Safe Drinking Water State Revolving Fund

Draft 2008 SRF Fundable Project Priority List

SRF Category **A**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	249	5	SAN JERARDO COOP WS	2701904	002	Well exceeds nitrate MCL.	Construct new well or consolidate with another system-Under court order	2003	$490,000

Total Projects for 'Category' = A (1 Project) **Total Costs for Category:** ***$490,000*** **Total Population served in Category:** ***249***

SRF Category **B**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	100	21	Skyway Subdivision c/o Butte Co HD	0405099	001	subdivision w individual wells- half w VOCs; 0.15 w coliform or fecal coli	construct community water system and consolidate with Cal Water Chico	2005	$350,000
45	P	185	21	SPRING VALLEY SCHOOL	0400065	001	There have been several bacteriological water quality failures for this water system. Raw water bacteriological samples from the existing wells indicates the presence of coliform bacteria.	Installation of 1.9 mile pipeline to connect to Del Oro Lime Saddle WD.	2015	$1,250,000
40	C	3653	11	TUD - Columbia Water System	5510013	005	THE SHAWS FLAT AREA HAS NUMEROUS FAILING SEPTIC TANK SYSTEMS THAT HAVE CAUSED MICROBIAL CONTAMINATION OF THE LOCAL WELLS.	CONSTRUCT A WATER MAIN EXTENSION FROM THE COLUMBIA SYSTEM INTO THE SHAWS FLAT COMMUNITY.	2000	$574,000
40	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	008	Project to correct water outage due to limited water delivery capacity and capability of the Midland Park Water Trust (MPWT) water system (community of approx. 110 service connections) within the City service area	Rehabilitate domestic well, replace existing emergency connection between the City of Compton and the MPWT, purchase of water rights and acquisition of land, destroy two inactive wells.	2002	$4,000,000
30	C	5458	10	ACWA Sutter Creek	0310003	007	Water served for domestic use is untreated surface water from an extremely impaired source that receives a waste water discharge.	Pipe treated water from Amador Water Agency's Mokelumne River source to serve these water consumers. JVID does not want to be a PWS, so AWA has applied for funds to bring acceptable water to the area and become the purveyor in Buena Vista.	2000	$2,000,000
25	C	25	21	FEATHER RIDGE ESTATES WATER CO	0400081	001	The water system has failed bacteriological water quality standards in the past due to fecal coliform bacteria contamination. Raw water samples from the existing wells indicate the presence of total coliform bacteria.	Drill two new wells and replace existing 20,000 gallon storage tank.	2015	
25	C	120	21	PONDEROSA SKY RANCH WATER SYSTEM	5200562	001	Water sources that have repeatedly failed the monthly total coliform standards.	Replace present (old) 30,000 gallon tank with 100,000 gallon tank. Install new well with pump for standby. Install hydroneumatic system on pressure tank. Install chlorination system.	1998	$4,200,000
20	C	100	21	Artois Community S.D.	1100203	001	This water system has had numerous bacteriological water quality failures. Raw water samples from the existing well have shown the presence of coliform bacteria.	Drill a new well.	2015	$30,000
20	C	210	2	WOODRIDGE MUTUAL WATER CO	4500235	002	Microbial contamination of a well resulting in repeated coliform MCL violation.	Drill a replacement well.	2015	$60,000
20	C	324	2	R.R. Lewis Small WC	4600017	001	Distribution system pressure and flow problems. Replace old concrete storage tanks.	Replace 2300 feet of 2" and 3" pipe with 4" pipe. Install new storage reservoirs. Purchase emergency chlorination equipment.	1998	$230,100
20	C	356	21	Princeton Water District	0600013	004	Water system has two wells that have persistent bacteriological problems. The water system has failed bacteriological water quality standards several times.	Drill two new wells for the community water system.	1999	$60,000

SRF Category **B**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	U	30	11	T.U.D. Mountian Boy Ditch Conveyance	0011123	001	INDIVIDUAL DITCH CUSTOMERS USING UNTREATED DITCH WATER SUPPLIED BY TUD.	CONSTRUCT A WATER SYSTEM WITH A WATER TREATMENT PLANT, STORAGE, AND PIPELINES; OR EXTEND WATER LINES FROM THE BIG HILL WATER SYSTEM TO SERVE THE DITCH CUSTOMERS.	1998	$475,000
20	U	180	11	T.U.D. Ditch Conveyance Conversion	0011120	001		INSTALL THREE WATERING STATIONS, TWO WATER MAIN EXTENSIONS, SIX WATER SERVICE EXTENSIONS, AND UP TO 20 WELLS.	1998	$1,200,000
15	C	28	11	Whispering Pines Apartments	2210921	001	The water system has repeated source water bacteriological problems.	RECONSTRUCT THE WELL, UPGRADE THE DISTRIBUTION SYSTEM, CONSTRUCT ADDITIONAL STORAGE, AND INSTALL A CHLORINATION SYSTEM.	1998	$185,000
15	P	60	2	INDIAN SPRINGS SCHOOL	4500162	001	Microbial contamination of the water source resulting in repeated coliform bacterial MCL violation.	Install a batch system for chlorination and disinfection with point of use filter to meet bacterial MCL. Replace failing distribution system.	2015	$10,000
15	P	294	12	LAKESIDE UNION SCHOOL	1600013	001	On-going bacteriological problems from the well.	Drill a new well	2007	$300,000
10	C	50	9	LINCOLN CHAN-HOME RANCH	3400137	001	Well has coliform contamination with no treatment.	Install new pipes, install new well, and a storage tank.	1998	$30,000
10	C	1500	16	AVERYDALE MWC	1910023	003	We had a persistant problem with bacteriological contamination of this wellthat has caused Multiple TCR violations.	replaceing well #1 and also installing disinfection system.	2008	$350,000
10	C	1500	16	AVERYDALE MWC	1910023	004	This well needs to be replaced because of persistant bacterioligical contamination. This well needs to be distroyed per State law.	To distroy abandoned well according to DWR well destruction standards.	2008	$50,000
10	C	5458	10	ACWA Sutter Creek	0310003	001	Uses raw, untreated water	PROVIDE POTABLE WATER TO BOSSE PREVATILI AREA. OTHER = DESIGN AND CONSTRUCTION	1998	$1,200,000
5	P	125	2	OAK RUN ELEMENTARY SCHOOL	4500190	001	Microbial contamination of the water supply resulting in repeated coliform bacteria MCL violation.	Drill a new well.	2000	$20,000
5	P	1400	21	DURHAM UNIFIED SCHOOL DISTRICT	0400066	001	Currently, a chlorinator disinfects the water supplied to the school. The system has failed bacteriological standards several times, and raw water samples indicate the presence of total coliform bacteria.	Replacement of well, pressure tank and delivery lines - some additional delivery lines.	2015	$278,000
0	C	41	21	FOREST KNOLLS MUTUAL WATER CO	0400078	001	According to inspection reports, the cracks in the existing storage tank are the cause of several bacteriological water quality failures of the water system.	Installation of two new 30,000 gallon steel tanks above ground or repair existing tank.	2015	$60,000

SRF Category **B**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	71	5	OAK MANOR WS	2700509	001	Current well is approximately 40 years old, and was originally an agricultural well with a single casing. Last year, we had high levels of coliform when our water was tested, during the rainy season. Our County Health Department seems to think that the	We need to hire professional consultants to find an appropriate location for a new well, and we will need to cap off the old one. We currently have two holding tanks, which will need to be inspected, and have the water lines re-routed to these tanks from	2008	$40,000
0	C	100	16	SLEEPY VALLEY WATER CO., INC.	1900903	002	Bacteriological MCL failures, wells subject to flooding which results in water outages and distribution and storage coliform problems.	Rebab wells, upgrade to minimize flooding, replace reservoir and distribution system.	2015	$684,000
0	C	100	10	FARMINGTON WATER COMPANY	3900505	001	MCL violation due to chronic bacteriological contamination of well and deteriorating distribution system with pressure problems.	Drill 2 new wells, install new distribution system, and storage.	2007	$600,000
0	C	500	12	TRACT 92 C S D	5400903	001	Feasibility StudyProblem Description:Tract 92 Community Service District provides water to the unincorporated area known as Union Addition. This unincorporated community consists of approximately 135 households and one church and is located Southeast	Feasibility StudyProject Description:The proposed feasibility study would include an analysis of options to provide a reliable source of potable water for the Tract 92 CSD. The study would include the preliminary engineering necessary to evaluate the	2008	$300,000
0	C	500	12	TRACT 92 C S D	5400903	002		Feasibility StudyProject Description:The proposed feasibility study would include an analysis of options to provide a reliable source of potable water for the Tract 92 CSD. The study would include the preliminary engineering necessary to evaluate the	2008	$300,000
0	P	200	18	Wilson Elementary School	4901136	001	Total coliform bacteria MCL repeatedly exceeded. Well does not meet construction and location standards.	Drill new well and install new pumps, storage tanks and delivery hardware.	2015	$40,000
0	S	15	2	FRCCSD-Paxton Lodge	3200163	001	Bacteriological monitoring has repeatedly shown the system's sole spring source to be contaminated with total coliform bacteria and on occasion E. coli bacteria since December 2000. The system has been under a Boil Water Notice since December 2000.	Obtain a new uncontaminated source.	2004	$93,000

Total Projects for 'Category' = B (30 Projects) **Total Costs for Category:** ***$18,969,100*** **Total Population served in Category:** ***93,683***

SRF Category C

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	85	1	Riverview Acres Water System	5304501	002	Multiple compliance agreements resulting from multiple violations of SWTR and Title 22 standards.	Consolidate and upgrade 6 systems per alternative #11 on PP 22 of attached study	2015	$2,000,000
40	C	120	14	PAUMA VALLEY MUTUAL WATER COMPANY	3700934	001	We have an unfiltered stream that should be filtered; open reservoirs and need to convert to tanks.	Replace open reservoirs with tanks.	1998	$2,600,000
40	C	3653	11	TUD - Columbia Water System	5510013	009	The Tuolumne Utilities District provides untreated water service through an open, mostly unlined ditch system, to a number of its customers not currently located near a potable water main. This ditch water is the only source of water supply to approximat	The proposed project consists of the design, environmental review and construction of approximately 1400 lineal feet of six inch potable water main connected to the Districts Columbia Water Treatment Plant and installation of service connections for each	2008	$137,280
25	C	38	2	Greenhaven Homeowner'S W.A	3200195	001	Water system has a well that is under the influence of surface water.	Drill deeper well and increase storage capacity.	2015	$15,000
25	C	41	1	Kimtu Meadows MWC	1200517	001	Surface water source with cartridge filters that do not fulfill SWTR.	Identify what kind of system would work and implement.	2000	$450,000
25	C	50	13	SIERRA EAST HOME. ASSOC.	2600622	001	System using well under direct influence of surface water	Drill new deep vertical well	1998	$25,000
25	C	60	13	Darwin Community Services District	1400098	002	Well under direct influence of surface water	Construct SWTP	1998	$300,000
25	C	75	12	NO KAWEAH MUTUAL WATER CO	5400506	005	The Three Rivers Community Services District seeks the funding needed to conduct a feasibility study for the physical and/or managerial consolidation of eight to ten community water systems within the district. These systems are currently operated by volu	There are eight to ten water systems. Some use groundwater wells and some use river wells. The river well users are not in compliance for the filtration needed to exclude giardia and cryptosporidium cysts. Some of the groundwater wells are borderline with	2007	$150,000
25	C	75	12	NO KAWEAH MUTUAL WATER CO	5400506	004	Both North Kaweah Mutual Water Company and Tract 403 Water Company currently operate separate community water systems and both are out of compliance for the treatment of water under the influence of surface water. They both lack the filtration required to	Within an existing easement construct three new river wells, a new approx 90 gpm Slow Sand Filtration Unit with a 125,000 gal Steel Reservoir, a 3 Stage Vertical Turbine Pump Plant with Hydropnuematic Tank, a system intertie where existing mainlines cros	2008	$590,000
25	C	75	12	NO KAWEAH MUTUAL WATER CO	5400506	006	The Three Rivers Community Services District seeks the funding needed to conduct a feasibility study for the physical and/or managerial consolidation of eight to ten community water systems within the district. These systems are currently operated by volu	There are eight to ten water systems. Some use groundwater wells and some use river wells. The river well users are not in compliance for the filtration needed to exclude giardia and cryptosporidium cysts. Some of the groundwater wells are borderline with	2007	$150,000
25	C	85	1	Riverview Acres Water System	5304501	001	Unfiltered surface water. System also has inadequate chlorine contact time and is under permanent boil water advisory.	Design and install a filter system. Install transmission main to increase chlorine contact time.	2015	$38,000
25	C	150	1	Lewiston Valley Water Co., Inc.	5301002	001	Turbidity standard failures. Filter system is not an approved filtration technology.	Construct new filter system. Replace transmission main. Add new storage tank.	1998	$450,000

SRF Category **C**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	150	5	MILLER S LODGE WS	2700992	001	Unfiltered GWUDI wells	Install filtration and disinfection treatment. 7/04 Updated project: drill new well, install tank, install monitoring	2003	$150,000
25	C	155	5	OLYMPIA MUTUAL WATER COMPANY	4400581	001	ground/spring water exposed to microorganisms and surface contaminants from animals	surface water treatment system, and redevelopment of springs to limit exposure to contamination and optimize supply	2002	$1,105,000
25	C	300	2	Tahoe Swiss Village Utility	3110042	001	No filters at intake from Lake Tahoe.	Build a filter plant.	2015	$390,000
25	C	300	2	Tahoe Swiss Village Utility	3110042	002		Build a 300,000 to 500,000 gallon storage tank.	2015	$300,000
25	C	1500	1	Redway C.S.D.	1210011	003	One of system's sources and associated reservoir are both under the influence of surface water	Abandon source and associated reservoir; Increase the capacity of the existing surface water treatment plant in order to replace lost source capacity; Increase storage to replace lost storage capacity	2007	$2,000,000
25	C	5458	10	ACWA Sutter Creek	0310003	008	In the 1850's a ditch system was constructed to convey raw water to various areas of Amador County. These ditch systems for years conveyed the only source of water for residents, ranches and businesses in the Sutter Creek - Ione and other community area	The Agency has completed a feasibility study and has determined that the best solution is to consolidate the Ione and Tanner Water Treatment Plants (WTP) at the Tanner Site. This consolidation would be through the construction of a new Regional WTP facil	2007	$1,500,000
25	P	275	16	CAMPS SCOTT & SCUDDER	1900011	001	UNTREATED WELLS UNDER SURFACE WATER INFLUENCE, INTERMITTENT POSITIVE TOTAL COLIFORM RESULTS.	CONNECT OLD SYSTEM TO ADJACENT MUNICIPAL WATER SYSTEM	2015	$210,000
25	P	9900	21	BUTTE-GLENN COMMUNITY COLLEGE DIST	0400070	001	E-coli	New Well	2015	$150,000
25	N	200	1	Ruth Lake Marina	5305003	001	Well sources under the direct influence of surface water with no filtration.	Relocate well sources above projected maximum flood level. Extend system to incorporate nearby individual residence systems.	2015	$20,000
20	C	215	1	Alderpoint County Water	1200501	001	Uses water from infiltration gallery in Eel River with inadequate treatment to meet SWTR.	Design and construct filtration and disinfection facilities to meet SWTR.	2000	$500,000
20	C	700	1	Trinity Village Water Co.	5304102	001	Need filtration of Trinity River source and need contact time to comply with CT requirements	Filters for Trinity River source and storage for contact time.	2004	$150,000
20	C	5812	14	Holtville, City of	1310005	002	198 homes north of 9th St. are on raw unfiltered canal water which does not meet coliform standards. See attachment description (attachment 1)	Annexation of service area north of 9th Street.	1999	$3,225,356
20	C	5812	14	Holtville, City of	1310005	003	108 residences are served by raw unfiltered canal water which does not meet coliform standards. See attachment description (attachment 1)	Annexation of service area south of city.	1998	$2,537,948
15	C	40	18	Valley Ford Water Association	4900568	001	E. coli and fecal coliform/high nitrate wells	New source or treat existing sources	2007	$450,000
15	C	350	13	Rovana Village	1400006	001	Refinance well drilled to replace unfiltered surface water supply	Refinance	2015	$571,325

SRF Category C

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	11814	21	Nevada ID - Loma Rica	2910006	019	Residences using untreated water for drinking and cooking	Construct pipelines to provide treated water service	2015	$230,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	020	Residences using untreated irrigation water for drinking and cooking	Construct pipeline to provide treated water serviced	2015	$920,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	018	Residences using untreated water for drinking and cooking	Construct pipeline and pressure reducing station to provide treated water service	2015	$430,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	017		Construct pipelines and pressure reducing station to provide treated water service	2015	$1,100,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	016	Residences using untreated irrigation water for drinking and cooking	Construct pipelines to provide water service	2015	$431,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	015	Residences using untreated water for drinking and cooking	Construct pipeline and pressure reducing station to provide treated water service	2015	$1,400,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	014	Residences using untreated irrigation water for drinking and cooking	Construct pipelines to provide treated water service	2015	$215,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	013	Residences using untreated water for drinking and cooking	Construct pipelines to provide treated water service	2015	$740,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	012	Residences using untreated irrigation water for drinking and cooking	Construct pipeline and hydropneumatic station to provide treated water service	2015	$1,900,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	011	Residences using untreated water for drinking and cooking	Construct pipelines to provide treated water service	2015	$950,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	021	Residences using untreated irrigation water for drinking and cooking	Construct pipelines to provide treated water service	2015	$170,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	010	Residences using untreated water for drinking and cooking	Construct hydropneumatic pump station and pipeline to provide treated water	2015	$810,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	012		Construct pipelines to provide treated water service	2015	$396,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	006		Construct pipeline and pressure-reducing station to provide treated water service	2015	$2,400,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	005		Construct pipeline and pressure reducing station to provide treated water service	2015	$700,000
15	N	260	3	Camp Mendocino	2300839	001	Unfiltered ground water under the direct influence of surface water	Install approved treatment of approved alternative.	2015	$100,000
10	C	129	5	COASTLANDS MWS (POST CREEK)	2701279	001	Surface supply with no treatment provided.	Install SWT system.	1998	$100,000
10	C	130	5	ARROYO CENTER WC	2701658	003	Need filtration to comply with the Surface Water Treatment Rule. [Groundwater under the influence of surface water - System obtains water from 2 shallow wells in the Arroyo Seco River bed.]	Add filtration to the system/Install filtration unit	2015	$70,000

SRF Category C

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	N	26	10	FRANK RAINES PARK OHV	5000243	001	INFILTRATION GALLERY SUBJECT TO COLIFORM CONTAMINATION	Install surface water treatment on existing infiltration pits or replace pits with approved wells = design and construction.	2008	$500,000
5	C	70	5	Harmony Hills Water System	3500503	001	Unfiltered surface water.	Drill new wells.	1998	$200,000
5	C	75	12	NO KAWEAH MUTUAL WATER CO	5400506	003	Non compliance of treatment for water under the influence of surface water specifically lacking proper filtration for giardia and cryptospiridium cyst removal. Also, marginal chlorine contact time.	New approx 70 gpm Slow Sand Filtration unit with 100,000 gal steel reservoir including land acquisition, approx 500 feet pipe and conduit extension, site prep, pad, and security fencing, control building, SSF to reservoir pump, electrical service, enginee	2008	$470,000
5	C	223	14	PINE HILLS MUTUTAL WATER COMPANY	3700905	007	wells may be under the direct influence of surface water	install a filtration system	2007	$500,000
5	C	729	1	Trinity Center M.W.C. .	5310003	001	The treatment currently provided by the Company is not an approved filtration technology. Monthly treatment records show no measurable reduction in the turbidity of the water after it passes through the filter.	Install treatment that meets the requirements of the all surface water treatment regulations.	2007	$2,160,000
5	C	6320	2	Nevada ID - North Auburn	3110026	004	Residences using untreated water for drinking and cooking	Construct pipelines to provide treated water service	2015	$450,000
5	C	6320	2	Nevada ID - North Auburn	3110026	005	Residences using untreated irrigation water	Provide treated water	2015	$450,000
5	C	6320	2	Nevada ID - North Auburn	3110026	006	Residences using untreated water for drinking and cooking	Construct pipeline and pressure reducing station to provide treated water service	2015	$4,400,000
5	C	6320	2	Nevada ID - North Auburn	3110026	007		Construct pipelines to provide treated water service	2015	$220,000
5	C	6320	2	Nevada ID - North Auburn	3110026	009		Construct pipelines to provide treated water service	2015	$1,100,000
5	C	6320	2	Nevada ID - North Auburn	3110026	008		Construct pipeline and pressure reducing station to provide treated water service	2015	$1,500,000
5	C	6320	2	Nevada ID - North Auburn	3110026	010		Construct pipelines to provide treated water service	2015	$152,000
5	C	8508	10	ACWA Buckhorn Plant	0310012	005	The Amador Canal conveyance system is a 23 mile open ditch system from Lake Tabeaud to the Tanner Water Treatment Plant (WTP) in Sutter Creek. The source is the Mokelumne River via Lake Tabeaud. The system was originally built in the 1850's to convey ra	The project would provide treated water from the Agency's Central Amador Water Project (CAWP) to a 10 mile cluster residential area along the existing Amador Canal. The CAWP treated water system is located a distance of 1 to 6 miles from this canal area.	2008	$3,000,000
5	C	112937	9	El Dorado ID - Main	0910001	007	Unfiltered surface water entering uncovered earthen distribution reservoir.	Cover reservoir with a rigid cover and create a bypass.	1998	$600,000
5	C	112937	9	El Dorado ID - Main	0910001	009		(Thomas Hill) Evaluation of the need to retain reservoir; design and construction of reservoir protection if necessary.	1998	$1,700,000

SRF Category C

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	112937	9	El Dorado ID - Main	0910001	010	Unfiltered surface water entering uncovered earthen distribution reservoir.	(Sac Hill) Evaluation of need to retain reservoir or replace with pump station; design and construct reservoir if necessary.	1998	$500,000
5	N	2	13	Big Bend Resort Corp	3600376	001	Unfiltered surface water	Construct new SWTP	2015	$300,000
0	C	38	6	ROSARIO PARK WATER SYSTEM	4200579	001	Spring source subject to SWTR compliance and is not filtered.	Install a filtration and disinfection treatment system which complies with the SWTR.	1998	$25,000
0	C	50	2	Tahoe Park Water Co - Skyland/Nielsen	3110049	001	Unfiltered intake at Lake Tahoe. DHS has issued compliance order.	Install filters. Involves design and construction.	2015	$200,000
0	C	50	2	Lake Forest Utility Company, Inc	3110032	001		Install filters. Involves design and construction.	2006	$38,556
0	C	50	2	Lake Forest Utility Company, Inc	3110032	003		Install filters. Involves design and construction	2008	$1,000,000
0	C	123	5	CLEAR RIDGE WA	2701898	002	Well is under the influence of surface water	Install surface water filtration system	2003	$655,025
0	C	135	17	Idylwild Water System	4300520	001	Unfiltered surface water supply	install filtration system	2000	$150,000
0	C	135	4	SID-Pleasant Hills Ranch	4810025	001	Unfiltered Surface water source.	Install POEs treatment..	2000	$463,000
0	C	150	5	GARRAPATA WC INC	2701257	002	Well deemed to be GWUDI	Provide treatment and disinfection to comply with SWTR requirements	2003	$120,000
0	C	337	5	LAS CUMBRES MUTUAL WATER CO	4400631	001	System uses springs for over 50% of water supply. New EPA standards will require treatment of springwater. (Reranked from D to C 4/3/02)	Design/construct appropriate SW treatment system	2002	$612,370
0	C	431	17	SKYLONDA MUTUAL	4100533	002	Well is contaminated with fecal coliform bacteria due to failed well casing.	Drill a new well.	2015	$17,000
0	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	010	Three connections are located upstream of the surface WTP and are receiving only chlorinated surface water	Construct a 3 to 4 inch water line back from the TP up the canyon to supply the 3 connections that are in violation of SWTR.	2005	$100,000
0	C	750	2	Tahoe Park Water Company	3110018	001	Unfiltered intake at Lake Tahoe. DHS has issued compliance order.	Install filters. Involves design and construction.	2015	$1,000,000
0	C	1134	5	Forest Lakes MWC	4410016	002	Well 5 deemed to be GWUDI	Install treatment or construct replacement well	2003	$200,000
0	C	1200	6	SLO CWWD NO. 23 - SANTA MARGARITA	4010024	001	Wells subject to SWTR compliance and are not filtered.nadequate source of supply. Two wells under influence of surface water. Two other wells inadequate to meet system demand.	connect to Central Coast Water Authority (CCWA) 2/3/06.	1998	$1,000,000
0	C	2500	2	Agate Bay Water Company	3110012	001	No filters at lake intake from Lake Tahoe.	Install filter system or drill well to circumvent surface water requirement.	2015	$450,000
0	C	5383	6	SOLVANG WATER DEPARTMENT	4210013	001	Sources are subject to SWTR compliance and are not filtered.	Install 1.85 MGD fitlration and disinfection TP to comply with the SWTR.	1999	$1,980,300
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	003	Gallery well subject to SWTR compliance and is not filtered.	Provide fitlration and disinfection treatment which complies with the SWTR or provide additional piping to utilize the well as an agricultural only source.	1998	$2,750,000

SRF Category **C**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	84000	6	GOLETA WATER DISRICT	4210004	007	Water supply subject to SWTR compliance and is not filtered.	Construct pipeline, booster station, reservoir and surge tank to bring treated water to the Goleta West line.	1998	$4,000,000
0	P	45	3	Whale Gulch Elementary School	2300847	001	System using unfiltered surface water. School has been placed on a boil water notice.	Develop a spring that will qualify as a groundwater source.	2002	$150,000
0	P	387	11	NORTH FORK UNION SCHOOL	2000612	001	The North Fork School Water System is fed by two wells. Well #1 is 1200 ' deep with excellent water quality and a good test history. It alone would more than serve the potable needs of the school. It will not however serve both the potable and irrigation	As stated, the CDHS representative suggested that a potable water only main line be run to the school from the deep well only. This project would involve a new pressure/distribution system being built adjacent to the deep well. It would also involve tren	2008	$50,000
0	N	25	2	BIG BEND WATER USERS ASSOCIATION	3100034	001	Surface water sources (springs) are frequently subject to contamination from animal-borne and other transmitted microbial/bacteriological pathogens (fecal coliform, giardia, cryptosporidia, etc.) to the engdangerment of the user public and in violation of	Redevelop and restore the structural integrity of surface water sources (springs) to assure water quality and safety- including installation of treatment sytem(s) and procedures. In lieu of this, locate and develop a substitute groundwater source, install	2002	$200,000
0	N	150	5	St. Francis Retreat Center	3500537	001	The primary well, and only well to remain in production through the year, was drilled in the 1960s and installed without an annular seal. Tests have revealed that the static water level in the well equates to the groundwater level of the adjacent pond.	Fall Creek Engineering of Santa Cruz, CA has designed a treatment system that would deal with our demand and the existing conditions. Elements of the plan include-- Ozone generator, injector and contact tank-- Strainrite filtration system (3 unit syst	2008	$90,000
0	N	200	13	Camp Arbolado	3600530	001	Using unfiltered surface water to meet demand	Construct SWTP and replace mainline in distribution system	2015	$268,525

Total Projects for 'Category' = C (85 Projects) **Total Costs for Category:** ***$66,948,685*** **Total Population served in Category:** ***716,608***

SRF Category D

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
40	C	30	1	Seawood Estates Mutual Water	1200588	001	Systems serving Seawood Estates and Caltrans rest area use surface water and do not meet SWTR standards.	Consolidate systems and upgrade treatment to meet SWTR.	2015	$196,000
25	C	30	19	The Anne Sippi Clinic-Riverside Ranch	1503509	001	Obsolete surface water treatment plant that does not comply with the current state and federal requirements	Construct SWTP	2005	$500,000
25	C	70	3	Westport County Water District	2300730	001	Using unapproved in-line filtration system on surface source. Disinfection system does not meet swtr inactivation requirements. Infiltration gallery effectiveness decreased by lowered stream bed. Raw water pumps failing.	Reconstruct infiltration gallery. Add new contact vessel to plant to change it to direct filtration treatment system. Install new disinfection system to ensure compliance with swtr.	2015	$250,000
25	C	70	14	VALLEY MOBILE PARK	1300572	001	Surface water treatment plant does not meet SWTR Regulations of treatment technique.	Construct a new surface water treatment plant.	2000	$100,000
25	C	75	1	Briceland C.S.D.	1200587	001	Fails Turbidty standards at times during the winter months.	Design and Construct source protection. Optimize slow sand filter media construct settling basin an filter and storage capacity	2001	$200,000
25	C	82	1	Tennant C.S.D.	4700531	002	unapproved filtration technology	install approved technology	2008	$100,000
25	C	178	2	SWEET BRIAR CAMP	4500237	002	Sytem has problems meeting potable water capacity.	Study/planning/design to 1) Improve slow sand filter capacity, for potable water, or 2) Consolidate with Shasta County Service District No. 3 (Castella)	2004	$100,000
25	C	196	2	SHASTA CO CSA #23 CRAGVIEW	4500028	002	Existing treatment plant not meeting currently approved filtration technology	Conversion of a raw water pipeline to to a floculator and piping modification at an existing treated water storage tank. Replace existing pressure filter with three new vertical pressure filters.	2007	$785,600
25	C	250	3	Clearwater Mutual Water Company	1700546	003	The 35,000 gallon redwood clearwell for the Clearwater MWC is required to be replaced in accordance to Water Permit No. 02-03-98P17005. The Clearwell is in very poor structural condition, leaking and may collapse anytime. The clearwell tank is used for	Clearwater Mutual Water Company is a small community water system that has 90 active service connections serving a maximum population of 100 persons. Most residences are retired living on a fixed income. The community is considered disadvantaged due to	2008	$110,000
25	C	250	21	WASHINGTON WATER DISTRICT	2900523	002	Noncompliance with surface water treatment rule due to inadequate chlorine contact time.	Construct detention storage or alternative disinfection system.	1998	$190,000
25	C	300	21	Elk Creek Community S.D.	1100616	001	Existing surface water treatment plant did not meet CT requirements. Treatment plant had to be run in batch mode during high turbidity events.	Installation of new surface water treatment plant and miscellaneous appurtenances.	2015	$383,525
25	C	310	21	Donner Summit Public Utility District	2910016	001	System is currently operating with a single filtration and disinfection system with no back-up redundancy.	Install a second filtration and disinfection system.	2015	$50,000
25	C	497	9	El Dorado ID - Outingdale	0910018	001	SWTR violation	consolidate with EID Main system; 5 miles of 10 inch water main	2003	$5,500,000

SRF Category D

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	2403	1	Garberville Sanitary District	1210008	006	The existing filtration capacity is insufficient to meet the Surface Water Treatment Regulation; no backup power to infiltration gallery or treatment plant	Install an additional filtration cell or clarifier unit; Purchase/ install generators for the infiltration gallery and WTP; purchase/ install backup intake pump w controls	2001	$500,000
25	C	7290	1	City of Yreka	4710011	002	Currently using unapproved in-line filtration technology.	Perform demonstration study to determine if in-line filtration is meeting requirements of SWTR and LT1ESWTR and if not, then what improvements are needed.	2005	$50,000
25	P	60	1	Mattole Triple Junction High School	1206008	001	Turbidity failures 8 months out of the year. This system uses a surface water source. The Mattole river reaches turbidities of 800+ NTU. Lack of analyzers on site makes it difficult to design or plan a solution	Surface water treatment rule compliance.	2003	$225,000
25	N	25	1	Bud Fine MWC	5301010	001	Turbidity standard failures. Filter system is not an approved filtration technology. Bolted steel tank is deteriorated and has leaks. Some water mains are deteriorated.	Upgrade filter system, replace storage tank, and replace deteriorated mains.	1998	$150,000
25	N	250	1	Ruth Lake Recreation Area	5305004	001	Well source is under the direct influence of surface water and has an unapproved filtration technology (cartridge filter). Individual private residences want to be served by the system.	Relocate well source above maximum flood line. Consolidate individual systems.	2015	$25,000
20	C	70	1	Callahan Water District	4700503	001	Unable to meet disinfection performance requirements (CT) due to inadequate contact time. In-line filtration plant occasionally fails turbidity performance standards.	Add storage or replumb to increase contact time for disinfection. Review condition of components of filter plant and repair or replace defective components to ensure proper filtration.	1998	$250,000
20	C	75	2	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	006	Existing drinking water treatment and distribution pumping facility is not a state of California approved technology for surface water treatment.	Replace as much of the existing system as will be required to comply.	2007	$200,000
20	C	75	12	NO KAWEAH MUTUAL WATER CO	5400506	002	Non-compliance with the LT2	Upgrade treatment plant and add storage tank for improved CT	2007	$500,000
20	C	220	18	Sonoma County CSA 41-Salmon Creek	4900543	003	The Salmon Creek Water System currently utilizes two separate sources. A shallow well adjacent to 3 residences provides brackish water with a specific conductivity exceeding 2,000 omhs/cm. This well may not have an adequate well seal. The second source	The project consists of the installation of 3 miles of dual pipeline. A 2" raw water line to deliver Salmon Creek's water sources to the treatment plant at Sereno del Mar and an 8" line to deliver finish water from the 300,000 gallon gravity tanks at Ser	2008	$500,000
20	C	400	14	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938	001	Three open reservoirs are sources of possible contamination.	Install flating polypropyline covers.	1998	$1,000,000
20	C	450	1	Lewiston Park MWC	5301003	001	System's filtration process is not an approved filtration technology. System is under compliance agreement with DHS to comply with Surface Water Treatment Regulations.	Construct new filtration facilities and/or develop new groundwater sources. Add emergency standby generator capability.	2015	$100,000
20	N	80	1	Azalea Glen	1200704	001	Surface water filtration system that cannot meet SWTR turbidity standards.	Install a well and construct a closed system.	2015	$28,250

SRF Category **D**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	75	2	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	007	Hat Creek Highlands Mutual Water Companys (HCHMWC) existing drinking water in-line filter treatment and distribution pumping facility, built in 1960, is not a State of California approved technology for surface water treatment. As such, the current syst	The project will provide funding for services to prepare required studies, reports, designs and skills to perform construction to replace the existing facility with a system that complies with State and Federal standards. Funds will also be used to obtai	2007	$500,000
15	C	180	2	SHASTA CO CSA # 3 CASTELLA	4500015	001	Filter plant is not an approved filtration technology, and does not meet state requirements for chlorine contact time.	Convert raw water pipeline to a flocculator and construct an approximate 350-foot long 24-inch PVC chlorine contact time pipeline.	2007	$900,000
15	C	400	20	CHIRIACO SUMMIT WATER DIST.	3301115	001	The present system is antiquated and needs to be updated to meet the state SWTR and federal regulations. We will send additional information and the drawings and information on the new system as soon as we have the finished plan.	The new project will include a 300,000 gallon storage reservoir, plus a new pipe system from the canal to the reservoir which will split water into potable and non potable for use at the Chiriaco site. All new plastic piping will be included as well	1998	$385,000
15	C	500	3	Riviera West Mutual Water Co.	1700568	001	Surface water treatment facility is In-Line system that cannot achieve two log removal of Giardia.	Installation of another treatment process to enable facility to achieve two log Giardia removal.	2004	$500,000
15	C	1000	1	City of Trinidad	1210018	002	Exceeding filter loading rates; Not meeting turbidity standards; Not meeting CT requirements; Not meeting disinfectant residual requirements; Exceeding DBP MCL's	Install more filter capcity; Install GAC filter; Install more storage capacity; Install a chlorine booster pump station; Replumb system	2007	$2,712,200
15	C	108000	16	AZUSA LIGHT AND WATER	1910007	003	Refinance. Filtration Plant did not meet requirements of SWTR (alternative technology - ABW Filters)	Constructed new pump station and 4MG reservoir to meet contact time for CT calculations.	2015	$4,000,000
15	C	108000	16	AZUSA LIGHT AND WATER	1910007	002	Refinance. Filtration Plant did not meet requirements of SWTR (alternative technology ABW Filters).	Upgraded Filter #1 and Filter #2: increased media depth, provided provision filter to waste and continuous turbidity monitoring, installed control panel.	2015	$450,000
10	C	140	21	CATHEDRAL OAKS	5800803	001	Antiquated surface water treatment plant.	Upgrade/replace	2015	$250,000
10	C	250	2	ALPINE MEADOWS PROPERTY OWNERS ASSO	3100041	001	Insufficient contact time to provide adequate disinfection to SWTR.	Install 6" water line from plant to storage tank; install water meters and replace distribution system. Involves design and construction.	2002	$370,000
10	C	775	1	Gasquet C.S.D.	0800555	009	Surface water treatment deficiency	Build additional filtration, storage, and distribution line capacity.	1999	$486,500
5	C	36	3	Big River Vista Mutual Water Company	2300596	001	Surface source not meeting SWTR.	Drilled well in 1996.	2015	$28,000
5	C	2000	2	Christian Valley Park CSD	3110034	001	Filter rate exceeds SWTR criteria.	Install one new filter. Involves design and construction.	2015	$200,000
5	C	18250	14	Rainbow Municipal WD	3710016	001	Morro reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005.	Add light weight aluminum roof or hypalon cover. NOTE: only 2,000,000 for HYPALON cover.	1998	$13,000,000

SRF Category **D**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	18250	14	Rainbow Municipal WD	3710016	002	North reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005. Re-ranked to D because of LT2. Brian Bernados	Replace with a 5 MG steel tank, add aluminum roof, add hypalon cover, or convert to raw water impoundment and add microfiltration. NOTE: steel tank/ $3M, micro plant/$4.5M, HYPALON/$0.3M, roof/$1.5M	1998	$4,500,000
5	C	18250	14	Rainbow Municipal WD	3710016	003	North Side Reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005. Re-ranked to D because of LT2. Brian Bernados	Add aluminum roof, add hypalon cover, or convert to raw water impoundment and add microfiltration. NOTE: micro plant/$8.9M, HYPALON/$0.5M, roof/$3.2M	1998	$8,900,000
5	C	18250	14	Rainbow Municipal WD	3710016	004	Beck Reservoir is an open potable water reservoir that does not comply w/ DHS open reservoir policy #95-005. Re-ranked to D because of LT2. Brian Bernados	Add hypalon cover, or convert to raw water impoundment and add 10.5 MGD microfiltration. NOTE: micro plant/$13.3M, HYPALON/$2.6M	1998	$13,300,000
5	C	32000	14	Fallbrook PUD	3710008	002	The Fallbrook Public Utility District (FPUD) currently operates the Red Mountain Reservoir (RMR), a large, uncovered, surface water reservoir that receives treated water from Metropolitan Water District. Under the current federal Long Term 2 Enhanced Sur	This construction project will employ UV disinfection and chlorination processes, with a conversion to chloramines so that the effluent is compatible with other water supplies and for compliance with DBP regulations. Disinfection using UV/chlorination wil	2008	$5,500,000
5	C	32000	14	Fallbrook PUD	3710008	001	open distribution reservoir not in compliance with LT2ESWTR	construct a pump station and treatment plant	2007	$45,000,000
5	C	4071873	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	011	Upper Stone Canyon Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surace Water Treatment Rule. Reservoir capacity is 137 MG; surface area is 14 acres.	Install floating cover to protect finished water in reservoir.	2007	$18,000,000
5	C	4071873	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	010	Elysian Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. Reservoir capacity is 55 MG; surface area is 6 acres.	Install floating cover to protect finished water in reservoir.	2007	$10,000,000
5	C	4071873	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	009	Los Angeles Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. Reservoir capacity is 3.3 BG; surface area is 176 acres.	Construct earthen dam to divide reservoir and install a floating cover on each half of the reservoir. Construction will include new outlet structures and piping.	2007	$325,000,000
5	C	4071873	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	008	Santa Ynez Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. The Reservoir capacity is 177 MG; surface area is 9.2 acres.	Install floating cover to protect finished water in reservoir.	2007	$13,000,000
5	C	4071873	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067	007	Silverlake and Ivanhoe Reservoirs are uncovered finished water reservoirs that do not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. Silverlake Reservoir capaity is 795 MG; Ivanhoe Reservoir capacity is 58 MG.	Construct replacement storage tanks and new trunk line to replace reservoirs and remove reservoirs from service.	2007	$220,000,000

SRF Category D

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	16	2	FRCCSD-Old Mill Mutual	3200078	001	Treatment of surface water using unapproved technology.	Replace current surface water source with a well source.	2004	$97,000
0	C	18	3	Crescent Bay Improvement Company	1700519	001	Inadequate Surface water treatment plant	Improvements to existing treatment facility	2015	$50,000
0	C	25	3	Pleasure Cove Resort	2810011	001	inadequate surface water treatment plant, in-line fitration, inadequate disinfection	new surface water treatment plant	2015	$150,000
0	C	50	5	BRACKEN BRAE COUNTRY CLUB	4400604	001	Installed bag filter ("approved" alternative technology) for treatment of surface water. Water from treatment plant routinely exceeds turbidity standards in winter.	Construct treatment plant. Technology to be determined by outcome of separate study.	2000	$55,000
0	C	60	18	Sonoma County CSA 41-Freestone	4900549	002	To provide adequate source capacity the system must use ground and surface water sources. The exisiting surface water treatment require upgrade to comply with the SWTR. Iron and maganese treatment for surface and ground water sources.	Drill a new well and use it as primary, sole source. Use spring as standby source.	1998	$227,000
0	C	80	1	Rush Creek Mutual Water System	5301017	001	1. Water treatment plant does not meet the LT1 requirement . 2. turbidity meters and turbidity recording equipment do not meet 15 min. reporting requirement	1. Upgrade water treatment plant to meet the LT1 requirement (through addition of approved filter technology). May and probably will require addition to existing treatment plant building to house upgrades.	2007	$70,000
0	C	104	17	Mecchi Water Company	4300912	003	Need to destroy well. Well is contaminated with nitrate and e. coli.	Drill new well to another area.	2007	$60,000
0	C	108	17	LOMA MAR MUTUAL	4100512	002	Sediment tank failing, must rebuild to comply with SWTR.	Rebuild sedimentation tank	2015	$45,000
0	C	109	21	Mineral County Water District	5200503	004	We are looking at replacing our filtration system with one that will cost less to operate, produce cleaner water and will meet all of LTESWTR's rules. The system we have now cost us in June of 2007 ˜ $5,346.00 and the filtration plant produced 629,943 C	We are hopeing that a new surface treatment system would give us better water at a mor reasenable cost. A membrain filteration. I realy do not know, none of the venders that I contacted got back to me.	2008	$225,000
0	C	125	18	ESTERO MUTUAL	2100519	004	The surface water treatment plant does not have any data logging or recording equipment for raw or finished water. In order to be in compliance with surface water treatment rules, Estero Mutual needs to install in line monitoring equipment that can gene	The project would include the installation and calibration of in line data logging and recording equipment. Installation would be in Estero Mutuals treatment plant, and consist of wiring, plumbing, and mounting of equipment into exsisting system. Monito	2008	$11,896
0	C	150	5	SUMMIT MUTUAL WATER COMPANY	4400559	001	Unapproved filter online, unable to meet turbidity standards in winter, also water outages during storms	Improve or replace filter plant, transmission line, control systems etc.	2015	$25,000

SRF Category **D**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	150	12	Camp Nelson Water Company	5410022	001	The unincorporated mountain community of Camp Nelson is located in the Sequoia National Forest, approximately 30 miles east of Porterville in Tulare County. The Camp Nelson Water Company (Water Company) provides domestic water to a portion of this commun	The Camp Nelson Water Company (Water Company) needs to upgrade its water treatment facilities to continuously achieve treatment standards. The California Department of Health Services (DHS) has indicated that the provision of flocculation and clarificati	2008	$500,000
0	C	150	11	MD#1 HIDDEN LAKE ESTATES	2000544	002	System is in violation for the disinfection byproduct Haloacetic acids the MCL is 60 ppb and the current level of detection is currently at 231 ppb. System cannot meet required ct without prechlorinating which increases DBPR. Treatment plant is also not	Replace water treatment plant with a new treatment plant which is able to keep up with demand and meet turbidity requirements Replace current storage tank with tank which is able to meet required ct ratio. Install seperate fill line to tank in order to m	2008	$2,200,000
0	C	150	11	MD#1 HIDDEN LAKE ESTATES	2000544	001	THE EXISTING WATER TREATMENT PLANT DOES NOT HAVE SUFFICIENT CAPACITY TO MEET THE SUMMER DEMANDS OF THE SYSTEM. AS A RESULT, THE STORAGE TANK HAS EMPTIED ON NUMEROUS OCCASIONS.	INSTALL A NEW WATER TREATMENT PLANT (100 GPM CAPACITY), LARGER INTAKE PUMPS, AND ASSOCIATED PIPING AND ELECTRICAL FACILITIES. ALSO INSTALL AN ADDITIONAL 100,000 GALLON STORAGE TANK.	1998	$2,000,000
0	C	150	14	RANCHO ESTATES MUTUAL WATER CO.	3700936	002	open uncovered potable distribution reservoirs	cover or filter	2006	$500,000
0	C	220	18	Sonoma County CSA 41-Salmon Creek	4900543	001	Community has inadequate gravity storage capacity resulting in water outages during power or pump failures; NOW swtr violation	Construct elevated storage tank; NOW construct water main to connect to adj public water system	2005	$800,000
0	C	300	2	Northstar C.S.D.	3110028	002	In-line filtration requires conventional treatment process.	Construct coagulation and sedimentation complete with alarms.	2015	$900,000
0	C	313	21	Del Oro Water Co.-Stirling Bluffs	0410018	001	Existing surface water treatment plant does not conform to the surface water treatment rule-bed loading too high	Expand the existing plant by the addition of filters, pumps and piping.	2006	$500,000
0	C	385	5	FOREST SPRINGS	4400608	001	The water source for this water system is surface water. This system is currently out of compliance with the surface water treatment rule and the enhanced surface water treatment rule.The water system will install a filtration system that is enhanced su	The water system will install a enhanced surface water treatment rule compliant filtration system. The system will have the capabilities to monitor and record all water parameters for raw influent water and treated effluent water. The system will also be	2007	$125,000
0	C	391	2	Downieville Public U.D.	4610002	001	The current mixed media direct filtration system is not an approved surface water treatment system. During periods of high runoff in the source creek, the increased level of turbidity overwhelms the filters and causes the treated water turbidity to excee	The proposed project will provide a modern, approved technology, water treatment system capable of coping with the full range of raw water turbidity typical of the source creek. The upgraded system will also be designed to provide adequate disinfectant c	2008	$1,000,000
0	C	400	1	Myers Flat M.W.S. Inc.	1200538	005	DDW has requested that we replace the roof immediately, if not sooner. Our metal roof has been repaired so many times that it will not hold screws. We have been advised that we need to build a new roof with vents to prevent the wood from rotting.	This project includes: new trusses, new roof and a seismic shut-off valve	2008	$178,400

SRF Category **D**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	65000	6	CASITAS MUNICIPAL WATER DIST	5610024	002	Inadequate backwash facilities.	Construct a 170,000 gallon backwash storage tank and install a VFD pump (1000 gpm) at Avenue No. 1 pump plant.	2015	$300,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	006	UNDER COMPLIANCE ORDER TO REPLACE THE AUTOMATIC BACKWASH FILTER AND UPGRADE THE PLANT TO MEET SWTR	PILOT STUDY OF FILTRATION METHOD WAS RUN AND MODIFICATIONS ARE NEARLY COMPLETED BASED ON FINDINGS OF THE STUDY	2015	$3,850,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	005	UNDER COMPLIANCE ORDER (VIOLATION OF SWTR) TO CONSTRUCT RESERVOIR 9B FOR CT REQUIREMENT.	CONSTRUCTED A 3.5 MG RESERVOIR	2015	$2,202,000
0	P	70	18	NICASIO SCHOOL	2100582	001	GWUDI source with unapproved SW treatment.	approved treatment	2007	$100,000
0	N	25	17	CAMP LOMA MAR	4100529	001	Filtration system violates SWTR (no redundant filter) and doesn't meet turbidity performance standards.	Add 4500 gallon storage tank, expand sand filter	2015	$50,000
0	N	25	2	FRCCSD-Tobin	3200105	001	Surface water treatment plant is not an approved technology.	Eliminate the use of surface water by drilling a groundwater well.	2003	$55,000
0	N	850	14	WILLIAM HEISE COUNTY PARK	3700072	001	Consistent history of bacterial influence may be due to an 11 annular seal and immediate proximity to an annual creek. This problem was noted and reported in the lastest inspection report dated 6/22/06.	Existing source (well) is in immediate proximity to annual creek and baceterial influence is suspected due to location and lack of adequate annular seal. A new well needs to be drilled at least 100 from the annual creek or according to well standards.	2008	$400,000

Total Projects for 'Category' = D (76 Projects) **Total Costs for Category:** ***$715,651,371*** **Total Population served in Category:** ***21,123,395***

SRF Category E

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	1792	12	Tipton Community Services Dist	5410014	003	Single well system had well failure during July 2001. Emergency temproary interconnection to Tipton CSD.	Permanent interconnection to Tipton CSD	2002	$287,800
45	C	68000	13	EAST VALLEY WD	3610064	002	Adjacent mutual water co. Eastwood Farms has periodic failures and outages	Consolidate Eastwood Farms MWC into EVWD	2015	$985,000
25	C	38	2	Greenhaven Homeowner'S W.A.	3200195	002	Insufficient source capacity resulting water shortages and low pressure.	Drill second well.	2006	$40,000
25	C	66	5	OAKRIDGE SUBDIVISION MWC	2701422	001	Insufficient source capacity - service connection moratorium in place.	Consolidation with Aromas Water District.	1999	$700,000
25	C	120	21	Colusa Co. Service Area #1-Century Ranch	0600012	002	System source supply is declining and the system will have water shortages/outages. System surging is occurring due to malfunctioning air vacuum release valves.	Design a surface water treatment plant and replace all air vacuum release valves	2001	$1,200,000
25	C	196	2	SHASTA CO CSA #23 CRAGVIEW	4500028	001	Insufficient water source capacity resulting in water outages when intake failed last winter. Intake was repaired with a bandaid.	Armor slopes and relocate facilities.	2001	$160,000
25	C	250	2	LAKESIDE WOODS MUTUAL WATER CO	4500013	001	Insufficient source capacity resulting in water outages, failing mains, and no backup power.	New storage tank, water main repairs and replacement, stand-by generator for power outages and water meters to encourage residents to conserve water to preclude water outages.	1998	$93,000
25	C	250	9	KYBURZ MUTUAL WATER SYSTEM	0900300	001	2004 fire destroyed wastershed and reservoir. Inadequate source of supply.	Increase size of river pump line to treatment plant	1998	$125,000
25	C	250	20	RAMONA WATER COMPANY	3301529	002	Correct current chronic total coliform bacteria contamination which has resulted in repeated enforcement actions. Wells, storage tanks, & distribution system piping are in very poor condition resulting in low pressure & outages.	Hire consultant to do a master plan for the system and provide a priority list of items for consideration for SRF Construction Funding.	2004	$100,000
25	C	250	20	RAMONA WATER COMPANY	3301529	001	Water shortage, water outages.	Drill new wells, meters, and storage facilities.	2001	$1,200,000
25	C	378	11	TUD-Curtis Creek Ranches	5500058	001	Inadequate well source capacity resulting in water outages.	Connect the Curtis Creek system to the Monte Grande system and expand the capacity of the Monte Grande SWTP.	2004	$800,000
25	C	625	13	CSA 70 W-4	3600196	006	The District is currently operating under a building moratorium due to water quality and quantity problems	Construct 5.3 miles of transmission line to High Desert Water District	2002	$1,182,000
25	C	625	13	CSA 70 W-4	3600196	005	Groundwater not able to meet the system demand resulting in outages	Drill and develop additional groundwater wells	2000	$150,000
25	C	750	1	Loleta C.S.D.	1210023	001	Water supply and quality from existing wells has degraded over time. Insufficient water supply results in shortages every summer. Barium concentrations from main source (Well 1) exceed MCL.	Construct intertie with Humboldt Community Services District.	2006	$2,500,000

SRF Category **E**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	20	18	Rural Canyon Mutual Water Company	4900618	001	Wells are insufficient to serve system. System experiences depressurization and must haul water in the fall.	Construct a 1 1/2 mile 6 inch line to connect to Forestville CWD, annex to District and pay the connection fees or purchase wholesale water & continue to operate the storage and distribution system.	1999	$885,000
20	C	65	6	CUYAMA MUTUAL WATER CO	4200514	001	Well has reduced production capacity which results in water shortages at times. Water quality problems due to high sulfates and hardness. Well has past history of nitrate MCL failure. Nitrates currently around 40 mg/l.	Tie into Cuyama CSD or construct a new well. (Reranked to E from M 1/3/02)	2000	$250,000
20	C	81	5	LANGLEY/VALLE PACIFICO WS	2701670	001	Insufficient source water capacity - water hauled in to augment supply.	Install new well and treatment facilities.	1998	$480,000
20	C	90	20	DOUBLE R TRAILER PARK	3301220	001	Well is running dry. No where to drill new well because of septic systems.	Connect to Mission Springs WD water system.	2002	$480,000
20	C	130	2	Greenhorn Creek Services District	3200188	001	Water outages and low pressures.	New well pump in Well 02, 2 replacement PRVs, and 3 new PRVs.	2006	$141,350
20	C	300	1	Siskiyou Co. Rolling Hills MWC	4700528	001	Steel pipeline from wells to tanks is old and deteriorated. Water demands are high and leakage from pipelines cannot be detected.	Replace old steel pipeline to tanks and install meters at service connections.	1998	$750,000
20	C	665	13	East Wood Farms CWU	3600100	003		Eastwood Farms Community Water Users (EFCWU) is a private corporation organized and operating as a mutual water company incorporated and existing under the laws of the State of California. EFCWUs service area is within the jurisdictional boundaries of E	2008	$2,500,000
20	C	1018	3	Lake County CSA 2 - Spring Valley	1710018	004	System water outages experienced during peak demand periods for two consecutive years.	Upgrade WTP facility to improve water delivery to distribution system.	2007	$1,500,000
20	C	1879	2	Quincy Community S.D.	3210004	003	Norton Well taken out of service due to MTBE detections in well.	Construct new well to make up for loss in production.	2001	$350,000
20	C	11405	21	Del Oro Water Co.-Paradise Pines	0410011	003	Sources do not have sufficient reliable capacity to meet water demands.	Extend a new pipeline to convey treated water from the Lime Saddle surface water treatment plant to the Paradise Pines System	2001	$4,500,000
20	P	50	13	Tecopa Francis Elementary School	1400063	001	Repeated water outages. Arsenic and fluoride concentrations in excess of MCL	Install storage tanks, new well, and treatment system	2006	$226,000
20	P	800	17	Loma Prieta JUSD-Loma Prieta School	4300721	001	Current groundwater and surface water supplies are unpredictable in terms of quantity and quality.	Connect to Montevina Pipeline (treated water)distribution system approximately 1 mile away.	2004	$500,000
20	N	200	21	NEVADA IRRIGATION DISTRICT/GREENHORN	2900577	001	Extremely low yield from wells	Connect campground to potable system from Loma Rica.	2003	$500,000

SRF Category **E**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	30	20	Spring Crest Water & Power	3301643	001	System has had water outages. System has had numerous coliform failures.The current water storage system is inadequate for providing either operational or fire flow water storage capacity.Distribution system is old and undersized.	A) Need secondary source of water - new well $25k, B) Provide electrical service to wells/tanks for monitoring $5k, C) Replace approx. 200 l.f. of 8" water line $16k, D) Clean out hydrolic wells $5k Design and construct one steel reservoir	2006	$471,000
15	C	30	20	Spring Crest Water & Power	3301643	002	Old system that is in need of evaluation for system integrity, ability to provide fire flow protection and the ability to provide service for identified future users within the service area,	planning activities to solve water source capacity problems	2006	$100,000
15	C	130	20	ALPINE VILLAGE	3301491	001	We have a lot of dead end lines that run out of water when the rest of the system has water. Would like to lay pipe to loop the sytem and run electric to other wells and need new pumps. System has had numerous coliform failures.	To lay the needed pipe to loop the system. We have 6 other wells we could use but need pumps and electric to run them.	1998	$325,000
15	C	130	20	ALPINE VILLAGE	3301491	002		planning study to determine project to solve problem	2005	$110,000
15	C	150	18	Bodega Water Company	4900850	001	Main well source does not produce sufficient source capacity to meet system demand	Build reservoir to meet demand	2002	$100,000
15	C	415	13	Forest Park MWC	3600107	001	Insufficient source and storage capacity	Construct new sources and storage facilities	1998	$150,000
15	P	125	2	MONTGOMERY CREEK SCHOOL	4500170	001	Insufficient water source capacity resulting in water outages.	Improve spring or drill wells to improve source capacity and preclude water outages; (probable bond law project)	1998	$100,000
15	P	200	14	TECATE VISTA MUTUAL WATER COMPANY	3700953	002	Source, Storage and Delivery capability in insufficient to supply current demands	Install automated chlorination, install adequate storage with appurtenances, and replace distribution pipes where required.	2007	$600,000
10	C	900	2	Weimar Water Company	3110035	002	Water system failure due to insufficient storage	Construct 750,000 gal water storage tank	2005	$500,000
10	C	1100	13	Yermo Water Co	3610118	001	Inadequate source, storage and distribution system resulting in bacti failures and outages	Construct new well and reservoir, replace mainline	1998	$1,350,000
10	C	1858	9	Esparto C.S.D.	5710007	002	Lack of wells, lack of water storage. Pressure problems, fire flow.	Drill wells, construct water tanks.	2003	$950,000
10	C	3300	5	Seaside Municipal Water System	2710018	001	Insufficient source capacity - water purchased through emergency connection.	Install new well.	1998	$850,000
5	C	70	14	PALOMAR MOUNTAIN MUTUAL WATER CO.	3700933	001	insufficient supply due to inadequate source and delivery capability	Install Well and storage facilities and replace pipes in distribution system	2006	$1,200,000
5	C	76	16	LITTLE BALDY	1900158	004	Water shortages and water outages during dry years and drought periods. Need to ration water and haul water in during such times.	Deepen existing well for more supply, or drill new well	2000	$500,000
5	C	90	3	Lake View Mutual Water Co.	2300606	001	System capacity inadequate. Must purchase approx. 60% of water needs.	Drill well.	1998	$30,000
5	C	150	11	MD#05 MOUNTAIN RANCHES	2000549	002	This system experiences water outages due to a lack of adequate source capacity.	Construct a new well and storage tank.	2007	$608,000

SRF Category **E**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	500	18	Sonoma County Water Agency	4910020	006	Capacity of current aqueduct between Petaluma and Cotati is exceeded during summer months. The ability of the aqueduct to reliably delvier drinking water is compromised during this period.	Construction of an additional pipeline, water storage tanks, booster pump, and related facilities between the existing Cotati tanks and the Kastania tanks in southern Petaluma.	2003	$50,000
5	C	2580	3	North Gualala Water Company	2310007	002	A recent decision by courts has determined several groundwater sources to be taking from surface water, which impacts ability use primary sources.	Investigate and assess source alternatives.	2007	$11,400,000
5	C	2580	3	North Gualala Water Company	2310007	004		Investigate possible sources, prepare EIR, Contingency Plan, develop test wells, prepare new Water Rights permit, develop source reservior,& treatment facilities.	2007	$1,200,000
5	C	2580	3	North Gualala Water Company	2310007	006	By Order 2001-14, the State Water Resources Control Board (Board) requires our community to only operate two wells if minimum bypass requirements are met. These two wells account for 85% of our source production during maximum day demand. By Order WR 20	Following a planning study, NGWC plans to develop recommendations that address source capacity deficiencies. Our current source deficiency amounts to 250 gpm (or ac-feet). Our construction project would allow NGWC to comply with State Water Resources WR	2008	$10,200,000
5	C	3969	3	Redwood Valley County Water District	2310008	005	Redwood Valley is currently under a court ordered moratorium that does not allow new services. The District is also subject to a Cease and Desist Order from DWR regarding annexed areas that are currently being served. This feasibility study would allow th	Evaluate proposed off stream storage sites, including project design and environmental review. Also includes preliminary land survey.	2008	$4,000,000
5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	004	The Federally mandated arsenic standard of 10 ppb caused the Rio Linda/Elverta Community Water District to shut down two of its 11 groundwater wells. The two wells (numbers 3 & 5) had historic arsenic levels of 9-14 ppb and 15-22 ppb respectively. The w	The Rio Linda/Elverta Well #14 Project consists of developing a new well in western Rio Linda to replace two wells lost due to arsenic levels. The project consists of: a 1,500 gpm (minimum) well with variable speed control; pumphouse and hydropneumatic t	2008	$3,100,000
5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	006	The Rio Linda/Elverta Community Water District is working with Sacramento Suburban Water District to finalize an agreement to purchase surface water in support of groundwater management. In order to effectively and reliably take the water when available	The Rio Linda/Elverta Community Water District - Storage Project will include: a 1.5 million gallon storage tank; booster pump station; emergency power; piping for intertie and connection to existing distribution system; control valves and SCADA for remot	2009	$1,500,000
5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	007	The Rio Linda/Elverta Community Water District was forced to take two wells out of production in 2006 due to the Federal Arsenic standard of 10 ppb. One of the wells will be officially abandonded this year due to age and lack of a large enough site to ad	This project would reactivate Well #5 by installing: a new well pump and electronic controls; new piping; arsenic treatment system and disinfection system. We would use the existing well and hydropneumatic tank, and piping modifications would be minimal	2009	$600,000
5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	001	Inadequate water supply.	Construct a 500,000 gallon water storage tank. Involves design and construction.	1998	$450,000

SRF Category E

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	48	5	TIERRA VERDE MWC	2700775	001	Well failures have resulted in frequent water outages, lasting up to 72 hours at a time. Have implemented temporary repairs - need to have longterm solution.	Construct a new well and storage tank to provide long-term reliability	2002	$75,000
0	C	48	5	ECHO VALLEY RD WS #05	2701423	001	Water outages due to insufficient water source capacity.	Design and construction of new well.	1998	$45,000
0	C	60	5	NORTH SHORE ESTATES WS	2702256	001	Water outages and pressure problems. Only one well, and water table appears to be dropping.	Drill new well or equip existing well with new pump	2003	$75,000
0	C	62	5	Z RANCH MWC	2700731	001	Insufficient source capacity - service connection moratorium in place.	Add one or two new wells.	1998	$80,000
0	C	75	5	VIERRA MEADOWS MWC	2702003	001	Insufficient source capacity - system has water outages during high demand periods.	Add additional 15,000 gallon storage tank.	1998	$30,000
0	C	100	21	RIVER HIGHLANDS COM.SERV.DIST	5800820	002	River Highlands CSD supplies water to 85 homes. There is currently no water treatment system. If there was a contamination issue there is nothing in place to treat/filter the water. The wells which supply 100% of the water are not sufficient to adequat		2008	$500,000
0	C	126	5	ASSISI MWC	2700503	001	Insufficient well production.	Rehabiliitate or replace well to provide adequate source capacity.	1998	$20,000
0	C	200	20	GLEN EDEN SUN CLUB	3301283	001	Insufficient water supply during driest months. Supply is from 3 wells dependant on rainfall in the area. Water restrictions are necessary each year due to declining water table.	Install a 12" pipeline connection to Elsinore Valley MWD.	2004	$1,000,000
0	C	332	13	Juniper Riviera Co WD	3600222	001	Inadequate source capacity when primary well is out of service	Construct new well	1998	$130,000
0	C	400	12	SEVILLE WATER CO	5400550	002	The Seville water system is supplied by one water well. This old and undersized well has recently seen an elevation of nitrate levels. The most recent level recorded was 43 ppm-very close to the MCL. It is anticipated that further sampling will determi	The proposed project will be to drill a water test well which will determine if a sufficient quantity of potable water can be found in the community. If the test well is successful, a production well would be drilled and equipped with a pump and storage.	2008	$1,200,000
0	C	450	5	PURESOURCE WATER, INC	4400598	001	Lack of adequate source capacity resulting in water outages during periods of peak demand.	Drill and equip a new well, including appurtenances necessary to supply water to the system such as booster pump, pressure tank, and control system.	2000	$100,000
0	C	850	12	DUCOR CSD	5400542	003	SOUTH WELL Imminent Failure – Located on the corner of Ave 55 and Carlisle RoadThe old South Well is 21 years old and is running approximately 42% of its capacity. Recently, in June 2007, the well decreased its pumping capability to 50 gallons per minu	To remedy this problem a new well, pump(s) and other improvements to the system are needed. The “New Well” project will begin with the planning stages. DCSD has consulted with a hydrogeologist who recommended a new well be located northeast of the commu	2007	$1,350,000

SRF Category **E**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	850	12	DUCOR CSD	5400542	002	SOUTH WELL Imminent Failure – Located on the corner of Ave 55 and Carlisle RoadThe old South Well is 21 years old and is running approximately 42% of its capacity. Recently, in June 2007, the well decreased its pumping capability to 50 gallons per minu	To remedy this problem a new well, pump(s) and other improvements to the system are needed. The "New Well" project will begin with the planning stages. DCSD has consulted with a hydrogeologist who recommended a new well be located northeast of the commu	2007	$1,350,000
0	C	1119	2	Shasta Co. Service Area #6	4510004	001	The Elk Trail neighborhood is a few miles south of Shasta Lake, in the unincorporated area of Shasta County. There are 188 properties in the Elk Trail neighborhood. Most residents have water supply problems. They are served by individual wells, which h	An engineering firm (PACE Civil, Inc) has prepared a Preliminary Engineering Report for the proposed service to Elk Trail, from Jones Valley. Jones Valley has two water intake casings in Shasta Lake. Adequate water rights have been obtained for Jones Va	2009	$10,000,000
0	C	1134	5	Forest Lakes MWC	4410016	001	Inadequate source capacity for hard rock well supply, end-of-life for piping, tanks and electrical, need meters	Drill new well, replace aging system, install meters throughout system	2002	$500,000
0	C	1200	18	Bolinas Community PUD	2110005	002	Seasonal high streamflows result in siltation and closure of facility	Plan, design, and construct an alternative impound structure.	2009	$500,000
0	C	1200	18	Bolinas Community PUD	2110005	003	Watermains on eroding hillsides	Plan, design, and construct alternative route for water line.	2007	$200,000
0	C	2500	5	Mt. Hermon Association, Inc.	4410008	001	Well MH1 losing capacity, resulting in water shortages and activation of emergency intertie to Sa nLorenzo Valley WD.	Construct new well	2006	$300,000
0	C	3969	3	Redwood Valley County Water District	2310008	006	Redwood Valley is currently under a court ordered moratorium that does not allow new services. The District is also subject to a Cease and Desist ORder from DWR regarding annexed areas that are currently being served. This project would allow the District	Develop a new ground water source to augment existing surface water supplies. Construction of a pipeline to bring new ground water to the existing surface water plant. The existing surface water plant is capable of removing iron and manganese, the most li	2008	$2,000,000
0	C	5412	17	Montara Water and Sanitary District	4110010	036	The District water system has long had a water supply deficiency which barely meets current demands and often requires mandatory conservation to meet summer demand. A moratorium on new connections was imposed in about 1976 in accordance with a recommenda	The project would consist of the following components:? Construction of a new Alta Vista Tank and a security fence on Alta Vista Road northeast of the existing Alta Vista water storage tank. This new 1 million gallon tank would be constructed of steel	2007	$3,800,000
0	C	9479	13	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047	001	Demand can exceed source capacity during prolonged drought periods	Construct new well	1998	$300,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	003	OWEN WATER TANK. THE EXISTING TANK IS VERY OLD AND UNDERSIZED. THIS IS A STRATEGIC LOCATION FOR A LARGE RESERVOIR FOR THE SITE IS LARGE ENOUGH TO ERECT A LARGE TANK THAT CAN BENEFIT MOST OF THE TOPANGA CANYON RESIDENTS.	CONSTRUCT A 500,000 GALLON TANK TO IMPROVE SYSTEM RELIABILITY.(See new definition and water outage noted in project 08)(4/	1999	$1,000,000

SRF Category E

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	P	25	13	Barton Flats Water System	3601048	001	Frequent water outages resulting from inadequate capacity of existing filtration system that can't run at higher rate to produce water.	Construct a new filtration system to supplement existing treatment plant	2006	$233,040
0	P	55	17	Montebello SD - Montebello School	4300762	001	Present system fails to provide adequate supply of water to support the campus.	Need to add more capacity with adding another well or more storage. A faster refill ssytem to be considered.	2002	$75,000
0	P	100	9	LATROBE ELEMENTARY SCHOOL	0900410	002	No water storage above ground.	Develop plans to install adequate storage for domestic water.	2003	$55,000
0	P	100	9	LATROBE ELEMENTARY SCHOOL	0900410	001	Miller's Hill School system needs additional source capacity to prevent water outages.	Construct additional well and connect to storage tank.	1998	$100,000
0	N	25	6	VENTUCOPA WATER SUPPLY	4200872	001	Low water production and inadequate storage to meet demand.	Construct new well and storage tank; may include meters	2002	$735,000
0	N	25	6	VENTUCOPA WATER SUPPLY	4200872	003	Well - Low water production, insufficient water supply and high nitrates	Install a new well	2007	$175,000
0	N	30	16	CAMP VERDUGO OAKS BOY SCOUTS	1900594	001	Limited water delivery capacity and capability of existing source	Drill new well	2005	$27,000

Total Projects for 'Category' = E (81 Projects) **Total Costs for Category:** ***$88,984,190*** **Total Population served in Category:** ***237,437***

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	106	12	EAST OROSI C.S.D.	5401003	003	The Tulare County community of East Orosi is provided drinking water by the East Orosi Community Services District. The two wells that provide water to the District have produced water often exceeding the Maximum Contaminant Level (MCL) for nitrates of 4	The proposed feasibility study would evaluate various options that could provide a dependable supply of potable water for East Orosis residents. These options to be evaluated will include:1) An evaluation of drilling more local water wells to serve th	2008	$500,000
45	C	197	19	LONG CANYON WATER COMPANY CORP.	1500578	002	This project would inter-connect small water systems that have existing sources of supply in violation of arsenic, nitrate, uranium and secondary MCLs. The project would also interconnect small community water systems that have only one existing source	The study would evaluate the best location and size of the pipeline that would inter-connect these systems and also the needed storage tanks and booster pumps that would be needed to supply the entire interconnected small systems. The study would evalua	2008	$80,000
45	C	400	12	LSID - Tonyville	5410007	003	The Lindsay-Strathmore Irrigation District (District) provides water for domestic and/or agricultural irrigation purposes. The District utilizes imported surface water as their primary water supply. The District has a contract for Class 1 water from the	A pipeline that interties the District and the City of Lindsay is needed to provide the District with water during canal water supply interruptions and eliminate the need to utilize nitrate-contaminated groundwater wells. The intertie also affords the op	2008	$1,038,000
45	P	900	12	OROSI HIGH SCHOOL	5400636	001	Exceeds nitrate MCL.	Connection to Orosi PUD.	2001	$100,000
40	C	45	11	MD#85 VALETA MUTUAL WATER COMPANY	2000511	002	System only has one well which often exceeds mcl for nitrates. System well also has a dropping water table and it is uncertain how long it can sustain this community.Water system was installed by homeowners and only consist of small pvc pipe	This water system is small and in close proximity to the city of chowchilla water system. The small ditribution system needs to be replaced, abandoned and intertied with the city of chowchilla.	2008	$1,000,000
40	C	50	12	AKIN WATER CO.	5401038	001	Ongoing nitrate contamination; with notification	Connect to city of Porterville to provide water meeting nitrate standard	2006	$250,000
40	C	100	11	MD#43 MIAMI CREEK KNOLLS	2000557	003	System exceeds MCL of 45 for nitrates current system is at 52.11. Water system also exceeds secondary MCL for iron of 300 with a detection level of 860. System also exceeds Secondary MCL for turbidity of 5 NTU and current level is 8.4 NTU. System current	Install Nitrate and iron removel plant Complete consolidation with Dillon Estates water system. Install new distribution system, tank and boost pumps wich will meet fire flow. Drill new high production well for water blending nitrate removel.	2008	$3,000,000
40	C	108	12	BEVERLY-GRAND MUTUAL WATER	5400651	001	Ongoing viol of nitrate w public notification	Excess nitrate - consolid w Porterville	2006	$250,000
40	C	110	12	RODRIQUEZ LABOR CAMP	5400735	002	The Rodriguez (California Camp) Water System has one water well that provides water to the residents of this Farm Labor Camp. The well provides water that exceeds the Maximum Contaminant Level (MCL) for nitrate with levels in the range of 130 ppm. The s	The proposed project would be to consolidate with the Richgrove Community Services District water system. The project would include the purchase of capacity into the Richgrove system as well as the extension of a water main from Richgrove or the new well	2008	$500,000
40	C	150	14	RANCHO ESTATES MUTUAL WATER CO.	3700936	001	The company water source exceeds nitrate MCL. Nitrate removal is not practical due to local conditions.	Install a parallel domestic water distribution system for irrigation.	1998	$2,800,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
40	C	7318	12	Orosi Public Utility District	5410008	006	The Orosi Public Utility District (OPUD) and the Cutler Public Utility District (CPUD) provide domestic water to the residents of the unincorporated communities of Orosi and Cutler, respectively. Each district relies solely on groundwater to meet the wat	Due to the local groundwater contamination, the Orosi Public Utility District (OPUD) and Cutler Public Utility District (CPUD) identified a need for dependable potable water supplies to continue serving the existing residents of the Districts, proposed se	2008	$400,000
35	C	100	12	SOULTS MUTUAL WATER CO.	5400805	004	The well providing water to the Soults Mutual Water Company produces water that exceeds the Maximum Contaminant Level (MCL) for nitrate of 45 ppm. The water distribution system is in need of replacement.	The proposed solution is to have an intertie with the City of Tulare Water system. The project would include the replacement of the water distribution system. The Water Company prefers to be consolidated and absorbed into the City of Tulare water system.	2008	$820,000
35	C	100	11	MD#43 MIAMI CREEK KNOLLS	2000557	002	The well exceeds the nitrate MCL and provides an inadequate supply of water. Also, the system's storage and distribution facilites are old and deteriorated.	Construct a new well, storage and distribution facilities. This system would also be consolidated with the MD#60-Dillon Estates system.	2007	$1,813,000
35	C	16146	5	Soledad, City of	2710011	001	Wells exceed nitrate MCL.	Replace private wells with connection to municipal water.	1998	$220,000
30	C	60	5	APPLE AVE WS #03	2701036	001	Well exceeds nitrate MCL - may need to hook up to City water.	Drill deeper well or consolidate with City water system.	1998	$75,000
30	C	250	5	QUEEN MOTEL WS	2700706	002	Both wells supplying water to the system have high nitrate concentrations and are unusable. Bottled water is provided for drinking and cooking.	Construct a new pipeline to tie into California Water System-King City	2001	$348,000
30	C	24900	12	East Niles CSD	1510006	007	1. San Joaquin Estates Mutual Water Co.1. Ongoing non-compliance with the Nitrate MCL of 45 mg/L2. Sample results as of 8/01/05 (64 mg/L)3. Ongoing non compliance of order No. 03-19-04E-098 to provide public notification of MCL excedence.4. Ongoing	Consolidation of East Wilson Road Water Company,San Joaquin Estates Mutual Water Company and Victoty Mutual Water Company into the East Niles Community Services District will require the following infrastructure construction, replacement and abandonment.	2008	$5,008,020
30	C	24900	12	East Niles CSD	1510006	008	Country Estates (Del Oro Water Company)Levels of arsenic and nitrate at or exceed the DHS regulated Maximum Contaminant Levels (MCL)Noncompliance with:1. Failure to provide reporting on bacteriological testing.2. Failure to report monitoring requirem	Country Estates (Del Oro Water Company)1. Abandon existing distribution system2. Install 4,800 ft. of 8 inch pvc distribution line, valves and appurtenances3. Install 2,000 ft. of 12 inch transmission line4. Install 8 fire hydrants5. Install 89 mete	2008	$4,322,750
25	C	28	5	Arnold Park (O Bannon s MHP)	3500526	001	Nitrate level exceeding 45 mg/L in only supply well	locate new source water or treat existing groundwater for nitrate removal	2002	$100,000
25	C	35	19	EAST WILSON ROAD WATER COMPANY	1502699	001	Nitrate levels exceed allowable MCL of 45 mg/L. We are at 87 mg/L. Included is a copy of Compliance Order #03-19-010-004	Ion exchange System	2003	$100,000
25	C	37	20	WHISPERING SANDS MH PARK	3301746	002	Water produced from well exceed nitrate standard.	Connect to adjacent public water system, or drill new well.	2000	$25,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	106	12	EAST OROSI C.S.D.	5401003	002	Two wells have been found to occasionally produce water with nitrate concentrations exceeding 45 mg/L MCL.	Drill two new wells.	2003	$400,000
25	C	144	19	SIERRA BREEZE MUTUAL WATER COMPANY	1500447	003	Sierra Breeze Mutual Water Company system had water samples collected on 1/8/07 from each of the two wells in operation. Results returned showed a nitrate level of 75 mg/L from Well 01 and a nitrate level of 35 mg/L from Well 02. These results reported to	Indian Wells Valley Water District (IWVWD) is a large community water system serving the community of Ridgecrest and surrounds. Connecting to the IWVWD system via a 3300-foot water main extention and a master water main meter would allow for either a blen	2007	$1,000,000
25	C	186	10	MONTEREY PARK TRACT COMMUNITY SERVICE DI	5000389	001	Two community wells exceed nitrate MCL.	Either drill new wells or install nitrate treatment.	2004	$400,000
25	C	197	19	LONG CANYON WATER COMPANY CORP.	1500578	003	This project would inter-connect small water systems that have existing sources of supply in violation of arsenic, nitrate, uranium and secondary MCLs. The project would also interconnect small community water systems that have only one existing source	The construction project would include new sources (if needed) to meet demand of the entire completed system, 11-mile long pipeline that would inter-connect these systems and also the needed storage tanks and booster pumps to supply the entire interconne	2008	$15,000,000
25	C	200	12	LEMON COVE WATER CO	5400616	001	One well system which has nitrates above the MCL	Drill a new well or connect to system OTHER-Design and Construction	1998	$1,000,000
25	C	200	14	LIVE OAK SPRINGS WATER COMPANY	3700922	002	repeated total coliform violations	new well and pipes	2007	$100,000
25	C	250	12	FAIRWAYS TRACT MUTUAL	5400663	001	BOTH WELLS OVER NITRATE MCL	install nitrate treatment or connect to city of Porterville	1998	$621,000
25	C	250	11	EL NIDO MOBILE HOME PARK	2400053	001	Well No. 2 exceeds the nitrate MCL.	Construct a new well or install treatment facilities.	2004	$20,000
25	C	300	12	TEVISTON C S D	5400641	001	DETERIORATED UNDERSIZED PIPELINE SYSTEM IN UNSEWERED COMMUNITY WITH BREAKAGES THAT CAN CREATE BACKFLOW AT LOW PRESSURE CONDITIONS	REPLACE DETERIORATED AND UNDERSIZED PIPES	2015	$130,000
25	C	725	12	WOODVILLE FARM LABOR CENTER	5400792	003	County inspection report (June 18, 2007) has revealed that the system is over the maximum contaminant level for nitrates.	This is an existing Farm Labor Center near the City of Woodville in S/E Tulare County. The Center was first built in about 1937, and has been remodel several times since the orginal construction date. Details of work done on the existing Well, and stora	2008	$100,000
25	C	1720	5	San Juan Bautista, City of	3510002	001	High nitrates exceeded MCL and TDS in well water.	install filtration plant for surface water supply.	2000	$750,000
25	C	4474	12	Ivanhoe Public Utility Dist	5410019	002	Nitrate MCL exceeded in Well 1 and Well 5	Construct new well	2007	$680,000
20	C	31	12	GLEANINGS FOR THE HUNGRY	5402047	001	Exceeds nitrate MCL.	Drill a new well.	2002	$100,000
20	C	87	12	River Island Service Terr #2	5402048	001	System's wells violate the Nitrate MCL.	Locate, Drill, outfit and install new wells.	2005	$75,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	110	19	SEVENTH STANDARD MUTUAL	1500373	001	1,2 - D1 CHLOROPROPANE ABOVE MCL IN BOTH SYSTEM WELLS AND NITRATE IN WELL#2	UNDETERMINED UNTIL STUDY IS DONE. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$500,000
20	C	150	17	Farmers Labor Exchange	4300943	001	Source exceeds nitrate MCL	Connect with City to receive water that complies with standards	2007	$150,000
20	C	200	5	SPRINGFIELD MWC	2700771	001	Well exceeds nitrate MCL.	We need funds for evaluation, design, and repairs.	1998	$300,000
20	C	220	19	SAN JOAQUIN ESTATES MUTUAL	1500575	001	Excessive Nitrate Levels in the system well	Equipment repair and replacement or drill a new well depending upon investigation or laying a new water line less than a mile to east Niles CSD line	2005	$150,000
20	C	350	12	WATERTEK - GRANDVIEW GARDENS	5400666	001	EXCEEDING NITRATE MCL	DRILL A NEW WELL. or connect to City of Porterville	1998	$262,500
20	C	700	12	River Island Service Terr No. 1	5400665	002	System's sources violate Nitrate MCL.	Locate, drill, outfit and install new wells.	2005	$200,000
20	C	49496	12	Porterville, City of	5410010	012	The City's water system is needed to supply water to seven different privately owned public water systems located around the periphery of the City limits. These systems have nitrates that exceed the MCL.	The City needs to construct three new wells and construct hookups to each system with a master meter and a backflow prevention device.	2005	$2,100,000
20	P	34	12	CITRUS SOUTH TULE SCHOOL	5400555	001	Exceeds nitrate MCL.	Drill a new well	2002	$100,000
15	C	100	12	SOULTS MUTUAL WATER CO.	5400805	002	BACTERIOLOGICAL & NO3 > MCL	DEEPEN WELL, RUN WATER CONNECTIONS THROUGH FRONT YARDS. OTHER - DESIGN AND CONSTRUCTION	1998	$100,000
15	C	243	11	HILLVIEW WATER CO-RAYMOND	2010012	001	Raymond Wells No. 8 & 9 exceed the Nitrate Maximum Contaminant Level. Well No. 8 is one of the primary wells in Raymond which has a marginal water supply at best. Arsenic is also a problem in several of the wells. The Nitrate level in the blended well	Raymond Wells No. 8 & 9 both have Nitrate levels which exceed the Nitrate Maximum Contaminant Level. Raymond Well No. 8 is the largest water producer of all the Raymond wells. Several of the Raymond wells also have Arsenic levels which exceed the Arseni	2007	$2,000,000
15	C	700	14	LAKE MORENA OAK SHORE MW CO.	3700923	001	Nitrate MCL violations.	put in treatment	2000	$150,000
15	P	540	12	FAIRMONT SCHOOL	1000112	001	WELLS PRODUCE WATER THAT EXCEEDS THE NITRATE MCL.	CONSTRUCT A NITRATE REMOVAL TREATMENT SYSTEM.	1998	$158,200
10	C	67	5	MORO COJO MWA	2700656	003	Water system has 3 wells. 2 are used for domestic (production is ? And unknown). The remaining 3 wells exceed the state MCL for nitrates and are used for irrigation only.	Construct a new well, possibly in a different location.	2000	$100,000
10	C	250	19	ENOS LANE PUBLIC UTILITY DISTRICT	1500544	003	We have two systems wells. one of the wells exceed the nitrate MCL of 45 mg/L.	One alternative is to provide nitrate blending treatment. The other option is to conslidate with Vaughn Water Company which is over 3 miles away.	2008	$1,500,000
10	C	16629	5	Greenfield, City of	2710008	001	[Insufficient number of homes to form special assessment district.] Nitrate levels in certain private drinking water systems are too high.	Install a water main to this property to hook up residences to City water.	1998	$250,000
10	C	26177	20	Rubidoux Community SD	3310044	004	High nitrate well.	Installation of treatment.	1999	$5,000,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	54060	9	City of Woodland	5710006	001	Wells 17 & 20 have high nitrate concentrations that require continuous monitoring	Install a SCADA system and nitrate analyzers with system shutoff controlers	2005	$1,250,000
10	N	25	6	VENTUCOPA WATER SUPPLY	4200872	004	The water system has only one well which exceeds the MCL for nitrates. The water system was established in the 1930s and does not meet DHS standards and community needs. Water system exceeds nitrate standard, and does not meet quantity and quality stand	Connect new well to provide system with better quality water that meets nitrate MCL. Blend new well water with Old well #1 water to meet Nitrate standards. Provide water storage that meets DHS standards Provide chlorination equiptment to maintain	2007	$845,000
10	N	29	5	OAK PARK WS	2700999	002	Fluctuating levels of nitrate in wells. Nitrate exceeds MCL most of the time and overall trend of nitrate concentration is increasing.	Drill and equip a new well or else install nitrate removal treatment.	2000	$50,000
10	N	30	9	AILEEN OLSON LABOR CAMP	5700546	001	Nitrate exceeds MCL in water supplied to users.	Deepen well. Involves design and construction.	1998	$20,000
5	C	438	5	VEGA RD WS #01	2700787	002	Main well collapsed. Backup well is supplying system and supplies water containing nitrate in excess of MCL.	Drill and equip a new well.	2000	$225,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	017	Well F35A is contaminated with perchlorate above the AL	Install treatment using ion exchange technology to remove perchlorate	2002	$3,000,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	015	Well F18A is contaminated with perchlorate above the AL	Install treatment using ion exchange technology to remove perchlorate	2003	$1,750,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	014	Well F17C is contaminated with perchlorate above the AL	Install ion exchange treatment technology to remove perchlorate	2002	$1,750,000
0	C	25	19	WHEELER FARMS HEADQUARTERS	1502017	001	Our system well has nitrate above the MCL and arsenic above the new EPA MCL.	Provide arsenic and nitrate treatment.	2008	$500,000
0	C	30	17	Foothill Mutual Water	4300630	002	Source exceeds nitrate MCL	Construct new deep well to locate water that complies with state standards	2007	$425,000
0	C	30	17	Foothill Mutual Water	4300630	003	Our water system has two wells. Well 4300630-001 was shut down in September 2004 by DHS for exceeding the 45 MCL state nitrate limit. Well 4300630-002 began exceeding nitrate limits in June 2006. Over the last decade we have seen our nitrate levels ste	This project would involve finding a new well sight with acceptable nitrate limits and to purchase the property or right of way. We would have the project engineered and put through the county permit process for approval of the necessary pumps, pipes, el	2008	$1,500,000
0	C	39	5	CALERA CANYON HEIGHTS HOA	2700523	001	Ongoing Total Coliform Rule violation, chronic coliform problems.	Install new tank	2006	$125,000
0	C	81	19	VALLEY VIEW ESTATES MUTUAL WATER CO	1500569	001	Well #4 has a nitrate level that often exceeds the MCL of 45 milligrams per liter. Since August of 2006, nitrate levels have varied from 24 to 106 mg/L. A well cycle test was completed on July 11, 2007, and the average result of this test showed nitrat	It appears our community water system must replace Well #4 because of the nitrates contamination. This was the recommendation of Mr. Abdel Shurbaji of the California Department of Public Health, Division of Drinking Water and Environmental Management. M	2008	$58,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	150	5	IVERSON & JACKS APTS WS	2701068	002	Iverson & Jacks Apts Ws Problems: Continued contamination of Nitrates in water supply.Deemed unsafe for drinking and cooking testing at 74mg/Ll tested on7/1/07 State drinking water limit 45mg/L	I want to provide clean pure drinkable water for my 30 families. There are some 150 people, 90 of which are children. I supply affordable housing for these families. The average rent for family is $600.00.The adults are by large farm workers. Nitrate int	2007	$92,309
0	C	200	12	LEMON COVE WATER CO	5400616	002	The Lemon Cove Water System has nitrates above acceptable levels. The system has exceeded the maximum contaminant level of 45 mg/l every year for over twenty years. Yields from wells are frequently low compared to valley wells as the area is underlayed wi	Feasibility study would include, but not be limited to, ground water survey and testing, siting, drilling, and analysis of test wells, and the necessary design to incorporate successful wells into the existing system. Further, to investigate storage solut	2008	$250,000
0	C	200	12	LEMON COVE WATER CO	5400616	003		Based on information gathered from feasibility study, construct two production wells and the necessary controls and appurtenances to connect to the existing system, including storage and gravity pressurization on a nearby hill, and piping to connect to th	2009	$1,000,000
0	C	234	6	CASMALIA COMM. SERVICE DIST.	4200870	001	The existing 85,000 gallon water storage tank is over 25 years old, leaking, and extremely dilapidated with multiple large holes in the roof. It is presumed to be the contributing source of Total Coliform Bacteria standards failure in 2007. Recurring leak	The project will consist of complete replacement of the tank. A new concrete pad will be built next to the old tank so the existing tank can remain in service while the new one is being built. The new project will include replacement of metering and feed	2007	$200,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	018	District 21 is a small community water system serving residents living in Kagel Canyon, in unincorporated area of Los Angeles County. The Districts water distribution system consists of approximately seven miles of old and undersized water mains, two pu	The District proposes to correct its water distribution system problems in two phases. In the first phase, the District proposes to abandon its three aging, substandard wells and drill new wells that will be compliant with the State standards and regulat	2008	$3,000,000
0	C	1000	15	GREEN VALLEY CWD	1910244	006	The dwelling units within the Green Valley County Water District all use on site sewage treatment and disposal units (septic systems). As all the water wells in the valley are clustered in the lower valley area, the possibility exists that the well water	In the future, to install nitrate removal units on wells that begin to have nitrate in excess of the MCL. At the present time it does not appear feasible to construct a centralized community treatment unit so well head treatment units would be proposed	2009	$400,000
0	C	2200	12	Poplar Comm Service Dist	5410026	002	The Poplar Community Services District (District) provides domestic water to the residents of the unincorporated community of Poplar. The District's water system serves approximately 2,200 people. The District utilizes three groundwater wells to supply	The Poplar Community Services District (District) has identified the need for a new groundwater well for domestic water supply purposes. The District's proposed project consists of designing and constructing a new groundwater well.The proposed Project	2008	$600,000
0	C	2386	10	Amador County Service Area #3/Unit 6	0310021	003	The North Shore Lake Camanche Ground Water System has had a history of issues with Ground Water Wells. This past year the Department of Health Services required the Agency to establish a new source for the service area prior to any additional connectio	The project proposes to construct a direct tie from the Wells 9 and 14 to the Storage Tank 9 which will provide the required Contact Time to meet Chlorine Disifection Bi-Product requirements prior to domestic service.	2007	$315,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	9777	16	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	004	Nitrate is an inorganic compound that often appears in the environment, both naturally and unnaturally. Most commonly the nitrate in groundwater originates from fertilizers, septic systems, and manure storage or spreading operations. The nitrate from the	This project is for the removal of nitrate from the groundwater pumped from Well No. 27-5 to ensure compliance with the nitrate standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for nitr	2008	$640,000
0	C	20047	20	Hemet, City of	3310016	006	The City of Hemet Water Department recently received DHS notification one of our 12 wells exceeds the current State Maximum Contaminant Level for nitrate of 45 mg/L. Recent samples taken at the well indicate a nitrate level of 65-75 mg/L. As a result, t	Purchase and installation of high-efficiency nitrate removal system to reduce nitrate levels to allow City of Hemet water distribution Well No. 3 to be returned to service.	2008	$800,000
0	C	20875	10	PATTERSON, CITY OF	5010017	003	The Citys Well #4 has recently experienced spikes in Nitrate levels that have exceeded the MCL for this chemical.The Well continues to produce Nitrate levels equal to or above the MCL.The high level of nitrates has prevented the operation of the Well a	The project would include finding a suitable location for a replacement well. Funding would provide the development and construction of a New Well Facility to replace the loss in water production. The City must find an alternate water source to replace t	2008	$1,000,000
0	C	24160	5	Hollister, City of	3510001	012	A well produces water with nitrate content exceeding the MCL. The capacity and location of well are integral to City's ability to meet consumption requirements and provide adequate pressure and to meet fire-flow demand.	Construct membrane filtration plant to treat water from a surface source. Blend treated surface water with well water to reduce nitrate concentration in water delivered to distribution system.	2000	$6,500,000
0	C	48418	13	RIALTO-CITY	3610038	002	5 wells contaminated with perchlorate exceeding the AL/MCL	Install wellhead treatment systems for perchlorate removal	2003	$5,000,000
0	C	68000	13	EAST VALLEY WD	3610064	003	East Valley Water District (EVWD) currently has nine wells out of eleven in service that will exceed the future regulation of 6 ppb MCL for Perchlorate, and the detection level of 4 ppb. Three wells, plant 11, 12, and 28 draw water from the Bunker Hill Ba	The District purchased 4.6 acres of property on which it intents to construct Plant 150, a groundwater treatment, blending and distribution facility. Plant 150 will collect, treat and distribute groundwater from plant 11, 12, and 28, as well as from a fut	2008	$26,000,000
0	C	80000	13	REDLANDS CITY MUD-WATER DIV	3610037	001	Perchlorate above IAL for several primary sources of supply	Design/Study treatment possibilities	1998	$2,000,000
0	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	013	Well F17B is contaminated with perchlorate above the AL	Install treatment using ion exchange technology to remove perchlorate	2001	$1,000,000
0	C	172701	13	ONTARIO, CITY OF	3610034	002	Laboratory results from water samples taken at Well 9 on January 22, 2007 indicate a perchlorate concentration is 6 ug/l. These results are equal to the perchlorate public health goal contaminant level of 6 ug/l. As a result of the high perchlorate con	The proposed project includes planning, design and construction of an onsite ion exchange water treatment facilitiy to treat the Well 15 discharge to remove perchlorate. The project will consist of preliminary design, detailed design and construction p	2008	$6,000,000

SRF Category F

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	172701	13	ONTARIO, CITY OF	3610034	003	The City of Ontario currently has six existing wells out-of-service. Four of the wells are out-of-service due to age and will be destroyed. Two of the wells are out-of-service due to water quality issues and are candidates for wellhead treatment. The six	The City of Ontario currently has six wells out-of-service. Four of the wells are out-of-service due to age and will be destroyed. Two of the wells are out-of-service due to water quality issues and are candidates for wellhead treatment. The six wells ou	2008	$3,000,000
0	P	70	12	UC DAVIS-VET SCHOOL	5401006	001	Since July 2005, the UC Davis School of Veterinary Medicine – Veterinary Medicine Teaching & Research Center (VMTRC) located in Tulare, CA, has been under a Bottled Water Exemption approved by Tulare County EHS (County mandated exemption provisions in let	In December 2006, engineering consultants for UC Davis Facilities submitted a proposal for a new well for the UC Davis School of Veterinary Medicine - VMTRC campus located in Tulare, CA in order to address our short-term potable water needs. The estimate	2008	$1,210,000
0	P	100	12	HOPE ELEM SCHOOL	5400994	001	System tested above allowable Nitrate levels. Test results were .67 mcl.	Hope School is a rural school locate 4 miles south Porterville. Ground wateris our only source of drinking water. There are no public systems near thefacilities.The project will consist of exploratory drilling and sampling of various siteswithin the	2008	$85,000
0	P	130	12	BUENA VISTA SCHOOL	5400919	001	Buena Vista Elementary School District is a one-school school district in rural Tulare County. Buena Vista maintains one domestic well that serves the students, staff and community members on campus. The District has had consistent nitrate MCL violati	This project will include the following: * hire a consultant to oversee project * drill test well -- water quality and access will be assessed prior to continuing with project. *drill new well with pump and water s	2008	$900,000
0	P	230	12	WAUKENA ELEMENTARY SCHOOL	5400795	001	The groundwater used as a source of drinking water for Waukena Elementary School exceeds the Maximum Contaminate Levels for Nitrate. The average Nitrate level from the last four quarterly tests is 65 ppm. A summary of test results is as follows: Septem	The project needed would first include the drilling of a test well in order to determine if a sufficient quantity of potable water could be found. Included in this stage would be the costs of any necessary permits, engineering reports, or other requireme	2008	$1,000,000
0	N	130	12	KINGS INN MOTEL	5400548	001	This system has nitrates and contamantion (bactria) problems. We were able to solve bactria contamination problem, but we are not able to solve nitrates problem. Nitrates have constantly been exceeding the minimum level for past several years. We dont h	This system provides water for hotel and restaurant. Hotel provides free bottled water to guest, but when they see the Nitrates Water Warning sign they get akward feelings. Guest always shows concern (feeling) about the water to our employess. Many travel	2007	$11,700

Total Projects for 'Category' = F (87 Projects) **Total Costs for Category:** ***$128,648,479*** **Total Population served in Category:** ***1,474,958***

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	25	19	R.S. MUTUAL WATER COMPANY	1500458	001	Our system well produces water exceeding the primary MCL of 20 pci/L for uranium and the new federal arsenic MCL of 10 ug/L. Nitrate is marginally below the MCL of 45 mg/L. Our distrbution system has 40 years old galvanized steel pipe which is also unde	As part of this project, we will consolidate with nearby CalWaters Kernville System. The project would consist of 50 of 6-inch pipe to connect with Cal Water, replacing 2000 of old galvanized pipe with new 6-inch water mains, and meters for each servi	2008	$115,000
45	C	52	19	KRVWC - KERNVALE MUTUAL WATER CO	1500364	001	Arsenic in the system well is above EPA's revised MCL of 10 ug/L. Also uranium is above the state MCL of 20 pCi/L.	Connect to Erskine Creek Water Company and consolidation	2007	$400,000
45	C	188	19	RAINBIRD VALLEY MUTUAL WATER COMPANY	1500393	002	The Rainbird Valley Mutual Water Company has two wells that are contaminated with levels of Nitrates and Uranium above the Safe Drinking Water Maximum Contaminant Levels (MCL) for those chemicals. Well #1 has levels of Nitrates at 57 ppm, above the 45 ppm	The Mutual serves water to this 83 home community in the Weldon area of Lake Isabella, Kern County. The area is located in Block Group 1 of Census Tract 52.02 and has a 1999 Median Household Income of $19,265. The Mutual will obtain clean drinking wat	2008	$150,000
45	C	400	19	SON SHINE PROPERTIES	1500588	001	Our standby Well 01 has nitrate above 45 mg/L MCL and also DBCP above the MCL of 0.2 ug/L. Our main well (Well 02) has also DBCP present below the MCL.	As part of this project, we will either develop an intertie with the Arvin CSD (about 3 miles away from us) or provide treatment.	2008	$1,500,000
45	C	550	19	EDMUNDSON ACRES WATER SYSTEM	1500190	003	The community of Edmundson Acres is located in Kern County, about ½ mile north of the Arvin Community Services District (Arvin CSD) at the northeast corner of Sunset Boulevard and Tejon. Census Tract 63.01, Block Group 2 covers the Edmundson Acres Project	The Edmundson Acres Mutual Water Company has been working with the Arvin Community Services District to investigate annexing the area to the District and obtaining loan and grant funds to connect to their water supply. The proposed project includes the d	2008	$1,500,000
45	C	550	19	EDMUNDSON ACRES WATER SYSTEM	1500190	002	Well 01 exceeds the new arsenic MCL of 10 ug/L. Also distribution system is old.	Annex and connect to the Arvin Community Services District and upgrade distribution syste	2006	$850,000
45	C	2723	12	Richgrove Community Services District	5410024	002	The Tulare County town of Richgrove is provided drinking water by the Richgrove Community Services District. The District has two operable wells that supply Richgrove residents with water. One of these wells, Well #4, has experienced problems with two w	The proposed project would include the drilling of a water test well followed by the drilling of a production well. The proposed location of the well would be approximately one to two miles west of the community as recommended in the Richgrove Water Qua	2008	$2,500,000
45	P	204	19	SOUTH FORK MIDDLE SCHOOL	1503368	001	Uranium above the MCL in the system well.	Drill new well to correct problem or connect to nearest PWS with acceptable water quality	2006	$800,000
45	P	263	19	SEMI TROPIC SCHOOL WATER SYSTEM	1502244	002	Source exceeds MCLs for antimony and for arsenic.	Consolidate with neighboring water system.	2007	$250,000
40	C	3185	21	Yuba City Groundwater Region 1	5115001	001	Arsenic levels too high in source water, unable to meet MCL for arsenic in service water	Convert system to surface water, connect to city of Yuba city surface water system.	2006	$5,800,000
35	C	60	11	PIKE RANCH MUTUAL WATER CO	2000526	001	WELL WATER CONTAINS GROSS ALPHA THAT EXCEEDS THE MCL. SUBSURFACE STORAGE TANK IS INADEQUATELY SEALED, AND THE WATER LINES ARE DETERIORATED.	DRILL NEW WELLS OR CONNECT TO A NEARBY WATER SYSTEM, INSTALL A NEW STORAGE TANK AND DISTRIBUTION LINES.	1998	$450,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
35	C	66	12	LACEY COURTS MHP	1600010	001	Arsenic exceeds Federal MCL of 10 ppb	Interconnection to the City of Hanford	2007	$250,000
35	C	66	12	LACEY COURTS MHP	1600010	002	Water source is a well. Arsenic levels do not meet new standards. 26 ppb detected. New standard is 10 ppb.	Disadvantaged mobile home park. This park serves 21 low income families in the Hanford community. City has run a new water line down the street in front of the property. Need money to consolidate this water system into the City of Hanfords water system. C	2007	$250,000
35	C	80	12	HAMBLIN MUTUAL WATER CO	1600504	001	Arsenic above the Federal MCL of 10 ppb	Interconnect to the City of Hanford	2007	$500,000
35	C	210	19	Lands of Promise Mutual Water Associatio	1500424	003	The Lands of Promise water system is a rural water system supplied by six small wells. The community is located about 3 miles west of Rosamond in southern Kern County. All six of the community wells exceed the Arsenic Maximum Contaminant Level of 10 ppb.	To consolidate with the Roasamond CSD water system the Mutual will have to annex to the District, build a +/- 1.5 mile water supply transmission line from the RCSD to the Lands of Promise community, replace about 8,000 feet of leaky 2 inch metal distribit	2008	$2,000,000
35	C	270	11	MCHA LOS BANOS CENTER	2400108	001	The Los Banos Migrant Center has an existing well that has high levels of uranium, arsenic, iron and manganese which exceed the MCLs. Other wells have been drilled in this area by the City of Los Banos but acceptable water could not be found.	The Housing Authority has contacted the City of Los Banos for a water service connection to the Migrant Center and the City has agreed to provide service. The project will include installing water distribution system improvements and a storage tank.	2007	$1,200,000
35	C	350	12	FOUR SEASONS MOBILE HOME PARK	1600004	001	ARSENIC > MCL. NO BACK-UP SYSTEM. INADEQUATE PRESSURE FIRE CONTROL.	CONSOLIDATE WITH THE CITY OF HANFORD	1998	$220,800
35	C	50530	12	Hanford, City of	1610003	004	The City of Hanford is currently under an Administrative Order (Docket #PWS-AO-2006-028) under the authority of the United States Environmental Protection Agency (EPA) to comply with the Safe Drinking Water Acts Maximum Contaminent Level (MCL) for Arseni	In order to facilitate the consolidation of the three privately owned water systems by connecting to the City of Hanford water system, the following water supply and distribution system improvements will be needed:A.) Water Supply - Construction of a ne	2008	$1,920,000
30	C	25	19	DUNES APARTMENTS WATER SYSTEM	1500442	001	Arsenic in source water about 40 ug/L.	Consolidate with North Edwards WD.	2007	$300,000
30	C	40	19	FIRST MUTUAL WATER SYSTEM	1502569	001	Arsenic in source is above MCL.	Consolidate with Rosamond CSD.	2007	$125,000
30	C	47	19	NORD ROAD WATER ASSOCIATION	1502383	001	Arsenic above the new EPA MCL	Consolidation with the Vaughn water company	2008	$1,000,000
30	C	50	19	ROSAMOND MOBILEHOME PARK	1502232	001	The exisiting well system supplies 79 mobile home/RV spaces. Recently the pump failed and was replaced at a cost of approximately $8000. It took several days to locate and repair the system and tenants were compelled to use bottled water supplied by par	Contract with local water district to supply water to site location which is approximately 250 yards from main source. Engage local contractor to connect sytem and install individual sub meters. Upgrade underground water distribution system as needed. U	2008	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
30	C	60	14	LAKE MORENA TRAILER RESORT	3701760	003	our water system currently exceeds (460ppm) the MCL for Uranium (30ppm). we have had to notify customers of the violation and it has caused some concerned in our community. we have searched for better water but cannot locate any. we could install a centr	we had originally considered purchasing and installing a treatment system to reduce the uranium. there are several companaies on the market. the cost of maintenance, operaters and disposal would be too expensive for our income even if we raised water rat	2009	$100,000
30	C	68	19	FOUNTAIN TRAILER PARK WATER	1500461	001	Arsenic above MCL	Connection to North Edwards Water District (System no. 1510052)	2000	$181,425
30	C	80	19	OASIS PROPERTY OWNERS ASSOCIATION	1500585	005	Standby well has high nitrate and arsenic in excess of MCL. Main well is not reliable. No other sources of water available.	Consolidate with neighboring large water system. Run pipeline approximately 6000 feet. Replace distribution system piping, meters, and appurtenances to meet standards of East Niles CSD.	2007	$1,500,000
30	C	100	19	ROSE VILLA APARTMENTS	1500426	001	Water system has only one source. The sole source source is a well that produces water with arsenic in excess of the MCL.	Construct a 1000-foot 4 pipeline to connect water system to Rosamond CSD. Install a 2 master meter for apartment complex. Install two fire hydrants. Connect apartment complex to Rosamond CSD sewer main (requirement for water service).	2007	$590,500
30	C	597	19	NORTH EDWARDS WD	1510052	002	Interconnect Fountain Trailer Park to District to solve arsenic problem exceeding MCL.	Lay approx. one mile of 8" PVC main and construct storage tank.	2000	$181,425
30	C	16075	19	ROSAMOND CSD	1510018	007	Longview, Rose Villa, AV Mobile Estates, Rosamond Mobile Home Park, & First Mutual all have single source wells with Arsenic > 10ppb. Rosamond Mobil Home Park has Uranium that esceeds 20 pCi/L from a single source well. All are located within the genera	New piping, from 8 to 12 PVC will be installed to and within each system connection from the nearest RCSD piping location. Pressure regulators with flow control valves and monitors will be installed allowing connection to RCSDs SCADA system. Connecti	2008	$3,500,000
30	C	16075	19	ROSAMOND CSD	1510018	006	Fisher Memorial sits on foothill rock north of Rosamond Proper, with small single production well (24 gpm) & high arsenic. There are only individual private low production domestic wells in the area. Lands of Promise, also sits on rocky area, has 5 well	Lands of Promise will be connected initially with 3.2 miles of 12 PVC and DIP pipeline from an existing RCSD pipeline on Sweetser Road. Connecting to that pipeline at Tropico-Mojave Road and going north and then west to Fisher will be 5.3 miles of 12 D	2008	$5,300,000
30	P	1600	19	ROSAMOND SCHOOL WATER SYSTEM	1502231	001	Source water marginally in compliance with the new EPA arsenic MCL.	Develop intertie with Rosamond CSD.	2007	$950,000
25	C	30	19	HUNGRY GULCH WATER SYSTEM	1500436	001	Arsenic level in the systems wells exceed the current MCL	All groundwater wells will be pumped into a storage tank and then filtered to remove arsenic .	2006	$150,000
25	C	32	12	HARDWICK WATER GROUP	1600507	001	Uranium above MCL	Drill a new well and upgrade distribution system	2007	$1,328,100
25	C	35	19	FOURTH STREET WATER SYSTEM	1500449	002	Arsenic in source exceeds MCL.	Install arsenic treatment faciliuty.	2007	$65,000
25	C	120	19	AERIAL ACRES WATER SYSTEM	1500405	001	The system will not meet the new 10 ug/L federal arsenic standard.	Provide treatment to meet the new federal arsenic standard.	2005	$300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	175	18	Rancho Santa Rosa MHP	4900786	001	The arsenic concentration of the finished water exceeds the Federal Maximum Contaminant Level. Consequently, the system is in non-compliance for the primary arsenic standard. The system serves 82 residential connections and no commercial connections. T	The project will result in abandoning the current ground water source in favor of connecting to the City of Santa Rosa water distribution system. This will require construction of approximately 5,000 feet of 6-inch water line to connect the Rancho Santa	2008	$775,000
25	C	188	19	RAINBIRD VALLEY MUTUAL WATER COMPANY	1500393	001	Uranium exceeds MCL in Well 2, lack of back-up source.	Add one more well or upgrade back-up well (later been our priority). Other - Design/Construction	1998	$150,000
25	C	188	19	RAINBIRD VALLEY MUTUAL WATER COMPANY	1500393	003	The Rainbird Valley Mutual Water Company has two wells that are contaminated with levels of Nitrates and Uranium above the Safe Drinking Water Maximum Contaminant Levels (MCL) for those chemicals. Well #1 has levels of Nitrates at 57 ppm, above the 45 ppm	The Mutual serves water to this 83 home community in the Weldon area of Lake Isabella, Kern County. The area is located in Block Group 1 of Census Tract 52.02 and has a Median Household Income of $19,265. The proposed project will meet safe drinking wat	2008	$350,000
25	C	250	20	Saint Anthony Trailer Park	3301380	001	Violation of arsenic level standards-filtration device is needed to treat water and provide ongoing monorting.50 MCL was the arsenic maximum, St Anthony tested at 20 MCL, the new level is 10 MCL. We have exceeded the maximum arsenic levels by 10 MCL.	We will need treatment equipment and monitoring equipment will possible contruction of new distribution system to aid treatment equipment.	2007	$60,000
25	C	400	12	ALLENSWORTH C.S.D.	5400544	001	POSITIVE BACT TESTS, LACK OF WATER SOURCE RESULTING IN OUTAGES. (Reranked from E to G 2/19/02)	REPLACE WATER DISTRIBUTION SYSTEM, DRILL SECOND WATER WELL	1998	$115,000
25	C	600	19	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	005	Standby source unable to meet New EPA Arsenic and Uranium Standard of 10 ug/L	Install treatment to meet arsenic standard	2004	$850,000
25	C	650	12	SULTANA C.S.D.	5400824	001	The Sultana Community Services District serves the small Tulare County community of Sultana with drinking water. The District currently has two operable water wells. One of these wells, Well #2, exceeds the Maximum Contaminant Level (MCL) for DBCP. The	The proposed project is to acquire land, drill a test well and then drill a production well with storage facilities that would be tied into the communitys water system.	2008	$1,000,000
25	C	695	13	CSA 70 W-3 (Hacienda)	3600114	003	Well does not meet primary standards for gross alpha	Construct treatment system	2000	$300,000
25	C	1091	12	Alpaugh Joint Powers Authority	5410050	002	The Alpaugh Joint Powers Authority is supplied with water from 2 groundwater wells. The primary well is AJPA Well #1 which has arsenic concentrations in the range of 18 ppb. The secondary well is Alpaugh Irrigation District Well #10 which has arsenic co	The proposed arsenic treatment project is planned to treat water from both both AID Well #10 and AJPA Well #1 at the site of AJPA well #1 where storage facilities are available. The proposed method of treatment is coagulation filtration.	2008	$1,368,000
25	C	1091	12	Alpaugh Joint Powers Authority	5410050	001	Arsenic concentrations exceed federal MCL.	Construct treatment plant to remove arsenic from drinking water.	2005	$1,368,000
25	C	1499	12	Kettleman City CSD	1610009	005	Two wells exceed the federal arsenic level of 10 ppb.	Install a SWTP to replace the two wells.	2007	$4,725,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	2458	3	Clearlake Oaks County Water District	1710001	003	System exceeded DBP MCL in 2006; lacks necessary gas chlorination protection; disinfection inactivation achieved through pre-chlorination.	Eliminate pre-chlorination system; convert to liquid chlorine delivery system, add baffles to clearwell to increase contact time and UV disinfection	2008	$265,000
25	C	2723	12	Richgrove Community Services District	5410024	001	WELL 4 EXCEEDS DBCP MCL	EITHER DRILL NEW WELL OR INSTALL TREATMENT. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$2,500,000
25	C	2793	12	Pixley Public Util Dist	5410009	008	Pixley, a Disadvantaged Community, is a small town located along Highway 99 in southern Tulare County. The Pixley Public Utility District (District) provides water service to the residents of Pixley. The system is supported by four wells, three of which p	The feasibility study would evaluate the best option for a solution to the water quality problem. The study would evaluate the benefits and drawbacks between drilling new wells and storage facilities versus treatment systems. The project would include the	2008	$300,000
25	C	2793	12	Pixley Public Util Dist	5410009	002	Arsenic levels in Well 2A exceeds the federal MCL of 10 ppb	Install arsenic treatment	2007	$2,804,459
25	C	2793	12	Pixley Public Util Dist	5410009	009	Pixley, a Disadvantaged Community, is a small town located along Highway 99 in southern Tulare County. The Pixley Public Utility District (District) provides water service to the residents of Pixley. The system is supported by four wells, three of which	The proposed solution to the drinking water quality problems faced by all of Pixleys water sources is to drill two to three wells and build storage facilities. Prior to drilling of these wells, it is recommended that test wells be drilled. When previ	2008	$5,000,000
25	C	3000	12	Riverdale Public Utility District	1010028	002	PUD's existing three wells exceed revised (10 ug/L) Arsenic standard.	Plan, design and construct media filtration systems at each well.	2005	$5,300,000
25	C	7475	21	City of Live Oak	5110001	010	4 of 5 city wells exceed 10 ug/L arsenic standard	filtration & storage	2003	$4,000,000
25	C	7475	21	City of Live Oak	5110001	013	Well 5 has historically complied with arsenic and nitrate limits since it was originally drilled in 1983. Since the promulgation of the Arsenic Rule, however, the wells average raw water arsenic concentration of 22 ppb became out of compliance with the r	Treatment of Well 5s arsenic and nitrate is being investigated at a preliminary level. Current strategies call for Well 5s arsenic to be treated in kind with the Citys other wells currently in service, namely coagulation-filtration with a manganese dio	2008	$1,000,000
25	C	11847	12	Arvin Community Services Dist	1510001	002	Arsenic Concentrations exceed federal MCL for Wells 1, 5, 6, & 8.	Construct arsenic removal equipment at each well site.	2005	$5,000,000
25	C	12138	12	City of McFarland	1510013	002	System's most critical well (Garzoli Well) exceeds revised Arsenic MCL, and two other wells are old (48 and 52 years).	Provide wellhead treatment to remove Arsenic at Garzoli Well and construct a new well to replace the two aging wells.	2005	$2,000,000
25	N	50	12	CAL HOT SPRINGS RESORT	5400513	001	Arsenic above revised allowance limit	Filter system	2004	$200,000
20	C	30	19	BOULDER CANYON WATER ASSOCIATION	1500521	001	Arsenic exceeds MCL in source water.	Add arsenic removal treatment, consolidate with neighboring water system with same problem.	2007	$150,000
20	C	38	18	Shady Lane Mobile Home Park	4900801	001	My goal is to be hooked up to City Water. Abandoned contaminated Well.The project would consist of new sewer hook-up. New water hook up. New Water Meter(s). Engineering and Construction. Install water line, hydrants.Removal/rehandling of spoils g	My goal would be to up to City Water. Abandoned contaminated Well.	2007	$300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	51	18	NICASIO VALLEY RANCH MUTUAL	2100579	001	Current post-treatment arsenic levels exceed the Primary MCL. Secondary standards for iron, manganese, and color are exceeded as well. The complex water treatment system includes centralized, point-of-use, and point-of-entry components. Consequently, t	The goal of the project is to identify a new source for domestic water or for treatment of the exisiting source for arsenic removal. The project will include engineering, design, installation of treatment systems, or conveyance of new source water. The	2008	$500,000
20	C	62	18	Mount Weske Estates Mutual Water Company	4900643	001	High arsenic. Above MCL.	Engineering study, design and construction to determine optimum resolution of problem. For example: a) operate pump a different depth, b) connect to Windsor City water supply.	1998	$100,000
20	C	62	18	Mount Weske Estates Mutual Water Company	4900643	002	The Arsenic content exceeds the MCL of 50 ug/L & has done so ever since the water system was approved by the regulating authorities in 1974	Interconnect the distribution system with a supply pipe & a booster pump from the Town of Windsor Water District. The installation woul be very similar to that which Windsor already provides to the Shiloh system.	2009	$765,000
20	C	64	18	Moorland Avenue Apartments	4901195	002	New Arsenic Standards have been reduced to 10ug/l MCL. Water analysis results as of 06/13/07 resulted in 15.0ug/l level of Arsenic which is 50% above the current MCL.	Consolidation of the existing Moorland Avenue Apartments small water system with the City of Santa Rosa Water System because of compliance issues associated with the new lower arsenic standards. New Arsenic Standards have been reduced to 10ug/l MCL. Wat	2007	$161,337
20	C	75	18	Lancelot Mobile Home Park	4900855	001	WATER EXCEEDS FEDERAL MCL FOR ARSNIC. NO TREATMENT AT PARK.	CONNECT TO THE CITY OF SANTA ROSA AND MAKE NECESSARY DISTRIBUTION SYSTEM IMPROVEMENTS	2007	$260,000
20	C	75	19	PINON HILL WATER COMPANY	1500540	004	High arsenic in source water, exceeds MCL.	Install treatment or consolidate with neighboring utility, if possible.	2007	$200,000
20	C	130	18	Rancho De Sonoma	4900845	001	Arsenic level exceeds federal mcl. Park has no arsenic treatment.	Physical consolidation with the City of Sonomas water system. The estimated cost of project includes the connection fee to the City system and the construction cost to connect.	2008	$500,000
20	C	150	13	Roadrunner Mobile Home Pk	3601055	001	The water system for Roadrunner MHP currently services 59 mobile home spaces and 2 cottages. During the past 12+ months the uranium count contiuned to increase and has remained above recommended guidelines for the past several months. According to corres	Installation of a water filteration system located at the well pump and storage tank area. Due to the inability to secure an estimate prior to the application deadline the details of installing the filters is not available. However it was mentioned that	2007	$35,000
20	C	180	13	Keeler CSD	1400036	006	Average arsenic level in the Keeler Well Water for the years of 2002/2003 is 68 ppb, which exceeds the current MCL of 50 ppb	Construct a new well or water source or treatment that is affordable	2005	$1,000,000
20	C	192	19	MAHER MUTUAL WATER COMPANY	1500378	001	Our system well produces water exceeding the new federal arsenic MCL of 10 ug/L.	The Maher Mutual Water Company wants to resolve the issue of arsenic in well water by connecting to Vaughn Water Company which is located less than 1/2 mile away from the Maher Mutual Water Company. The project will need upgrading of the Maher MWCs dist	2008	$500,000
20	C	200	19	EL ADOBE POA, INC.	1500493	001	Arsenic levels above MCL	Blending or treatment	2007	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	820	12	Tranquillity Irrigation Dist	1010030	002	Arsenic levels in excess of the MCL in the drinking water for Tranquillity Irrigation District.	Installation of a treatment system to remove the arsenic from the drinking water .	2005	$1,750,000
20	C	1240	20	Riverside CSA #122-Mesa Verde	3310028	001	Insufficient supply well and storage reservoir capacity. Groundwater source water quality violations. System delivering water containing high fluoride.	Construct a new supply well, filtration treatment units, storage reservoir, and a transmission main pipeline connection to the Riverside County Airport-Blythe.	1998	$2,000,000
20	C	1266	12	Buttonwillow CWD	1510011	002	Well 4 exceeds arsenic federal MCL of 10 ug/L.	Treatment plant for the removal of arsenic or installation of 10" pipeline to enable water system to blend the water with other wells in the system.	2005	$775,000
20	C	1785	2	Plumas Eureka CSD	3210011	002	Each of the District's wells has exceeded the current federal MCL for arsenic of 0.010 mg/L in past monitoring.	Design and install treatment to reduce the level of arsenic at both wells below the current MCL of 0.010 mg/L.	2005	$30,000
20	C	2000	14	Seeley CWD	1310013	002	The SCWD is a small community water system that supplies water for domestic purposes to approximately 2,500 permanent residents through 484 service connections. The water system operates 24 hours daily based on system demand.On February 9th, 2007, the S	All of the proposed work will be located at the existing water treatment plant. The project will include the installation of piping to place the storage tanks in series, aerators in the raw water ponds, pressurized pre-filters and pumps. Also included in	2008	$460,000
20	C	3006	11	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007	005	Arsenic and Uranium in 2007 wells	Treatment for arsenic and uranium	2007	$4,800,000
20	C	3239	12	Armona Community Services Dist	1610001	007	Arsenic levels in excess of the MCL for drinking water.	Pressure filtration using manganese green sand with an oxidant or using granular ferric hydroxide as an adsorptive process using ferric-based media to adsorb arsenic and other heavy metals.	2005	$2,000,000
20	C	4575	10	Keyes Community Services Dist	5010009	004	The District has four groundwater wells which provide 100% of the water for the District. These four wells have arsenic concentrations ranging from about 12 ppb to 19 ppb. In order to meet the new arsenic concentration of 10 ppb, the District needs to e	The District proposes to install well head treatment (arsenic removal) at three of the existing wells with the fourth wells water being pumped to one of the wells that will have treatment. Above ground storage tanks and booster pump systems will be inst	2008	$13,000,000
20	C	5200	3	Lakeport, City of	1710004	002	Lead and copper rule compliance. Exceeded actions level for copper.	Provide pH/corrosion control facilities.	1998	$120,000
20	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	006	The Sonora Surface Water Treatment Plant produces water that does not comply with the MCL's in the Federal Disinfectants/Disinfection Byproducts Rule. In addition, the plant is hydraulically overloaded during peak demand periods. Furthermore, the flocc	Construct a new surface water treatment plant.	2003	$19,000,000
20	C	16349	12	Avenal, City of	1610002	001	CANNOT MEET PROPOSED THM STD. DUE TO HIGH TURBIDITY LEVELS IN THE LOCATION OF THE TURNOUT FROM THE SAN LUIS DAM	Planning, design and construction of an ammonia injection system to convert from free chlorine disinfection to chloramine disinfection.	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	P	320	12	CENTRAL UNION ELEMENTARY	1600008	001	Arsenic exceeds Federal MCL	Arsenic Treatment or New Source	2007	$500,000
15	C	42	11	BASS LAKE ANNEX #3	2000501	001	Elimination of uranium and gross alpha from water per Title 22, California Code of Regulations, Section 64442	The water company is currently investigating the procedures and equipment to complete treatment required and determine the cost thereof.	2008	$500,000
15	C	45	3	Sunrise Shore Mutual Water Company	1700536	002	System's single source well produces water that exceeds aluminum MCL	Develop new source well or install treatment on existing well	2003	$250,000
15	C	50	19	ROUND MOUNTAIN WATER COMPANY	1500561	001	Uranium in source exceeds MCL	Study/design/construct treatment/blending.	2007	$60,000
15	C	100	11	MD#42 STILL MEADOW	2000737	001	Well exceeds the revised arsenic MCL of 10 ppb.	Construct a water treatment plant to remove arsenic.	2007	$608,000
15	C	150	9	WILLOW BERM MARINA	3400167	001	The problem is the ansenic level is above new EPA drinking water standards in the willow berm marina water system.	The project will enable the willow berm marina to ensure the ansenic levels in the water system are reduced to below the current or future EPA standards for ansenic.	2008	$500,000
15	C	210	19	Lands of Promise Mutual Water Associatio	1500424	004	The Lands of Promise water system is a rural water system supplied by 6 small wells. The community is located about 3 miles west of Rosamond in southern Kern County. All six of the community wells exceed the Arsenic maximum contaminant level of 10 ppb.	Lands of Promise is a small, rural, water system that fails to meet the Arsenic MCL on all six of their wells. The Mutual proposes to build an arsenic treatment plant(s) to provide clean water. A new storage and a distribution system is needed to convey	2008	$1,500,000
15	C	250	13	CROWLEY LAKE MUT. WATER DIST.	2600546	001	Only well contaminated with uranium above MCL. System experienced water outages in past. Water outages are currently avoided by using well contaiminated with uranium.	Investigate new well sites, review system operations, determine system needs, prepare construction loan applications.	2000	$300,000
15	C	336	21	Sutter Co. WWD#1 (Robbins)	5100107	002	Sutter County WWD#1 is currently in violation of federal Arsenic Rule due to the exceedance of the maximum contaminant level for arsenic. The treated water from the system results in 20 ug/L exceeding the limit of 10 ug/L or less.The system is also in v	The district proposes two projects to reduce maximum contaminant levels. The first project will consist of extending the existing well depth to introduce a new source aquiferThe second project will consist of installing a new arsenic removal media based	2007	$165,000
15	C	450	13	CSA 70F, Morongo Valley	3600226	002	Well does not meet drinking water standard for uranium	Construct treatment system to remove uranium	2000	$300,000
15	C	500	11	Broadview Terrace Mutual Water Company	2000521	002	The water supply is contaminated with gross alpha and uranium levels that exceed the MCL's.	Construct a new well and/or install treatment facilities.	2002	$500,000
15	C	740	19	PINON PINES MWC	1510054	001	Fluoride level in the newly developed well necessary to maintain increasing demand are above allowable MCL of 2 mg/L	Reduce fluoride levels by blending with the existing wells that have fluoride levels below the MCL.	2005	$150,000
15	C	820	6	Cuyama Community Services District	4210009	002	Water supply will not comply with proposed MCL for Arsenic if below 20 ppb.	Provide arsenic removal treatment.	2003	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	1500	7	LAND PROJECT MUTUAL WATER CO.	1910246	002	The community water system has four groundwater wells that supply approximately 500 service connections. As of June 18, 2007, all four wells exceed the arsenic MCL, ranging from 8.6 ug/l to 20 ug/l, and have since 1998. There are no current arsenic violat	The system has several options including: Installing transmission piping to interconnect old wells with potential new well(s) to provide blending;Installing new wells that are potentially in compliance with MCLs;Or installing arsenic treatment such as	2007	$750,000
15	C	3000	13	BRIDGEPORT PUD	2610003	002	Arsenic level in twowells are high (0.039 mg/l)	Install treatment system to meet future MCL.(2006)	2005	$500,000
15	C	3006	11	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007	006	Treatment for Uranium: On September 8, 1997, the Department of Health Services (DHS) issued Hillview Compliance Order No. 03-11-970-002 for failure to comply with the Uranium Maximum Contaminant Level and failure to insure that customers are provided wit	The Oakhurst/Hillview Water system is currently under a compliance order for Uranium & Arsenic for the water produced in this area. A project bringing on 7-800 gallons per minute of new source out of five new wells, including the raw water line to the cur	2007	$1,995,000
15	C	28000	19	INDIAN WELLS VALLEY W.D.	1510017	003	Five of the twelve wells in our system currently exceed the 10 ug/L arsenic MCL, which equates to 26% of the water distributed in the service area during the 2001 calendar year.	Installation of arsenic filtration equipment or treatment facilities.	2004	$1,000,000
15	C	121420	20	Elsinore Valley MWD	3310012	006	Intermediate ozonation at Canyon Lake WTP to meet ESWTR. System has failed the THM standard and has high THM at the treatment plant.	See attached sheet	1998	$1,800,000
15	P	300	12	OAK VALLEY SCHOOL	5400713	001	The average arsenic levels from the last five tests is approximately 18. Because the MCL was lowered from 50 ppb to 10 ppb, our water is now above the prescribed MCL. We have looked into treatment possibilities, but we have been told that this would be	The proposed project will include the drilling of a test well, which would determine if there is an adequate supply of potable water to meet the demands of our schools water system. Following the test well, if it is determined that a successful producti	2008	$850,000
15	P	300	12	ISLAND UNION SCHOOL	1600017	002	Arsenic exceeds the Federal MCL of 10 ppb.	Arsenic Treatment or New Source	2007	$250,000
15	P	500	12	PALO VERDE SCHOOL	5400519	001	Palo Verde Schools well has historically tested high in arsenic levels. Recent tests in 2005 and 2007 have shown arsenic levels at 10ug/L, and the school has been advised to start doing quarterly testing, and it is anticipated that quarterly testing wil	Palo Verde Schools water well has shown varying results in levels of contamination, and this project would allow the school to determine what level of contamination is present and what level of remediation needs to be undertaken. The school will proceed	2008	$900,000
10	C	55	5	DESMOND RD WS #03	2700547	001	Well exceeds chromium and cadmium MCL.	Replace well. This would involve study, design, and construction.	2000	$50,000
10	C	63	19	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455	001	Arsenic in source water at 16 ug/L.	Install cartridge type arsenic removal system.	2007	$187,000
10	C	80	19	OASIS PROPERTY OWNERS ASSOCIATION	1500585	003	Arsenic Level in the main well (Well 03) is close to the new federal arsenic MCL of 10 ug/L.	Treatment or consolidation with a nearby water system.	2006	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	120	19	AERIAL ACRES WATER SYSTEM	1500405	003	Failure to meet the Arsenic Safe Drinking Water Standard of 10 PPM. Well #1 has an arsenic level of 24 ppm and well #2 has an arsenic level of 27 ppm. These water supplies violate State and Federal safe drinking water standards. The Mutual has no othe	Installation of a water treatment system to remove Arsenic from the systems two wells. A building will be installed to protect the treatment system from the heat and freezing temperature extremes of the desert. The The Mutual also plans to install ab	2008	$600,000
10	C	130	11	MD#06 LAKE SHORE PARK	2000550	001	SYSTEM WELLS EXCEED THE ARSENIC, URANIUM AND RADIUM MCLs.	CONSTRUCT A WATER TREATMENT PLANT TO REMOVE THE CONTAMINANTS.	2007	$729,600
10	C	140	14	LOS TULES MUTUAL WATER COMPANY	3700958	003	The Los Tules Mutual Water Company (LTMWC) has been given a compliance order from the County fo San Diego Department of Environmental Health because water quaility tests indicate that the gross alpha particle activity and uranium in our primary wells exce	To reduce the high concentration of uranium in our existing wells/water, it is our plan to locate and drill one or more new wells and, if necessary based on output, use a blended water approach. Phase #1 funds would be used to hire a hydrogeologist to	2008	$300,000
10	C	200	11	MD#07 MARINA VIEW HEIGHTS	2000551	002	SYSTEM WELLS EXCEED THE URANIUM MCL.	CONSTRUCT A WATER TREATMENT PLANT TO REMOVE URANIUM.	2007	$608,000
10	C	210	19	Lands of Promise Mutual Water Associatio	1500424	002	Arsenic in source water at 13 ug/L.	Install arsenic removal facility.	2007	$850,000
10	C	225	11	SIERRA LINDA MUTUAL WATER CO	2000506	001	Main well exceeds the uranium MCL. Also, the system has insufficient source capacity.	Drill a new well.	2003	$25,000
10	C	264	11	MD#08 NORTH FORK WATE SYSTEM	2000561	001	Well exceeds the revised arsenic MCL of 10 ppb.	Construct a water treatment plant to remove arsenic.	2007	$650,000
10	C	300	21	PlaVada Community Association	2910011	001	Wells water exceeds arsenic MCL of 10ppb	Plan, design, and construct arsenic project	2007	$500,000
10	C	597	19	NORTH EDWARDS WD	1510052	003	System will exceed the new federal arsenic standard of 10 ug/L.	Connect to Antelope Valley East Kern Water Agency (AVEK) or alternate arsenic water treatment	2005	$400,000
10	C	3900	19	MOJAVE PUD	1510014	001	Existing water wells in Cache Creek currently blend the groundwater together and provide water to Mojave. The blended water quality exceeds the new federal arsenic MCL of 10 ug/L	Construction of a new well and blending the new well water with the existing wells to reduce the arsenic level in the water.	2006	$750,000
10	C	4575	10	Keyes Community Services Dist	5010009	003	Four wells exceed new arsenic MCL of 10 ppb. Verified by 4 quarters of monitoring.	Drill new wells or install arsenic removal treatment.	2007	$13,000,000
10	C	5000	11	HILMAR COUNTY WATER DISTRICT	2410012	002	Three wells exceed the new arsenic MCL of 10 ppb.	Drill new wells or install arsenic removal treatment facilities.	2008	$3,500,000
10	C	5000	11	HILMAR COUNTY WATER DISTRICT	2410012	003	The District presently has two wells (which provide 100% of their water) with arsenic concentrations that exceed 10 ppb.	The District intends to install an above ground storage tank and arsenic removal equipment.	2008	$3,500,000
10	C	6082	10	Hughson, City of	5010008	003	The City provides potable water service by extracting from the Turlock groundwater basin via five groundwater wells distributed throughout the City. The firm combined well capacity of these existing wells (four active and one out of service or in standby	The capacity of TID Turnout No. 2 would be 2.0 MGD. The turnout would consist of a new reinforced concrete vault, flow meter, chlorine residual analyzer, flow control valve, piping, valves and sitework. The interconnection location is at the site of a p	2009	$366,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	6082	10	Hughson, City of	5010008	008	The City of Hughson provides potable water service by extracting from the Turlock groundwater basin via five groundwater wells distributed throughout the City. Well No. 6 is one of the five groundwater well sources in the City. It has an average arseni	To comply with the new arsenic standard for Well No. 6, a coagulation and filtration system with a 100,000 gallon buried reinforced concrete backwash tank, two 15 HP backwash return water booster pumps and yard piping is proposed. Site improvement work	2008	$2,962,000
10	C	6082	10	Hughson, City of	5010008	005	The City provides potable water service by extracting from the Turlock groundwater basin via five active groundwater wells distributed throughout the City. The firm combined well capacity of these existing wells (four active and one out of service or in	The capacity of TID Turnout No. 3 would be 2.0 MGD. The turnout would consist of a new reinforced concrete vault, flow meter, chlorine residual analyzer, flow control valve, piping and valves and site work. The interconnection is in eastern Hughson and	2010	$378,500
10	C	16075	19	ROSAMOND CSD	1510018	004	Rosamond CSD has four wells and all of them are 10 ug/l or higher for arsenic, thereby exceeding the new federal arsenic MCL of 10 ug/L	Install package arsenic removal plant at one well that will be used to remove arsenic from water of two wells (Wells 8 and 9). Blend this water with other well water to get arsenic level below 10 ug/L.	2006	$950,000
10	C	16075	19	ROSAMOND CSD	1510018	005	Well #7 water exceeds MCL for arsenic.	Design and construct arsenic removal treatment system.	2007	$220,000
10	C	50530	12	Hanford, City of	1610003	003	Eighteen of the City's nineteen wells will exceed proposed 10 ug/L arsenic MCL.	Design, purchase and installation of wellhead treatment at each well site.	2004	$8,000,000
5	C	128	12	FCWWD #40/SHAVER SPRINGS	1000042	001	Water produced by system's well exceeds Uranium MCL. Well yield has declined and does not meet current demand.	Identify suitable well, acquire water rights to the well and construct a pipeline to the system.	2006	$400,000
5	C	140	14	LOS TULES MUTUAL WATER COMPANY	3700958	002	Radiological contamination exceeding State primary MCL	New well or design & construct treatment	2007	$250,000
5	C	225	11	SIERRA LINDA MUTUAL WATER CO	2000506	002	Our system exceeds the acceptable State maximum levels of Arsenic and Uranium. Also, we do not have sufficient water supply to currently meet the demand and this part of the problem will only get worse as more building occurs. We are currently under an	Construction of a new well, new power panel and powerline, water pump and water line.	2008	$70,000
5	C	300	12	SO KAWEAH MUTUAL WATER CO	5400754	001	Arsenic content averages 12 ppb. Funding request is to treat the water from three wells to less than 10 ppb arsenic.	Water supply for the South Kaweah Mutual Water Company comes from three hard rock wells. Average long term arsenic content of the water is 12 ppb. The project is to install treatment at the well sites to remove 2 ppb of arsenic from the supply water. T	2008	$40,000
5	C	300	11	Yosemite West Water System	2210924	002	EXCEED THE COPPER ACTION LEVEL IN THE DISTRIBUTION SYSTEM.	CONDUCT A STUDY, DESIGN AND CONSTRUCT TREATMENT FACILITIES TO ELIMINATE THE HIGH COPPER LEVELS IN THE SYSTEM.	1998	$75,000
5	C	2500	19	BORON CSD	1510002	001	Arsenic in the system wells is above the new federal MCL of 10 ug/L,	Arsenic Removal treatment, AVEK water is currently available as a secondary source with low arsenic	2007	$663,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	25	20	ROYAL CARRIZO HOA	3301588	001	Royal Carrizo HOA is a small water system serving 19 homes in the mountains south of Palm Desert. We are, and have been for several years, in violation of MCL for uranium drinking water standard on all of our wells (including our newest well drilled at a	There are two primary ways the uranium problem can be solved: Point-of-Use (POU) devices and Large Scale reverse osmosis treatment. Our request in this application (Point-of-Use--Alternative 1) is more cost-effective since it is the cheaper option but pr	2008	$30,000
0	C	30	19	Quail Valley Water Dist-Eastside System	1502724	001	Source water exceeds MCL for arsenic.	Drill new well or install treatment to remove arseinc.	2007	$500,000
0	C	30	6	MUSTANG SPRINGS MUTUAL WATER	4000775	001	Well exceeds the fluoride MCL. Reverse Osmosis system installed, because of water quality and design of system consistent water quality hard to maintain.	Design problems need to be assessed or provide new treatment for fluoride	2002	$50,000
0	C	32	12	HARDWICK WATER GROUP	1600507	002	The community of Hardwick is located in the northeastern portion of Kings County about 5 miles west of the intersection Excelsior Road and State Highway 43. The 2000 census for the area, which includes Hardwick (Kings County Census Tract 1, Block Group 1	The proposed project will consist of the drilling of a water test well to determine the availability of an adequate supply of potable water for the residents of the community of Hardwick. If the test well is successful, a production well would be drilled	2008	$1,328,100
0	C	39	19	Quail Valley Water Dist-Westside System	1503226	001	Source water exceeds arsenic MCL and antimony and fluoride	Drill new well or install treatment.	2007	$500,000
0	C	42	19	GOSFORD ROAD WATER COMPANY	1502622	001	System has only one source. The well produces water with arsenic above the MCL. Arsenic monitoring results have been 11 to 14 ug/L, above the MCL of 10 ug/L.	Construct a new well. Construct a treatment facility to remove arsenic from the water produced by the new well, if necessary. Maintain the ability to treat either the new well or the existing well, or both.	2008	$1,200,000
0	C	50	19	PANAMA ROAD PROPERTY OWNERS ASSOC	1502465	001	Potential problems with arsenic contamination, and storage volume.	Arsenic removal equipment. and adddition of 30,000 gallons of storage with booster pump.	2009	$100,000
0	C	60	19	BONANZA FARMS WATER SYSTEM	1502482	001	Arsenic above the State MCL of 50 ug/L and fluoride above the MCL	Treatment for arsenic and fluoride	2008	$500,000
0	C	75	5	VIERRA MEADOWS MWC	2702003	002	Vierra Meadows Mutual Water Co. has 2 ground water wells. They are both contaminated with Arsenic, a primary constituent. They are also over the secondary MCL for Iron and Manganese. The Arsenic levels range up to 84 ug/l and fluctuate by the season. Iron	Due to the geographical location of Vierra Meadows Mutual Water Co. , consolidation is not feasible. We have chosen an adsorbtion method of removing Arsenic since disposal of Co-precipitated Arsenic is too expensive. We propose to install a greensand Iron	2008	$75,000
0	C	81	5	LANGLEY/VALLE PACIFICO WS	2701670	002	The wells that provide water to the Langley/Valle Pacifico system all contain arsenic. The largest and primary well has arsenic levels that exceed action levels. These levels constitute a clear threat to the health and safety of the residents of the a	The proposed project will include the drilling and development of an offsite well and a delivery pipeline to provide an alternative source of water for the Langley/Valle Pacifico system. The project will include additional storage tanks and not more than	2008	$480,000
0	C	87	5	VISTA DEL TORO WS	2700799	002	Arsenic and cadmium over MCL	treatment for Arsenic and cadmium removal	2007	$120,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	100	11	MD#42 STILL MEADOW	2000737	002	System arsenic levels have exceeded the MCL of 10 with a current level detected at 18.55 ppb. System also exceeds MCL of 15 pCi/L for Gross alpha, system is currently at 15.73 pCi/L. System also violates secondary standards for iron and manganese. Iron MC	Install iron and manganese removal plant. Install throw away absorbant arsenic removal as recommended by previous study. Drill high production well and install new tank and well controls. Replace current distribution system and storage tank.	2008	$1,200,000
0	C	100	20	La Pena Housing Facility	3302069	001	The system violates the fluoride MCL. We are being required by Riverside County fire dept. to have 60,000 gal water availability for fire protection since our ranch is in rural area; our present system may not accomadate.	Construct a well and 60,000 gal storage tanks and install a fire pump for required pressure.	1998	$34,400
0	C	120	6	BOBCAT SPRINGS MUTUAL WATER CO	4200891	002	Main well exceeds Arsenic MCL.	Treatment Plant to reduce the arsenic concentration below 10 ppb.	2003	$150,000
0	C	120	19	LAKEVIEW RANCHOS MUTUAL WATER	1500525	001	As a result of Prop 84 our water quality no longer complies to newly enforced standards with regard to arsenic content.	The project includes the instalation of monitoring and treatment equipment and the construction of an additional pipe distribution system to existing storeage tanks.	2007	$400,000
0	C	130	11	MD#06 LAKE SHORE PARK	2000550	002	Problem Description System is exceeding MCL for gross alpha MCL is 15 pCi/L and current level is at 268.77. System is also exceeding MCL for uranium MCL is 20 and current level is 301.7. System is also exceeding MCL for arsenic the MCL is 10 ppb and cur	Install arsenic removel plant. Install gross alpha and uranium removel plant. Drill high production well and install new tank and well controls	2008	$1,300,000
0	C	140	5	Hollister Ranch Estates	3500904	001	Well water has high radioactivity.	drill a new well or install treatment	2002	$200,000
0	C	150	12	TRAILER ISLE PARK	5400629	001	The Trailer Isle Mobile Home Park provides water to its residents near the unincorporated Tulare County community of Three Rivers in the Sierra Nevada foothills. The water system has one well which exceeds the Maximum Contaminant Level (MCL) for arseni	The proposed Feasibility study would include an analysis of options to provide a reliable source of potable water for the Trailer Isle MHP. In order to determine if a sufficient supply of potable water can be found, at least one test well would be drille	2008	$100,000
0	C	150	11	MD#24 TEAFORD MEADOW LAKES	2000552	001	Well No. 2 does not meet the revised arsenic MCL of 10 ppb.	Construct a new well and storage tank.	2007	$500,000
0	C	200	11	MD#07 MARINA VIEW HEIGHTS	2000551	003	System is currently exceeding the MCL of 15 pCi/L for gross alpha current level is at 201.5. System is exceeding MCL of 20 pCi/L for uranium current level is at 236. System is very close to exceeding Arsenic MCL of 10 ppb current level is at 9.8 . Water	Install arsenic, gross alpha and uranium removal plant. Drill high production well and install new tank and well controls. Replace current distribution system and storage tank. Drill high production well and install new tank and well controls.	2008	$1,200,000
0	C	200	19	DE RANCHO Y MOBILE VILLA WATER	1500380	002	Our system well has arsenic more than the new EPA MCL of 10 ug/l	as part of this project we will have a permanent connection with California Water Service Company - Bakersfield Domestic Water System. The project will include less than 1000 feet of pipe line, a master meter and distruction of the existing water well.	2008	$50,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	200	9	OXBOW MARINA	3400332	001	The EPA has set the arsenic standard for drinking water at 0.010 parts per million (10 parts per billion) to protect consumers served by public water systems from the long-term, chronic exposure to arsnenic. The Oxbow Marina Water Company currently has w	The first phase of the Project will be Preliminary Engineering to assess possible solutions. This will include various solutions acceptable to the regulatory agencies and a preliminary costing of alternatives, including initial construction and cost of o	2008	$600,000
0	C	258	20	Sunbird MHP,c/o Hawkeye Asse	3301755	001	Sunbird Mobilehome Park services approxamently 300 people. We have tested for arsenic annually, we are currantly above the allowed mcls. Over the past 20 years of testing we are anywhere between 10 mcls-18mcls. With the new federal standards at 10mcl	The preferred project would be to consolidate with the CVWD. The project would consist of installing an appropriately sized transmission line form the nearest viable connection point as identified by CVWD, installed in county right of ways. And replace	2008	$2,000,000
0	C	264	11	MD#08 NORTH FORK WATE SYSTEM	2000561	002	System is currently exceeding MCL for arsenic of 10ppb with a current detection level is 12.43ppb. The system has significant infrastructure failure and does not meet fire flow and fire storage requirements.	Install oxidation with hypochlorite, co-precipitation with ferric chloride followed by filtration for arsenic removal. Drill new high production well. Replace parts of distribution system and storage tank to meet fire flow requirements.	2008	$1,000,000
0	C	300	14	HEAVENLY OAKS	3700071	001	We have been instructed to Sample for Gross alpha quarterly. The samples have came back high.Our readings are :Date GA Results 5/23/2006 2.38pCi/L09/12/2006 17.1pCi/L12/04/2006 18	We currently have 2 operating wells and a third well that is not in operation. We propose drilling a new source water well. Well 1 is our well with GA problems. Well 2 has excellent water quality, but its production is not sufficient. We plan on Drilling	2007	$50,000
0	C	344	19	RAND COMMUNITIES CWD - RANDSBURG	1510016	004	Funding for arsenic treatment: Well #1.	We need to construct an arsenic treatment plant on our Well number 1.	2008	$500,000
0	C	600	19	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	006	Historically Edgemont Acres has used well water to supply their shareholders' household needs. Over the past several years, the Federal Government has placed tighter restrictions on potable water quality. The particular concern for Edgemont Acres' well w	There is a two stage approach to the defined problem. The first stage is to install a culinary water delivery system with an imbedded metering capability. The existing system which includes two storage tanks, two wells, and the community fire system will	2007	$850,000
0	C	800	11	Sandy Mush Detention Center	2400172	002	Arsenic levels in all three groundwater wells that serve the Countys Juvenile Justice and Adult Correctional Facilities currently range from 15 ppb to 49 ppb. These levels exceed the new Federal Maximum Contaminant Level (MCL) for arsenic, which was re	The site consists of two separate correctional facilities (juvenile & adult) that are served by a total of three wells and three 100,000 gallon storage tanks. All three wells produce water with elevated levels of arsenic. Two looped 8 inch (8) water ma	2008	$1,113,670
0	C	860	19	DESERT LAKE COMM SERV DIST	1510027	001	Arsenic above the new EPA MCL	Treatment for arsenic	2008	$500,000
0	C	1500	12	Pratt Mutual Water Co	5410033	004	The Pratt Mutual Water Company provides domestic water to the unincorporated Tulare County community of Matheny Tract located south of the City of Tulare. The water system serves approximately 300 residences. The system is supplied by three water wells.	The proposed project would provide an intertie with the City of Tulare. There would be a likelihood of multiple connection points and a looping of the system to provide adequate flow and pressure to the customers in Matheny Tract. Potentially another we	2008	$5,000,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	4417	11	DOS PALOS-CITY	2410002	002	The City has a surface water treatment plant that treats water from the California Aqueduct. The existing plant is very old and is in need of replacement so that it can continue to meet State standards for water quality.	The proposed project would replace the existing out dated water treatment system with a new facility	2008	$5,000,000
0	C	5412	17	Montara Water and Sanitary District	4110010	035	The District obtains 60 percent of its potable water from three underground wells at the Half Moon Bay Airport. These wells are contaminated with nitrates, TCP, manganese, and high corrosivity with danger of being taken off line for lack of compliance wi	The proposed project will include installation of a Facility to treat up to 200 gpm groundwater pumped from three existing water production wells at the Airport to bring them into compliance with all State and Federal requirements. The Facility will incl	2007	$1,515,000
0	C	7750	18	Sebastopol, City of	4910011	003	Two of the City's four wells have arsenic levels above 10 mg/L	Install Arsenic treatment	2005	$50,000
0	C	8538	11	BAKMAN WATER COMPANY	1010001	002	Well 13 is contaminated with DBCP.	Install a GAC treatment system on Well 13.	2005	$573,430
0	C	8646	13	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	005	Problem:The Helendale Community Services District assumed operations from the County of San Bernardino Special District's Department on April 1, 2007. The water supply consists of seven production wells. There are three main production wells that excee	Problem:The Helendale Community Services District assumed operations from the County of San Bernardino Special District's Department on April 1, 2007. The water supply consists of seven production wells. There are three main production wells that excee	2008	$2,750,000
0	C	12427	10	CITY OF LATHROP	3910015	003	Arsenic in existing City wells above new MCL	Design and construct Arsenic treatment for Lathrop wells.	2004	$7,500,000
0	C	66000	10	MANTECA, CITY OF	3910005	002	Wells 5 and 9 have been abandoned due to the cost of installing arsenic treatment and security upgrades combined with the age (remaining useful life) and capacity of the two wells. Well 5 also has elevated nitrate that required continuous monitoring to a	The project involves construction of new well to replace the two abandoned wells. Tentative location is the Southside Park. The project will involve the following three phases, a test well, a production well and the well improvements. The test well to	2009	$2,000,000
0	C	94370	6	CITY OF SANTA BARBARA WATER DEPARTMENT	4210010	004	The historical DBP data from the existing sample sites shows that when the LRAA goes into effect, the City of Santa Barbara (City) and districts will be out of compliance with Stage 2 DBP Rule. The City has LRAA compliance numbers as high as 120 ug/l. W	Ozone/CO2 addition to the Cater Water Treatment PlantWithout the addition of the Ozone process to Cater Water Treatment facility, the City of Santa Barbara (City), Montecito Water District and Carpinteria Valley Water District face non-compliance with t	2007	$14,400,000
0	C	107323	16	DOWNEY - CITY, WATER DEPT.	1910034	005	Refinance. Wells 20 and 21 produced poor water quality (VOC).	Constructed replacement Well #11.	1998	$901,350
0	P	100	5	SAN BENANCIO SCHOOL WS	2701227	003	San Benancio Middle School is located in a rural setting in the Corral de Tierra area of Monterey County. It serves 327 students. Due to several water quality problems this school is currently under a compliance order from the Monterey County Health Dep	Design and install treatment for Arsenic removal and reduction of Copper levels below MCLs $250,000Engineering Work $ 30,000Monitoring equipment $ 5,000Total Project Cost $285,000	2008	$285,000

SRF Category G

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	P	250	5	WASHINGTON SCHOOL WS	2701221	002	Washington Union School is located in a rural setting in the Corral de Tierra area of Monterey County. It serves 224 students. Due to several water quality problems this school is currently under a compliance order from the Monterey County Health Depart	Drill and construct a new well to current drinking water standards. Test for primary and secondary constituents. It has been demonstrated that the Arsenic MCL will not be mitigated by drilling a new well. Cadmium, Coliform and TTHMs may be reduced in	2008	$455,000
0	P	800	19	LAKESIDE SCHOOL	1502154	001	Arsenic in source exceeds MCL.	Design/build arsenic treatment.	2007	$200,000
0	N	40	11	SHADY OAKS MOBILE HOME PARK	2000828	001	Contaminants have been discovered during routine testing. Laboratory testing showed higher than normal levels of Uranium putting water system out of local compliance.	Installation of treatment, filtration, and monitoring equipment capable of handling a 60 gpm facility.	2007	$35,000
0	N	50	5	CHURCH OF THE GOOD SHEPHERD WS	2702050	002	Water System is contaminated with arsenic, and is therefore a hazard for anyone to drink, and even use to any great extent.	We are planning on fitting our system with a Culligan ASM2-2 lead/lag configuration Arsenic Exchange Tank SystemIncludes totalizing water meter, 20” pre sediment filter, pressure gauges, sample ports, and piping. We will then have an Independent Testing	2008	$13,000
0	U	0	9	South Tahoe Public Utility District - Re	0990002	001	Water quality measured over the last several years indicates that groundwater at STPUD Arrowhead Well No. 3 has arsenic concentrations that exceed the 0.010 milligrams per liter (mg/L) National Primary Drinking Water Standard Maximum Contaminant Level (MC	The project is a 1,000-gallon per minute (gpm) arsenic treatment facility for the South Tahoe Public Utility District (District) to treat groundwater from the existing Arrowhead Well No. 3. The design basis for the facility was based on pilot testing resu	2007	$3,062,070

Total Projects for 'Category' = G (174 Projects) **Total Costs for Category:** ***$239,787,166*** **Total Population served in Category:** ***818,841***

SRF Category **H**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	60	13	Darwin Community Services District	1400098	003	Low head transmission line	Replace transmission line	1998	$1,000,000
25	C	1390	10	C.C.W.D., West Point	0510005	002	See Attached	Construction of two new treated water storage tanks	2002	$1,403,000
20	C	26299	21	Paradise Irrigation District	0410007	001	The District's "B" Reservoir is a hypalon-covered reservoir that needs to be improved or replaced.	Remove "B" reservoir and install new 10 MG reservoir.	1998	$6,600,000
20	C	28500	20	Banning, City of	3310006	001	System has 16,000 L.F. of low head transmission main.	Replace the entire 16,000 L.F. of 18" and 20" with a new 20" C.M.L.C. pipe.	1998	$2,000,000
20	C	28500	20	Banning, City of	3310006	003	Potential for water outages due to aged transmission line and storage tank.	Pipeline and storage tank replacement	2002	$10,000,000
15	C	400	12	SEVILLE WATER CO	5400550	001	DUE TO OLD DETERIORATING DISTRIBUTION LINES, NUMEROUS WATER OUTAGES HAVE OCCURRED DUE TO LEAKING PIPES.	REPLACEMENT OF THE ENTIRE PLUMBING SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$300,000
15	C	950	2	Leavitt Lake CSD	1810004	001	Existing wood-framed reservoir cover is structurally failing and is expected to collapse.	The District would like to put in an above ground storage tank of approximately 300,000 gallons capacity.	1998	$250,000
5	C	76	16	LITTLE BALDY	1900158	002	DISTRIBUTION SYSTEM CONSISTS OF 10 INCH CONCRETE IRRIGATION PIPE INCAPABLE OF SUSTAINING PRESSURIZED FLOW. FLOWS UNDER GRAVITY AND LOW HEAD CONDITIONS.	EXPOSE OLD LINE, REPLACE WITH NEW 6 INCH PVC SCHEDULE 90 PIPE, AND REFILL TRENCH.	1998	$1,050,000
5	C	27199	2	Placer CWA - Auburn/Bowman	3110005	002	Reservoir has flexible floating cover which is defective.	Design and construct steel or concrete 10 mg reservoir.	1999	$2,800,000
5	C	112937	9	El Dorado ID - Main	0910001	011	Reservoir is protected with a floating cover, which has defects.	(Pollock Pines) Replace floating cover with a rigid cover and adequate bypass. Design and construction is involved.	1998	$1,700,000
5	C	112937	9	El Dorado ID - Main	0910001	013	Reservoir is covered with a floating cover, which has defects.	(Dolomite) Replace floating cover with rigid cover. Involves design and construction.	1999	$2,300,000
5	C	112937	9	El Dorado ID - Main	0910001	014		(Res 11) Replace floating cover with a rigid cover. Involves design and construction.	1998	$2,800,000
5	C	112937	9	El Dorado ID - Main	0910001	015	Reservoir is covered with a floating cover which is defective.	(Res B) Replace floating cover with rigid cover and an adequate bypass. Involves design and construction.	1998	$800,000
5	C	112937	9	El Dorado ID - Main	0910001	016		(Res C) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	1998	$800,000
5	C	112937	9	El Dorado ID - Main	0910001	017		(Res 1) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	1998	$1,700,000

SRF Category **H**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	112937	9	El Dorado ID - Main	0910001	012	Reservoir is protected with a floating cover, which has defects.	(Moose Hall) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	1998	$600,000
5	C	121888	14	Vista Irrigation District	3710027	001	Public health and safety concerns associated with age and deterioration of the low head Vista Flume (potable water conveyance system). See Attachemt 1 and 3.	Permanent replacement of Vista Flume with pressure pipeline. See Attachement 2 and 3.	1998	$15,000,000
0	C	0	16	Metropolitian Dist. of So. Cal.	1910087	001	Floating cover damaged on Garvey Reservoir (1,610 acre-foot finished water storage).	Design and install a floating cover upon completion of the liner system.	1998	$10,000,000
0	C	200	20	ANZA MUTUAL WATER COMPANY	3301180	001	Water Outages. Reranked from E to H per District. (9/17/01)	Distribution System Improvements	2001	$850,000
0	C	3640	2	Meadow Vista County Water Dis	3110009	002	Storage reservoirs have floating covers which apparently are no longer permitted by DHS.	Replace two (2) 2mg reservoirs with welded steel tanks.	1998	$1,750,000
0	C	5303	21	North Yuba Water District	5810006	001	The District has an existing eight inch water main that delivers water from the water treatment plant to the distribution system. This water main is undersized and cannot convey enough water during summer months for domestic use and fire protection. Cus		2008	$680,000

Total Projects for 'Category' = H (21 Projects) **Total Costs for Category:** ***$64,383,000*** **Total Population served in Category:** ***1,034,964***

SRF Category I

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	008	The Tuolumne Utilities District (TUD) currently operates 14 separate DHS permitted water systems, 13 of which are served by treated surface water from separate water treatment plants located on the TUD ditch system. The majority of these small independen	TUD proposes to hire engineering and planning consultants to increase water treatment plant reliability, facilitate compliance with current and upcoming disinfection and log removal regulations, reduce the regulatory burden on the state DHS and TUD, and r	2008	$500,000
30	C	5268	11	TUD - Crystal Falls Water System	5510010	006	The Crystal Falls SWTP operates at filtration rates that exceed the SWTR during peak demand periods.	Construct a new SWTP.	2007	$15,000,000
30	C	5268	11	TUD - Crystal Falls Water System	5510010	005	The Crystal Falls SWTP and Willow Springs SWTP are operated at peak flows that exceed the allowable filtration rate in the SWTR.	Expand the Monte Grande SWTP and connect the Crystal Falls/Willow Springs system to the Monte Grande system.	2007	$1,600,000
25	C	400	12	LSID - Tonyville	5410007	002	The Lindsay-Strathmore Irrigation District (District) provides water for domestic and/or agricultural irrigation purposes. The District utilizes imported surface water as their primary water supply. The District has a contract for Class 1 water from the	The District believes that the construction of a new water supply pipeline for the Tonyville System will result in lower disinfection by-products (DBPs). The new pipeline will enable the District to provide unchlorinated water to its treatment plant whic	2008	$125,000
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	006	Need to upgrade water treatment plant facility. System relies on prefiltration to meet disinfection requirements.	Develop plan and specifications and complete construction.	1998	$935,000
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	005	System relies on prefiltration to meet disinfection requirements. Need to upgrade water treatment plant facilities.	Engineering planning.	1998	$50,000
25	C	1891	2	IVCSD-Greenville	3210001	002	Existing surface water treatment plant currently meets standards but will be unable to meet proposed standards in the Cryptosporidium action plan.	Consider pre-treatment, clarifiers, additional filters, or new treatment plant.	1998	$1,002,650
25	C	2403	1	Garberville Sanitary District	1210008	001	Direct filtration system that is having problems meeting turbidity standards of SWTR during high flow periods in source.	May need a clarifier or additional filter.	1998	$100,000
25	C	2458	3	Clearlake Oaks County Water District	1710001	006	Recycled backwash water to headworks shall be restricted to 10% of total production	Installing a backwash holding tank at WTP will bring system into conformance with CAP.	2008	$125,000
25	C	2458	3	Clearlake Oaks County Water District	1710001	007	The treatment plant needs a new back-up generator and switch, therefore fails to meet swtr reliability requirements.A backwash water recovery system at the WTP will bring system in conformance with CAP and conserve water,	Install a new 400kW propane back-up generator at the water treatment plant replacing a deteriorating army surplus generator that currently does not provide reliability.Install a 50,000 gallon backwash tank & recovery system to recover and recycle backwa	2007	$270,000
25	C	2500	3	Nice Mutual Water Company	1710008	005	Plant needs evaluation to identify components in need of improvements to meet CAP, including 55-yr old pressure filters and other aging equipment and structures.	Evaluate plant condition, recommend improvements and construct improvements.	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	3434	11	TUD - Upper Basin Water System	5510012	011	The District owns and operates 14 water treatment plants (WTP) that serve 13,000 treated water customers. The majority of these WTPs are of limited treatment capacity and capability. There are an excessive number of water treatment plants for the numbe	The proposed project includes the design and construction of a WTP that would consolidate four water systems, provide for permanent interconnections of adequate volume to supply the needs of two additional public water systems and eliminate four to six WT	2008	$7,684,875
25	C	6306	12	Huron, City of	1010044	003	HIGH TURBIDITY LEVELS IN RAW WATER FROM THE CALIFORNIA AQUEDUCT HAVE RESULTED IN UNSCHEDULED SHUTDOWNS OF THE PLANTS FOR BACKWASHING OF THE FILTERS. PLANTS UNABLE TO CONSISTENTLY MEET THE CRYPTOSPORIDIUM ACTION PLAN.	INSTALLATION OF CLARIFIERS TO REDUCE DOWN TIME AND INCREASE THE PRODUCTION OF THE EXISTING PLANTS.	1999	$500,000
25	C	6306	12	Huron, City of	1010044	001		INSTALLATION OF CLARIFIERS TO REDUCE DOWN TIME AND INCREASE THE PRODUCTION OF THE EXISTING PLANTS.	1999	$500,000
25	C	9594	21	Cal-Water Service Co.-Oroville	0410005	001	Surface water treatment plant needs improvements and upgrades to improve operations and reliability. Also need improvements to comply with the Cryptosporidium Action Plan.	Treatment plant upgrades: particle counter, liquid alum feeder/mixer, current monitor, SCADA system and gaseous chorine containment.	1998	$220,000
25	C	11185	12	Lindsay, City of	5410006	002	Unfiltered surface water being used for backwashing filters at surface water treatment plant.	Redesign and replumb existing raw water supply and valving to allow finished water to be used for backwashing filters.	2006	$400,000
25	C	11185	12	Lindsay, City of	5410006	004	DBP MCLs are difficult to meet with existing surface water treatment plant. Periodic use of ground water wells helps reduce overall DBP RAA.	Optimize coagulant dosage at SWPT, and install chloramination at SWTP and at each wellhead. Bench-scale testing designed to determine optimum coagulant dosing.	2006	$575,000
25	C	1256951	14	San Diego - City of	3710020	049	Need additional chlorine contact time to adequately meet futureCrypotsporidium Action Plan.	Construction of chlorine contact basin and chlorine dioxide system.	2007	$14,764,137
25	P	100	1	Junction City School	5304209	001	Spikes in turbidity measurements when filter starts up after service interruptions. Some of the filter media is deteriorated and needs to be replaced.	Replacement of filter media.	1998	$25,000
25	P	120	21	Fouts Springs Youth Facility	0600041	001	Surface water treatment plant improvements are needed to comply with the Cryptosporidium Action Plan and to treat higher turbidity water.	Replace existing raw water storage tank and piping. Add 50,000 gallon clearwell tank.	1998	$224,000
20	C	50	10	Stockton East Water District	3910006	003	PLANT HAS LIMITED CLEARWELL VOLUME FOR DISINFECTION INACTIVATION.	CONSTRUCT NEW 10 MG CLEARWELL TO MEET INCREASING DISINFECTION REQUIREMENTS.	1999	$6,743,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	50	10	Stockton East Water District	3910006	002	WHEN IT BECOMES NECESSARY TO TAKE FILTERS OUT OF SERVICE, FILTRATION RATER MUST EXCEED REGULATORY LIMITS TO MEET DEMANDS.	CONSTRUCT TWO FILTERS TO PERMIT FILTRATION RATES TO MEET REGULATORY LIMITS DURINF FILTER MAINTENANCE.	2000	$4,031,000
20	C	230	12	FCSA #32/CANTUA CREEK	1000359	002	SURFACE WATER IS PROVIDED FROM THE WESTLANDS WATER DISTRICT. DURING THE LAST 12 MONTHS, WESTLANDS' WATER LINES HAVE BROKEN TWICE LEAVING THE COMMUNITY WITHOUT WATER. PLANT UNABLE TO MEET THE CAP.	CONSTRUCT A BACKUP WELL TO PROVIDE DOMESTIC WATER DURING PERIODS THAT THE SURFACE WATER SUPPLY FROM WESTLANDS IS INTERRUPTED.	1998	$214,350
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	004	THE PHOENIX DITCH THAT SUPPLIES THE WTP IS CONTAMINATED FROM RUNOFF CAUSING THE PLANT TO HAVE DIFFICULTY MEETING OUR DEPARTMENT'S CAP.	CONSTRUCT A PIPELINE TO REPLACE THE OPEN DITCH FROM THE SHAWS FLAT PIPELINE TO PHOENIX ROAD.	1999	$147,000
20	C	1000	1	City of Trinidad	1210018	001	Turbid water from Luffenholtz Creek difficult to treat to SWTR standards. Direct filtration with no clarifier.	Construct a clarifier and make other system improvements.	1998	$100,000
20	C	1495	1	City of Montague	4710007	002	Watershed subject to significant Cryptosporidium contamination hazards from cattle ranches and feed lots and therefore, required to have increased removal efficiencies to meet future microbial MCLs. Also water has high TOCs and taste/odor problems.	Installation of ozonation facilities.	1998	$200,000
15	C	398	12	WESTSIDE SCHOOL	1000290	001	INADEQUATE SURFACE WATER FILTER SYSTEM THAT DOES NOT MEET THE CRYPTOSPORIDIUM ACTION PLAN.	INSTALL NEW FILTER SYSTEM.	2001	$50,000
15	C	3554	1	Weaverville C.S.D.	5310001	001	Clarifier at East Weaver filtration plant does not provide adequate pre-treatment and may not meet the turbidity reduction goals of Cryptosporidium Action Plan.	Upgrade the existing clarifier system.	1998	$50,000
15	C	3554	1	Weaverville C.S.D.	5310001	003	West Weaver filtration plant is an in-line filter system that needs a clarifier to help optimize treatment.	The project would construct a clarifier and facilities for pre chlorination and coagulation.	1999	$502,000
15	C	50001	20	Lake Hemet MWD	3310022	001	The District has prior to 'turn-of-the-century' surface water rights. Existing treamtent plant is D-rated due to latest clean water regualtions. New water treatment technology will better able us to use surface water diversions and lower dependance on the	Construct a new surface water treatment plant or add an additional treatment element (membrane or bag filter system) in front of plant to better regulate influent turbidiy changes.	2003	$3,500,000
15	C	71168	20	Desert Water Agency	3310005	001	Snow and Falls Creek System: Proposed EPA, Enhanced Surface Water Treatment Rule, will likely render existing surface water treatment facilities in non compliance.	Design and construction of chemical addition, coagulation, flocculation, sedimentation, filtration, and disinfection surface water treatment facilities and appurtenances.	2002	$6,200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	71168	20	Desert Water Agency	3310005	002	Chino Creek System: Proposed EPA, Enhanced Surface Water Treatment Rule, will likely render existing surface water treatment facilities in non compliance.	Design and construction of chemical addition, coagulation, flocculation, sedimentation, filtration, and disinfection surface water treatment facilities and appurtenances.	2002	$1,700,000
10	C	900	2	Weimar Water Company	3110035	001	Will not meet new regulations based on California Cryptosporidium Action Plan.	Upgrade water treatment plant to meet future regulations. Study/design/construction involved.	1998	$200,000
10	C	2500	20	Idyllwild Water District	3310019	008	Surface water treatment plant must be upgraded to comply with SWTR as directed by DHS. Plant is out of service at this time.	Inprove surface wash and filtration system and add appropriate control systems.	2000	$300,000
10	C	140000	14	Escondido, City of	3710006	003	Delivery system from Lake Henshaw to Lake Wohlford is 14 miles of open canal which is 90 + years old in places and subject to contamination. Reliability of system is at risk due to weather and coliform contamination.	Design and construct/repair portions of canal with greatest exposure risk.	1999	$5,000,000
5	C	8508	10	ACWA Buckhorn Plant	0310012	006	The Buckhorn Water Treatment Plant (WTP) provides both retail and wholesale domestic service to communities in the Eastern part of Amador County. Currently 2- of the Wholesalers have been cited by the Department of Health Services for non-compliance of H	The project proposes to install a UV system at the WTP and 3- post Chlorine Stations within the system. This will reduce the chlorine dosage at the WTP and will therefore conform to the Disinfection Bi-Product Requirements	2007	$330,000
5	C	1256951	14	San Diego - City of	3710020	028	The Alvarado filtration plant uses free chlorine gas as the primary disinfectant which creates DBP that may exceed future TTHM standards.	Installation of ozone mechanical and electrical equipment.	2006	$64,884,000
5	C	1256951	14	San Diego - City of	3710020	033	The Miramar Treatment Plant requires construction of new flocculation/sedimentation basins because of inadequate capacity and short circuiting problems.	Demolish basins 3 and 4 and replace with new basins 5,6,& 7.	2006	$70,000,000
5	C	1256951	14	San Diego - City of	3710020	030	The Miramar Water Treatment Plant requires construction of new ozone facilities to increase the capacity and meet water quality goals for future DBP requirements..	This project would provide for the construction of new ozone facilities which would help increase the capacity and water quality of the treatment plant.	2005	$26,000,000
0	C	0	15	COVINA IRRIGATION CO.	1910128	006	The Temple WTP is a 12.5 MGD conventional water treatment plant that treats either local surface water, supplies from the State Water Project (SWP), or blends of the two sourcewaters. The Temple WTP as originally configured used sodium hypochlorite for b	Alternate methods using granulated activated carbon, magnetic ion exchange resin, chlorine, ozone, and chlorine dioxide have been considered and ruled out, either due to the excessive cost, insufficient space requirements, or an inability to meet regulato	2008	$2,500,000
0	C	0	16	Metropolitian Dist. of So. Cal.	1910087	006	The Mills plant exclusively treats State Water Project (SWP) water. Due to its proximity to the DWR conveyance system, the plant receives East Branch SWP water via Lake Silverwood and Lake Perris. From 2003 to 2005, average total organic carbon (TOC) conc	The project scope includes:addition of: a fourth 3,000 ppd ozone generator with power supply unit;a third LOX tank (34,000 gallon) with concrete foundation;a supplemental nitrogen generation system package;additional ambient ozone gas analyzers;powe	2007	$30,829,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	280	2	Castle City Mobile Home Park	3110033	001	Will not meet new regulations based on California Cryptosporidium Action Plan. Lack of separate flocculation basin and backwash system is manual.	Build separate flocculation basin and install automatic backwash system.	1998	$50,000
0	C	600	4	San Francisco Regional Water System	3810001	073	HH supply may not meet the new DB Rules for Crypto inactivation.	Design and construct ozone facilities for the Hetch Hetchy supply.	1998	$1,205,000
0	C	600	4	San Francisco Regional Water System	3810001	053	Treatment to HH to meet Crypto Action Plan.	Design and construct ozone facilities for the Hetch Hetchy supply.	1999	$5,400,000
0	C	600	4	San Francisco Regional Water System	3810001	049	WW sludge discharged to source water - no treatment.	Study, design, and construct the preferred alternative for sludge handling. The filter-to-waste piping and ancillary facilities.[HWT filter plant]	1998	$10,289,000
0	C	750	17	Cuesta La Honda Guild, Inc.	4110012	003	High TTHM levels - Exceeds Running Annual Average MCL for TTHM	Install treatment system - Miex Anion Exchange system or chloramine treatment	2007	$400,000
0	C	1200	18	Bolinas Community PUD	2110005	005	The BCPUD water distribution system is a gravity-fed, piecemeal system assembled over the last 80 years. The present district was formed in 1967 via the consolidation of two formerly-existing utility districts that each served different sections of the c	The planning and feasiblity study will consist of a comprehensive engineering analysis of the BCPUDs water distribution system to identify, plan and prioritize system-wide improvement projects. This analysis will include, but not be limited to, a scruti	2009	$300,000
0	C	1200	18	Bolinas Community PUD	2110005	006		The planning and feasiblity study will consist of a comprehensive engineering analysis of the BCPUDs water distribution system to identify, plan and prioritize system-wide improvement projects. This analysis will include, but not be limited to, a scruti	2009	$300,000
0	C	3000	10	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	004	Water quality varies greatly within the distribution system serving the community of Diablo Grande. Operations staff has noticed water quality parameters beginning to degrade. Chlorine levels vary from 2 mg/l to 0.2 mg/l within the distribution system.	A detailed study needs to be conducted to analyze how the WHWD can improve water quality. This study would review all water facilities operated by the WHWD to improve water quality and comply with the Disinfectant and Disinfection Byproducts Rules. Elem	2008	$250,000
0	C	30000	13	LAKE ARROWHEAD CSD	3610005	001	Inadequate water treatment capacity, undersized distribution system.	Reconstruct Cedar Glen Treatment Plant, undersized main and transmission facilities in accordance with new master plan	1998	$10,000,000
0	C	38390	17	North Coast County Water Dist	4110025	005	Need to upgrade water treatment plant to meet proposed microbial treatment standards.	Add second contact clarifier and ozonation system.	1999	$1,000,000
0	C	68000	13	EAST VALLEY WD	3610064	005	Historically, the EVWD has been in compliance with Stage 1 D/DBP Rule requirements because compliance was based on averaging results from samples collected throughout the distribution system. In addition, treatment requirements for improved disinfections	The modernization of the current District plant 134 will update the plant to comply with new regulations, and increase the supply of potable water to the public. The plant currently delivers 4.0 MGD of potable water to the residents of Highland. Upon comp	2008	$11,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	79959	3	Napa, City of	2810003	007	The City of Napa's Jamieson Canyon Water Treatment Plant (JCWTP) treats water from the State Water Project via the North Bay Aqueduct. The raw water is consistently high in turbidity and total organic carbon. The JCWTP treats State Water Project water f	The existing Jamieson Canyon Water Treatment Plant (JCWTP) has been unable to meet the Cryptosporidium Action Plan (CAP) and Filter Backwash Recycle Requirement (FBRR). The recommended project to solve this problem is to combine the spent filter backwash	2008	$5,400,000
0	C	80000	13	REDLANDS CITY MUD-WATER DIV	3610037	007	The Hinckley Water Treatment Plant (WTP) has two main primary sources of water for treatment and then distribution to the City of Redlands. These two source waters, which are both surface waters, consist of the following:1. Santa Ana River (SAR) water	The City plans to improve the process of the WTP, reservoirs, and distribution system in order to address both the turbidity problems when running on SAR water and the DBP problems when running on SWP water. Preliminary evaluations have been completed of	2011	$12,000,000
0	C	80000	13	REDLANDS CITY MUD-WATER DIV	3610037	004	Modifications needed for Hinckley WTP to meet TOC removal requirements in Stage 1 DBP Rule	Plan, design, and construct improvements to WTP	2005	$3,000,000
0	C	1256951	14	San Diego - City of	3710020	059	new upgrade to meet DBP 2 and LT2ESWTR	floc/sed basin, modify 16 filters, new backwash system, filter to waste	2006	$23,818,000
0	C	1300000	4	East Bay MUD	0110005	010	Water Treatment Plant Solids Facilities Improvements - Supernatant is inadequately treated, has the potential of violating proposed microbial MCL. Existing solids handling systems are deficient in capacity at several WTP's.	Treat reclaimed supernatant. Evaluate the recycle streams including those with potential to be recycled to the headworks of a plant. Ensure that treatment would include construction of identified improvements.	2000	$24,800,000
0	P	850	19	TEJON-CASTAIC WATER DISTRICT	1503341	006	The problem addressed in this project is DBP formation. The Tejon Castac Water District uses surface water supplied by the State Water Project treated by PALL microfiltration, and 12.5% sodium hypchlorite as a disinfectant. The State Water Project is co	This project will include a pretreatment system to reduce the DBP formation potential. A Rapid Small-Scale Colum Test (RSSCT) will be performed to evaulate the variablility of the raw water and determine the best long term solution. Most probable treatm	2008	$1,500,000
0	P	850	19	TEJON-CASTAIC WATER DISTRICT	1503341	005	DBPR compliance, high TTHM levels.	Coagulation injection.	2007	$35,000
0	N	250	11	BERKELEY CAMP	5500136	002	The City of Berkeley operates Berkeley Tuolumne Camp under a special use permit with the Stanislaus National Forest. The Camp is open spring thru fall serving approximately 310 campers daily during high camping season (June-August) and approximately 1500	The City of Berkeley is requesting funds to update the current manual water filter system at Berkeley's Tuolumne Camp to an automatic system. The current water plant sits amid the 15-acre Berkeley Tuolumne Camp. It is housed in a 226 square foot open	2008	$175,000

Total Projects for 'Category' = I (60 Projects) **Total Costs for Category:** ***$380,003,012*** **Total Population served in Category:** ***8,410,608***

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	007	Water delivered in the business core of the City of Sonora and surrounding residential areas is constantly plagued with terrible taste, odor and color casued by rusty pipes, high iron and manganese and breakthrough of iron and manganese films. There are	TUD proposes to replace one thousand (1000) water service laterals ranging in pipe size from 3/4 inch to 6 inch. The service lines would be replaced from the District main to the customers property line. The District will then implement a private wate	2008	$1,500,000
45	P	527	12	PLEASANT VIEW SCHOOL	5400882	001	School's well is within 50 feet of Poplar CSD's wastewater disposal ponds. Potential for contaminant migration to School's well.	Interconnect with Poplar CSD water system and abandon well.	2003	$230,000
35	C	35	14	BORREGO SPRINGS PARK COMMUNITY SERVICES	3701213	001	Borrego Springs Park Community Services District (BSP-CSD) is under County of San Diego Department of Environmental Health order to increase the total water storage in the system. Also, a major well (well#4) has collapsed reducing the total capacity of	This project will include the necessary piping, valves, check valves, pumps and other pipeline appurtenances to intertie the Borrego Springs Park Community Services District (BSP-CSD) and the Borrego Water District (BWD). A new storage tank will not be ne	2008	$1,500,000
25	C	33	21	RIVER INN MOBILE HOME PARK	5200531	001	Sacramento River floods this Park and the wellhead has been inundated in the past. Flood waters are contaminated with sewage.	Re-work well head to seal holes and provide casing vent.	1998	$0
25	C	185	2	Sierra Lakes County Water Dist	3110017	001	Water supply is vulnerable to contamination from sewage collection system.	Completion of existing standby deep well.	1998	$35,000
25	C	665	13	East Wood Farms CWU	3600100	001	Unreliable source capacity	Construct temporary intertie with East Valley Water District while company makes system improvements	1998	$15,763
25	C	700	14	LAKE MORENA OAK SHORE MW CO.	3700923	002	Aging distribution lines within 25 feet of septic leach lines. System was put in during the 30's and 40's.	Replace water lines.	2004	$115,000
25	C	2568	11	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	003	Many of the water lines in the Sherwood Forest service area are in close proximity to septic tank-leachfield areas. Also, low pressure and water supply problems are experienced due to inadequate distribution lines.	Install 10,000 feet of new 6-inch diameter PVC water lines and necessary appurtenances.	2005	$1,000,000
25	C	8656	12	Mendota, City of	1010021	001	THE CITY'S WATER SUPPLY SYSTEM HAS SUFFERED FROM LOW PRESSURES, WATER SHORTAGES, BACTERIOLOGICAL CONTAMINATION, AND SECONDARY WATER QUALITY PROBLEMS. THE WELLS ARE LOCATED NEAR THE CITY'S SEWAGE TREATMENT AND DISPOSAL FACILITIES.	CONSOLIDATE THE CITY'S TWO SYSTEMS BY CONSTRUCTING A NEW WELL FIELD, INSTALLING WATER TRANSMISSION AND DISTRIBUTION LINES, AND REHABILITATING AND EXPANDING THE EXISTING IRON AND MANGANESE TREATMENT PLANT.	1998	$5,518,000
20	C	45	11	MD#85 VALETA MUTUAL WATER COMPANY	2000511	001	The well has elevated nitrate levels. One sample collected in February 2005 had a nitrate result of 46.1 mg/L. However, 6 subsequent samples were below the nitrate MCL. The well also produces an inadequate supply of water.	Construct a new well or nitrate treatment facilities.	2007	$863,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	3000	18	Sweetwater Springs CWD - Monte Rio	4910028	005	Leaky, old, undersized tank and mains in area of failing septic	Construct 60,000-gallon tank and 3,900 feet of 6-inch water main.	2009	$909,000
20	C	3000	18	Sweetwater Springs CWD - Monte Rio	4910028	004	Leaky, old, undersized mains in area of failing septic.	Install 5,800 feet of 6-inch water main and connect customers served by old mains.	2008	$1,026,000
20	C	3000	18	Sweetwater Springs CWD - Monte Rio	4910028	003	Inadequate storage and undersized, leaky water mains suseptible to intrusion from old septic systems.	Install 60,000-gallon tank and replace 1-inch mains with 6-inch mains.	2007	$1,120,000
20	C	3000	18	Sweetwater Springs CWD - Monte Rio	4910028	002	Low water pressure (lines may be subject to backsiphonage), lack of adequate water storage and water quality problems.	Install and replace transmission and distribution system to prevent contamination and to improve water pressure. Install and upgrade water storage facilities.	1998	$3,700,000
20	C	3000	18	Sweetwater Springs CWD - Monte Rio	4910028	006	Leaky, old, under sized water mains in areas of failing septic.	Install and replace 7,000 feet of distribution line	2010	$1,011,000
20	C	3000	18	Sweetwater Springs CWD - Monte Rio	4910028	001	Leaky, old, undersized mains in area of failing septic.	Install and replace transmission and distribution system to prevent contamination and to improve water pressure. Install and upgrade water storage facilities.	1998	$250,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	001	Low water pressure (lines may be subject to backsiphonage), lack of adequate water storage and water quality problems.	Install and replace transmission and distribution system to prevent contamination and to improve water pressure. Install and upgrade water storage facilities.	1998	$200,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	002		Install and replace transmission and distribution system to prevent contamination and to improve water pressure. Install and upgrade water storage facilities.	1998	$2,000,000
20	C	26299	21	Paradise Irrigation District	0410007	002	The District's distribution system has extensive leaks. Paradise is the largest community in CA without a sewer system. Septic tank effluent is found in trenches.	Replace 213,000 feet of pipeline.	1998	$16,000,000
15	C	517	11	TUD - Big Hill Water System	5510029	004	The Big Hill Water System was placed into receivership in 2000 due to water quality and water supply reliability violations. The Tuolumne Utilities District was the designated receiver of the system under the condition that the water distribution system	Replacement of the Big Hill East water distribution system is being funded by the Department of Water Resources, Proposition 13 funded Infrastructure Rehabilitation program. The Big Hill water treatment plant is funded by the DHS - SRF grant. The design	2008	$2,121,754
15	C	2605	21	Rio Alto Water District	5210005	001	The system uses two old Ag wells that were converted to domestic use. After the flooding by the Sacramento River in the past, one well had a persistent fecal coliform problem.	Construct new municipal well within upper zone of District's distribution system.	1998	$200,000
15	C	14154	9	SCWA Mather-Sunrise	3410704	006	Well has been abandoned because of proximity to a sanitary sewer.	Design and construct new well to replace well.	1998	$250,000
15	C	24877	11	CITY OF SANGER	1010029	001	Very old, deteriorated 4" cast iron pipelines. Many sections of these lines ruptured in January 2000 resulting in water outages and a boil water advisory required by DHS.	Install ~33,000 feet of new water mains.	2000	$2,000,000

SRF Category J

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	75	5	HARBOR VIEW WA	2701498	001	The well source is in close proximity to a septic tank.	Drill new well and/or install holding tanks (three 5000 gallon tanks).	2002	$20,000
10	C	232	12	PONDEROSA CSD	5400934	002	Coliform contamination of two hard rock wells (currently providing chlorination of the water). One well is within 150' of individual septic tank and leach fields.	Investigate cause/source of coliform - $50,000; Correct problem or drill new wells - $150,000	2002	$200,000
10	C	420	2	Clear Creek CSD-Westwood	1800512	002	System had fecal contamination due to flooding or animal intrusion into spring box, but this only happened once in January 1995. Not recurring.	Improve spring source	2000	$50,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	010	BALLONA WELL#3 IS LOCATED 27' FROM 4" SEWER LATERAL. THE WELL IS OCCASIONALLY COLIFORM POSITIVE BUT NOT E. COLI. POSITIVE. WELL STATUS: ACTIVE, ON-LINE	DRILL A NEW WELL 50' AWAY FROM SEWER LINES	1998	$1,100,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	012	CHICAGO WELL#1 IS LOCATED 25' FROM 6" SEWER LATERAL, 40' FROM 10" SEWER LINE. THE WELL IS OCCASIONALLY COLIFORM POSITIVE BUT NOT E. COLI. POSITIVE. WELL STATUS: ACTIVE, ON-LINE	DRILL A NEW WELL 50' AWAY FROM SEWER LINES	1998	$1,100,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	013	YUKON WELL#2 IS LOCATED 35' FROM SEWER LATERAL. THE WELL IS OCCASIONALLY COLIFORM POSITIVE BUT NOT E. COLI. POSITIVE. WELL STATUS: ACTIVE, OFF-LINE	DRILL A NEW WELL 50' AWAY FROM SEWER LINES	1998	$1,100,000
10	N	25	12	RUBALCAVA WATER SYSTEM	1600240	001	Replace old, leaking 350 foot galvanized iron pipe from wellhead to several users including a residential dwelling house, a restaurant/bar and retail truck parts company. Wellhead has tested positive for coliform bacteria in the past, perhaps from backfl	Replace service line from well to commercial and residential users, approx. 350 feet using piping of an approved material. This includes excavation of a trench of sufficient depth to bury the new pipeline, with appropriate connections to the existing use	2007	$18,000
5	C	35	16	MITCHELL S AVENUE E MOBILE HOME PARK	1900785	001	SYSTEM HAS HAD POSITIVE COLIFORMS. SEWAGE TREATMENT PLANT 1 MILE UPSTREAM AND A NEARBY SEPTIC TANK AND SEEPAGE PIT (WITHIN 200 FEET) MAY BE CAUSING CONTAMINATION OF THE WELL.	REPLACING COMPLETE WATER SYSTEM, VALVES, ADDITIONAL 5,000 GAL TANK. REMODEL AND UPDATE PUMP HOUSE AND EQUIPMENT.	1998	$50,000
5	C	600	10	The Oaks Mobile Home Park	0310020	001	Source water is from an extremely impaired source that receives the waste water discharged by the City of Jackson.	Pipe treated water from the Amador Water Agency's Mokelumne River source to provide acceptable water to this community. AWA has submitted the application to at least be a wholesupplier of quality water for the benefit of the Oaks.	2000	$2,000,000

SRF Category J

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	5000	10	LAKE AMADOR RECREATION AREA	0300037	001	Source water is from an extremely impaired source strongly influenced by a waste water discharge	Pipe treated water from the Amador Water Agency's Mokelumne River source to this water sytem. AWA has applied for funding for a project to bring a quality supply of water to the area and wholesale it to existing PWSs.	2000	$1,000,000
5	C	6500	6	CAMBRIA COMM SERVICES DIST	4010014	002	Wells subject to flooding from creek are subject to sewage discharge.	Extend casings and sanitary seals of the wells and raise the pump houses to an elevation above the 100 year flood elevation.	1998	$60,000
0	C	0	6	CALLEGUAS MUNICIPAL WATER DIST	5610050	003	Two septic tanks in close proximity to source of supply (open storage reservoir).	Remove the septic tanks and install sewers.	1998	$100,000
0	C	0	16	Metropolitian Dist. of So. Cal.	1910087	004	Potential Cross-connection in the distribution system	Relocate below grade vacuum air release valves from below grade to above grade. Provide blowoffs with backflow protection	2002	$55,000,000
0	C	200	8	Diamond Park Mutual Water Co.	3000663	001	Deteriorating under ground water lines (circa 1920)near sewer line. Low pressure through out district. Need replacement of failed standby pressure tank.	Replace all lines and valves. Purchase & install additional storage tank.	1998	$150,000
0	C	600	10	The Oaks Mobile Home Park	0310020	002	Current source water is an extremely impaired source.	Pipe either treated or raw water for treatment to Oaks.	2004	$2,000,000
0	C	926	2	Squaw Valley Public Service District	3110020	009	Well failure due to age and construction.	Replacement of Well # 2.	2007	$600,000
0	C	1500	7	LAND PROJECT MUTUAL WATER CO.	1910246	001	Refinance. Replaced 2.8 miles of 50-yrs old mains located too close to the septic tanks and leachfields. Constructed a replacement storage tank.	Design and construction of replacement pipelines and a storage tank.	1998	$600,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	011	Existing on-site wastewater systems in the Seadrift area of Stinson Beach do not meet the 10-foot minimum setback requirement from potable water service pipelines. The District relocates approximately 400 feet of potable water pipeline every year such th	The project involves relocating approximately 400 feet of mainline potable water pipeline (6-inch and 4-inch diameter) annually at a cost of approximately $45,000 each year.	2008	$225,000
0	C	7128	20	Western MWD - Murrieta Division	3310036	004	Well located in close proximity to large concentration of septic tanks - increasing nitrate levels.	Design replacement well in new location. Construct new well.	2004	$100,000
0	C	31000	15	CRESCENTA VALLEY CWD	1910028	002	Aged wells experience random coliform bacteria episodes.	Design and construct four (4) replacement wells. Rehabilitate four (4) existing wells with new casing liners and gravel pack.	1998	$1,500,000
0	C	62100	8	City of Tustin	3010046	003	Aged wells with close proximity to sewer line.	Somes wells will need to be abandoned and filled and a new well will need to be constructed near by.Other wells may be rehabilitated by lining the casing or other methods.	1998	$3,500,000
0	C	166661	8	Moulton Niguel Water District	3010073	007	Significant sanitary sewer defect involving line crossing creek that continually erodes. Waterline in near vicinity crossing creek also.	Relocation of the Aliso Creek sewer to the other side of creek which is protected by a road.	2000	$2,500,000

SRF Category J

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	190800	18	Marin Municipal Water District	2110002	004	No fencing - cattle have direct access to reservoir.	To erect continous barbed wired fence around the reservoir.	1999	$620,000
0	C	200000	4	Contra Costa Water District	0710003	016	Water systems source of supply, distribution mains or storage facilities situated in close proximity to sewage, sewage effluent or animal waste facilities.	Continue study to determine the best approach to reduce the impacts of the discharge. Construction of a diffuser, extending the discharge pipe. Controlling the timing of drainage discharge.	2000	$7,000,000
0	C	200000	4	Contra Costa Water District	0710003	020	Surface drainage into lined canal. Groundwater seepage into unlined canal.	Drainage diversion, reversal of groundwater flow.	2000	$1,500,000
0	P	30	18	Bucher Water Company	4901277	001	Well construction is inadequate	install c-pad, raise casing, install vents and adequate disinfection facilities	2005	$100,000
0	P	37	18	FULL CIRCLE PROGRAMS, INC.	2100575	001	Well near leach field, persistent coliform problems.	Construct new leach field and drill new well.	1999	$125,000

Total Projects for 'Category' = J (50 Projects) **Total Costs for Category:** ***$123,882,517*** **Total Population served in Category:** ***1,504,413***

SRF Category K

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	P	263	19	SEMI TROPIC SCHOOL WATER SYSTEM	1502244	001	NEEDS RELIABLE DISINFECTION EQUIPTMENT WATER QUALITY TASTE AND ODOR PROBLEMS. STUDENTS AND PARENTS COMPLAIN	TIE INTO ANOTHER SYSTEM FOR DOMESTIC WATER USE AND USE EXISTING WELL FOR LANDSCAPE IRRIGATION. OTHER - DESIGN AND CONSTRUCTION.	1998	$20,000
25	C	336	19	RIVERKERN MUTUAL WATER COMPANY	1500251	001	NEEDS RELIABLE DISINFECTION EQUIPT. SYSTEM VERY OLD AND HAS MANY "DEAD-ENDS". 3 WELLS PRODUCE TOTAL COLIFORM POSITIVE WATER	UP-GRADE MAINS, CONSTRUCT "LOOP" AND GET RID OF ALL DEADENDS. OTHER - DESIGN AND CONSTRUCTION	1998	$75,000
25	P	100	1	Mattole Elementary School	1200684	001	Many components of the system are old and in a poor state of repair. Some disinfection is broken and not in use, cement storage tanks are difficult to seal and are cracked. System failures and water outages are common.	Hire an architech to redesign system to comply with current and future state and federal law-rebuild system.	2003	$92,000
25	P	200	1	So Trinity Unified School Dist.	5305107	001	Chlorination system is not flow-paced and does not provide reliable levels of disinfection.	Install new flow-paced chlorination system.	1998	$4,750
20	C	156	4	BIG OAK MOBILE HOME PARK WATER	0707588	001	Problems with Coliforms.	Connect to city water.	2001	$105,000
20	C	20047	20	Hemet, City of	3310016	001	Well developing potential bacteriological problem, unknown degree of contamination. Mandatory chlorination is required. Improvments needed for contact time and reliability.	Unknown - possible nitrogen block - acid cleaning - redrilling.	1998	$750,000
20	P	50	21	FEATHER FALLS SCHOOL	0400107	001	The water system has a source disinfection system that is in need of major repairs.	Contract with an engineer to analyze the system problems.	1998	$20,000
15	C	2535	14	Borrego WD	3710036	001	Inadequate disinfection facilities to treat raw groundwater produced by District wells.	Installation of gas chlorinators at Wells 8, 10, 12, and 16.	1998	$130,000
15	C	3967	9	CalAm - Arden	3410045	002	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install leak alarm annunciation. Involves design and construction.	1998	$240,000
15	C	6269	11	DELHI CWD	2410006	001	THE EXISTING HYPOCHLORINATORS AT THE FIVE WELL SITES DO NOT HAVE ADEQUATE RELIABILITY FEATURES.	INSTALL NEW CHLORINATION FACILITIES.	1998	$200,000
15	C	8750	2	City of Susanville	1810001	001	To upgrade the Bagwell Springs pressurized chlorination system to a gas chlorination system operated under vacuum and install safety detection equipment on site.Annual DHS inspection report deficiency item number 2 dated December 5, 2006	To install a power line to Bagwell Springs so the high pressure gas chlorination system can be replaced by a gas chlorination system operated under vaccum. Installing power is required to run a vaccum pump due to the pipeline not having sufficient pressu	2008	$75,000
15	C	121420	20	Elsinore Valley MWD	3310012	001	Study and upgrade disinfection facilities for water district systems. See attached sheet	See attached sheet	1998	$500,000
10	C	950	13	ARROWHEAD MANOR WATER CO	3610026	002	Chlorination system lack realiability	Install automatic chlorination system with realiability features	2000	$15,000

SRF Category K

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	4575	10	Keyes Community Services Dist	5010009	001	REPLACE HYPOCHLORITE FEED PUMPS PURCHASED FOR OCCASIONAL, NOT FULL TIME, USE.	REPLACE WITH ON SITE CHLORINE GENERATORS. OTHER = DESIGN AND CONSTRUCTION.	1998	$80,000
10	C	16075	19	ROSAMOND CSD	1510018	001	NEEDS RELIABLE DISINFECTION EQUIPTMENT WELL CONTAMINATED WITH BACTERIOLOGICAL CONTAMINATION	CYCLE TESTING FOR SOURCE OF BACTERIOLOGICAL CONTAMINATION. OTHER - DESIGN AND CONSTRUCTION	1998	$25,000
10	C	43996	9	CalAm - Parkway	3410017	002	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	1998	$600,000
10	C	142060	22	CALIFORNIA WATER SERVICE CO. - DOMINGUEZ	1910033	001	Refinance chlorine generating facilities. Periodic bacteriological problems in system due to inadequate residuals in low usage areas and storage facilities.	Chlorine generating facilities were purchased and installed to increase overall system residuals.	1998	$500,000
5	C	50	1	Treasure Creek Woods MWC	5301101	001	Shallow well source requiring disinfection, but with inadequate chlorine contact time.	Install two 5,000-gallon capacity storage tanks after chlorination to provide contact time.	1998	$10,000
5	C	223	14	PINE HILLS MUTUTAL WATER COMPANY	3700905	005	well/cistern close to septic system and subject to flooding.	Build new well/cistern and add chlorination.	2015	$100,000
5	C	2500	19	BORON CSD	1510002	003	NO DISINFECTIN OF GW. Unable to comply with disinfectant residual requirments when blending with AVEK water.	CHLORINATION FACILITY FOR TWO WELLS	2001	$8,500
5	C	6500	6	CAMBRIA COMM SERVICES DIST	4010014	001	Gas chlorination facilities lack needed reliability features, chlorine residual analyzers and alarms.	Purcahse monitoring and alarm equipment, cylinder repair kits and the necessary protection equipment for these two sites.	1998	$20,000
5	C	10000	22	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	004	NO AUTOMATIC SWITCHOVER OR STANDBY CYLINDER ON GAS CHLORINATION SYSTEM. CAN NOT INSTALL DUE TO WORKPLACE SAFETY/HAZARDOUS MATERIALS/AIR QUALITY REQUIREMENTS.	INSTALL AN AUTOMATED ON-SITE OXIDANT GENERATOR OR OTHER RELIABLE DISINFECTION SYSTEM THAT SATISFIES WORKPLACE SAFETY, HAZARDOUS MATERIALS AND AIR QUALITY REQUIREMENTS.	1998	$81,550
5	C	15222	6	FILLMORE WATER DEPT	5610002	001	Disinfection facilities lack needed reliability features to maintain proper disinfection of the water supply.	Install a SCADA system & paging ability to monitor the system	1998	$200,000
5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	005		The Rio Linda/Elverta Community Water District currently has 9 wells that provide groundwater to the community, (we shut down two wells last year due to arsenic, but that is the subject of different applications). Currently the only treatment required at	2007	$964,000
5	C	21780	18	Valley of the Moon Water District	4910013	002	Wells require chlorination upgade.	Design and construct on-site chlorination system for 3 wells.	1998	$150,000
5	C	25000	22	CALIF STATE POLYTECHNICAL UNIV - POMONA	1910022	001	VERY OLD TELEMETRY SYSTEM. HARD TO CONTROL CHLORINE DOSAGE IN THE DRINKING WATER SUPPLY.	INSTALL DDC CONTROLS THAT WILL AUTOMATE THE BLENDING AND CHLORINATION PROCESS.	1998	$85,000

SRF Category K

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	33102	9	CalAm - Antelope	3410031	003	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	1998	$600,000
5	C	108724	8	Mesa Consolidated WD	3010004	012	Disinfection facilites are needed. Mesa's well water is treated with chlorine.It is mixed in the distribution system with MWD water treated with chloramines. This results in low residuals, odor problems and possible nitrite problems in the reservoirs	Modification of existing chlorine injection system to a chloramine injection system.	1998	$2,000,000
5	P	26	10	VALLEY HOME SCHOOL PIONEER	5000277	001	During the past year we were found to be in violation of the California Domestic Water Quality Monitoring Regulations by testing positive for coliform bacteria. We currently have two wells in close proximity to one another which feed into one storage tan	We isolated the north well from the potable water conveyance system by shutting it off and disconnecting it from the water storage tank. We were required to trench in a new 2 1/2 water line last May. This temporarily solved the problem, but we will have	2007	$9,700
5	P	125	16	CAMPS MUNZ & MEDNENHALL	1900089	001	CHLORINATION SYSTEM OLD AND OUTDATED, NOT IN USE. COLIFORM POSITIVE SAMPLES.	INSTALL NEW CHLORINATION SYSTEM	1998	$280,000
5	N	200	19	KERN CO P&R-GREENHORN MT. PARK WATER	1502317	001	NEEDS RELIABLE DISINFECTION EQUIPTMENT. DISTRIBUTION PROBLEMS - OLD PIPELINE. A CAMPGROUND AT THE SITE HAS BEEN CLOSED FOR SOME TIME DUE TO COLIFORM CONTAMINATION	REPLACE 2,000' OF PIPELINE. DRILL A NEW WELL	1998	$65,000
0	C	0	17	Santa Clara Valley Water District	4310027	004	Disinfection process needs improvement.	Clearwell modifications to increase the disinfection time.	1998	$1,377,000
0	C	45	5	CORRAL DE TIERRA ESTATES WC	2700536	003	Existing chlorination system is not reliable.	Install an automated chlorination system and provide for back-up chlorination.	1998	$1,500
0	C	100	16	SLEEPY VALLEY WATER CO., INC.	1900903	001	SHALLOW GROUNDWATER REQUIRES DISINFECTION FACILITIES	PROVIDE CHLORINATION, NEW PIPELINES, AND 500,000 GAL RESERVOIR	1998	$701,200
0	C	141	10	RANCHO SAN JOAQUIN WATER SYS	3900558	001	FREQUENT POSITIVE FINDINGS REQUIRE RELIABLE DISINFECTION FACILITIES.	DRILL NEW WELL. INTERCONNECT WELL 1 WITH WELL 2 PRESSURE TANK AND INSTALL AUXILIARY POWER. OTHER = DESIGN AND CONSTRUCTION.	1998	$500,000
0	C	180	16	JOSHUA VIEW MOBILE HOME PARK	1900941	001	DISTRIBUTION SYSTEM HAS PERIODIC BACTERIOLOGICAL CONTAMINATION. AUTOMATED CHLORINATION SYSTEM REQUIRED.	INSTALL AN AUTOMATIC CHLORINATION SYSTEM, REPLACE RUSTED PIPES AND PUMP AT WELL, REPAIR WATER STORAGE TANK.	1998	$19,000
0	C	190	17	Green Mountain Water Company	4300560	002	Existing disinfection control system needs to be upgraded.	Install chlorination system, low pressure staging tank, booster pump, and new control system.	1998	$17,000
0	C	200	10	ELKHORN ESTATES WATER SYSTEM	3900724	001	FREQUENT COLIFORM POSITIVES REQUIRE RELIABLE DISINFECTION FACILITIES.	STUDY CAUSE OF COLIFORM CONTAMINATION AND, IF NECESSARY, DRILL A NEW ONE.	1998	$450,000
0	C	380	2	Alpine Springs County Water District	3110029	002	Bacteriological problems were experienced; DHS mandated the chlorination of water.	Design and construct buildings dedicated solely to house the pumps and provider for safer access.	1999	$80,000

SRF Category K

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	064	Improve and provide back-up for chlorination.	Design improvements at Tesla Portal and Thomas Shaft (back-up chlorination station) to provide reliable treatment of Hetch Hetchy Water in accordance with SDWA regulations.	1998	$1,130,000
0	C	600	4	San Francisco Regional Water System	3810001	065	Need chlorination feed improvements and back-up.	Construct improvements at Tesla Portal and thomas Shaft.	1999	$9,350,000
0	C	1500	14	Pine Valley Mutual WC	3710039	002	Inability to safely meet the demands of water system during emergency or disaster in relation to production during power outages.	Purchase of emergency chlorinator and portable 300 kw generator for tie-in to distribution largest well.	1998	$120,000
0	C	4000	6	MEINERS OAKS CWD	5610005	002	The monitoring station and SCADA equipment alarm system is currently located near the SWTP in a temporary large freight shipping container. The equipment is inoperable due to flooding of the container. The system needs a permanent secure building to house	The project will include building a new 10 ft by 15 ft building on a concrete pad adjacent to the SWTP. The flooded SCADA equipment will be rehabilitated to include monitoring the alarms for the system; alarms for high and low chlorine levels and turbidit	2007	$150,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	007	Inadequate chlorine residual downstream of pump station.	Add chlorination equipment. Involves design and construction.	1998	$25,000
0	C	7128	20	Western MWD - Murrieta Division	3310036	005	System lacks chlorine residual analyzers and appropriate alarms.	Identify, design, purchase and install chlorine analyzers and alarm systems.	2004	$50,000
0	C	19272	9	CalAm - Rosemont	3410034	002	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	1998	$360,000
0	C	28000	4	City of Benicia	4810001	002	Gasesous chlorination system at WTP lacks safety feature.	Replace gaseous chlorination system.	1998	$275,000
0	C	32584	9	CalAm - Suburban	3410010	001	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	1998	$850,000
0	C	33792	9	San Juan Water District	3410021	003	Disinfection system does not have the necessary safety equipment. One-ton containers of liquid chlorine do not meet safety requirements for secondary containment.	Installation of a scrubber is the industry standard for protection against chlorine releases.	1998	$300,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	002	Evergreen Well 02 lacks needed reliability features for proper disinfection.	Provide controls for the well site.	1998	$50,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	001	MF Well 05 lacks needed reliability features for proper disinfection of the well water.	Replace the motor center and provide automatic controls.	1998	$50,000
0	C	44708	9	CalAm - Lincoln Oaks	3410013	009	Disinfection system does not have the necessary leak detection equipment. Chlorine alarm telemetry system.	Install immediate leak alarm annunciation. Involves design and construction.	1998	$1,000,000
0	C	54382	4	CALIFORNIA WATER SERVICE - LIVERMORE	0110003	002	Improve disinfection reliability, so that it is compatible with Chloramine.	Install facilities to enable Chloramine disinfection of all system reservoirs (24) and purchase portable Chloramination equipment.	1999	$980,000

SRF Category K

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	67876	4	City of Pleasanton	0110008	001	Unreliable disinfection facilities increased bacteriological count in the distribution system (DOHS Citation No. 02-04-95C-031) Chlorine residual have dropped below minimum parts of the system resulting in an increase in bacteriological counts.	Convert Pleasanton's chlorine injection facilities to chloramation.	1998	$200,000
0	C	92870	8	City of Westminster	3010064	009	Lack of disinfection in system. Well 124 is out of service indefinitley due to red water complaints and positive coliform samples when tested.	Replace Well #124 (State Well #5) by drilling anew well to improve our water system pressure, volume and help maintain a constant State mandated chlorine residual for this area.	1998	$1,000,000
0	C	92870	8	City of Westminster	3010064	002	Lack of disinfection in system due to loss od well OC-2.Well casing is deterioration causing production and water quality to decrease.	Replace Well #107(State Well #5) by drilling a new well to improve our water system pressure, volumne and help maintain a constant State mandated chlorine residual for this area.	2001	$1,000,000
0	C	92870	8	City of Westminster	3010064	004	Well #22- well casing is deteriorating causing production and water quality to decrease. Lack of disinfection in system due to the loss of well 22.	Replace Well #22 (State Well #5) by drilling a new well to improve our water system pressure, volume and help maintain a constant State mandated chlorine residual for this area.	1999	$1,000,000
0	C	92870	8	City of Westminster	3010064	007	Well#107- well casing's deterioration is causing production and water quality to decrease.Lack of disinfection in system due to the loss of well 107.	Replace Well #107 (State Well #5) by drilling a new well to improve our water system pressure volume and help maintain a constant State Mandated chlorine residual for this area.	2000	$1,000,000
0	C	207157	15	GLENDALE-CITY, WATER DEPT.	1910043	001	NITRIFICATION PROBLEMS, INABILITY TO MAINTAIN DISINFECTANT RESIDUALS.	PROVIDE RELIABLY DISINFECTED WATER	1998	$500,000
0	P	200	17	CAMP JONES GULCH	4100538	002	Treatment is not reliable.	Will develop a system's analysis to identify other options to simplify or change system.	1999	$20,000
0	P	850	19	TEJON-CASTAIC WATER DISTRICT	1503341	001	Inadequate chloring contact time.	Construct discharge line from well to tank.	2007	$40,000
0	N	1	20	Caltrans, Whitewater Rest Area	3301082	001	Hypochlorinator pump fails every two to three months.	Upgrade system.	1998	$5,000
0	N	1	20	Caltrans, Brookside Rest Area	3301083	001		Upgrade system.	1998	$5,000
0	N	25	16	BIG OAKS LODGE	1900992	001	OCCASIONAL COLIFORMS. NO HOLDING TANK AND CHLORINATING SYSTEM.	BUILD A 5000 GAL. HOLDING TANK, DEEPEN THE WELL, INSTALL A LARGER PUMP, PRESSURE TANK, AND AN AUTOMATIC CHLORINATION SYSTEM.	1998	$6,000
0	N	60	16	CAMP CISQUITO / LIVE AGAIN RECOVERY HOME	1900631	001	MANUALLY CHLORINATE RESERVOIR.	ADD AN AUTOMATED CHLORINATION SYSTEM AND MONITORING EQUIPMENTS	1999	$5,000
0	N	120	18	CSP - Marconi Conference Center	2110304	001	Antiquated, unreliable chlorimation equipment.	Replace wood storage tank with 125,000 gallon concrete ground tank. Replace water lines from sprins and well to treatment facility.	1998	$300,000

Total Projects for 'Category' = K (66 Projects) **Total Costs for Category:** ***$30,922,200*** **Total Population served in Category:** ***1,565,387***

SRF Category L

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	60	18	Mount Taylor Mobile Home Park	4900822	001	high manganese exceeding secondary standard & health-based action level	either upgrade their treatment or consolidate with the City of Santa Rosa	2004	$60,000
35	C	649	11	TUD - Mono Village Water System	5510019	002	The Mono Village water system was acquired by the Tuolumne Utilities District (TUD) in January of 2004 at the request of the Mono Village Mutual Water Company. It was determined by the Mono Village Mutual Water Company that it would be best that the TUD	This project involves the construction of a new six inch pipeline, 2050 feet in length, 750 lineal feet of ten inch pipeline and new valves. The existing surface water treatment plant will remain in service. The project includes the elimination of the e	2008	$374,080
35	C	51504	21	City of Yuba City	5110002	014	Consolidation of Hillcrest Water Company and Yuba City water Utilities and construction of additional water treatment plant capacity. (see attached)	Acquisition of Hillcrest WC and Expand the Yuba City SWTP to serve the Hillcrest water region customers when new arsenic limits are adopted.	2001	$30,000,000
25	C	927	19	CWS - UPPER BODFISH WATER SYSTEM	1510026	001	WELL EXCEEDS EXCEEDS TOTAL ALPHA AND URANIUM MCL	DRILL AND EQUIP A NEW WELL AND/OR INSTALL TREATMENT FACILITIES SUCH AS AERATION AND NANO-FILTRATION AT EXISTING FACILITIES. OTHER - DESIGN AND CONSTRUCTION	2001	$300,000
25	C	1500	12	Pratt Mutual Water Co	5410033	003	Nitrate MCL violation in water produced by Well 2, which is needed to meet demand.	Drill new well	2001	$1,750,875
25	C	3063	7	AMARILLO MUTUAL WATER COMPANY	1910002	001	Water from 800 gpm well for population of 3000 has PCE/TCE at times above MCL.	Treat water with air-stripper.	2003	$300,000
25	C	3643	13	CITY OF BISHOP	1410001	001		City of Bishop's Well 1 cannot be used as a source of drinking water due to its high levels Fluoride, which exceed its MCL. For this reason, Well 1 is regarded as a stand-by well by California Department of Health Services (CDHS). Well 1 also has high l	2007	$619,000
25	C	3643	13	CITY OF BISHOP	1410001	002	The City of Bishop owns and operates three wells from which it supplies water to its customers; Well 1, Well 2 and Well 4. Fluoride levels at Well 1 exceed its respective MCL. For this reason Well 1 can only be used as a stand-by well for a limited dur	The City of Bishop wants to build a new well on City owned property. The new well will be built to serve as a back up well when either of the two main wells (Well 2 and Well 4) fails. A Request for Proposals for the Environmental Impact Report was relea	2007	$2,403,000
25	C	4198	14	Coachella VWD: I.D. NO. 11	1310011	003	Water quality is poor in terms of TDS and fluoride levels approaching the MCL. The ground water is declining at a rate of 6 feet per year.	Drill new well sites north of the existing ID # 11 well field. Future ID # 11 wells to provide water to the existing 1310017	2002	$2,000,000
25	C	4198	14	Coachella VWD: I.D. NO. 11	1310011	001		Install 13 miles of transmission line from the Valerte Jean area adjacent to the existing Highway 86 south to the county line and connect to the existing 1310017	2002	$4,000,000
25	C	12058	11	PARLIER, CITY OF	1010025	001	Well No. 4A exceeds the DBCP MCL.	Install wellhead treatment facilities to remove DBCP.	2003	$400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	28000	7	BELLFLOWER - SOMERSET MWC	1910013	001	Well contaminated with TCE and manganese. Two other wells are vulnerable to TCE contamination.	Design and construct replacement wells.	1999	$1,000,000
25	C	157394	10	City of Stockton	3910012	004	Arsenic concentration in six City wells requires treatment.	Install wellhead treatment to remove arsenic from six wells.	2004	$2,700,000
25	C	157394	10	City of Stockton	3910012	007	Arsenic concentration exceeds MCL.	Install ion exchange treatment for arsenic removal.	2004	$1,200,000
25	P	75	5	AERA ENERGY LLC WS	2701187	001	Exceeded lead and copper action levels	Consolidate with Ambler Park Water System (2710006)	2000	$80,000
25	P	90	13	EDNA BEAMAN ELEMENTARY SCHOOL	2600568	001	Uranium in source water	Drill new well	1998	$150,000
20	C	50	6	SOLANO VERDE MUTUAL WATER CO	5602130	001	Well has nitrate failure along with iron & manganese and turbidity problems Standby Well.	Construct a water line to import water from Callegaus MWD.	2001	$1,600,000
20	C	50	19	SCHWEIKART WATER SYSTEM	1502545	001	DBCP EXCEEDS MCL; as of 1/2000 source meets DBCP MCL and was reranked to L	RUN 2 MILES OF 12" MAINLINE AND CONSOLIDATE TO VAUGHN WATER COMPANY. OTHER - DESIGN AND CONSTRUCTION	1999	$260,000
20	C	220	19	MUSTANG MUTUAL WATER SYSTEM	1500555	001	DBCP AND EDB > MCL; as of 1/2000 source meets DBCP and EDB MCL; reranked to L	WATER TREATMENT OR CONNECT TO ANOTHER SYSTEM	1999	$200,000
20	C	320	21	VISTA GRANDE WATER SYSTEM	5200012	001	The "Round Up" Well has historically had nitrate results just below, at, or just over the MCL of 45 mg/l. This well needs to be replaced.	Construct new well.	1998	$20,000
20	C	600	12	Casa Loma Water Co, Inc.	1510004	001	PCE exceeds MCL in one of two system wells. Well is needed to meet demand. Public notification conducted per Compliance Order.	Construct new well or connect to California Water Service-Bakersfield	2002	$500,000
20	C	870	13	Golden State Water-Mor Del Norte	3600270	001	Uranium approaching MCL	Construct treatment facilities	1998	$150,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	005	NEEDED IMPROVEMENTS FOR FIRE FLOW AND SUPPLEMENTAL SUPPLY DUE TO DBCP CONTAMINATION OF WELL NO. 4 THAT EXCEEDS THE MCL.	NEW WELL NO. 6 DESIGNED TO DBCP AVOID CONTAMINATION	1998	$92,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	006	Well No. 3 exceeds the nitrate MCL.	Install nitrate removal treatment for Well No. 3.	2005	$500,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	007	Standby Well No. 5 exceeds the DBCP MCL.	Install treatment facilities to remove DBCP from Well No. 5.	2005	$500,000
20	C	1266	12	Buttonwillow CWD	1510011	004	The Buttonwillow County Water Districts well #1 has been taken out of service due to high levels of Total Dissolved Solids (TDS) of 1,100 ppm vs the MCL of 500-1,000-1,500 ppm, Turbidity of 5.0 NTU vs 4.0 NTU, Sulfate of 310 ppm vs an MCL of 250-500-600	The rural, low-income, farmworker community of Buttonwillow (Median Household Income of $28,370) must replace a community well that is contaminated with Iron, Manganese, TDS and Conductivity above the State and Federal Maximum Contaminant Level (MCL) Con	2008	$700,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	2488	10	Northern Calif Youth Corr. Center	3910802	001	CONTAMINATED GROUNDWATER IN AREA AND SOME WATER QUALITY PROBLEMS.	ESTABLISH CONNECTION WITH CITY OF STOCKTON OTHER = DESIGN AND CONSTRUCTION	1998	$780,000
20	C	7598	20	Coachella VWD: I.D. NO. 10	3310063	002	Data from wells in this area show an average arsenic level in the groundwater of 13 ppb, which exceeds the anticipated arsenic MCL of 10 ppb.	Replace groundwater wells with a canal water treatment system to treat canal water to drinking water standards in order to serve to customers for potable water purposes. (Install a surface water treatment plant.)	2003	$5,000,000
20	C	12138	12	City of McFarland	1510013	001	A) Large diameter system main line extensions to eliminate small diameter customer lines, extending long distances. B) Lack of water/power to emergency situations	A) Eliminate low volumes and possible bacteriological problems. B) Portable electric generator to restore water service during power outages.	1998	$211,000
20	C	12628	21	Cal-Water Service Co.-Marysville	5810001	001	The Water Company wants to construct a treatment plant to treat water from four of their wells for arsenic if the arsenic MCL is lowered as proposed.	Design and construct a 1.0 MGD treatment plant to address the production problems of these wells.	2000	$750,000
20	C	24496	13	BALDY MESA CWD - Inactive	3610010	002	Cannot meet EPA's proposed MCLs for Arsenic and Radon	Construct treatment plant to treat water from California Aqueduct	2001	$20,500,000
20	C	49496	12	Porterville, City of	5410010	010	Well 10 produces water containing PCE that exceeds the MCL of 5 ppb.	To equip the well with wellhead treatment facilities, either GAC or airstripping.	2005	$650,000
20	C	49496	12	Porterville, City of	5410010	011	Well 12 produces water containing PCE that exceeds the MCL of 5 ppb.	To equip the well with wellhead treatment facilities, either GAC or airstripping.	2005	$650,000
15	C	150	18	Hawkins Water Co-Cal Water Service (PUC)	4900546	001	Fe and Mn exceed standard; organic contaminants; arsenic near MCL	ATEC treatment for Fe and Mn; new backwash and pressure tanks	2007	$499,000
15	C	1500	6	San Miguel Community Services District	4010010	002	Standby WATER WELL CONTAMINATION AND TRANSMISSION LINE REPLACEMENT	DEVELOP NEW WELL AND CONSTRUCT 1,000 LINEAR FEEY OF 16" TRANSMISSION LINE	2003	$385,000
15	C	1500	6	San Miguel Community Services District	4010010	001	Water system needs to comply with radiological MCLs at all times	Study to determine source of problem, design & construct solution (treatment or new well)	1998	$500,000
15	C	7600	6	OCEANO COMM SERVICES DIST.	4010005	002	Well #6 production dropped by 50%.Well 4 and 5 produce water with high selenium and blend	Drill a new well and rehabilitate Well #6	2007	$1,025,800
15	C	14154	9	SCWA Mather-Sunrise	3410704	007	Standby well Contaminated with VOC's.	Design and construct new well.	1998	$250,000
15	C	28100	11	ATWATER, CITY OF	2410001	001	WELL NO. 10 EXCEEDS THE EDB MCL AND WELL NO. 20 EXCEEDS THE MANGANESE MCL.	CONSTRUCT A TEST WELL AND PRODUCTION WELL TO REPLACE WELL NO. 10 AND PERFORM REMEDIATION WORK ON WELL NO. 20.	1998	$605,200
15	C	29720	17	California Water Service - San Carlos	4110007	001	System meets existing trihalomethane MCL, but not DBP Rule.	Install facilities to enable chloramine disinfection of all systems reservoirs (22) and purchase portable chlorination equipment.	1998	$900,000
15	C	35211	11	LOS BANOS-CITY	2410005	001	Violate primary standard for uranium in Well 8	Construct IX treatment system for uranium	2000	$600,000
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	007	Well in violation of future radon MCL	Drill new replacement well	2001	$450,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	008	Anticipated violation of radon MCL for four wells	Review treatment options, construct treatment facilities	2003	$750,000
15	C	44174	6	San Luis Obispo Water Department	4010009	002	Wells exceed nitrate MCL. Standby well	Construct nitrate removal treatment facility and carbon filtration system for PCE removal	2000	$1,000,000
15	C	84184	16	SANTA MONICA-CITY, WATER DIVISION	1910146	001	Seven (7) wells were taken out of service due to MTBE contamination. This is 71% of local water supply.	Perform investigation to define extent of contamination, source of contaminants, remediation, and potential treatment technologies. Project involves: Study, Design, and Construction.	1998	$5,000,000
15	P	200	18	Salmon Creek Middle School	4901168	001	Severe iron concentrations from well and old treatment plant becoming unable to properly treat water	Upgrade treatment facilities	2002	$50,000
10	C	0	6	UNITED WTR CONS DIST	5610046	003	Sulfate levels which exceed the proposed MCL and/or action levels.	Construct RO plant at El Rio facility, 25 mgd.	1999	$18,500,000
10	C	0	6	UNITED WTR CONS DIST	5610046	004	Wells exceed nitrate MCL at times. Well is blended with other sources.	Design and construct a skid mounted nitrate removal plant for one well for blending.	1998	$1,500,000
10	C	0	6	LOPEZ PROJECT	4010022	004	Water Treatment needs upgrades to meet proposed chemical and/or physical MCLs	Study & develop an enhanced coagulation program designed to achieve DBPR compliance	1998	$100,000
10	C	80	19	OASIS PROPERTY OWNERS ASSOCIATION	1500585	004	Nitrate in excess of MCL in standby well.	Treatment or consolidation with neighboring water system.	2007	$1,000,000
10	C	1700	6	WARRING WATER SERVICE INC	5610021	001	Well No. 3 needs to comply with proposed MCL or Action level for sulfates.	Drill a replacement well.	1998	$150,000
10	C	5237	3	Calistoga, City of	2810002	006	Fiege Canyon well site has high arsenic levels which will not meet future proposed MCL.	Improve mixing and filtration; add coagulant system.	2000	$200,000
10	C	16571	19	ANTELOPE VALLEY E KERN WTR AGY	1510053	003	CONTROL FUTURE THM'S WHILE ACHIEVING REQUIRED CT	INSTALL AMMONIA FEED SYSTEMS AT ONE WATER TREATMENT PLANT	1999	$187,500
10	C	171777	10	California Water Service - Stockton	3910001	001	ARSENIC ABOVE THE ANTICIPATED FUTURE MCL	DESIGN AND CONSTRUCT A S MGD TREATMENT PLANT. OTHER = DESIGN AND CONSTRUCTION	2000	$2,600,000
10	C	457514	9	City of Sacramento	3410020	027	Arsenic levels at Well 164 exceed the new MCL	Project will study treatment methodologies, then design, construct/purchase, and install treatment system at well site.	2003	$400,000
10	P	95	5	CAPTAIN COOPER SCHOOL WS	2702322	005	Exceeded lead or copper action levels.	Install a corrosion control treatment unit.	2000	$80,000
10	P	400	5	ECHO VALLEY SCHOOL WS	2700552	001		Install a corrosion control treatment unit.	2000	$80,000
5	C	200	5	RANCHO SAN ANDREAS	4400660	002	High nitrates in source water in excess of MCL.	Properly destroy abandoned well in vicinity of source. Design and construct nitrate removal treatment system.	2000	$20,000
5	C	582	13	ARROWBEAR PARK CWD	3610110	002	High Radon in source water	Construct treatment facility	1998	$350,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	012	High Radon in several sources	Construct treatment facilities	1998	$140,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	17631	22	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	006	Water well 02 had Arsenic level @ 14 ug/L. Size of the well can not accommodate any treatment facility	Destroy existing well and construct a new replacement well with arsenic treatment facility	2004	$2,000,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	006	Well B5B shut down due to VOC and NDMA contamination	Construct treatment facility to remove VOCs and NDMA	2002	$15,000,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	008	Wells 8B, 8C, and 8D contaminated with VOCs over the Maximum contaminant level	Construct treatment facility to remove VOCs	2002	$1,000,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	007	Well G4A contaminated with VOCs over half the maximum contaminant level	Construct treatment facility to remove VOCs	2002	$1,200,000
5	P	39	5	BRADLEY UNION SCHOOL WS	2700964	001	Exceeded lead or copper action levels.	Install a corrosion control treatment unit.	2000	$80,000
0	C	0	17	Santa Clara Valley Water District	4310027	002	Stage II DDBP compliance needed.	Solution to the problem requires the construction of a settled water ozone system using LOX as feed gas and sulfuric acid and hydrogen peroxide for bromate control, with fine bubble diffusion ozone contactors followed by GAC filtration.	1998	$58,000,000
0	C	0	17	Santa Clara Valley Water District	4310027	003	Stage I DDBP compliance needed.	Need to change the current treatment to one using ferric chloride as the primary coagulant.	1998	$7,400,000
0	C	0	15	COVINA IRRIGATION CO.	1910128	002	INABILITY TO COMPLY WITH FUTURE D/DBP RULE USING CHLORINE AS PRIMARY DISINFECTANT	CONVERSION TO OZONE SYSTEM	1998	$1,000,000
0	C	0	13	SAN BERNARDINO VALLEY WD	3610019	001	TCE, PCE and nitrate contamination in basin	Basin wide treatment and distribution facilities	1998	$20,000,000
0	C	35	16	MITCHELL S AVENUE E MOBILE HOME PARK	1900785	002	I have one well on the property which is now exceeding Arsenic levels. The well is probably 50 plus years old. This is the sole source of water, as there is no county water available in my area.	To be determined by an engineering study. Possibly a new well, filtering or blending.	2008	$250,000
0	C	96	10	C.C.W.D. Sheep Ranch	0510004	001	Current plant has reached capacity, has difficulty treating high turbidity waters and cannot meet proposed DBP regulations.	Replace mixed media filtration with membrane filter. Modify disingection to use ozone or UV as primary disinfectant.	2003	$640,000
0	C	98	5	Union Heights MWC	3500825	001	Well water exceeds the nitrate MCL	Refurbish existing well or replace with new well	2000	$60,000
0	C	225	2	Sierra Co. W.W.D #1 Calpine	4600019	002	We have arsenic at 22ppb in our primary water source.	We wish to find a new source of water without the arsenic contamination. Treatment of current source possible but well pump tests show this source is not a dependable one.	2008	$500,000
0	C	364	19	Del Oro Water Co. (for. Country Estates)	1500314	001	Existing water supply system does not meet the 1500 mg/l upper secodary drinking water standard for total dissolved solids.	Construct multi piezometer monitoring well, construct and equip a new well based on W/Q results from the monitoring well	2005	$600,000
0	C	380	4	PLEASANTIMES MUTUAL WATER CO	0707576	002	High Maganese content in the water.	Treatment	2002	$100,000
0	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	011	Existing standby well high in nitrates, has to purchase water from Wholesaler which is expensive	Drill a new well in the area to replave the high nitrate well	2005	$150,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	584	5	MAR VISTA WATER COMPANY INC	4400502	001	High manganese in well. 2005 Update: Mn concentration exceeds Notification Level.	Construct new well.	2006	$150,000
0	C	600	4	San Francisco Regional Water System	3810001	051	HH treatment will not meet new DBP rules.	Convert system disinfectant to chloramines. Construct dechloramination facilities for discharges to the environment.	1999	$32,345,000
0	C	600	4	San Francisco Regional Water System	3810001	052		Convert system disinfectant to chloramines. Construct dechloramination facilities for discharge to the environment.	1998	$750,000
0	C	600	4	San Francisco Regional Water System	3810001	074	HH supply may not meet new DBP regulations.	Convert system disinfectant to chloramines. Construct dechloration facilities for discharge to the environment.	1998	$2,700,000
0	C	870	14	Descanso Community WD	3710009	002	Source water iron and manganese exceeds MCL.	Design and installation of 150 gpm capacity iron/manganese filtration facilities at each of two well sites.	2003	$500,000
0	C	887	1	City of Dorris	4710001	001	The City is currently served by one good well which must be pumped in excess of 21 hours per day to meet peak day demands. The back-up well carries sand into the distribution system, and has other water quality issues including Nitrates, Color, Odor, Ars	The City will drill a well at sufficient depth of an estimated 1500 feet to provide a safe, quality water supply. A pump will be installed with sufficient capacity for the Citys use along with the pipe and valve system to connect the Citys water syst	2008	$500,000
0	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	009	Water quality from Well No. 5 exceeds the maximum contaminant level for DBCP as defined in Section 64445.1 (c)(5)(B) of Title 22, California Code of Regulations. The MCL is 0.2 microgm/l (ppb) and the well produces water in concentrations of 0.62 microgm	The project consists of acquiring a new well site, drilling a test well, design and construction of a new well, connection to the water distribution system, and abandonment of Well No. 5.	2008	$1,740,000
0	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	008	Water quality from Well No. 3 exceeds the maximum contaminant level (MCL) for DBCP as defined in Section 64445.1 (c)(5)(B) of Title 22, California Code of Regulations. The MCL is 0.2 and the well produces water in concentrations that exceed 0.3 microgm/l	The project consists of acquiring a new well site, drilling a test well, design and construction of new well, connection to the water distribution system, and abandonment of Well No. 3.	2008	$1,740,000
0	C	1200	15	CALIFORNIA DOMESTIC WATER COMPANY	1910199	003	NDMA contamination exceeding the AL in Well No. 14	Design and construct a 5000 gpm UV well head treatment facility	2001	$5,000,000
0	C	1200	15	CALIFORNIA DOMESTIC WATER COMPANY	1910199	004	Carbon tetrachloride contamination exceeding MCL in Wells Nos. 3, 6, and 14 (5000 gpm each)	Install VOC removal system - Air Stripping Tower with GAC off gas treatment system	2001	$1,500,000
0	C	1500	14	Pine Valley Mutual WC	3710039	005	Wells produce water high in radon and may not meet proposed radon regulations.	Treatment facilities for removal of radon gas from drinking water.	2000	$1,000,000
0	C	1700	11	LE GRAND COMM SERVICES DIST	2410011	003	The water from two of the Districts three wells exceed the MCL of 10 ppb for arsenic.	The District intends to install well head treatment at two well sites for the removal of arsenic.	2008	$1,750,000
0	C	2240	13	GOLDEN STATE WATER CO - APPLE VLY NORTH	3610105	001	Inadequate storage per WW Stds,	Construct intertie to increase source capacity	1998	$120,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	2716	13	GOLDEN STATE WATER CO - MORONGO DEL SUR	3610063	001	Uranium approaching MCL	Construct treatment facilities	1998	$250,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	010	Wells exceed Fe & Mn secondary MCLs and aesthetic complaints from consumers	Install Fe & Mn TP.	2004	$1,000,000
0	C	5412	17	Montara Water and Sanitary District	4110010	025	1,2,3-TCP contamination	Treatment of 2 Airport Wells	2005	$250,000
0	C	5500	16	VALENCIA HEIGHTS WATER CO.	1910163	002	Nitrate above MCL in all domestic wells. Possible loss of source of blending water within two years.	Install nitrate removal facility.	2004	$1,000,000
0	C	7120	13	WESTERN HEIGHTS WATER COMPANY	3610053	002	Two standby wells with nitrate levels above the MCL need blending treatment	Construct a 2-million gallon reservoir to blend two standby wells	2002	$750,000
0	C	7500	16	LA PUENTE VALLEY CWD	1910060	002	Wells 2, 3 & 4 contaminated with perchlorate in excess of 18 ppb causing the District to purchase expensive water from outside agencies.	Design and construction of a 3000 gpm Perchlorate treatment facility when treatment technology becomes available. Project involves: Design to solve problem and Construction	1998	$750,000
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	005	Well 3 exceeds nitrate MCL. Standby Well	Drill 3 test holes and convert one into production well	2003	$500,000
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	008	Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1) serves a population of 8,298. It also provides water to the City of Solvang with a population of 5,322 and serves water on a stand-by basis to Rancho Marcelino Mutual Water Company	Santa Ynez Water Conservation District, Improvement District No 1's (ID#1) project is the reactivation of existing Well #3 with nitrate removal treatment as determined through best engineering planning and practices.	2008	$1,200,000
0	C	12058	11	PARLIER, CITY OF	1010025	003	The City currently has sufficient water supply and distribution when all wells are online. The problem comes when some wells must be shut down because of elevated DBCP levels. The DBCP levels range from .22 - .41. The current State Maximum Contaminant	The City is adding an additional well and a storage tank to meet peak demands and fire flow. The problem comes when some wells must be shut down because of elevated DBCP levels. The DBCP levels range from .22 - .41. The current State Maximum Contamin	2008	$1,200,000
0	C	13248	6	GROVER BEACH WATER DEPARTMENT	4010004	002	Nitrate removal treatment plant needs upgrades to comply with nitrate MCL.	Replace computer and software monitoring and control system	1998	$20,000
0	C	13248	6	GROVER BEACH WATER DEPARTMENT	4010004	003		Sandblast/remove damaged paint and corrosion, then apply new coating system	1998	$35,000
0	C	13248	6	GROVER BEACH WATER DEPARTMENT	4010004	004	Nitrate removal TP needs upgrades to comply with the nitrate MCL.	Repair/replace mechanical and central system components	1998	$300,000
0	C	13248	6	GROVER BEACH WATER DEPARTMENT	4010004	005	Nitrate removal treatment plant needs upgrades to comply with the nitrate MCL.	Replace unit with new Chemscan UV-3100 and process analyzer	1998	$30,000
0	C	15000	16	QUARTZ HILL WATER DIST.	1910130	002	Do to the EPA lowering the MCL for Arsenic on the 23rd day of January 2006 Quartz Hill Water District has had to suspend use of Well 6a due to high levels of arsenic being detected in the water. Several alternative blending plans have been implemented in	Quartz Hill Water District is planning on partially abandoning Well 6a. The planned start date for this project is fall of 2007. According to Los Angeles County Water Works District 40, the aforementioned process takes approximately two weeks to complete.	2007	$65,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	25824	16	City of South Pasadena	1910154	008	Standby wells contaminated with nitrate and PCE are blended to meet the SDWA MCL's (Well field at the Wilson Facility).	Design and construct water treatment facility to remove increasing levels of PCE and nitrate from pumped ground water.	1998	$4,500,000
0	C	25824	16	City of South Pasadena	1910154	007	Standby Wilson Well No. 2 is contaminated with nitrate (75 ppm) and PCE (13 ppb).	Rehabilitate well to isolate contaminated zones in the aquifer and install denitrification system. Project involves: Design, and Construction	1998	$350,000
0	C	25824	16	City of South Pasadena	1910154	003	The groundwater pumped from Graves Well, standby well, is contaminated with nitrate level in excess of the MCL of 45 mg/L.	Install denitrification system. Design and construct.	2000	$1,800,000
0	C	28000	4	City of Benicia	4810001	006	Disinfection process will result in exceedance of DBP standards.	Design and construct ozone facilities at the Water Treatment Plant.	2001	$4,700,000
0	C	28000	4	City of Benicia	4810001	005	DBP compliance requires use of chloramines and additional Ct.	Installation of hypalon "curtains" inside of reservoirs to baffle the flow.	2000	$245,000
0	C	28000	4	City of Benicia	4810001	007	Sludge lagoon improvements needed to meet DBP requirements.	Design and construct two new sludge lagoons near the washwater recovery basin, a small recycle basin and pump station.	2000	$600,000
0	C	45000	15	VERNON-CITY, WATER DEPT.	1910167	001	Well 14 needs rehabilitation and has significant corrosion and damage to the perforations. Also, water analysis has determined that this facility exceeds the secondary standards for iron and manganese and may require treatment to alleviate these problems.	Provide rehabilitation of Well 14 and a new casing to prevent sanding. Construct a treatment plant with greensand and anthracite filter vessels (8 ft x 45 ft horizontal pressure tanks) and a chemical feed system.	2007	$661,000
0	C	49496	12	Porterville, City of	5410010	009	Well L-6 exceeds nitrate MCL and is shut off.	Design and construct wellhead treatment facilities.	2005	$725,000
0	C	49496	12	Porterville, City of	5410010	006	Wells 2 and 21 (1,500 gpm) are shut down because of nitrates that exceed the MCL. The City is water short and therefore plans to construct a 1,500-gpm surface water treatment plant.	Design/construct a 1,500-gpm membrane filtration plant and blend the treated water with Wells 2 and 21. This will result in 3,000 gpm of usable water. The wells are located near the proposed water treatment plant site.	2005	$4,500,000
0	C	49496	12	Porterville, City of	5410010	008	Well L-4 exceeds the nitrate MCL and is shut off. The well produces about 600-gpm.	Design and construct wellhead treatment facilities.	2005	$800,000
0	C	56110	17	California Water Service-S San Francisco	4110009	001	System meets existing trihalomethane MCL, but not but not DBP Rule.	INSTALL FACILITIES TO ENABLE CHLORAMINE DISINFECTION OF ALL SYSTEM RESERVOIRS (13) AND PURCHASE PORTABLE CHLORINATION EQUIPMENT.	1998	$540,000
0	C	57950	17	CWSC Los Altos Suburban	4310001	003	Need disinfection improvements to meet DBP rule.	Install facilities to enable chloramine disinfection of all system wells.	1998	$860,000
0	C	65000	6	CASITAS MUNICIPAL WATER DIST	5610024	004	Disinfection By-Products (TTHMs & HAA5) do not comply with the trigger levels of DBPRule.	Addition of treatment process to the existing pressure filtration TP.	2000	$1,500,000
0	C	66470	17	California Water Service - Bear Gulch	4110006	002	System meets existing trihalomethane MCL, but not DBP Rule	Install facilities to enable chloramine disinfection of 23 Reservoirs and treatment plant, puchase portable chlorination.	1999	$1,020,000

SRF Category L

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	85703	2	City of Redding	4510005	009	The Environmental Protection Agency has set the Arsenic standard for drinking water at 10 parts per billion to protect consumers served by public water systems from the effects of long term, chronic exposure to Arsenic. The State of California is current	Establish well head treament for removal of Arsenic using an already approved technology.	2008	$2,000,000
0	C	92350	17	California Water Service - San Mateo	4110008	001	System meets existing trihalomethane MCL, but not DBP Rule.	Install facilities to enable chloramine disinfection of all systems reservoirs (19) and purchase portable chlorination equipment.	1998	$780,000
0	C	94370	6	CITY OF SANTA BARBARA WATER DEPARTMENT	4210010	005	Inability to comply with Primary and Secondary Water Quality Standards using the current treatment scheme at the Ortega Groundwater Treatment PlantThe City of Santa Barbara owns and operates the Ortega Groundwater Treatment Plant (OGTP), which treats gr	Ortega Groundwater Treatment Plant and Well Rehabilitation ProjectThe City contracted with an engineering design firm specializing in water treatment to investigate treatment solutions for OGTP. In August 2006, the design firm completed a four-month lo	2007	$12,323,885
0	C	138717	16	ANTELOPE VALLEY-EAST KERN WATER AGENCY	1910045	002	CONTROL THMS WHILE ACHIEVING REQUIRED CT	INSTALL AMMONIA FEED SYSTEMS AT THREE WATER TREATMENT PLANTS	1999	$562,500
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	018	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-67 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$820,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	016		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-49 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$1,650,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	022		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-17 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$640,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	019		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-51 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$820,000

SRF Category L

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 021	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-13 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$640,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 027		This project is to construct a new well, Well No. 4-83, to replace Well No. 4-9. The new well will produce approximately 800 GPM and will be properly constructed to avoid penetrating the blue clay zone in the aquifers that contains high arsenic levels.	2007	$1,247,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 029		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-62 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$640,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 013		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-Fox to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$640,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 023		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-42 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for a	2008	$640,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 012		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-36 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$820,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 017		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-48 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$1,650,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070 024		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-43 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$640,000

SRF Category L

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	011	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-37 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$820,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	014		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-26 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$820,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	020		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-50 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$1,000,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	026		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-52 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for a	2008	$820,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	015		This project is for the removal of arsenic from the groundwater pumped from Well No. 4-68 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$820,000
0	C	998000	17	San Jose Water Company	4310011	008	Stage II DDBP rule compliance needed.	Evaluate, design, and construct required facilities for reducing THM's	2002	$8,000,000
0	C	1300000	4	East Bay MUD	0110005	001	Construction of new facilities to meet new DBP Rule.	New chemical feed, storage and control facilities additional filtration capacity and washwater solids handling improvements at Walnut Creek WTP.	1999	$29,840,000
0	C	1300000	4	East Bay MUD	0110005	017	Water Treatment Chlorination to meet new DBP Rule improvements.	Conversion at WTP's from disinfection by free chlorine to chloramines.	1998	$10,734,000
0	P	37	18	FULL CIRCLE PROGRAMS, INC.	2100575	002	Exceeds Copper level.	Install Hydrotech 100 gpd TFC Reverse Osmosis System with Pre-Filters and Post Filters, Storage tank.	1999	$5,000
0	P	250	5	CENTRAL BAY HIGH SCHOOL WS	2702490	001	Exceeded lead or copper action level	Install a corrosion control treatment unit.	2000	$80,000
0	P	250	5	WASHINGTON SCHOOL WS	2701221	001	Exceeded lead or copper action levels	Install a corrosion control treatmetn unit	2000	$80,000

SRF Category **L**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	P	300	16	OUR LADY OF FATIMA SCHOOL - Holy Family	1909007	001	Current well exceeds Arsenic standard. We have no other supply.	We would like to connect to a nearby water supply or drill a new well that meets the arsenic standard. The project scope will be determined by best engineering practices.	2008	$250,000
0	P	575	5	MOSS LANDING SCHOOL WS	2700598	001	Exceeded lead or copper action levels	Install a corrosion control treatment unit.	2000	$80,000

Total Projects for 'Category' = L (146 Projects) **Total Costs for Category:** ***$385,510,840*** **Total Population served in Category:** ***9,280,308***

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	65	13	Center Water Co	3600070	001		Sources of water in the Lucerne Valley area are individual systems (parcel-by-parcel, well-by-well) operated by property owners and small mutual water companies, some of which currently cannot meet service requirements and will not likely be able to accom	2008	$3,700,000
45	C	65	13	Center Water Co	3600070	002		Sources of water in the Lucerne Valley area are individual systems (parcel-by-parcel, well-by-well) operated by property owners and small mutual water companies, some of which currently cannot meet service requirements and will not likely be able to accom	2009	$5,000,000
45	C	72	12	WATERTEK-METROPOLITAN	1000057	001	THE SYSTEM LACKS ADEQUATE SOURCE RELIABILITY.	CONNECT TO THE CITY OF FRESNO.	1998	$25,000
45	C	84	21	LAZY CORRAL MOBILE HOME PARK	5200516	002	Low volume and pressure	Connect to Corning City Water System	2000	$180,000
45	C	84	21	LAZY CORRAL MOBILE HOME PARK	5200516	001	Occasional presence of coliform bacteria.	Re-plumb to City water system.	1998	$380,200
45	C	95	9	WESTERNER MOBILE HOME PARK	3400331	002	On well water, inadequate water pressure and volume	Hook up to public water supply, City of Sacramento	2001	$30,000
45	C	110	18	Timber Cove County Water District	4900584	006	Poor water quality, low pH, very corrosive, poor source and treatment and delivery system.	Connect to timber Cove WD system via pumping stations and new water main up to Timber Cove Road.	1998	$250,000
45	C	180	3	Lake County CSA 16 - Paradise Valley	1700516	002	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include water supply and quality.	Consolidate with Kono Tayee water system with 800 ft connection line.	1998	$250,000
45	C	215	1	I'SOT Well #3 & #15	2500911	003	Three small separate systems with deadend lines not fulfilling Section 64626 (layout of water mains) of the Waterworks Standards.	Consolidate existing water systems into one system, which will loop the distribution lines and provide the reliability required by the Waterworks Standards.	1998	$45,000
45	C	333	3	Lake County CSA 13 - Kono Tayee	1700554	002	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include water supply and quality.	Consolidate with Paradise Valley water system with 800 ft connection line.	1998	$250,000
45	C	333	3	Lake County CSA 13 - Kono Tayee	1700554	001	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include inadequate water supply and quality. Distribution system should be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Paradise Valley water system.	1998	$100,000
45	C	1579	11	TUD - Tuolumne City Water System	5510003	002	NEED AN INTERCONNECTION WITH THE MULLER WATER SYSTEM FOR RELIABILITY AND TO IMPROVE SYSTEM PRESSURE IN THAT PORTION OF THE DISTRIBUTION SYSTEM.	CONSTRUCT PIPELINE AND PRESSURE REDUCING STATION TO INTERCONNECT THE TWO SYSTEMS.	2001	$80,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	P	2025	20	CVUSD, CV HIGH SCHOOL	3301149	001	The coliform bacteriological quality has not been satisfactory for the past years on the domestic water well at CV high school	Abandon the wells and connect water lines to City of Coachella water (attached proposal	1998	$250,000
40	C	68	1	Moore s Mooring	0800653	001	System does not meet Section 64560(a)(6) of the Waterworks Standards. Loss of electrical power results in immediate water outage.	Hook up to City of Crescent City water system. Need to install pipe from Front Street to First street water area and backup valves.	1999	$3,500
40	C	100	1	Pine Grove Trailer Park	0800800	001	Water system does not meet Section 64560(a)(6) of the Waterworks Standards. Loss of electrical power results in immediate water outage.	Hook up to City of Crescent City water system.	2000	$20,000
40	C	150	20	Blythe - Mesa Ranch	3301428	001	Insufficient supply well capacity and water quality problems. Insufficient water sttorage capacity. (see attached documentation).	Construct a transmission main pipeline connection of the water system to City of Blythe water system.	1998	$5,033,000
40	C	225	11	MOTHER LODE MOBILE ESTATES	5500125	001	STORAGE CAPACITY OF SYSTEM DOES NOT MEET WATER WORKS STANDARDS	INCREASE STORAGE OR HOOK TO PUBLIC SUPPLY	1998	$75,000
40	C	250	1	Northcrest Trailer City	0800552	001	Does not meet Section 64560(a)(6) of the Waterworks Standards. Loss of electrical power results in immediate water outage.	Hook up to City of Crescent City water system	2000	$30,000
40	C	2772	12	Lost Hills Utility District	1510046	001	LARGEST WATER USER IS CONNECTED THROUGH 11 MILES OF TRUNK LINE AND DOES NOT PROVIDE ENOUGH FIRE FLOW	REPLACE 11 MILES OF TRUNK LINE, DEVELOP RELIABLE WATER SOURCE, UPGRADE PUMP STATION AND INSTALL STORAGE TANK FOR FIRE FLOW. OTHER - DESIGN AND CONSTRUCTION	1998	$1,500,000
40	C	2844	3	Lake County CSA 21 - North Lakeport	1710021	001	Need to perform capacity analysis and update master plan to evaluate consolidation potential with other water systems, like Nice and Lucerne. Re-finance DWR loan.	Perform capacity analysis and update master plan. Construct components to accommodate capacity needed by the consolidation.	1998	$1,000,000
40	C	3653	11	TUD - Columbia Water System	5510013	003	UPGRADE THE COLUMBIA WTP FROM 1.0 MGD TO 1.5 MGD TO PROVIDE SOURCE RELIABILITY FOR THE GIBBS RANCH AND SONORA WATER SYSTEMS WHICH ARE INTERCONNECTED.	ENLARGE THE COLUMBIA WTP'S CAPACITY FROM 1.0 MGD TO 1.5 MGD.	1998	$230,000
40	C	49496	12	Porterville, City of	5410010	005	SMALL REAR YARD WATER MAINS DETERIORATING DUE TO AGE, BREAKAGE BY TREE ROOTS	DESIGN AND INSTALL WATER MAINS IN R/W, RESERVE CUSTOMERS FROM FRONT YARD SERVICES. OTHER - DESIGN AND CONSTRUCTION	2002	$250,000
40	P	79	20	Blythe - Airport	3301553	001	Supply well and water quality problems. Insufficient water storage capacity. (See attached documentation).	Construct a transmission main pipeline connection of the water system to the City of Blythe water system.	1998	$5,000,000
40	X	10	19	HINSLEY STREET WELL	0012161	001	TASTE PROBLEMS, HIGH IRON AND CALCIUM, SULFUR. REPEATED POWER OUTAGES.	CONSOLIDATE WITH OTHER NEARBY WATER SYSTEMS AND EAST NILES CSD. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$400,000
40	X	16	19	MULLER AVE AREA WATER SYSTEM	0012160	001	TASTE, ODOR, LACK OF WATER-PRIVATE WELLS	CONSOLIDATE WITH EAST NILES CSD. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$400,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
40	X	30	19	MULLER MUTUAL WATER	0012162	001	FREQUENT PUMP FAILURES, NO BACK UP SYSTEM ONLY ONE WELL	CONSOLIDATE WITH AREA WATER SYSTEM & TIE IN WITH EAST NILES C.S.D. OTHER - DESIGN AND CONSTRUCTION	1998	$400,000
35	C	88	3	Lake County CSA 22 - Mt. Hannah	1700563	002	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include extremely high turbidity in the source water. The distribution system should be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Loc Lomand water system.	1998	$100,000
35	C	125	11	BEAR CREEK HOUSING COMMUNITY	2400152	001	THE SYSTEM HAS ONLY ONE WELL WHICH IS VERY OLD AND HAS NO BACKUP FACILITIES. THE STORAGE TANK IS IN NEED OF REPAIR OR REPLACEMENT.	INSTALL A PIPELINE TO INTERCONNECT TO THE PLANADA CSD WATER SYSTEM AND CONSTRUCT A NEW WELL SO THAT THE PLANADA CSD HAS SUFFICIENT SOURCE CAPACITY TO SUPPLY THE SYSTEM.	1998	$500,000
35	C	200	18	El Portal Mobile Estates	4900799	001	Available water from well is running out.	Connect to City of Santa Rosa water supply or design an alternate form of water production.	1998	$250,000
35	C	200	12	NEW HORIZONS MOBILE/RV PARK	1000259	001	NO BACK-UP SOURCE. BACT. PROBLEMS WHEN WELL IS DOWN FOR MAINTANCE	CONNECT TO FRESNO MUNICIPAL WATER SUPPLY - CITY OF FRESNO. OTHER - DESIGN AND CONSTRUCTION	1998	$100,000
35	C	200	20	CHERRY VALLEY WATER COMPANY	3301114	001	Cherry Valley Water Company (CVWC) was formed in the early 1940s to serve a small unincorporated area of Cherry Valley. The company owns two wells operating at depths of 110 feet and 220 feet both equipped with 30 hp pumps. We have been using the 220 foot	Consolidate and annex into BCVWD by building a new distribution system to service 80 meters, which is requested by BCVWD as a condition for annexation. In order to meet these conditions the new distribution system would consist of:• 10,000 feet of 8” d	2008	$750,000
35	C	472	11	TUD-Cuesta Center-Lambert Lakes	5510027	001	Curtis Creek Elementary School is located in rural area of Sonora, California. The campus houses nearly 500 students and staff during the school year. The current water source is a well. Water is stored in a metal tank and the water quality is declinin	Tuolumne Utilities District (TUD) is installing water within a reasonable accessible distance of the school site. This has previously not been an option for the district. The school is required to provide its own link to the main line. Through the Offi	2008	$160,000
35	C	590	3	Lake County CSA 6 - Finley	1710019	002	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include storage source reliability. The distribution system should also be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Soda Bay water system.	1998	$75,000
35	C	590	3	Lake County CSA 6 - Finley	1710019	001	During high demands, source becomes taxed. No long term storage exists.	Construct 100,000 gal storage tank and evaluate consolidation with Kelseyville and Soda Bay systems.	1998	$500,000
35	C	1342	3	Lake County CSA 20 - Soda Bay	1710022	001	Need to perform capacity analysis and update master plan to evaluate consolidation potential with other water systems, like Kelseyville and Finley. Re-finance DWR loan.	Perform capacity analysis and update master plan. Construct components to accommodate capacity needed by the consolidation.	1998	$1,000,000
35	C	1572	11	TUD - Cedar Ridge Water System	5510015	001	INSUFFICIENT STORAGE DURING EMERGENCIES AND ANNUAL DITCH OUTAGE.	CONSTRUCT A 200,000 GALLON STEEL STORAGE TANK.	1998	$124,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
35	C	1572	11	TUD - Cedar Ridge Water System	5510015	002	THE WTP IS APPROACHING ITS MAXIMUM CAPACITY AND MAY NEED UPGRADING TO MEET THE SWTR REVISIONS IN THE FUTURE.	CONSTRUCT A PUMP STATION AND PIPELINE TO INTERCONNECT THE CEDAR RIDGE SYSTEM TO THE CRYSTAL FALLS SYSTEM.	2001	$240,000
35	C	2550	3	Kelseyville Co Waterworks District 3	1710007	002	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include supply and storage inadequacies. One source needs filtration.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Soda Bay water system.	1998	$10,000
35	C	3434	11	TUD - Upper Basin Water System	5510012	008	THE ADJACENT LEISURE PINES WATER SYSTEM HAS INSUFFICIENT SOURCE CAPACITY TO MEET SUMMER DEMANDS.	CONSTRUCT A PIPELINE TO INTERCONNECT THE LEISURE PINES SYSTEM TO THE UPPER BASIN SYSTEM.	1999	$38,000
35	C	5600	21	City of Grass Valley	2910001	001	Inadequate pressure.	Consolidate with City of Grass Valley.	2000	$50,000
35	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	009	Emergency intertie to YVWD for Calimesa MHP (3301534) due to limited storage and source capacity	construct intertie	1998	$360,000
35	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	012	Plantation mhp ee01943 lacks source and storage capacity	consolidate w yvwd	1998	$968,000
35	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	011	emergency intertie to YVWD for Plantation MHP 3301943; limited source and storage capacity	construct intertie	1998	$555,000
35	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	010	Emergency intertie to YVWD due to limited storage and source capacity	construct intertie	1998	$61,200
30	C	35	19	DAVENPORT MUTUAL WATER SYSTEM	1502650	001	No physical problems with well. The park owners are mostly elderly or disabled, two non-English speaking	Consolidation with Rosamond CSD. Enclosed is estimated cost of replacement of water system plus cost of financing fees os all sorts	2003	$68,000
30	C	50	14	SUN ISLAND RESORT	3700964	001	Failing infrastructure, no fire flow	new distribution system & consolidate with Padre Dam	2007	$750,000
30	C	250	5	QUEEN MOTEL WS	2700706	001	Well water quality is poor due to sanding. System also has low pressure.	Consolidate with CWSC - King City.	1998	$230,500
30	C	1441	11	TUD - Ponderosa	5510002	004	DETERIORATED STORAGE AND DISTRIBUTION SYSTEM FACILITIES. NEED ADDITIONAL STORAGE CAPACITY.	REPLACE OLD WRAPPED STEEL PIPE, UPGRADE STORAGE FACILITIES, AND INSTALL TWO NEW STORAGE TANKS.	1999	$610,000
30	C	5268	11	TUD - Crystal Falls Water System	5510010	001	THE WTP IS VERY CLOSE TO ITS CAPACITY WHICH WILL HINDER ITS ABILITY TO MEET THE DEPARTMENT'S CAP. THIS WTP SERVES NUMEROUS COMMUNITIES.	CONSTRUCT A NEW WTP WITH A 1 MGD CAPACITY WITH PROVISIONS FOR FUTURE EXPANSION. THIS PROJECT WILL ALSO ALLOW THE ELIMINATION OF THE CEDAR RIDGE AND MONTE GRANDE WTP'S.	1999	$1,410,000
30	C	5268	11	TUD - Crystal Falls Water System	5510010	002	THE RANCHO POQUITOS MAIN SUPPLY PIPELINE IS STEEL PIPE REQUIRING FREQUENT REPAIR. THE RANCHOS POQUITOS SYSTEM NEEDS TO BE LOOPED FOR RELIABILITY.	CONSTRUCT A PIPELINE TO REPLACE THE OLD STEEL PIPE AND CONSTRUCT AN INTERCONNECTION WITH THE OAK GARDEN SYSTEM.	2000	$38,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
30	C	16075	19	ROSAMOND CSD	1510018	002	THREE AREAS THAT HAVE SUB-STANDARD WATER SYSTEMS WOULD LIKE TO BECOME PART OF RCSD. TWO HAVE SUB-STANDARD SYSTEMS & THE PROPERTIES IN THE 3RD AREA ARE ON PRIVATE WELLS AND SEPTIC TANKS.	BUILD INFRASTRUCTURE TO EACHOF THESE AREAS, REPLACE EXISTING SUB-STANDARD FACILITIES AND CONNECT TO RCSD SYSTEM	1998	$1,000,000
25	C	19	1	Bucktail Mutual Water Company	5301001	001	Cover for in-ground reservoir is deteriorated and beyond repair. Reservoir is susceptible to contamination and system has had total coliform MCL failures.	Construct new concrete block cover for in-ground reservoir	1998	$10,000
25	C	25	13	Barstow Dagget Airport	3600175	001	Bacti failures, inadequate source capacity	Install disinfection equipment, refurbish wellheads and tank, drill new wells	1998	$90,000
25	C	35	13	Meadow Lake Apartments	1400511	001	Single source of supply	Drill additional well	1998	$14,500
25	C	40	19	JAMES WATER SYSTEM	1500462	001	Shallow wells next to Kern River. Slightly elevated manganese levels and unprotected water source	possible water treatment or drill additional wells	1998	$70,000
25	C	59	2	Placer CWA - Monte Vista	3110124	001	Does not have a standby generator and when power is lost, the plant does not work. The water treatment plant does not have the required level of reliability as stated in SWTR Section 64659.	Install standby generator. Involves design and construction.	1999	$30,000
25	C	60	13	Darwin Community Services District	1400098	004	Inadequate storage capacity	Construct new tank	1998	$200,000
25	C	63	13	Chamisal MWC	3600071	001	Old, substandard distribution system and storage facilities	Replace mainline and storage facilities	1998	$100,000
25	C	63	13	West End Mutual (Willow Wells)	3600345	001	Old distribution system resulting in multiple leaks	Construct new mainline and storage facilities	1998	$340,000
25	C	70	1	Callahan Water District	4700503	002	Two inground storage tanks are old and deteriorated with marginal storage capacity. Deteriorated and undersized water mains.	Construct new storage tank and install new water mains.	2002	$650,000
25	C	70	13	North Lone Pine Water District	1400072	001	Old, substandard distribution system	Construct new distribution system	1999	$40,000
25	C	72	12	WATERTEK-METROPOLITAN	1000057	003	EXISTING PIPE LINES ARE OLD, RUSTING AND LEAKING.	INSTALL NEW PIPELINES	1998	$14,000
25	C	75	20	TRAILS END MUTUAL WATER COMPAN	3301682	001	Existing water tank (20,000 gallons) is very old and is leaking around the bottom. It has been repaired with welds; the county has suggested we replace it	We were donated much larger tank (50,000 gal); assemble, sandblast and paint; or construct a new tank	1998	$50,000
25	C	79	2	Clio Public U.D.	3200509	001	Existing storage tank was seriously undermined by spring floods. Without tank the water system has no storage or water to serve.	Construct new 150,000 gallon storage tank. Replace 6,580 feet of 6" water main.	1998	$528,500
25	C	85	19	BURLANDO HEIGHTS MUTUAL WATER CO.	1500336	003	Deteriorating distribution system water lines.	Replace approximately 1500 feet of the distribution system water line.	2001	$81,693

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	85	19	BURLANDO HEIGHTS MUTUAL WATER CO.	1500336	001	Existing water main line is 4" steel-installed in 1959, problems due to age.	Replace 3226' of main line with 6" C-900 pipe; 21 laterals and 2 additional fire hydrants; demolition/removal cost	2006	$549,400
25	C	102	1	Cal Ore Trail Mobile Estates	4700546	002	Existing pump house and wet well deteriorated.	Replace existing pump house and wet well.	2007	$5,000
25	C	110	18	Timber Cove County Water District	4900584	004	Some existing water mains too small to adequately serve the needs.	Install new larger water mains.	1999	$100,000
25	C	110	18	Timber Cove County Water District	4900584	003	Potential low pressure areas.	Larger pressure tank and system for area affected.	2000	$75,000
25	C	110	18	Timber Cove County Water District	4900584	005	Some water mains overlooked when system upgraded. Pipes are particularly vulnerable during new construction and road repairs.	Replace undersized asbestos cement pipes with properly sized pipes.	1999	$45,000
25	C	120	21	WOODSON BRIDGE ESTATES	5200551	001	Low pressure.	Build a water tower for storage.	1999	$0
25	C	120	2	LAKESHORE HEIGHTS MUTUAL WATER	4500014	001	System has insufficient water storage therefore not fulfilling Section 64564 (storage volume) of the Waterworks Standards.	Install a 250,000 gallon storage tank and all plumbing for operation to provide the reliability required by the Waterworks Standards.	1998	$250,000
25	C	120	21	WOODSON BRIDGE ESTATES	5200551	002	Potential water pressure problems.	Construct new lines.	2000	$250,000
25	C	120	2	TAHOMA MEADOWS MUTUAL WATER COMPANY	3100033	001	Single source is an old well. Needs additional source capacity.	Repair or replace the tank.	1999	$75,000
25	C	125	2	EMIGRANT GAP MUTUAL WATER CO.	3103310	002	System lacks reliability as it is supplied from a single well.	Drill an additional well and connect to existing storage tanks several feet away.	2000	$15,000
25	C	130	11	TUD - Phoenix Lake Park	5510025	001	HIGH IRON AND MANGANESE LEVELS IN THE EXISTING WELL. ALSO, OCCASIONAL FECAL COLIFORM BACTERIA IN THE WELL.	INTERCONNECT TO THE ADJACENT SCENIC VIEW WATER SYSTEM.	1999	$36,000
25	C	134	2	LAKESHORE VILLA MUTUAL WATER CO	4500008	001	No backup electrical system. System not fulfilling Section 64560(a)(6) (minimize the effects of power supply failures) of the Waterworks Standards.	Purchase generator compatible with 3 stage electrical system and build a structure to house generator to provide the reliability required by the Waterworks Standards.	1998	$20,000
25	C	178	2	SWEET BRIAR CAMP	4500237	001	Inlet dam eroded. Insufficient storage. Prefilter wooden structure, tank cover & 3 miles of water supply pipe are failing. System not fulfilling Section 64560(a)(6) (adequate capacity) & Section 64560(a)(6) (equipment failures) of the WW Standard	Relocate dam. Install a liner inside the pre-filter box. Install 2 to 4 additional 5,400 gallon water storage tanks and a shed over the tanks. Remove and replace approximately 3 miles of pipe to provide the reliability required by the WW Standards	1998	$150,000
25	C	180	3	Lake County CSA 16 - Paradise Valley	1700516	001	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include water supply and quality. The distribution system should be evaluated.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Kono Tayee water system.	1998	$100,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	188	19	RAINBIRD VALLEY MUTUAL WATER COMPANY	1500393	004	Gate valves on water distribution lines are frozen and need to be replaced. Entire system must be shut down if major repairs are needed. Loss of water supply & pressure.	Replace ten 6 inch and/or 8 inch gate valves on distribution system.	2008	$50,000
25	C	195	13	Gordon Acres (Stewart WC)	3600297	002	Inadequate source and storage capacity	Construct new well and two new reservoirs	1998	$150,000
25	C	195	13	Gordon Acres (Stewart WC)	3600297	001	Numerous waterworks deficiencies	Construct new pressure tank, repair leaks, replace well, replace booster pumps, redwood lines	1998	$150,000
25	C	197	19	LONG CANYON WATER COMPANY CORP.	1500578	001	DIMINISHING CAPACITY FROM WELL	DRILL NEW WELL. OTHER - DESIGN AND CONSTRUCTION	1999	$50,000
25	C	198	11	MPWD-Coulterville CSA 1	2210901	003	The water system infrastructure in Coulterville is thirtyseven years old and, exept for pump failure - most recently July 19, 2007 - is generally considered not to have reached its maximum service life. The problem in Coulterville is with the lack of ba	This project requires drilling a backup well and constucting storage to increase the capacity serving Coulterville, Ca. The request includes funding for planning, engineering, materials, equipment and construction.Materials and equipment include:* well	2008	$410,000
25	C	200	2	Sierraville P.U.D.	4600018	001	Sections of the mainline piping and laterals are deteriorated and undersized. The water storage tank is inadequate in size and has leaks. Excessive water use.	Replace deteriorated and undersized water lines. Repair existing storage tank and add a second tank. Install water meters on all services.	1998	$500,000
25	C	200	12	KINGS CANYON MOBILE HOME PARK	1000267	001	NEED A NEW WELL AND REPLACEMENT OF PIPELINES.	CONSTRUCT A NEW WELL AND REPLACE PIPELINES.	1999	$150,000
25	C	200	1	Redwood Park C.S.D.	0800526	002	150,000-gallon redwood water storage tanks are about 50 yrs. old; one cannot be used; the second tank has rot.	Replace the water tank(s).	2000	$200,000
25	C	200	1	Redwood Park C.S.D.	0800526	001	Redwood tanks do not meet waterworks standards. One Redwood tank is inoperable and the other has numerous rotten or weak areas. Both tanks are 50 years old.	Replace the two water storage tanks with new tanks.	1998	$200,000
25	C	200	14	LIVE OAK SPRINGS WATER COMPANY	3700922	001	The solution to our system's low head line problem requires construction of a new distribution system, adding into the system a pressurization system to deal with customer elevation problems.	Replace existing distribution system, and install pressure system (pressure tanks and pump system).	1998	$1,000,000
25	C	215	1	I'SOT Well #3 & #15	2500911	002	Water system has low pressure and does not fulfill Section 64566 (system pressure) of the Waterworks Standards.	Installation of an elevated storage tank and an enlarged pumping station to provide the reliability required by the Waterworks Standards.	1998	$250,000
25	C	230	13	Golden State Water; Desert View	3600279	001	Old, undersized mainline	Replace mainline	1998	$216,000
25	C	250	3	Clearwater Mutual Water Company	1700546	004	The 35,000 gallon redwood storage for the Clearwater Mutual Water Co. should be replaced in accordance to water permit No. 02-03-98P17005. The storage tank has been in place since 1965. There are several patched holes around the tank, and some leaks on th	Clearwater Mutual Water Company is a small community water system that has 90 active service connections serving a maximum population of 100 persons. Most residences are retired living on a fixed income. The community is considered disadvantaged due to	2009	$140,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	280	1	Hornbrook C.S.D.	4700513	001	System has 11 deadends in distribution supply main lines.	Eliminate deadends by looping. Where looping not possible, provide flushing valves at end of deadend.	1998	$550,000
25	C	300	21	CAMPTONVILLE COMM. SERV. DIST	5800924	001	Insufficient water supply. Dead ends in watermains. Insufficient storage.	Discover and develop water supply spring or well. Construct 1200 feet of 6" mainline. Construct new storage tank.	2000	$94,000
25	C	300	21	Elk Creek Community S.D.	1100616	002	Vulnerability of transmission mainline. Multiple dead end lines that compromise water quality and pressure.	Construct pipeline across creek. Loop dead end lines to reduce problems.	1998	$232,000
25	C	300	10	SAHARA MOBILE COURT	3900964	001	CORRODED STEEL PIPE AND LOW PRESSURE PLASTIC PIPE	REPLACE DISTRIBUTION SYSTEM	1998	$500,000
25	C	325	13	Desert Springs MWC	3600089	002	Compliance Order 36-0018 requires replacement of old, substandard mainline	Replace mainline Phase I	1998	$67,676
25	C	325	13	Desert Springs MWC	3600089	003		Replace mainline Phase III	2000	$69,000
25	C	325	13	Desert Springs MWC	3600089	001		Replace mainline Phase II	1999	$67,676
25	C	330	13	Charles Brown Water Company	1400004	001	Inadequate distribution system piping	Replace distribution system piping	1998	$100,000
25	C	344	19	RAND COMMUNITIES CWD - RANDSBURG	1510016	003	UNDERSIZED MAINS	REPLACE WATER MAINS AND REHABILITATE THE WELL AND BOOSTER PUMPS. OTHER - DESIGN AND CONSTRUCTION	1998	$1,626,000
25	C	344	19	RAND COMMUNITIES CWD - RANDSBURG	1510016	001	THREE OLD 100,000 GALLON STORAGE TANKS WITH CORROSION PROBLEMS.	REPLACE WITH A 500,000 GALLON STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	1998	$1,005,800
25	C	344	19	RAND COMMUNITIES CWD - RANDSBURG	1510016	002	THREE OLD 100,000 STORAGE TANKS AND FAILING DUE TO CORROSION CONTROL	CONSTRUCT THREE NEW 100,000 GALLON STEEL TANK RESERVOIRS. OTHER - DESIGN AND CONSTRUCTION	1998	$409,000
25	C	364	1	Weott C.S.D.	1200553	001	Transmission mains under and over river have been subject to failure. When either line fails, source capacity is not sufficient to prevent outages. System has had outages last 2 summers.	Remove and replace water transmission lines under the south fork of the Eel River.	1998	$50,000
25	C	364	1	Weott C.S.D.	1200553	002	B Tank in poor condition and insufficient capacity to serve connections in zone. Storage capacity does not meet Waterworks Standards.	Remove old tank and install two 50,000 gallon tanks.	1998	$146,000
25	C	364	1	Weott C.S.D.	1200553	005	Water lines from plant to tank in poor condition. Failure of line in'96-'97 winter's storms caused outage for several days.	Remove/replace approximately 1.25 miles of old steel lines. Install connection lines and valves between the two treament lines at the plant.	1998	$25,000
25	C	380	2	Indian Valley CSD - Crescent Mills	3200510	003	Potential contamination of in-ground storage reservoirs	new water mains, laterals	2001	$532,190

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	386	20	Palm Springs Crest	3310081	001	The existing storage tank and water mains are old, deteriorated and unreliable, with limited remaining useful life, involving frequent leaks, repairs, outages, valve work, etc. (see attached documentation)	Design and construct new steel tank to replace old tank, along with 3,000' of new water main tomeet the waterworks standards and increase system reliability.	1998	$356,000
25	C	386	20	Palm Springs Crest	3310081	003	The lower portion of the PZ has excessive pressures, the existing intermediate tank, booster and pipeline facilities are old, deteriorated and unreliable, with limited remaining useful life invovling frequent leaks, repais, outages, valve work, etc.	Design and construct new pressure reducing station, along with 2,500' of new watermain to meet the WWS and abandon the intermediate tank/booster facilities.	1998	$219,000
25	C	386	20	Palm Springs Crest	3310081	002	The PZ currently has only one source of supply comprised of Well 25 with pump, providing no redundancy and inadequate system reliability. The existing watermains are old, deteriorated and unreliable with limited remaining useful life, involving freq	Design and construct new well with pump, modify existing Well 25 pump for delivery to a higher elevation, along with 3,000' of new watermain to meet WWS, increase system reliability, and provide redundancy in source-of-supply.	1998	$397,000
25	C	400	1	Myers Flat M.W.S. Inc.	1200538	001	Inadequate water volume delivery under Highway 101 between storage tank and the system. Insufficient volume and pressure in system main stem line.	Will replace 4-inch PVC main line under Highway 101 with 8-inch PVC. Replace 4-inch PvC with 6-inch PVC main stem line.	1998	$25,890
25	C	400	1	Myers Flat M.W.S. Inc.	1200538	003	System will legally lose their existing source in 2024; Storage tank roof is deteriorated and failing; Distribution system is deteriorated and poses potential cross connections with previous industrial activities in the town	Develop a new water source; Make repairs to existing storage tank; Replace Distribution System	2007	$2,100,000
25	C	435	21	City of Tehama	5200504	002	Existing 4" watermains need to be upgraded to 6" for increased flow and demand, and to allow for 6" fire hydrants for fire protection. Lines are old with leaks.	Replace 8000 lineal feet with 6" mains and valves.	1998	$212,500
25	C	450	19	TRADEWIND WATER ASSOC.	1500406	002	REPLACE DISTRIBUTION SYSTEM DUE TO AGE	SYSTEM AND STORAGE TANK WERE REPLACED	1998	$450,000
25	C	450	4	Town of Sunol-SFPUC	0110012	001	Aging distribution system, inadequate storage.	Replace 2" service main with 4" service mains. Install fire service mains and hydrants within the distribution system; Replace the existing transmission/supply pipeline.	1998	$533,080
25	C	500	2	LASSEN PINES MUTUAL WATER CO	4500210	001	Inadequate storage capacity.	Construct water storage tank.	2003	$300,000
25	C	500	19	LAKE ISABELLA COMMUNITY SERVICES DIST	1503270	001	ABANDONED WELL SITES NEED TO BE DESTROYED. A 2" LINE CONNECTION TO A TRAILER PARK NEEDS TO UPGRADED TO A 4" LINE TO MEET DEMAND.	DESTROY WELLS AND REPLACE WATER LINE	1998	$29,400
25	C	500	14	Jacumba Community SD	3710011	001	Existing wells are in a low lying, flood plane area that may affect operations and water quality during rainy periods.	Drill a new well at an already aquired site that is at an elavation higher than existing well sites.	1998	$67,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	500	13	Knoll Enterprises Inc	3600504	001	High alkalinity in source water	Construct new wells or treatment facility	2002	$500,000
25	C	599	20	West Palm Springs Village	3310078	002	The existing bare steel watermains and appurtenances are old, deteriorated and unreliable, with limited remaining useful life, including frequent leaks, repairs, outages, valves work, etc. (refer to attached documentation)	Design and construct 11,000' of new watermain to meet the WWS and increase system reliability by interconnecting the PZ source of supply sites and storage site with new watermains.	1998	$530,000
25	C	599	20	West Palm Springs Village	3310078	001	The PZ currently has only one source of supply comprised of Well 26 with pump, providing no redundancy and inadequate system reliability.	Construct new well with pump, for increasing system reliability by providing redundancy in source of supply to meet the WWS.	1998	$149,000
25	C	600	19	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	004	GROUND LEVEL STORAGE TANKS DON'T PROVIDE PRESSURE OR QUANITY OF WATER DURING POWER OUTAGES	CONSTRUCT ELEVATED STORAGE TANK	2001	$300,000
25	C	625	13	CSA 70 W-4	3600196	001	Low source production capacity, single high capacity well (55 gpm) exceeds fluoride standard	Construct new well and treatment facility	1998	$150,000
25	C	665	13	East Wood Farms CWU	3600100	002	Insufficient system reliability	Construct new pressure tank, drill well, install meters	1998	$115,767
25	C	695	13	CSA 70 W-3 (Hacienda)	3600114	002	Distribution sysem does not meet waterwork standards	Improve system replace old piple and add booster station	2000	$580,000
25	C	695	13	CSA 70 W-3 (Hacienda)	3600114	005	Master plan does not provide for reliable water system operation	Develop new master plan	2000	$50,000
25	C	695	13	CSA 70 W-3 (Hacienda)	3600114	001	Old, undersized mainline	Construct 5.25 miles of new mainline	1998	$1,164,240
25	C	855	13	Jubilee MWC	3600139	001	Reservoir over 60 years old and failing	Construct new tank	1998	$75,000
25	C	950	13	ARROWHEAD MANOR WATER CO	3610026	005	Storage tanks are old and need to be inspected, relined, or replaced and enlarged to meet daily demands	Inspect and coat or replace existing storage tanks	2002	$220,000
25	C	950	13	ARROWHEAD MANOR WATER CO	3610026	004	Deteriorating distribution system. Distribution system does not meet waterworks standards	Replace 60,000 feet of pipeline	2002	$8,000,000
25	C	1018	3	Lake County CSA 2 - Spring Valley	1710018	003	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include filtration and storage. The distribution system should also be evaluated.	Conduct capacity analysis and develop master plan.	1998	$100,000
25	C	1058	1	City of Tulelake	4710010	001	Have had occasional outages due to old pumps and electrical equipment. Hydrogen sulfide in water is inadequately treated by existing chlorination facilities causing occasional taste and odor complaints.	Replace old pumps and electrical equipment. Replace chlorination facilities with more reliable and effective equipment.	1998	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	1499	12	Kettleman City CSD	1610009	003	UNDERSIZED AND LEAKING STEEL PIPE. EXISTING TELEMENTRY SYSTEM CANNOT BE EXPANDABLE	REPLACE STEEL PIPE WITH AWWA PIPE AND INSTALL NEW BUTTERFLY VALVES. REPLACE THE OLD TELEMETRY SYSTEM WITH A NEW EXPANDABLE TELEMETRY SYSTEM. OTHER - DESIGN AND CONSTRUCTION.	1998	$180,000
25	C	1499	12	Kettleman City CSD	1610009	002	TWO GROUNDWATER WELLS SUPPLY WATER TO THE SYSTEM - THEY RUN CONSTANTLY TO MEET THE SUMMER DEMAND	DRILL A NEW WELL - PROVIDE TREATMENT IF NECESSARY. OTHER - DESIGN AND CONSTRUCTION	1998	$840,000
25	C	1500	1	Redway C.S.D.	1210011	002	Under size main lines, inadequate pressure failure of pipe	Install new main lines in specific areas	2002	$180,000
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	001	Repair steel tanks known as the John, Omar, West, Dick, and Kennedy steel tanks. Structural inspections are needed to assess damage.	Engineering planning design for construction/repair of tanks.	1998	$24,100
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	009	Corrosion problems with John Tank, Omar Tank, West Tank, Dick Tank, and Kennedy Tank. Structural inspections are needed to assess damage.	Engineering design and construction of tanks.	1999	$464,600
25	C	1579	11	TUD - Tuolumne City Water System	5510003	001	DETERIORATED PIPELINES AND INADEQUATE LOOPS IN THE SYSTEM.	CONSTRUCT PVC PIPELINES TO REPLACE DETERIORATED PIPES AND TO LOOP THE SYSTEM.	1999	$26,000
25	C	1792	12	Tipton Community Services Dist	5410014	001	NEEDS ADDITIONAL CAPACITY TO MEET DEMANDS. NO STANDBY POWER.	CONSTRUCT NEW WELL. OTHER - DESIGN AND CONSTRUCTION	1998	$329,000
25	C	1792	12	Tipton Community Services Dist	5410014	002	PIPE CROSSING HWY. 99. OLD AND UNDERSIZED WATER MAINS	REPLACEMENT OF THE EXISTING PIPING WITH NEW PIPELINES AND A CROSSING OF HWY. 99. OTHER - DESIGN AND CONSTRUCTION.	1998	$366,000
25	C	1923	1	City of Dunsmuir	4710002	001	Occasional outages and no storage in upper pressure zone.	Construct storage facilities for upper pressure zone.	1998	$700,000
25	C	2229	20	Cabazon Water District	3310047	001	The District's existing potable water distribution system has a number of pipeline sections that are undersized, leaking, and/or are constructed of substandard materials. See attachment A.	See attachment B	1999	$2,500,000
25	C	2229	20	Cabazon Water District	3310047	003	Construction of a 7,000 LF pipeline to interconnect the District's and Jenson Water Company's existing systems and replacement of 8,000 LF of piplines within the Company's service area. See attachment A	See attachment B	1998	$575,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	2340	12	Terra Bella Irrigation District - TBT	5410038	004	The Terra Bella Irrigation District (TBID) primarily receives its domestic and agricultural water supply through the Friant-Kern Canal of the Central Valley Project. The source of this supply is from the San Joaquin River Watershed. This surface water s	A pipeline that interties the Terra Bella Irrigation District (TBID) and the Vandalia Irrigation District (VID) is needed to provide TBID with water during canal water supply interruptions.The proposed Project consists of the installation of an intertie	2008	$650,000
25	C	2403	1	Garberville Sanitary District	1210008	005	Storage tanks need repairs and the storage capacity is insufficient to meet the maximum daily demand	Repair existing tanks and construct additional 100,000 tanks	2001	$175,000
25	C	2458	3	Clearlake Oaks County Water District	1710001	004	Existing storage does not meet current waterword stds and the possibility of catastrophic failure exists.	Replace storage tank	2007	$725,500
25	C	2458	3	Clearlake Oaks County Water District	1710001	009	Major storage components,(redwood tanks) are deteriorating and will fail causing massive property damage, redwood tanks limit the ability to cycle water to reduce disinfection by-products. Existing storage does not meet current waterworks standards.	Install a 465,000 gallon reservoir and booster station with telemerty and back-up propane generator. Install a 100,000 gallon reservoir and booster station with a propane back-up generator. Install a new booster station with telemetry and a propane back-u	2007	$863,500
25	C	2458	3	Clearlake Oaks County Water District	1710001	001	Treatment plant does not have alternative power source, therefore, fails to meet swtr reliability reqs.	Install a 400 KW generator with electrical switching system	1998	$80,000
25	C	2500	19	ERSKINE CREEK WC	1510009	001	Insufficient source and supply capacity for reliablity.	Interior mainline replacement program	1998	$350,000
25	C	2568	11	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	005	Old and deteriorated water services and water lines. The lines are leaking and causing low pressure problems.	Install new 6-inch PVC water lines and water services. (Ponderosa Dr and Poppy Ln)	2005	$70,000
25	C	2568	11	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	004	Low pressure and water supply problems caused by old and deteriorated 2-inch steel lines.	Install new 6-inch PVC water lines. (Goodell)	2005	$30,000
25	C	2700	2	Cottonwood County Water Dist.	4510007	001	Inadequate storage capacity.	Construct 1,000,000-gallon tank.	2004	$750,000
25	C	2793	12	Pixley Public Util Dist	5410009	006	Existing water mains installed 50+ years ago. Small diameter mains are causing pressure problems and leaking problems.	Looping dead ends and replacement of all 4 inch mains and smaller. Wharf hydrants will also be installed	2007	$1,882,500
25	C	2800	4	City of Vallejo-Lakes System	4810021	002	Water system does not meet requirements of SWTR.	To consolidate with that of the Green Valley Water System.	1998	$3,600,000
25	C	2800	4	City of Vallejo-Lakes System	4810021	003	Water under risk of microbial contamination due to old and corroded cast iron pipes.	replace old pipes in the area with 4,750 lineal feet of 6" PVC pipe including the installation of four new hydrants.	1998	$321,000
25	C	3044	20	Home Gardens County WD	3310018	001	See attachment. NO3 contamination of the local groundwater has caused shut down of the District's most productive wells, and requires purchase of water from City of Riverside at high costs and there is no guarantee of supply.	A water treatment plant with biological denitrification, filtration and disinfection, plus stroage tank for blending, detention and equalization.	1998	$1,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	4011	3	Konocti County Water District	1710006	002	Aged water storage tanks.	Construct new 0.5 MG storage tank.	1998	$625,000
25	C	4011	3	Konocti County Water District	1710006	001	Undersized and aged water mains.	Replace with 6 and 8 inch PVC pipe.	1998	$7,500,000
25	C	6306	12	Huron, City of	1010044	002	RAW WATER FROM THE CALIFORNIA AQUEDUCT IS DELIVERED VIA LATERAL 23R WHICH CAN BE PERIODICALLY SHUT DOWN FOR MAINTENANCE FOR 2 TO 4 DAYS.	PROVIDE A SECOND SOURCE OF SURFACE WATER BY CONNECTING TO LATERAL 22R WHICH IS ABOUT 5,000 FEET AWAY FROM THE PLANT SITE.	1999	$155,000
25	C	7290	1	City of Yreka	4710011	001	Experiencing low pressures at north end of town during high summer demands.	Construct 1.5 MG storage tank for north end of town.	1998	$1,000,000
25	C	7305	12	Woodlake, City of	5410020	006	Capacity issue due to size of elevated water tank being too small.	Construct additional water tank to meet needs and provide adequate fire flow.	2005	$1,500,000
25	C	7305	12	Woodlake, City of	5410020	002	DEAD ENDS IN DISTRIBUTION PIPES RESULTING IN POSITIVE BACTERIOLOGICAL SAMPLING	ENGINEERING TO LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$75,000
25	C	7305	12	Woodlake, City of	5410020	003	NEW WELL AND RESERVOIR CAPACITY TO MEET DEMAND	INSTALLATION OF 500,000 GAL RESERVOIR. OTHER - DESIGN AND CONSTRUCTION	2000	$450,000
25	C	7305	12	Woodlake, City of	5410020	004	LOW WATER PRESSURE AND INADEQUATE FIRE FLOWS IN SOME AREAS OF SYSTEM	VARIOUS SYSTEM IMPROVEMENTS PER "WATER MASTER PLAN". OTHER - DESIGN AND CONSTRUCT. Install water meters on all unmetered services	2007	$1,600,000
25	C	7305	12	Woodlake, City of	5410020	001	CAN NOT SUPPLY PEAK DAY AND PEAK MONTH DEMANDS	CONSTRUCTION OF ADDITIONAL WELL WITH STANDBY POWER. OTHER - DESIGN AND CONSTRUCTION	2001	$300,000
25	C	7318	12	Orosi Public Utility District	5410008	002	OLD AND UNDERSIZED STEEL MAINS CAUSING LOW PRESSURE AND WATER QUALITY.	REPLACE THESE EXISTING PIPELINES WITH NEW 8" DIAMETER PIPELINES TO IMPROVE THE PRESSURE AND WATER QUALITY IN THE AREA AFFECTED. OTHER - DESIGN AND CONSTRUCTION	1998	$1,175,000
25	C	7318	12	Orosi Public Utility District	5410008	003	LOST MAIN WELL DUE TO HIGH NITRATES- WELL NEEDED TO MEET DEMAND	INSTALL NITRATE REMOVAL EQUIPTMENT ON THE WELL HEAD. OTHER - DESIGN AND CONSTRUCTION	1999	$600,000
25	C	7318	12	Orosi Public Utility District	5410008	001	LOW WATER QUALITY - IMPACTED BY HIGH NITRATE AND DBCP LEVELS	INSTALL A 1 MG GROUND WATER STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	1998	$732,000
25	C	7385	3	Golden State Water Co.- Clearlake System	1710002	001	Existing 2 inch steel pipe has deteriorated beyond it's economical life. The existing main has had numerous leaks, requiring shutdown for repair.	Replace with 1,000 ft of 8 inch PVC in Lakeshore Dr.	1998	$90,000
25	C	7475	21	City of Live Oak	5110001	004	Unreliable water supply and insufficient fire flows. The City's system lacks the water storage capacity required by CCR, Title 22, Section 64564. Our current capacity of 25,000 gallons is significantly below our required capacity of 1.2 MG.	The construction of multiple storage tanks would allow the City to meet the storage capacity requirements.	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	7475	21	City of Live Oak	5110001	001	Unreliable water supply and insufficient fire flows. The Department of Health Services is requiring the City to develop additional source capacity to maintain reliable water service to all customers.	Construction of an additional well to satisfy CCR, Title 22, Section 64564 requirements and meet peak demands.	1998	$200,000
25	C	7475	21	City of Live Oak	5110001	002	Unreliable water supply and insufficient fire flows. The system's wells are not equipped with automatic auxiliary power sources for uninterrupted water service during power outages.	The purchase and installation of four generators with automatic switchgear will ensure continuous well operation during power outages.	1998	$140,000
25	C	7475	21	City of Live Oak	5110001	005	Unreliable water supply and insufficient fire flows. Portions of the City's water distribution network are beyond their service life and do not provide adequate flows for fire protection and public safety.	Replacement of these lines will provide required fire flows and sustain existing water service.	1998	$650,000
25	C	7475	21	City of Live Oak	5110001	011	The existing water distribution system is aging and needs to be rehabilitated. The majority of the existing water distribution system in the City of Live Oak was installed between 1947 and 1965. The water distribution system consists of approximately 20	The City of Live Oak is looking to rehabilitate its existing water distribution which consists of 6 and 8 inch water mains, fittings, hydrants, valves, and all associated equipment required to get the water out of its well distribution system and into hom	2008	$400,000
25	C	8100	12	Earlimart PUD	5410021	001	WATER LINES CROSSES HIGHWAY 99. REDUCES DEPENDABILITY OF THE DISTRICT IN CASE OF PIPE FAILURE.	INSTALL SECONDE CROSSING OF HIGHWAY 99 AND REPLACE SOME PORTIONS OF THE SYSTEMS	1998	$780,000
25	C	8500	11	ORANGE COVE CITY OF	1010023	001	THE CITY'S SURFACE WATER ALLOCATIONS BARELY MEET ITS WATER DEMANDS. THE U.S. BUREAU OF RECLAMATION HAS STATED THAT NO MORE SURFACE WATER ALLOCATIONS ARE AVAILABLE.	DEVELOP A SUPPLEMENTAL GROUNDWATER SUPPLY CONSISTING OF AT LEAST FOUR WELLS, TRANSMISSION LINES, BLENDING/MIXING STRUCTURES, AND TREATMENT UNITS, IF NECESSARY.	1998	$3,095,600
25	C	9513	21	Thermalito I.D.	0410008	003	Critical need of steel main line replacement. The district also requires an additional 2.5 MG enclosed reservoir and appurtenances.	Replace old steel mainline. Design and construct new 2.5 MG storage tank.	1998	$4,000,000
25	C	12058	11	PARLIER, CITY OF	1010025	002	Need additional water supply to maintain adequate pressures for domestic and fire flows.	Construct a test well and a new production well.	2004	$601,000
25	C	14000	12	Lamont Public Utility Dist	1510012	001	OLD WATER LINES LOCATED IN ALLEYS 5' WIDE ARE DETERIORATING AND LEAKING WHICH ARE DIFFICULT TO REPAIR.	REPLACE WATER LINES IN NORTH LAMONT. MOVE WATE LINES FROM ALLEYS TO STREET R/W FOR BETTER ACCESS. OTHER - DESIGN AND CONSTRUCTION	1999	$300,000
25	C	14000	12	Lamont Public Utility Dist	1510012	003	DEAD END WATER LINES	LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$120,000
25	C	14000	12	Lamont Public Utility Dist	1510012	002	OLD WATER LINES LOCATED IN ALLEYS 5' WIDE ARE DETERIORATING AND LEAKING	REPLACE WATER LINES IN SOUTH LAMONT. OTHER - DESIGN AND CONSTRUCTON	2000	$325,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	16657	12	Wasco, City of	1510021	001	NO STORAGE VOLUME. DHS RECOMMENDED 3.8 MG OF STORAGE CAPACITY	CONSTRUCT 4.0 MG OF STORAGE AND CONNECT TO SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1999	$4,000,000
25	C	25528	12	Corcoran, City of	1610004	008	CAST IRON PIPES THAT ARE 60 YEARS OLD - EXPERIENCING CONSIDERALBE PIPE LEAKAGE/BREAKAGE IN RECENT YEARS	REPLACE C.I. PIPES WITH AWWA C-900 CLASS 150, IN 6", 8", 10" AND 12" SIZES. OTHER - DESIGN AND CONSTRUCTION	1998	$510,000
25	C	25528	12	Corcoran, City of	1610004	005	UNDERSIZED MAINS IN THE "NILES AREA" - INSUFFICENT WATER SUPPLY OR PRESSURE	WATER MAIN UPGRADING FROM 4" WITH 6" AND 8" PIPE. OTHER - DESIGN AND CONSTRUCTION	1998	$240,000
25	C	25528	12	Corcoran, City of	1610004	002	EXISTING PEAK DEMAND EXCEEDS THE WELL PRODUCTION CAPACITY	DRILL 3 NEW WELLS AND ASSOCIATED PIPING. OTHER - DESIGN AND CONSTRUCTION	1998	$2,160,000
25	C	28000	7	BELLFLOWER - SOMERSET MWC	1910013	002	Inadequate water supply when one main or source of supply is interrupted. Undersized water mains in need of replacement.	Acquire other adjoining system in the city and create one looping waterworks system.	2000	$13,357,700
25	C	38500	20	Mission Springs WD	3310008	002	Lower Dos Palmas area distribution system has undersized waterlines, shallow depth of cover, and numerous leaks on the mainlines and sercie connections to homes.	Replacement of 10,240 linear feet of waterlines, 306 service connections and 24 hydrants - Project No. 29	1998	$1,000,000
25	C	38500	20	Mission Springs WD	3310008	003	East side of Dos Palmas area distribution system has undersized waterlines, shallow depth of cover, and numerous leaks on the mainlines and sercie connections to homes.	Replacement of 10,870 linear feet of waterlines, 251 service connections and 20 hydrants - Project No. 28	1998	$975,000
25	C	38500	20	Mission Springs WD	3310008	001	Upper Dos Palmas area distribution system has undersized waterlines, shallow depth of cover, and numerous leaks on the mainlines and sercie connections to homes.	Replacement of 10,240 linear feet of waterlines, 313 service connections and 18 hydrants - Project No. 28	1998	$1,025,000
25	C	49496	12	Porterville, City of	5410010	002	ADDITIONAL WATER SUPPLY TO MEET PEAK SYSTEM DEMANDS	INTERTIE WITH AIRPORT WATER SYSTEM WITH MAIN CITY SYSTEM ALLOWING AIRPORT WATER WELL TO SUPPLEMENT CITY SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1999	$330,000
25	C	49496	12	Porterville, City of	5410010	004	PROVIDE SOME WATER SUPPLY DURING ELECTRICAL POWER OUTAGE DUE TO MAJOR CATASTROPHY	DESIGN AND INSTALL TEN STAND-BY ENGINES AND ALTERNATE FUEL SUPPLY SYSTEMS. OTHER - DESIGN AND CONSTRUCTIONN	2000	$1,500,000
25	C	66450	15	GSWC - FLORENCE/GRAHAM	1910077	002	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$500,000
25	C	66450	15	GSWC - FLORENCE/GRAHAM	1910077	001	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	1998	$320,000
25	C	66450	15	GSWC - FLORENCE/GRAHAM	1910077	003	UNABLE TO DISINFECT 3 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	1998	$45,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	173359	13	SAN BERNARDINO CITY	3610039	010	Additional storage needed	Construct Scott Laboratories 4.5 MG reservoir	2001	$2,250,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	002	Replace older transmission main	Construct 4000 ft Devore transmission main to replace existing 16 inch line built in 1940	1998	$315,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	005	Undersized transmission main	Replace 12 inch 'E' Street main with 24 inch	1999	$240,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	006		Replace 12 inch Foothill Blvd main with 16 inch	2000	$450,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	007		Replace 16 inch Meridian main with 24 inch	2000	$750,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	008		Replace 16 inch Cajon Canyon well field line built in the 1920's with a 24 inch	2000	$750,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	004		Replace 20 inch Baseline main with 36 inch	1999	$950,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	012	Additional storage needed	Construct 2 MG Ogdon reservoir	2001	$1,000,000
25	P	20	13	Olancha Elementary School	1400042	001	Lead levels less than action level	Construct new distribution system and tank	1998	$18,000
25	P	35	1	MJUSD-Arlington Elem. School	2500513	001	Insufficient supply to fulfill Section 64562 (quantity of supply) of the Waterworks Standards.	Drill a new well into a different higher flow strata to provide the reliability required by the Waterworks Standards.	1998	$17,345
25	P	35	1	MJUSD-State Line School	2500515	001	Existing pressure tank frequently waterlogs and therefore does not fulfill Section 64560(a)(6) (minimize the effects of equipment failures) of the Waterworks Standards.	Replace old pressure tank with modern bladder type tanks to provide the reliability required by the Waterworks Standards.	1999	$9,050
25	P	50	1	Jack Norton School	1200741	001	Storage tank and infiltration gallery require repair. Sanitary defects could affect water quality.	Replace entire roof on storage tank and repair infiltration gallery as necessary.	1998	$3,000
25	P	175	3	Leggett Valley School	2300785	001	Quality, quantity, storage, bad test results.	Well relocation, upgrade storage, better purification system.	1998	$100,000
25	P	350	21	LASSEN VIEW SCHOOL	5200538	001	Need new chlorination system because of State mandates.	Obtain new chlorination system.	2001	$10,000
25	P	625	21	GERBER UNION ELEM SCHOOL DIST	5200519	001	Well is 43 years old and needs to be replaced.	Drill new well and delivery system (including electric hookup).	1998	$0
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	006	Area 2 boosters need remediation	Replace booster facility	1998	$150,000
25	N	70	18	Camp Royaneh-Boy Scouts of America	4901105	001	80+ year old system. Many leaks, not mappying, single line, pipe size ranges 1/2-1/4".	Complete repipe all new connections, fire hydrants, automation of level control	2007	$200,000
25	N	110	12	CAMP KEEP SIERRA	5402055	001	Need backup delivery system to main camp when repairs made to existing transmission main; high water use fixtures (toilets/urinals); sediment in lines; no means to measure water consumption.	Install 600' transmission main; reokace existing fixtures with low flow fixtures (9toilets, 2 urinals); install sediment strainers at 4 locations; install 3 flow meters.	2000	$10,200

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	N	240	16	MALIBU CONSERVATION CAMP	1900994	002	PROBLEM WITH CONTAMINATION OF WATER SYSTEM (CAMPYLOBACTER) WITH LEAKS IN FRESH WATER LINE AND POSSIBLE CROSS CONNECTION IN THIS OBSOLETE WATER SYSTEM.	REPLACE FRESH POTABLE WATER SYSTEM WITH NEW LINES AND CONNECTIONS	1998	$800,000
20	C	20	2	Johnsville Public U.D.	3200505	001	Additional water required for existing system. Complete fire loop in town.	Water available above present springs and dam. Construct 300 to 400 feet of pipeline.	1998	$100,000
20	C	25	21	BUZZTAIL MUTUAL WATER COMPANY	0400091	002	Existing storage tank is insufficient to supply community water system. Currently the water system is under a service connection moratorium.	Construct a new 63,000 gallon storage tank.	1998	$35,000
20	C	25	9	MARKLEEVILLE WATER CO.	0202504	001	Creek source inadequate to meet demand and distribution system leaks badly.	Locate additional water source and replace pipeline.	1998	$2,000,000
20	C	29	11	HIDDEN VALLEY TRAILER PARK, INC	5500127	001	DUE TO AGE UNDERGROUND PIPES MUST BE REPLACED AND THE COUNTY REQUESTS WE CEASE USING THE WELL AND HOOK UP TO PUBLIC WATER	CONNECT TO PUBLIC WATER SUPPLY. OTHER -DESIGN AND CONSTRUCTION	1998	$65,000
20	C	40	19	RANCHO SECO INC. WATER SYSTEM	1500327	001	PUMP HOUSE FOUNDATION CRACKED, WATER MAIN ABOVE GROUND, WATER TANK LEANING, WATER PRESSURE IS NOT CONSISTENT, MAINS ARE METAL	CONSTRUCT A NEW SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$500,000
20	C	50	1	Shasta View Heights Owners Association	4700630	001	Transmission line from backup well was washed out during January 1997 floods. Also well may have possibly been damaged from flooding.	Determine if well has been damaged by flood. If so, drill new well. If not, install new transmission line connecting well to system.	1998	$60,000
20	C	50	21	MEADOWBROOK OAKS	0400026	002	Aging system	New water lines for distribution	2006	$75,000
20	C	50	20	MORNING SKY SCHOOL	3301947	001	Failure of main well pump and boost pump. Need to develop alternate well as back up water resource including tank, goost pump and pressure tank.	Replacement of failing equipment and outfiitting of alternate well.	1998	$10,000
20	C	55	5	Venture Estates MWC	3500552	001	System is aging and has high TDS - 1300 ppm, and high Na - 500ppm.	Construct a pipeline to connect to Sunnyslope water system.	1998	$60,000
20	C	58	2	SMITH CREEK MUTUAL WATER CO.	3200086	001	The system's 63,000 gallon steel water tank will require some major preventative maintenance and repair in the near future.	Hire contractor to remove sand deposits, sandblast and recoat interior, repair support columns and paint exterior of tank.	1998	$10,000
20	C	60	21	BEND MOBILEHOME & RV PARK	5200512	001	Small water system that occasionally has bad water quality readings (bacteriological).	Solve problem with treatment (chlorination).	1998	$40,000
20	C	60	5	BLACKIE RD WS #18	2702094	001	System needs a standby generator, a pumphouse, and disinfection equipment.	Install all of the above.	1998	$35,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	63	17	Oakmont Water System	4300526	002	Oakmont Water is currently served by a wholesale connection to San Jose Water Co (SJWC) (paying retail water rates). Oakmont has requested SJWC acquire Oakmont (consolidation) but they require our system be upgraded to PUC standards. This will require t	All of the exisitng 2600 LF of mains will need to be replaced with 6 inch DIP.All of the exisitng 26 service connections (5/8th) will be replaced along with the main replacement.The exisiting 22,000 redwood water storage tank will need to be replaced wi	2008	$420,000
20	C	70	21	COUNTRY AIR MOBILE HOME PARK	5800823	001	Aging wells, valves and distribution lines.	Upgrade current system to ensure adequate safe supply.	1998	$8,000
20	C	70	9	SIERRA PINES MOBILE HOME PARK	0202522	002	Single well source lacks reliability. Pressure is low.	New pump and pressure system using larger storage tank.	1998	$50,000
20	C	70	9	SIERRA PINES MOBILE HOME PARK	0202522	001	System needs a second source and a storage tank to meet the demands.	Install larger tank and larger pump.	1998	$50,000
20	C	70	14	LAZY H MUTUAL WATER COMPANY	3700937	001	Substandard old water distribution system with 1 1/2" - 6" tuberculated mains, allowing low flow capacities - inadaquate fire protection.	Replace 11250' mains and laterals with 8" and 4" C900 pipe, upgrade service connections.	1998	$213,500
20	C	75	2	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	004	Old disinfection tank showing signs of internal deterioration, not fulfilling Section 64560(a)(6) (minimize effects of equipment failure) of the Waterworks Standards.	Replace disinfection tank to provide the reliability required by the Waterworks Standards.	2001	$6,500
20	C	75	2	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	002	Unprotected treatment/disinfection and water storage facilities not fulfiling Section 64560(a)(7) (protect against unauthorized entry and vandalism) of the Waterworks Standards.	Install chain link fence around pumping/disinfection and remote storage facilities to provide the protection required by the Waterworks Standards.	1999	$5,000
20	C	75	2	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	005	Aging storage tank not fulfilling Section 64560(a)(6) (minimize effects of structural failure) of the Waterworks Standards.	Replace storage tank to provide the reliability required by the Waterworks Standards.	2002	$65,000
20	C	75	19	PINON HILL WATER COMPANY	1500540	005	Inadequate water supply; no outages but rationing required to meet summer demand.	Drill new well or consolidate with neighboring water system, if possible	2007	$200,000
20	C	80	1	Oak Valley Acres P.O.A.	4700638	002	Experienced low pressure problems during peak demands.	Install new, higher capacity well pump and two new 5,000 gallon storage tanks.	1998	$13,000
20	C	80	1	Oak Valley Acres P.O.A.	4700638	001	Booster station for upper pressure zone consists of a single booster pump which is old and near the end of its useful life.	Purchase and install a new booster pump and recondition the existing pump and use it for a backup.	1998	$2,500
20	C	87	2	CREEKSIDE VILLAGE WATER SYSTEM	3100052	001	System lacks reliability as it is supplied by a single well and insufficient storage capacity.	Connect to PCWA. Involves Construction and other.	1998	$130,000
20	C	90	18	Rancho Del Paradiso-Cal Water Svc (PUC)	4900514	001	System WAS in non-compliance with swtr, NOW needs ONLY storage and fix inadequate sized mains.	(Install approve filtration system,) NOW replace existing 5,000 gal tank with 10,500 gal concrete tank and new transmission lines.	1999	$158,500
20	C	90	11	SIERRA VILLAGE MOBILE HOME PARK	5500353	002	Need more storage and system reliability.	Install storage and water lines.	2001	$75,000
20	C	95	4	SUNRISE TRAILER PARK	4800512	001	Small PWS located within City of Vacaville PWS	Purchase water and consolidate with the City of Vacaville	2001	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	95	4	SUNRISE TRAILER PARK	4800512	002	Small trailer park with private water system located completely within the Vacaville City Water service area	Purchase and install new 2" metered service connection to City of Vacaville water system.	2002	$100,000
20	C	95	9	WESTERNER MOBILE HOME PARK	3400331	001	Low water pressure.	Consolidation.	2000	$50,000
20	C	99	10	DUNROVIN MOBILE HOME VILLAGE	0500068	001	LACK OF BACK-UP POWER AND A BACK-UP PUMP	INSTALL GENERATOR AND SMALL BACK-UP PUMP	1998	$20,000
20	C	100	21	MIRA MONTE WATER CO.	5200560	001	System only has one well and if it were to have a problem the water system would have to drill a new one.	Construct new well for water system.	1999	$30,000
20	C	100	21	RIVER HIGHLANDS COM.SERV.DIST	5800820	001	Water system has numerous minor defects that are not in compliance with the Waterworks Standards; disinfection system needs to be updated	Fix backwash system. Repair telemetry system. Install piping restraints and numerous safety items; upgrade disinfection system	1998	$30,000
20	C	100	21	MERRY MOUNTAIN MUTUAL	0400013	006	lack of storage	new tank	2004	$230,000
20	C	100	21	MERRY MOUNTAIN MUTUAL	0400013	004	lack of adequate source and storage capacity	new well, pump, and tank	2004	$300,000
20	C	100	21	MERRY MOUNTAIN MUTUAL	0400013	005	lack of emergency power	new generators	2004	$75,000
20	C	100	2	Feather River RV and MHP	3200148	001	Valves and pipes need replacement where damaged or stressed from age. Shutoff valves inadequate.	Shut down entire system and install pipes where needed and valves where necessary.	1999	$15,000
20	C	108	5	HOLLY HILLS MWC	2701789	001	Insufficient water pressure, insufficient storage, and insufficient pumping volume.	New pumping station, new well, and increase storage.	1998	$150,000
20	C	109	21	Mineral County Water District	5200503	003	Need more storage and increased capacity	Drill second well and add more storage tanks	2001	$50,000
20	C	110	12	Pine Flat Water Company	5410034	001	ADDITIONAL STORAGE CAPACITY, REPLACE OLD LINES THAT DATE TO 1920's	INSTALLL NEW WELLS AND STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	1998	$300,000
20	C	110	10	MAURLAND MANOR WATER SYSTEM	3900543	001	SINGLE WELL SYSTEM WITH PRESSURE PROBLEMS.	INSTALL PRESSURE TANK, REPLACE LINES WITH LARGER PIPES AND CONSOLIDATE WITH SYWSTEM 3901348. OTHER = DESIGN AND CONSTRUCTION	1998	$400,000
20	C	120	21	PONDEROSA SKY RANCH WATER SYSTEM	5200562	002	Holding capacities not adequate piping system in need of 50% to 75% replacement, alternate pump.	New holding tank 100,000 gal. Lay new piping system, alternate pump, alternate energy source for power.	2001	$200,000
20	C	130	2	Greenhorn Creek Services District	3200188	002	Undersized water mains and insufficient storage and pumping facilities to provide fire flow.	Replace undersized water mains, increase capacity of booster stations, construct additional storage tanks.	2006	$1,135,430
20	C	135	19	DONEY STREET NEIGHBORHOOD ASSOC.	1500284	001	SMALL SIZE, HIGH OPERATION/MAINTENACE COSTS, LACK OF BACK-UP WATER SUPPLY, OCCASIONAL BAC-T FAILURES.	CONSOLIDATE SYSTEM WITH EAST NILES & REFINANCE EXISTING DEBT. OTHER - REFIANCE, DESIGN & CONSTRUCTION	1998	$400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	140	1	Big Lagoon CSD	1200592	001	Interruptions in water delivery during power outages which occur frequently in winter months and may be 3 to 5 days duration. No emergency power supply and no gravity tank.	Purchase water system; overhaul electrical system; and add a generator to ensure continuous water delivery.	1998	$100,000
20	C	146	19	METTLER COUNTY WATER DISTRICT	1500401	001	NO BACK-UP WATER SOURCE	DRILL NEW WELL AND CONNECT TO SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$200,000
20	C	146	10	GAYLA MANOR PWS	3900563	001	SINGLE WELL SYSTEM HAS OLD WELL. NO AUXILIARY POWER.	REPLACE EXISTING WELL AND ADD AUXILIARY POWER. CONSOLIDATE WITH NEIGHBORING WATER SYSTEMS. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
20	C	147	21	HOWELL S LAKESIDE WATER CO.	5200007	001	System needs two 1000 gallon tanks, two air compressors, two chlorinators, and miscellaneous plumbing.	Install new tanks, upgrade pumps, clean wells and install plumbing.	1998	$100,000
20	C	150	13	Aberdeen Resort	1400020	001	Undersized mainline	Replace mainline and loop system	1998	$105,000
20	C	150	10	RITE OF PASSAGE/SIERRA RIDGE	0500091	001	DISTRIBUTION SYSTEM NEEDS REPLACEMENT	REPLACE DISTRIBUTION SYSTEM.	1998	$73,000
20	C	150	11	MD#60 DILLON ESTATES	2000849	001	Water System does not meet fire flow and storage requirements. System has no back up generator for possible power outage. System is in critical fire zone and cannot provide adequate fire protection.	Complete consolidation with maintanance district 43 Miami creek. Drill high production well. Replace storage tank,distribution system and boost pumps to meet fire flow requirements.	2008	$1,800,000
20	C	150	9	Kirkwood Meadows Pubilc Utilit	0210002	001	Inadequate water supply. Existing wells produce low gpm.	Drill additional water well and related treatment facility construction.	1998	$300,000
20	C	160	20	Pinyon Pimes County Water Dist	3301512	001	Old water mains that are in need of upgrades, causing water outages during summer months.	Replace substandard mains.	1998	$75,000
20	C	180	13	Keeler CSD	1400036	004	Old substandard mainline	Replace mainline	1998	$125,000
20	C	180	13	Keeler CSD	1400036	002	Inadequate storage capacity	Construct new 150k tank	1998	$125,000
20	C	180	13	Keeler CSD	1400036	003	No redundant source of supply	Construct new well	1998	$195,000
20	C	200	12	A & A MHP	5400504	001	Needs back-up storage tank and well	Drill new Well	1998	$150,000
20	C	200	3	Adams Springs Water District	1700501	001	Outdated system with many nonworking valves, fire hydrants, service lines.	System rebuild.	1998	$500,000
20	C	215	2	Grizzly Lake RID-Crocker/Welch	3200107	002	Water production is near capacity. Inadequate storage. Inadequate mainline valves.	Drill new well. Install 200,000 gallon storage tank. Install four new valves.	1998	$204,000
20	C	225	11	MOTHER LODE MOBILE ESTATES	5500125	002	The system has an old, undersized storage tank.	Installation of a new storage tank.	2002	$20,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	230	12	FCSA #32/CANTUA CREEK	1000359	001	SURFACE WATER IS PROVIDED FROM THE WESTLANDS WATER DISTRICT. DURING THE LAST 12 MONTHS, WESTLANDS' WATER LINES HAVE BROKEN TWICE LEAVING THE COMMUNITY WITHOUT WATER.	INSTALL AN ADDITIONAL STORAGE TANK TO INCREASE STORAGE CAPACITY FOR SYSTEM RELIABILITY.	1998	$200,000
20	C	249	5	SAN JERARDO COOP WS	2701904	001	System needs a new well to replace one of two aging wells. Also, needs a standby generator and disinfection equipment.	Drill new well and install new pump facilities. Obtain a standby generator and disinfection equipment & install them.	1998	$145,000
20	C	273	11	TAMARRON MOBILE HOME PARK	5500193	001	LOW WATER PRESSURE, BROKEN LINES AND ONE TIME CONTAMINATION AND PUMP PROBLEMS	REPLACE PUMPS AND PIPING. OTHER - DESIGN AND CONSTRUCTION	1998	$75,000
20	C	300	1	California Pines C.S.D.	2500503	001	Existing wells have insufficient output to fulfill Section 64562 (quantity of supply) of the Waterworks Standards. Water tank needs new inside coating.	Drill a new well to provide the reliability required by the Waterworks Standards. Recoat the interior of the water tank.	1998	$50,000
20	C	300	20	HIGH VALLEYS WATER DISTRICT	3301775	001	The tank transmission pipeline is improperly installed and has had major leak problems. From main tank we have miles of pipe in the same condition.	For the past 3 yrs. We have replaced approx. 1 mile a year of the bade pipe with ductile iron. This is approx. all that the budjet will allow. Although replacing pipe in the worst areas has helped, to save cost we replace all the pipe in house.	1998	$3,000,000
20	C	375	3	Lake County CSA 7 - Bonanza Springs	1700544	002	System needs a capacity analysis and master plan to comply with Lake County General Plan. Current deficiencies include extremely high turbidity in the source water.	Conduct capacity analysis and develop master plan, study possibility of consolidation with Loc Lomand water system.	1998	$50,000
20	C	400	1	Big Rock C.S.D.	0800532	002	Unfiltered surface water (infiltration gallery).[	Design and installation of a filtering system at the chlorination building.	1998	$45,000
20	C	400	14	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938	002	Various pipe segments are very old and troublesome with many repairs per mile. Some will not support fire flows.	Replace 10,840' of main lines with CML/C or C900 PVC pipe.	1998	$314,300
20	C	450	2	VERDE VALE WATER COMPANY	4500007	001	Pressure system causes pump to run excessively. Deteriorating float system makes it difficult to regulate water level. System not fulfilling Section 64560(a)(6) (minimize the effects of equipment failures) of the Waterworks Standards.	Replace float system in reservoir; Replace pressure system; Update pumping system and electrical to provide the reliability required by the Waterworks Standards.	1998	$10,000
20	C	490	1	Westhaven C.S.D.	1210024	001	Low pressure in portion of distribution system. At times of high demand, pressure drops to below 20 psi.	Booster station and/or new main line.	1998	$50,000
20	C	500	12	LSID-Strathmore System	5410036	002	WELL WATER CAPACITY AND AVAILABILITY INADEQUATE DURING WINTER MONTHS-AS BACKUP SUPPLY	MANIFOLD DISTRICT GROUND WATER WELLS TO INCREASE CAPACITY AND YIELD. OTHER - DESIGN AND CONSTRUCTION	1999	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	510	2	STARLITE PINES MUTUAL WATER CO INC	4500195	003	Reservoir aged and repairs are required every year. System not fulfilling Section 64560(a)(6) (minimize the effects of structural failure) of the Waterworks Standards.	Repair complete reservoir to provide the reliability required by the Waterworks Standards.	1998	$10,000
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	007	Capacity shortfalls are experienced during peak demands in the Scenic View, Mono Village, and Sonora systems.	Construct a new SWTP to serve the Scenic View, Mono Village, and Sonora systems.	2007	$10,825,000
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	008	The District owns and operates 14 water treatment plants (WTP) that serve 13,000 treated water customers. The majority of these WTPs are of limited treatment capacity and capability. There are an excessive number of water treatment plants for the numbe	The District owns a parcel of land that is adequate for the construction of a surface water treatment plant that could meet the needs of existing customers, committed parcels and existing residents of the community. The proposed project would provide for	2008	$5,342,625
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	001	THE HEIGHT OF ONE OF THE TWO STORAGE TANKS NEEDS TO BE RAISED TO PROVIDE ADEQUATE STORAGE CAPACITY TO MEET PEAK SYSTEM DEMANDS.	EXTEND THE HEIGHT OF THE SHORT TANK. ALSO CONSOLIDATE THIS SYSTEM WITH THE APPLE VALLEY AND PHOENIX LAKE PARK SYSTEMS.	2000	$40,000
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	005	THE CINDER BLOCK TREATED WATER STORAGE TANK IS ON THE VERGE OF COLLAPSE.	CONSTRUCT A 200,000 GALLON STEEL STORAGE TANK.	1998	$142,000
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	002	THE DISTRIBUTION SYSTEM ALONG THE UPPER END OF MIDLAND DRIVE HAS NUMEROUS LEAKS.	REPLACE THE DETERIORATED PIPELINE IN MIDLAND DRIVE.	1999	$48,500
20	C	625	11	TUD-Scenic View/Scenic Brook	5510033	003	DURING PEAK PERIODS, THE WATER TREATMENT PLANT IS A MAXIMUM CAPACITY.	CONSTRUCT A PIPELINE TO INTERCONNECT WITH THE APPLE VALLEY SYSTEM AND DRILL A NEW WELL.	1998	$60,000
20	C	630	11	MD#33 FAIRMEAD	2000554	001	THE SYSTEM DOES NOT HAVE ENOUGH WATER TO MEET THE GROWING NEEDS OF THE SYSTEM.	CONSTRUCT A NEW WELL.	1998	$250,000
20	C	700	13	GREEN VALLEY MWC	3610023	002	This project is for the purpose of water distribution system replacement. The project covers replacement of aspestos cement (a.c.) pipe that is approximatly 45 years old. Much of the distribution system is substandard in size 4 inch diameter and does not	Project is to replace existing 45 year old aspestos cement pipe distribution system with minimum standard of 6 inch or greater (as needed) of PVC C-900 pipe. Included in this project will be the replacement of metered service line replacement for domesti	2008	$5,000,000
20	C	707	21	Del Oro Water Co.-Magalia	0410009	001	Water shortage. Degradation of water quality.	Will be alleviated with the current construction of an intertie and new storage tank.	1998	$376,000
20	C	820	12	Tranquillity Irrigation Dist	1010030	001	THE SYSTEM'S RELIABILITY NEEDS TO BE IMPROVED BY THE REPAIR OF TWO WELLS, CONSTRUCTION OF A NEW WELL, REPAIR OF STORAGE TANK AND INSTALLATION OF A NEW STORAGE TANK AND CHLORINATION SYSTEM.	REPAIR WELLS NOS. 4 AND 5, CONSTRUCT NEW WELL NO. 6, IMPROVE TELEMETRY SYSTEM, REPAIR EXISTING ELEVATED STORAGE TANK, INSTALL NEW CHLORINATION SYSTEM, AND INSTALL A NEW STORAGE TANK.	1998	$570,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	820	12	Tranquillity Irrigation Dist	1010030	003	Total coliform violations attributed to build up of sulfate reducing bacteria in approximately 5 miles of asbestos cement pipelines in town.	Remove existing asbestos cement pipelines and replace with PVC pipe.	2005	$2,000,000
20	C	861	10	San Joaquin County - Wilkinson Manor	3910024	001	SEVERAL (8) NEIGHBORING INDEPENDENT WATER SYSTEMS.	CONSOLIDATE INTO A SINGLE SYSTEM. OTHER = DESIGN AND CONSTRUCTION.	1998	$3,000,000
20	C	868	5	Normco WC	2700511	001	System needs standby generator, two sets of disinfection equipment, and two pumphouses.	Acquire and install all of the above.	1998	$90,000
20	C	870	13	Golden State Water-Mor Del Norte	3600270	002	Old, undersized mainline	Replace mainline	1998	$74,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	001	PROBLEM LONG DEAD END LINES. INABILITY TO SERVE PEAK FLOW	LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCT	2005	$875,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	002	WATER SUPPLY SOURCES OF CONCERN DUE TO DBCP CONTAMINATION AND LARGE FIRE FLOW REQUIREMENTS OF INDUSTRY.	NEW WATER SUPPLY WELL EAST OF THE COMMUNITY. OTHER - DESIGN AND CONSTRUCTION	1999	$500,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	004	LACK OF AVAILABLE STORAGE TO MEET PEAK AND FIRE FLOW	INSTALL NEW 750,000 GALLON WATER STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	2005	$750,000
20	C	957	10	San Joaquin County - Thornton	3910009	001	ONE WELL TESTED POSITIVE FOR COLIFORM	DRILL A NEW WELL.	1998	$450,000
20	C	957	10	San Joaquin County - Thornton	3910009	002	Continuing source water bacteriological failures (total coliform) at Well No. 2 in Thornton.	Construct replacement well including engineering, feasibility study, environmental and property acquisition.	2002	$881,550
20	C	1018	3	Lake County CSA 2 - Spring Valley	1710018	005	Quantity of water supply is inadequate during peak demand periods.	Increase storage and distribution facilities to improve delivery during high demand periods.	2007	$1,500,000
20	C	1200	18	Penngrove Water Company (PUC)	4910003	001	No storage.	Add 1 MG tank to adjacent system and consolidate.	1998	$1,750,000
20	C	1236	12	Laton Community Services District	1010020	002	THE TWO ACTIVE WELLS ARE LOCATED ON THE SAME SIDE OF TOWN AND CAN NOT PROVIDE ADEQUATE WATER TO THE OTHER SIDE OF TOWN IN A RELIABLE MANNER.	CONSTRUCT A NEW WELL ON THE EAST SIDE OF THE SYSTEM.	1998	$348,000
20	C	1236	12	Laton Community Services District	1010020	001	EXISTING DISTRIBUTION SYSTEM ON LATONIA AND ARMSTRONG AVENUES IS OLD STEEL PIPE AND IS UNDERSIZED.	REPLACE EXISTING LINE WITH A NEW 8" PVC LINE AND RECONNECT SERVICES.	1998	$163,000
20	C	1266	12	Buttonwillow CWD	1510011	001	INSUFFICIENT WATER FLOW FOR FIRE PROTECTION. NEED TO REPLACE THE EXISTING DISTRIBUTION LINES FOR PROPER WATER DELIVERY.	REPLACE 4" LINES WITH 8" LINES AND LOOP THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	1266	12	Buttonwillow CWD	1510011	003	Water well number #4 is contaminated with Arsenic (11 to 14 PPB) in excess of State and Federal Safe Drinking Water Maximum Contaminant Level (MCL) of 10 PPB.	The District proposes to install 1,300 feet of 10 inch water line to supply water from the Districts clean wells (#2 and #3) to blend with well #4s Arsenic contaminated water at wellsite #4. A blending station and a 0.5 MG storage tank will be installe	2007	$780,000
20	C	1300	9	Knights Landing Svc. Dist.	5710004	001	New well is needed to reliably meet existing water demand.	Construct groundwater well, hydropneumatic tank, auxiliary power unit, controls and piping.	1998	$150,000
20	C	1650	17	Skyline County Water District	4110015	004	May consolidate with SWS because of SWS's waterworks and source problems.	Grant funds to study system consolidation. Loan funds debt service would like to have incurred by systems requesting consolidation with the district/	1998	$30,000
20	C	1650	17	Skyline County Water District	4110015	002	Need emergency back-up generator at single pump station.	Install an emergency back-up generator.	1998	$150,000
20	C	1650	17	Skyline County Water District	4110015	001	Severe pressure fluctuations create potential for backflow hazard.	Construction and pump station in Mountain Meadows area.	1998	$961,000
20	C	1678	12	Woodville Public Utility Dist	5410025	001	HOLE IN WELL CASING - WELL SANDING	DRILL NEW WELL	1998	$300,000
20	C	2000	11	MARIPOSA PUBLIC UTILITY DIST	2210001	002	EXCESSIVE WATER LEAKS IN THE WATER DISTRIBUTION SYSTEM.	REPLACE DETERIORATED WATER MAINS WITH NEW MAINS IN CONFORMANCE WITH THE CALIFORNIA WATERWORKS STANDARDS.	1998	$1,185,000
20	C	2000	11	MARIPOSA PUBLIC UTILITY DIST	2210001	004	CONSTRUCTING FACILITIES FOR AN ADDITIONAL WATER SUPPLY TO RELIABLY MEET THE SYSTEM'S DEMANDS.	REFINANCE THE CURRENT BALANCE OF THE ASSESSMENT DISTRICT.	1998	$2,500,000
20	C	2100	21	Arbuckle Public Utility District	0610001	001	Small main lines (1 1/2" and 2"). Low water pressure for domestic service.	Replace or install 2,300 feet of water main.	2002	$125,000
20	C	2500	3	Cobb Area County Water District	1710012	003	Bolted steel tank, circa 1940, has obvious signs of metallurgic failure.	construct new storage tanks.	1998	$94,000
20	C	2500	3	Cobb Area County Water District	1710012	004	Several areas of the District are served by steel pipe that has become less and less reliable due to its age.	Replace existing steel mains with pipes more impervious to corrosion.	1998	$195,000
20	C	2500	2	City of Portola	3210003	002	See attached	See attached	2000	$1,681,500
20	C	3239	12	Armona Community Services Dist	1610001	002	DRILL NEW WELL TO MEET FIREFLOW AND PEAK DEMANDS	DRILL A NEW WELL AND AQUIRE PROPERTY. OTHER - DESIGN AND CONSTRUCTION	1998	$650,000
20	C	3239	12	Armona Community Services Dist	1610001	004	WATER QUALITY PROBLEMS. NEEDS TO DRILL NEW WELL OR INSTALL A WTP	NEEDS TO DRILL NEW WELL OR INSTALL A WTP	1998	$2,186,300
20	C	3239	12	Armona Community Services Dist	1610001	005	Currently, there is insufficient water supply to meet the peak demands of the community at appropriate water pressure.	Install new water storage tank at Well Site No. 2.	2005	$500,000
20	C	3239	12	Armona Community Services Dist	1610001	006	Insufficient water supply to serve existing population while meeting secondary water quality standards.	Install a new well.	2005	$800,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	3300	18	Russian River County Water District	4910008	001	The distribution system and storage tanks are in poor condition. The source well is inaccessible at flood stage (Russian River).	Consolidate with adjacent public water district. Install intertie, replace storage tanks and distribution system. Hacienda water system would be acquired and annexed to Russian River County Water District (population 2,000).	1998	$1,600,000
20	C	3441	10	Angels, City of	0510003	003	Substandard 35 year old 10" diameter steel main serving City of Angel. Multiple leaks	Replace 3750 linear feet of 10" diameter steel main with 10" diameter C900 main.	2000	$298,375
20	C	4613	15	GSWC - WILLOWBROOK	1910072	002	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$100,000
20	C	4613	15	GSWC - WILLOWBROOK	1910072	003	UNABLE TO DISINFECT MWD CONNECTION	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	1998	$15,000
20	C	4613	15	GSWC - WILLOWBROOK	1910072	001	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	1998	$100,000
20	C	5132	20	Coachella VWD: I.D. NO. 8	3310048	001	Old deteriorating water mains installed in the 1950's are routinely leaking and or breaking.	Replace distribution pipelines to prevent contamination caused by leaks or breaks in the pipelines. In addition, extend and loop distribution pipelines to eliminate dead end lines per CA Water Works Standards, Chapter 16.	2003	$1,000,000
20	C	5200	3	Lakeport, City of	1710004	003	Diminishing water production capacity, low water pressures.	Provide additional water production facilities and upsize lines.	1998	$5,300,000
20	C	5412	17	Montara Water and Sanitary District	4110010	015	System requires standby diesel powered generator for increased reliability.	Standby diesel powered generator (including diesel storage tank).	1998	$206,000
20	C	5412	17	Montara Water and Sanitary District	4110010	016	System requires telemetry facilities for increased reliability.	Telemetry facilities from airport well to school house tank.	1998	$47,000
20	C	5412	17	Montara Water and Sanitary District	4110010	020	Alta Vista Water Treatment Plant requires improvements for system reliability.	Alta Vista water treatment plant	1998	$250,000
20	C	5412	17	Montara Water and Sanitary District	4110010	019	Park and Guntren wells require improvements for system reliability.	Park and Gutren Well improvements	1998	$460,000
20	C	5412	17	Montara Water and Sanitary District	4110010	018	Airport well #4 requires improvements for system reliability.	Airport well #4 Improvements	1998	$238,000
20	C	5412	17	Montara Water and Sanitary District	4110010	005	Distribution mains need replacement due to age and unreliablity.	Main replacement and installation.	1998	$1,843,568
20	C	5412	17	Montara Water and Sanitary District	4110010	017	System requires telemetry facilities for increased reliability.	Telemetry facilities to Alta Vista storage tank.	1998	$39,000
20	C	5412	17	Montara Water and Sanitary District	4110010	014	System requires electrical rehabilitation for greater reliability.	Elecrtrical rehabilitation (including MCC units , conduit/siring)	1998	$156,000
20	C	5412	17	Montara Water and Sanitary District	4110010	013	Portola tank requires telemetry and booster pump for increased reliability.	Portola tank 100,000 gal telemetry and booster pump.	1998	$140,000
20	C	5412	17	Montara Water and Sanitary District	4110010	009	Reservoir rehabilitation.	Replace school house tank ,rehab Alta Vista tank, repair or replace Potola tank.	1998	$1,550,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	5412	17	Montara Water and Sanitary District	4110010	006	Distribution valves are unreliable and need replacement.	Installation and/or replacement of pressure relief, check and control valves.	1998	$281,810
20	C	5412	17	Montara Water and Sanitary District	4110010	001	Insufficient capacity in wells resulting in unreliable water supply.	Improve capacity of Portola, Alta Vistam Drake, Park, and Wagner wells.	1998	$1,000,000
20	C	5412	17	Montara Water and Sanitary District	4110010	003	Insufficient capacity in aquifer resulting in unreliable water supply.		1998	$1,000,000
20	C	5500	16	MAYWOOD MUTUAL WATER CO. #1	1910084	002	Tank damaged by earthquake. If tank fails, will be out fo water.	New storage tank.	2003	$500,000
20	C	5812	14	Holtville, City of	1310005	005	Expand the existing clearwell storage at water treatment plant in order to have an adequate supply to service residence to be annexed which are currently receiving raw unfiltered canal water which does not meet coliform standards.	See attached description (attachments 2).	2002	$2,302,050
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	006	Leaky, old undersized water mains.	Install and replace 6000 feet of distribution main.	2009	$1,121,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	004	Water outage during power outages due to communication failure between sites. Leaky, old, undersized pipe	Construct 120,000-gallon storage tank, hydropneumatic booster station with emergency power connection. Install 4,000 ft of 6-inch water main.	2007	$1,000,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	007	Old, leaky, undersized main	Install and replace distribution mains.	2010	$1,014,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	008	Leaky, old undersized water mains.	Install and replace 5,000 feet of water main.	2011	$838,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	009	Leaky, old, undersized distribution mains	Install and replace 6,000 feet of distribution main.	2011	$1,121,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	005	No emergency power, limited storage, no telemetry; leaky, old, undersized mains.	Install redundant pumps, emergency generator, and SCADA; Install 1,700 feet of 6-inch water main.	2008	$565,000
20	C	6525	21	City of Orland	1110001	001	Insufficient storage capacity according to the Department of Health Services.	Replace old 80,000 gallon elevated storage tank with a new 1 MG storage tank.	2000	$1,500,000
20	C	7500	13	MUSCOY MWC NO. 1	3610031	002	Well 1 does not meet state standards, structure subject to vandalism	Rehabilitate well and block wall	1998	$90,000
20	C	7500	13	MUSCOY MWC NO. 1	3610031	001	Old transmission lines	Replace transmission lines	1998	$637,715
20	C	8000	2	Clear Creek CSD-Anderson	4510016	001	No alternate source of water for emergency. Deadend lines need to be looped to fulfill Section 64560(a)(6) (minimize the effects of equipment failure) and Section 64626 (layout of water mains) of the Waterworks Standards.	Drill new well and loop deadend lines to provide the reliability required by the Waterworks Standards.	1998	$850,000
20	C	8495	11	PINEDALE COUNTY WATER DISTRICT	1010026	001	Some of the District's water mains are old and deteriorated.	Install new water mains and water meters.	2007	$4,650,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	10115	11	CHOWCHILLA CITY WATER DEPT	2010001	003	UNDERSIZED MAINS. SYSTEM FAILS CURRENT DOMESTIC AND FIRE FLOW REQUIREMENTS	REPLACE WITH 8" PVC PIPE. OTHER - DESIGN AND CONSTRUCTION	2000	$200,000
20	C	10115	11	CHOWCHILLA CITY WATER DEPT	2010001	002	DETERIORATED AND COLLAPSED CASING IN OPEN BOTTOM WELL, SHUT DOWN IN 1995.	CONCRETE SEAL EXISTING OPEN-BOTTOM WELL #5 THAT WAS ABANDONED DUE TO FAILURE IN 1995 AND DRILLED NEW WELL TO LARGER SIZE AND DEPTH TO PROVIDE REQUIRED DOMESTIC AND FIRE FLOWS TO SERVE EXISTING DEVELOPED AREA. OTHER - DESIGN AND CONSTRUCTION	1998	$400,000
20	C	10115	11	CHOWCHILLA CITY WATER DEPT	2010001	001	UNDERSIZED AND OLD DETERIORATED 4" STL WATER PIPE THAT IS OVER 55 YRS OLD. SYSTEM FAILS TO MEET CURRENT STANDARD DOMESTIC AND FIREFLOW PRESSURES.	INSTALL 8" AND 12" PVC PIPE. LOOP THE SYSTEM WITH 12" MAIN CONNECTING TO THE WATER WELL. OTHER - DESIGN AND CONSTRUCTION	1999	$335,000
20	C	10115	11	CHOWCHILLA CITY WATER DEPT	2010001	004	UNDERSIZED AND DETERIORATED PIPE. SYSTEM FAILS DOMESTIC AND FIREFLOW PRESSURES.	INSTALL NEW 8" WATER PIPE LOOP AND REPLACE PIPE WITH 8" AND 10" PVC. OTHER - DESIGN AND CONSTRUCTION	2001	$506,000
20	C	10115	11	CHOWCHILLA CITY WATER DEPT	2010001	005	UNDERSIZED AND DETERIORATED 6" AND 8" PIPE. SYSTEM FAILS DOMESTIC AND FIREFLOW REQUIREMENTS	REPLACE PIPE WITH NEW 12" PVC MASTER LOOP SYSTEM FROM WELL #10. OTHER - DESIGN AND CONSTRUCTION	2002	$557,000
20	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	001	INSUFFICIENT STORAGE DURING PEAK DEMAND PERIODS.	CONSTRUCT A 1 MILLION GALLON TREATED WATER STORAGE TANK.	1998	$420,000
20	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	004	MCKIBBIN DRIVE PIPELINE IS AN OLD WRAPPED STEEL PIPE THAT IS LEAKING.	REPLACE THE STEEL PIPE WITH A NEW PVC PIPE.	2001	$52,000
20	C	11185	12	Lindsay, City of	5410006	001	DISTRIBUTION PROBLEMS	CANAL SUPPLY LINE, 2.5 MG STORAGE TANKS, TWO NEW WELLS, INFRASTRUCTURE IMPROVEMENTS, PRESSURE SYSTEM LOOPS, RAW WATER TREATMENT PLANT IMPROVEMENTS. OTHER - DESIGN AND CONSTRUCTION	1998	$12,842,000
20	C	11405	21	Del Oro Water Co.-Paradise Pines	0410011	001	Water shortage of 1,000 gpm.	Well exploration and development.	1999	$500,000
20	C	11405	21	Del Oro Water Co.-Paradise Pines	0410011	002	Storage shortfall and Tanks #1 and #2 need rehabilitation.	Construction of 1.5 MG storage tank, and interior sandblasting and recoating plus exterior painting of Tanks #1 and #2.	1998	$1,017,500
20	C	13550	21	City of Red Bluff	5210004	003	Inadequate storage capacity.	Construct 1MG storage reservoir.	1998	$1,305,000
20	C	13550	21	City of Red Bluff	5210004	004	Long dead end watermain to hospital.	Loop water system to remove dead end to hospital.	1998	$800,000
20	C	13550	21	City of Red Bluff	5210004	005	Water circulation problems between Well #4 and Well #8.	Construct joining pipeline between Well #4 and Well #8.	1998	$100,000
20	C	13550	21	City of Red Bluff	5210004	006	Water pressure and flow problems between Walnut/Paskenta/Airport roads.	Install new pipeline.	1998	$600,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	13550	21	City of Red Bluff	5210004	008	Lack of storage capacity in zone north of Hwy 36E/99E.	Construct new 1MG reservoir.	1998	$1,305,000
20	C	13550	21	City of Red Bluff	5210004	009	Inadequate water service along Sale Lane.	Install 16" watermain to alleviate water pressure and service problems.	1998	$800,000
20	C	13550	21	City of Red Bluff	5210004	011	Single watermain connecting two ends of water system.	Install a transmission watermain in Antelope Blvd.	1999	$1,100,000
20	C	13550	21	City of Red Bluff	5210004	016	Low pressure in areas of the city. Inadequate main line size in areas. Absence of looping in parts of the system.	Install 1MG storage reservoir and well. Loop two major service areas with appropriate size mains.	1998	$3,000,000
20	C	14000	7	TRACT 180 MUTUAL WATER CO.	1910159	001	Transmission lines were installed in the late 1940's and early 1950's. They are deteriorating. Experience 3 - 4 main leaks per day at times	Replace water mains/transmission lines.	2000	$1,500,000
20	C	14098	20	San Jacinto, City of	3310032	001	Shortage of well capacity, water quality problems due to iron and manganese. Also, the City's distribution system is very old and under sized creating low-pressure problems.	The City plans to drill two more wells, build one or two Fe/Mn treatment plants, upgrade and replace the old distribution mains. Add additional surface storage.	1998	$1,500,000
20	C	14501	12	Shafter, City of	1510019	001	A LOW-INCOME AREA WAS ADDED TO SYSTEM AND IN PUTTING A BURDEN ON THE SYSTEM. THE NEW AREA IS ISOLATED FROM THE SYSTEM	DRILL A NEW WELL IN THIS AREA AND ADDING A STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	1998	$475,000
20	C	15132	1	McKinleyville C.S.D.	1210016	001	Need backup supply; vulnerability to seismic disruption.	Construct new wells and retrofit existing facilities.	1998	$946,790
20	C	16180	7	WALNUT PARK MUTUAL WATER CO.	1910169	001	Old reservoirs are in need of replacement. Insufficient water supply.	Design and construct two (2) new tanks, one domestic well and new pumping station.	1998	$975,000
20	C	16349	12	Avenal, City of	1610002	006	EASTERLY SIDE OF DISTRIBUTION SYSTEM EXPERIENCES LOW PRESSURE PROBLEMS UNDER MAXIMUM WATER DEMAND CONDITIONS.	CONNECT TO THE PRISON HIGH PRESSURE PIPELINE WITH PRESSURE REDUCING STATIONS. FIRE HYDRANTS, VALVES, AND PIPELINES SHALL BE REPLACED TO IMPROVE THE RELIABILITY OF THE SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$250,000
20	C	16349	12	Avenal, City of	1610002	002	POWER OUTAGES IN SWTR DUE TO LACK OF BACK-UP GENERATOR	INSTALL EMERGENCY GENERATOR. OTHER - DESIGN AND CONSTRUCTION	1998	$390,000
20	C	16349	12	Avenal, City of	1610002	003	A BACK-UP MAIN AND RE-LIFT PUMPING PLANT CAN ONLY OPERATE AT ONE HALF THE DESIGN FLOW RATE UNDER MANUAL CONTROL.	REPLACE THE MAIN AND RELIFT TELEMETRY CONTROL SYSTEM, PUMP MAINFOLDS, VALVING AND SWITCH GEAR AS REQUIRED TO MAINTAIN AN EMERGENCY BACKUP PUMPING PLANT SYSTEM FOR FUTURE OUTAGES. OTHER - DESIGN AND CONSTRUCTION	1998	$190,000
20	C	17500	13	TWENTYNINE PALMS WATER DIST	3610049	002	Old mainline	Replace 46 miles of mainline	1999	$5,000,000
20	C	17500	13	TWENTYNINE PALMS WATER DIST	3610049	001	Need additional storage	Construct 2 MG reservoir	1998	$1,200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	18569	22	HUNTINGTON PARK-CITY, WATER DEPT.	1910049	001	1) Contaminated water wells. 2) Cracked & leaking old concrete water reservoirs. 3) Undersized water mains. 4) Water wells that need to be properly abandoned 5) Elevated water storage that is obsolete and not earthquake or siesmic safe.	Design and construct replacement facilities. Develop a priority list.	1998	$17,000,000
20	C	19000	1	Humboldt C.S.D.	1210009	001	Humboldt Hill and Pine Hill areas of the system experience sporadic bacteriological positives, traced to sanitary and structural problems with Humboldt Hill reservoir.	Replace the defective Humboldt Hill reservoir. Include related projects dealing with reliability in area.	2001	$1,947,000
20	C	20047	20	Hemet, City of	3310016	003	Based on 1997 annual inspection, the City needs to increase our source of water.	Drilling of well.	1998	$550,000
20	C	20047	20	Hemet, City of	3310016	004	Based on 1997 annual inspection, the City does not beet the minimum storage requirements.	To build 5 MG reservoir.	1998	$1,500,000
20	C	20047	20	Hemet, City of	3310016	002	Based on 1997 annual inspection and based on projected growth the City needs to increase our service of water.	Drilling of well	1999	$550,000
20	C	23950	12	CWS - Selma	1010024	001	PEAK FLOW DEMAND IS EXPECTED TO EXCEED PRODUCTION CAPACITY OF EXISTING WELLS DURING THE SUMMER MONTHS.	CONSTRUCT A ONE MILLION GALLON STORAGE TANK AND BOOSTER PUMP FACILITY.	1998	$805,000
20	C	25694	14	Brawley, City of	1310001	004	Water line distribution system is inadequate and aging causing inadequate water supply to existing residents. In addition, the age of the distributions system results in an inordiante amount of breakage causing interruptions of water serice to City.	City wide replacement of aged distribution system. Redesign of the system to provide better system with less possibility of interruption.	1998	$12,500,000
20	C	28500	20	Banning, City of	3310006	002	No storage in the Northend of the Water system. Need storage to meet the peak demands,	Construct additional storage of approximately 4 million gallons.	2000	$5,000,000
20	C	45892	4	City of Brentwood	0710004	002	Rehabilitate decommissioned water treatment plant for potable water supply.	Do a strudy to determine the most efficient and practical manner to update the plant. Design the plant upgrades and construction to update and modernize the existing water treatment plant to bring it into compliance with the SWTR.	1999	$2,000,000
20	C	45892	4	City of Brentwood	0710004	019	Provide emergency power to the wells.	Purchase and install 5 emergency generators at the above locations.	1998	$600,000
20	C	45892	4	City of Brentwood	0710004	004	Replace polybutylene lines in the distribution system that cause leaking and water quality problems.	replace polybutylene lines	1998	$400,000
20	C	45892	4	City of Brentwood	0710004	005	Study and apply treatment to the well water that exceeds nitrate MCL standard.	Do a Nitrification Study master plan to determine the best way to to treat well water for nitrate problems.	1998	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	45892	4	City of Brentwood	0710004	011	Replace aging/failing valves in the distribution system with new ones.	replace 255 of the 3000 valves with new valves and dresser couplers.	1999	$850,000
20	C	45892	4	City of Brentwood	0710004	012	Investigate and rehabilitate Wells 7 & 8 that occasionally have water quality problems.	TV the wells and check for any holes or cracks in the sleeve.	1998	$150,000
20	C	45892	4	City of Brentwood	0710004	009	Replace water main (4-in) that has low flow with 6-in. pipe.	Replace the lines to these homes with 6" lines. Replace meters and hydrants for more efficient and healthier system.	1999	$430,000
20	C	45892	4	City of Brentwood	0710004	003	Construct a new water treatment plant to improve water quality and supply.	Design and construct a new water treatment plant to meet the standards in Section 64653 and the demands on the system.	1999	$44,000,000
20	C	66000	7	LAKEWOOD - CITY, WATER DEPT.	1910239	002	Aged 2.5 MG Plant #2 reservoir create possible structural and contamination problem.	Design and construct a replacement storage facility of similar capacity to the existing structure.	2001	$1,500,000
20	C	66000	7	LAKEWOOD - CITY, WATER DEPT.	1910239	004	Refinance. Poor reliability of undersized water mains in the recently purchased portion of the County Water Co. located in the city's boundaries.	In 1997, the City replaced the mains and services to upgrade the water pressure and improve service to the customers.	1998	$130,700
20	C	68297	20	Jurupa Community SD	3310021	002	Insufficient water supply due to high nitrate wells being taken out of service and wells with coliform (see attached documents).	Drill a municipal well that will yield 1,300 gpm and connect into the District's San Sevaine Way Pipeline..	1998	$500,000
20	C	68297	20	Jurupa Community SD	3310021	003	Replace water line that have 3 or more leaks per year.	Replace piplines as shown on Figure 1 (see attached documents).	1998	$458,000
20	C	68297	20	Jurupa Community SD	3310021	004	Lack of a pipeline to consolidate the Company's service area with Jurupa CSD to increase system reliabilty (See attached documents).	Construct a 12" CML/CMC from the District's Bain St. pipeline along Mission Blvd. To Avon St. (Figure 1).	1998	$650,000
20	C	68297	20	Jurupa Community SD	3310021	005	Insufficient water supply due to increasing nitrate levels of welss along van Buren Blvd. T25/R6W - Section 9 SBBM	Ion exchange treatment of groundwater supplies. (see attached report)	1998	$2,000,000
20	C	68297	20	Jurupa Community SD	3310021	006	System has insufficient water supply to reliably meet demands.	Convert two wells used by Space Center Mira Loma, Inc. to municpal purposes.	1998	$600,000
20	C	68297	20	Jurupa Community SD	3310021	007		Construct the Riverside North Groundwater Basin Project (see attached report).	1998	$5,400,000
20	C	68297	20	Jurupa Community SD	3310021	001	Insufficient water storage facilities (see attached documents).	Construct 2 MG welded steel water storage facilities at Jurupa Community Services District's 980' PZ storage tank site.	1998	$940,000
20	C	68297	20	Jurupa Community SD	3310021	008	Nitrate levels in wells. Reranked to M from F (Dist let 9/20/01)	Distribution system improvements to pump safe water to system to reduce nitrate levels.	2001	$721,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	003	HOFFMAN WELL #2 HAS BEEN OFF-LINE DUE TO TCE>10 PPB.	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT HOFFMAN SITE.	1998	$300,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	001	DARWELL WELL HAS BEEN OFF-LINE DUE TO TCE>10 PPB. PCE AND OTHER VOCS ARE ALSO PRESENT. ALSO CONFIRMED CR > MCL.	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT DARWELL SITE.	1998	$300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	002	BISSELL WELL #1 HAS 1,2 DCA > MCL	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT BISSELL SITE.	1998	$300,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	005	TCE AND PCE CONTAMINATED WELLS (GAGE WELL #1 AND #2, TCE,PCE NEAR MCLS)	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT GAGE SITE.	1998	$300,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	006	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	1998	$320,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	007	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$700,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	008	UNABLE TO DISINFECT MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	1998	$15,000
20	C	68645	15	GSWC - BELL, BELL GARDENS	1910011	004	WASTON WELL HAS TCE>7 PPB AND DETECTABLE PCE	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT WATSON SITE.	1998	$300,000
20	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	005	Low pressure, undersized Mains, in the area bounded by Alondra, Long Beach Blvd., Marcelle and Panness.	Replace mains with 8" D.I. Project involves: Design and Construction	2000	$1,000,000
20	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	001	Low pressure, undersized mains, mains located in easements in area bounded by Acacia, Douglas, Willowbrook, and Winnona.	Replace mains with 8" D.I. and relocate to streets. Project involves: Design, and Construction	1998	$700,000
20	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	007	Low pressure, undersized mains in area bounded by Oaks, McDevitt, Rosecrans & Van Ness.	Replace mains with 8" D.I. Project involves: Design and Construction	2002	$1,800,000
20	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	006	Low pressure, undersized mains in area bounded by Marcelle, Burris, Greenleaf & Temple.	Replace main with 8" D.I. Project involves: Design and Construction	2001	$1,200,000
20	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	002	Low pressure, undersized mains in area bounded by San Vicente, Bullis, Compton Blvd. and Holly.	Replace mains with 8" D.I. Project involves: Design, and Construction	1999	$1,400,000
20	C	71000	22	COMPTON-CITY, WATER DEPT.	1910026	004	WW standards defects. Low pressure in NE section of system; leaks, outages in major pipeline.	Design and construct 12 inch D.I., 10,000 feet, replacement pipeline in Long Beach Blvd.	1999	$1,600,000
20	P	32	11	Cedar Lodge Resort	2210900	001	THE SOURCE CAPACITY IS UNRELIABLE.	INSTALL ADDITIONAL WELLS OR A SURFACE WATER TREATMENT PLANT TO TREAT WATER FROM THE MERCED RIVER.	1998	$200,000
20	P	40	13	Deep Springs College	1400068	001	Inadequate storage capacity	Construct new tank	1998	$30,000
20	P	40	13	Deep Springs College	1400068	002	Inadequate distribution system piping	Replace distribution system piping	1998	$60,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	P	100	9	DIAMOND VALLEY SCHOOL	0202501	001	Only one well source and pressure is very low.	Increase depth and capacity of wells and holding tanks for fire and pressure problem.	1998	$35,000
20	P	100	5	SAN BENANCIO SCHOOL WS	2701227	001	Water system is old and deteriorating and has no back-up system. The school needs a dependable water supply.	The system would like to physically consolidate with Ambler Park Water Company.	1998	$175,000
20	P	120	1	Devil's Garden Conserv. Camp	2510800	001	Deterioating storage tank, no disinfection; one well (no back-up system).	Drill a new well, install new tank and install new disinfection system, including building.	2000	$250,000
20	P	130	2	IGO ONO SCHOOL	4500188	001	Pipes in ground and in school building are rusty and leaking. System not fulfilling Section 64560(a)(6) (minimize the effects of equipment failures) of the Waterworks Standards.	Remove and replace all pipes leading from storage tank into the old school building to provide the reliaiblity required by the Waterworks Standards.	1999	$50,000
20	P	150	21	TEHAMA CO.-WALNUT ST. COMPLEX	5200005	001	See attached notes	See attached notes	2001	$0
20	P	172	21	Capay Joint Union Elem. School	1100527	001	The main waterline from the well has a restriction in it allowing only 15 gpm of water usage.	Improve waterline and install another 525 gallon tank in-line with the other one.	1998	$5,200
20	P	670	9	RIO TIERRA JUNIOR HIGH SCHOOL	3400263	001	The site well and associated motor, storage tank are deteriorating and have reached the end of their life cycle. These were installed when the school was built in 1964. The well water has often times tested positive for coliform.This project will allo	Project will consist of tying (consolodation) into city water system. Trenching 550 ft. and laying six inch water main.Installing backflow device at city tie-inRe-routing of existing water line from well to new six inchwater main from city main.Disase	2008	$203,000
20	P	1000	12	WASHINGTON UNION HIGH SCHOOL	1000221	001	DBCP detectable in wells 1 & 3; cross-connections throughout campus btw domestic & irrigation supplies; random positive bacteriological results.	Upgrade distribution system to eliminate cross-connections, construct new wells & replace distribution lines.	2001	$255,000
20	P	1400	9	GRANT HIGH SCHOOL (SWS)	3400259	001	The site well and associated motor and storage tank are deteriorating and have reached the end of their life cycle. These were installed when the school was built in the early fortys. The well water has often times tested positive for Coliform.The proj	The project will consisit of tying (consolodating) with a large water system.Trenching 800 ft. to city tie in.Installing six inch water main to school.installing backflow device at city tie in.Re-routing of existing water line to new six inch main.Re	2008	$185,000
20	P	2050	9	DON JULIO JUNIOR HIGH SCHOOL	3400260	001	The well and associated motor, storage tank are deteriorating and reached the nd of their life cycle. They were installed when the school was built in 1962. The well water has often times tested positive for Coliform. Consolodating with a large water syst	The project will consist of of tying i(consolodation) into the city water system. Trenching approximately 600 ft. Installing a six inch watr main to the site.Installing backflow device at city tie in.Re-routing of existing water to new six inch main.	2008	$220,000
20	N	26	13	Lucerne Valley Parks & Rec (CSA 29)	3600452	001		Sources of water in the Lucerne Valley area are individual systems (parcel-by-parcel, well-by-well) operated by property owners and small mutual water companies, some of which currently cannot meet service requirements and will not likely be able to accom	2008	$3,700,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	N	30	13	Association of Well Owners	3600541	001	Multiple mainline leaks	Replace mainline and meters	1998	$15,000
20	N	90	12	ALPINE VILLAGE WATER CO.	5400708	001	EXISTING STORAGE TANK LEAKS DUE TO RUSTED FLOOR. INABILITY TO ISOLATE PORTION OF SYSTEM TO REPAIR LEAKS. INABILITY TO MEET PEAK DAILY DEMAND DURING DRY SEASONS.	INSTALL NEW STORAGE TANKS, LOOP THE WATER SYSTEM, ADD VALVE TO ISOLATE THE SYSTEM, INSTALL A CENTRAL PUMP CONTROL SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$68,300
20	N	400	1	JH Ranch	4700807	001	System has no gravity storage and experiences low pressures during peak demands.	Have already installed storage tanks with own funds. Need to install piping and controls to connect tanks with existing water system.	1998	$75,000
20	N	600	18	CSP-Armstrong Redwoods State Reserve	4910306	001	Exisitng AC transmission lines separating two areas of park are failing.	Develop new well at north end of park to serve north day use area.	2000	$85,000
15	C	28	13	Sierra North Community Services District	1400109	001	Inadequate source and storage capacity	Construct new well and tank	1999	$25,000
15	C	40	13	Keough s Hot Springs	1400034	002	Single well supplies system	Construct new well and tank	1998	$41,500
15	C	40	13	Keough s Hot Springs	1400034	003	Inadequate source and storage capacity	Construct new well and tank	1998	$50,000
15	C	40	13	Keough s Hot Springs	1400034	001	Old, substandard distribution system	Construct new distribution system	1998	$75,000
15	C	45	3	Sunrise Shore Mutual Water Company	1700536	001	Well source influenced by surface water. Aging distribution system.	Install conventional filtration. Replace distribution system.	2000	$150,000
15	C	48	10	MINERAL MOUNTAIN MUTUAL WATER	0500019	002	UNSATISFACTORY DISTRIBUTION LINES	REPLACE THIN WALL PVC LINES WITH SCHEDULE 40 PVC	1999	$9,700
15	C	50	14	H & J WATER COMPANY	3700073	003	Two-inch diameter water mains.	Install four-inch diameter mains.	2002	$21,000
15	C	52	2	CEDAR CREEK MOBILEHOME PARK	4500063	001	The spring source and storage tank are shared with a a school, making it difficult to fulfill Section 64560(a)(2) (protect the quality of the water) of the Waterworks Standards.	Drill two wells and install pressure tanks and distribution lines to proivde the reliaiblity required by the Waterworks Standards.	1998	$15,000
15	C	60	11	MAMMOTH POOL MOBILE HOME PARK	2000589	001	INADEQUATE SUPPLY RESULTS IN LOW PRESSURES.	INSTALL A NEW PUMP AND STORAGE TANK, AND A TREATMENT SYSTEM.	1998	$15,000
15	C	60	11	MAMMOTH POOL MOBILE HOME PARK	2000589	002	Well is in close proximity to a surface water source. However, sampling results have not shown that it is under the direct influence of surface water. System has no storage.	Construct a new well and install storage.	2000	$17,500
15	C	85	11	SIERRA TWAIN HARTE MOBILE PARK	5500096	001	SYSTEM'S TWO WELLS CAN NOT SUPPLY ENOUGH WATER IN THE SUMMER MONTHS.	CONSTRUCT AN ADDITIONAL WELL.	1999	$25,000
15	C	99	21	BERRY CREEK COMMUNITY SER DIST	0400016	001	Water system has a number of leaky distribution system mains.	Replace distribution system main piping.	1998	$50,000
15	C	100	2	CASCADE RACQUET CLUB MUTUAL WATER	4500012	001	System has insufficient storage and lack of standby power. System not fulfilling Section 64560(a)(6) (minimize the effects of power supply failure) and Section 64564 (storage volume) of the Waterworks Standards.	Construct hydropneumatic storage tank; build larger pumping facility with standby generator to provide reliability required by the Waterworks Standards.	1998	$40,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	100	13	Foothill Lone Pine Mobile Home Park, LLC	1400037	001	Single well, inadequate storage capacity	Construct new well and tank	1998	$48,000
15	C	100	11	MD#43 MIAMI CREEK KNOLLS	2000557	001	THE WATER SYSTEM WAS INSTALLED IN THE EARLY 60'S AND IS VERY UNRELIABLE. IT CONSISTS OF 4 VERY LOW PRODUCTION WELLS AND A DETERIORATED DISTRIBUTION SYSTEM. THE SYSTEM MUST BE CHLORINATED TO MEET THE TCR.	CONSTRUCT A NEW DISTRIBUTION SYSTEM AND A 50,000 GALLON STORAGE TANK.	1998	$250,000
15	C	100	11	SA#14 CHUK CHANSE SUBDIVISION	2000724	001	The system has experienced several total coliform MCL violations, however, none since September 2005. The well also produces an adequate source of supply.	Construct a new well and replace portions of the distribution system.	2007	$850,000
15	C	100	9	BEAR STATE WATER WORKS	0900217	001	Needs second source and storage tank.	Add new well, storage, and treatment facilities. Involves study, design and construction.	2000	$200,000
15	C	105	2	TUCKER OAKS EAST WATER DISTRICT	4500303	001	Water supply recently determined as corrosive, causing pitting and leaks in cold water copper pipe within the homes served. System not fulfilling Section 64560(a)(2) (protect the quality of the water) of the Waterworks Standards.	Add metered chemical to water supply at the well head to raise pH to 8.0 or above and thereby eliminate corrosivity and provide the reliability required by the Waterworks Standards.	1998	$20,000
15	C	105	2	TUCKER OAKS EAST WATER DISTRICT	4500303	003	A second (backup) pump is needed to fulfill Section 64560 (a)(6) (minimize the effects of power supply failue) of the Waterworks Standards.	Install a second pump in the well casing in order to work in tandem with the existing pump and serve as a backup in the event of the failure of one pump to provide the reliability required by the Waterworks Standards.	1998	$12,000
15	C	125	18	Plaza Mobile Home Park	4900787	001	Low water pressure because well can't handle the demand.	Activate 2nd existing nonoperational well by installing new pumps and chlorination system and enclose.	1998	$2,000
15	C	125	18	Plaza Mobile Home Park	4900787	002	low water pressure because one well can't handle system demand	Activate second existing non-operating well by installing new pump, chlorination system, and enclosure.	2000	$5,000
15	C	125	2	Spaulding/Eagle Lake MWC	1800534	001	Low water pressure.	Replace 2-inch pipes with 6-inch pipes throughout the water system.	2001	$125,000
15	C	130	13	BIRCHIM COMMUNITY SERVICE DIST	2600501	001	Old mainline	Replace mainline	1998	$250,000
15	C	135	1	Abrams Lake Mobile Estates	4700542	002	One spring house pump and the booster pump have broken down and are inoperable.	Replace spring house pump and booster pump.	2007	$7,500
15	C	140	19	CWS-GRAND OAKS WATER SYSTEM	1500374	001	INADEQUATE DISTRIBUTION SYSTEM AND STORAGE RESULTING IN PERIODIC LOW PRESSURE DURING PERIODS OF HIGH DEMAND	DRILL AND EQUIP NEW WELL AND INSTALL ADDITIONAL STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION.	1998	$200,000
15	C	150	11	VOLTA COMMUNITY SD	2400201	001	NO BACK-UP CAPACITY OR ELECTRICAL POWER FACILITIES.	DRILL NEW WELL AND PROVIDE GENERATOR.	1998	$50,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	170	18	Michele Mutual Water Company	4900552	001	Aging system, steel pipes circa 1956, mains: 4 & 6 inch.	Replace mains and upgrade hardware in the process: 40,000 gal redwood tank, approx. 7,400 feet of mains, wells and pumps as required.	1998	$190,000
15	C	175	13	Oak Glen Domestic Water	3600185	001	Old substandard mainline	Replace mainline	1998	$200,000
15	C	200	13	LOWER ROCK CREEK MUTUAL WATER CO.	2600538	001	Inadequate storage capacity	Construct new 100k gal tank	1999	$80,000
15	C	200	13	LOWER ROCK CREEK MUTUAL WATER CO.	2600538	002	Inadequate pressure in upper zone	Construct 900 ft of 6inch to loop upper zone	2000	$95,000
15	C	225	18	Western Mobile Home Park	4900791	002	Five homes at the end of system will have very low water pressure at high use time. These five homes are served by a 3/4" line.	Run 2" line with 3/4" service connections to each home.	2000	$10,000
15	C	250	3	Clearwater Mutual Water Company	1700546	001	Surface water treatment plant in noncompliance with swtr. Storage tanks are leaking and undersized. - Treatment plant deficiencies must be verified before project can be ranked in a higher category.	Replace storage tanks with larger tanks and make treatment plant improvements or replace treatment plant.	1998	$100,000
15	C	300	13	Owens Valley Water Company	1400005	001	Lack of water pressure in residences	Determine problem for lack of water pressure and repair	2001	$25,000
15	C	310	3	Pine Mountain Mutual Water Co	2300591	005	Aging water main starting to have more leaks.	Replace water main with 6 inch PVC as well as lateral services.	1998	$775,500
15	C	310	3	Pine Mountain Mutual Water Co	2300591	006	Not enough air/vacuum release valves and fire hydrants to allow for flushing and air removal after leak repairs.	Install 2 air/vac valves and 3 fire hydrants.	1998	$7,000
15	C	310	3	Pine Mountain Mutual Water Co	2300591	004	Excessive pressure in main water line (150 to 215 psi). This coupled with 30 year old transite pipes and to few pressure reducing valves is contributing to more leaks.	Replace old pressure reducing valves, as well as adding two more to the system to reduce pressure to less than 100 psi.	1998	$11,000
15	C	336	21	Sutter Co. WWD#1 (Robbins)	5100107	003	A portion of the Robbins water distribution system is nearly 60 years old. The main distribution lines were constructed with galvanized iron pipe and is deteriorating leading to many failures and costly repairs. Many portions of the system have dead end l	The project will replace 7600 lineal feet of aging galvanized pipe with PVC C900 to current adopted County standards. The distribution pipe size will be increased to allow better fire flow capacity. The improvements will also include the addition of thrus	2007	$330,000
15	C	340	10	ARBOR MOBILE HOME PARK	3900831	001	SYSTEM HAS SINGLE WELL	RENOVATE BACK-UP WELL. OTHER = DESIGN AND CONSTRUCTION	1998	$10,000
15	C	350	18	Heights Mutual Water Company	4900612	001	2 inch water mains. Pressure loss in main is excessive and it is difficult to transport sufficient water during high demand periods. Deteriorated storage tank.	Replace 2 inch main with 6 inch, install fire hydrants, replace deteriorated redwood storage tank, construct new well in the upper pressure zone.	1998	$500,000
15	C	350	11	YOSEMITE FORKS ESTATES MUTUAL WTR	2000527	001	DISTRIBUTION INSTALLED IN 1958; IRON PIPES ARE CONSTANTLY ERODING; VALVES ARE CLOGGING WITH IRON SLOUGHING OFF; CEMENT TANKS ARE CRACKING	REPLACEMENT OF PIPELINES. THIS PROJECT WILL ALSO BENEFIT THE ADJACENT CEDAR VALLEY SYSTEM WHICH IS INTERCONNECTED.	1998	$483,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	350	13	Rovana Village	1400006	002	Single source of supply	Drill backup well	1998	$381,300
15	C	350	13	Rovana Village	1400006	003	Old, undersized transmission and distribution lines	Replace lines	1998	$611,500
15	C	350	13	Rovana Village	1400006	004	Storage facilities in poor structural condition	Construct new tank	1998	$107,400
15	C	350	13	Rovana Village	1400006	005	Transmission line in poor condition	Replace upper segment of line	1998	$95,200
15	C	350	13	Rovana Village	1400006	006	No redundant booster pumps	Install backup system	1998	$45,200
15	C	353	10	Rabb Park Community Ser. Dist.	0310015	004	PAYING 8% LOAN ON TANK LINER	REFINANCE AT LOWER INTERST RATE	1998	$11,250
15	C	353	10	Rabb Park Community Ser. Dist.	0310015	002	SECTION OF MAIN LINE EXPERIENCING NUMEROUS BREAKS.	INSTALL 750' OF C-900 PIPELINE. OTHER = DESIGN AND CONSTRUCTION.	1998	$38,000
15	C	400	12	TRIPLE R MUTUAL WATER CO	5400670	001	Inadequate source reliability - 3 of 7 wells removed from service that exceed nitrate MCL.	Blending treatment or drill new wells	2002	$100,000
15	C	450	13	CSA 70F, Morongo Valley	3600226	001	Old, undersized mainline	Construct 2.37 miles of new mainline	1998	$525,571
15	C	450	13	CSA 70F, Morongo Valley	3600226	003	Distribution system does not meet waterworks standards	Replace pipe and booster stastion	2000	$580,000
15	C	450	13	CSA 70F, Morongo Valley	3600226	004	Master Plan does not provide for reliable water system operation	Develop new master plan	2000	$50,000
15	C	499	6	SAN SIMEON CSD	4000568	002	Single source of supply from reservoir to distribution system.Low flow/pressure to customers.	Construct an upgraded parallel line to the reservoir.	2003	$100,000
15	C	500	11	Broadview Terrace Mutual Water Company	2000521	001	WATER MAINS ARE TOO SMALL TO PROVIDE ADEQUATE SYSTEM RELIABILITY.	INSTALL 6 INCH DIAMETER MAINS WITH FIRE HYDRANTS.	1999	$300,000
15	C	586	13	LADWP - INDEPENDENCE	1410002	006	Inadequate storage capacity	Construct new tank	2000	$100,000
15	C	586	13	LADWP - INDEPENDENCE	1410002	005	Old distribution system resulting in multiple leaks	Hire consultant to perform system analysis	1998	$30,000
15	C	586	13	LADWP - INDEPENDENCE	1410002	004	Old, substandard mainline	Replace mainline	2001	$200,000
15	C	586	13	LADWP - INDEPENDENCE	1410002	003		Replace mainline	2000	$250,000
15	C	586	13	LADWP - INDEPENDENCE	1410002	001		Replace mainline	1998	$400,000
15	C	586	13	LADWP - INDEPENDENCE	1410002	002		Replace mainline	1999	$350,000
15	C	600	2	North Tahoe PUD - Carnelian Woods	3110023	002	Well is unreliable and is at risk for outages and reduced water pressure.	Construct a new well. Involves design and construction.	1998	$280,000
15	C	600	2	North Tahoe PUD - Carnelian Woods	3110023	004	Ineffcient water line.	Replace 2,400 ft of pipe. Involves design and construction.	2002	$409,600
15	C	600	2	North Tahoe PUD - Carnelian Woods	3110023	003	Undersized mains.	Replace 3,170 ft water mains. Involves design and construction.	2001	$315,800
15	C	600	2	North Tahoe PUD - Carnelian Woods	3110023	001	Unreliable system supply.	Construct an 8,330 ft, 12" diameter intertie to District's main water system. Involves design and construction.	1999	$1,082,500

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	640	13	Strawberry Lodge MWC	3600301	001	Old, substandard mainline	Replace mainline	1999	$750,000
15	C	700	13	GREEN VALLEY MWC	3610023	001	Distribution system upgrades, source capacity upgrades	Construct new mains, add storage facilities	1998	$500,000
15	C	727	11	MADERA CO SA NO 19-ROLLING HILLS	2010009	001	THE SYSTEM HAS TWO WELLS, THE MAIN WELL (NO. 1) HAS EXPERIENCED SANDING PROBLEMS WHICH HAS RESULTED IN ITS REDUCED CAPACITY. THE SYSTEM HAS HAD LOW PRESSURE PROBLEMS DURING THE SUMMER MONTHS.	INSTALL A NEW WELL AND A STANDBY GENERATOR.	1998	$500,000
15	C	785	13	INDIAN CREEK COMMUNITY SERVICE DISTRICT	1410005	002	Low pressure episodes in summer. No storage capacity.	Install 50,000 gallon storage tank and booster pump station.	2002	$800,000
15	C	785	13	INDIAN CREEK COMMUNITY SERVICE DISTRICT	1410005	001	Inadequate storage results in low pressure problems in higher pressure zone during summer	Construct a 500,000 gallon storage tank	2000	$600,000
15	C	800	2	North Tahoe PUD - Dollar Cove	3110036	003	Water mains leak; lines are deteriorated and do not provide proper circulation of water.	Replace 4,510 ft of water mains. Involves design and construction.	2000	$419,000
15	C	820	2	Lake Forest Mutual W.C.	1800511	001	Storage tank needs rehabilitation. Storage capacity is inadequate. Need more fire hydrants.	Recoat largest storage tank. Build new tank. Replace and add fire hydrants.	1998	$0
15	C	856	2	City of Loyalton	4610001	002	Spring booster pump needs replacement. Source capacity is near limit. Mainline valves are not working or non-existent.	Replace booster pump. Drill new well. Rehabilitate distribution system.	1999	$547,000
15	C	999	13	BIG PINE CSD	1410004	001	Lack of production capacity due to deterioration of well	Construct new well	1999	$140,000
15	C	1020	3	Hopland Public Utility District	2310010	001	Need additional storage.	Install 3 300,000 gallon tanks.	1998	$700,000
15	C	1100	13	FALLSVALE SERVICE COMPANY	3610021	001	Leaking mainlines and tanks	Repair or replace mainlines and tanks	1998	$90,000
15	C	1118	13	LADWP - LONE PINE	1410003	004	Old distribution system resulting in multiple leaks	Hire consultant to perform system analysis	1998	$30,000
15	C	1118	13	LADWP - LONE PINE	1410003	003	Inadequate storage capacity	Construct new tank	1998	$310,000
15	C	1118	13	LADWP - LONE PINE	1410003	002	Old, substandard mainline	Replace mainline	1999	$200,000
15	C	1118	13	LADWP - LONE PINE	1410003	001		Replace mainline	2000	$150,000
15	C	1188	11	MADERA CSA NO 3 PARKSDALE	2010006	001	THE WATER SYSTEM DOES NOT HAVE ADEQUATE RELIABILITY FACILITIES AND ITS CUSTOMERS HAVE EXPERIENCED WATER OUTAGES DURING PG&E POWER FAILURES.	INSTALL A NEW WELL AND A STANDBY GENERATOR.	1998	$400,000
15	C	1300	9	Grizzly Flats Community Servic	0910006	003	Inadequate pressure to meet Waterworks Standards. Insufficient water pressure.	Add a pump, hydropneumatic tank and system pipe tie-in and a 2" service line to customers. Involves design and construction.	1998	$25,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	1300	9	Grizzly Flats Community Servic	0910006	002	Inadequate storage to meet Waterworks Standards. Demand heavily impacts system's covered, treated water storage.	Install an additional 200,000 gallon covered, treated water storage tank. Involves design and construction.	1998	$175,000
15	C	1500	12	Pratt Mutual Water Co	5410033	002	REPLACEMENT OF MAIN TRANSMISSION LINES	REPLACE NEW MAIN	1998	$200,000
15	C	1600	2	Fall River Mills C.S.D.	4510008	001	One well serves two communities that are 8 miles apart. System does not fulfill the requirements of Section 64560(a)(6) (minimize the efects of equipment failures) of the Waterworks Standards.	Drill a new well in second community to provide the reliability required by the Waterworks Standards.	1998	$150,000
15	C	1700	11	LE GRAND COMM SERVICES DIST	2410011	001	ONE OF THE THREE WELLS HAS FAILED, ANOTHER WELL IS SHOWING SIGNS OF FAILING, AND THE THIRD WELL HAS INSUFFICIENT CAPACITY TO MEET MAXIMUM SYSTEM DEMANDS.	CONSTRUCTION OF NEW WELLS AND 22,000 FEET OF NEW WATER LINES.	1998	$2,282,500
15	C	1800	13	CEDARPINES PARK MWC	3610011	001	Refinance distribution system remediation project	Refinance	1998	$1,670,500
15	C	2025	3	Lower Lake County Water District	1710010	001	4 & 6 inch Copsey Creek crossing failing due to age, installation, erosion and exposure to 20 to 30 MPH flows. One crossing is located next to an earthquake fault.	Abandon both crossings and relocate to right of way at bridge on Copsey Creek way.	1998	$55,000
15	C	2025	3	Lower Lake County Water District	1710010	003	Two old redwood tanks (100K & 30K) are leaking and unsecured.	Replace with 100 -150K storage tank.	2001	$70,000
15	C	2025	3	Lower Lake County Water District	1710010	005	Water main from Bonham Road to Wagon Wheel Way continues to fail because pipe is made of substandard material.	Replace existing pipe with C900 and ductile iron where it crosses Herndon Creek.	1998	$100,000
15	C	2025	3	Lower Lake County Water District	1710010	002	Old 100K redwood tank feeds to 500K tank. Restricts inflow limit to 600 gpm. Excess overflows tank.	Replace with 500K steel stank. Integrate with existing 500K tank with a 16 inch line and have the ability to shut off each tank for maintenance.	2001	$200,000
15	C	2025	3	Lower Lake County Water District	1710010	006	8 inch AC water main failing due to softening of pipe wall. Tree roots entering pipe. Portion of pipe located in inaccessible area & crosses a geologic fault	replace with 12 inch C-900 using proper sand beeding	1998	$200,000
15	C	2320	2	Shasta C.S.D.	4510013	002	System experiences low pressure at higher elevations, in violation of waterworks standards	Produce engineering construction plans and replace restrictive deteriorating line	2001	$68,000
15	C	2320	2	Shasta C.S.D.	4510013	001	Insufficient storage capacity resulting in water outages. System not fulfilling Section 64560(a)(4) (provide adequate capacity) of the Waterworks Standards.	Construct 500,000 storage tank and pump station and extend 12-inch main to increase pressure and provide the reliability required by the Waterworks Standards.	1998	$650,000
15	C	2500	2	Mountain Gate C.S.D.	4510002	002	Very low pressures or customers out of water for extended periods, undersized main lines.	Construction of 250,000 gallon capacity storage tank, booster pump station, 2,500 feet of 6-inch diameter water main.	2003	$275,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	2885	21	Sutter Community S.D.	5110007	002	Need additional source of emergency water	Add a 1mgal tank and replace old pipe in one section of our system	2001	$400,000
15	C	3000	9	Lukins Brothers Water Company	0910007	003	Inadequate storage capacity.	Install storage tanks with pump and generator station.	2002	$800,000
15	C	3000	9	Lukins Brothers Water Company	0910007	001	Two wells must be replaced to provide reliable source capacity.	Drill new well at property of Well 4 and replace Well 3 on new property.	1998	$250,000
15	C	3000	21	Truckee-Donner PUD - Donner Lake	2910005	002	Water main and storage tank deterioration.	Replace main with 10" ductal iron pipe and construct 500,000 gallon storage tank.	1999	$1,325,000
15	C	3000	13	BRIDGEPORT PUD	2610003	001	Backup systems needed	Construct new main, generator, and pumps	1999	$250,000
15	C	3000	21	Truckee-Donner PUD - Donner Lake	2910005	001	Approximately 20-25 property owners that cannot be served on the south side due to low pressure.	Replacement of existing tank with a 500,000 gallon tank and addition of a booster facility.	1999	$500,000
15	C	3006	11	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007	002	AGING 12 INCH CLASS 160 PVC HAS HAD NUMEROUS BREAKS AND NEEDS TO BE REPLACED.	REPLACE ABOUT 6,000 FEET OF CLASS 160 PVC WITH NEW 12 INCH DUCTILE IRON PIPE.	1999	$300,000
15	C	3323	10	AWA, Pioneer I.D. #1	0310010	001	UNDERSIZED MAINS CAUSE LOW PRESSURES BELOW 20 PSI	INSTALL NEW WATER MAINS. OTHER = DESIGN AND CONSTRUCTION	2001	$450,000
15	C	3422	21	City of Wheatland	5810004	001	Insufficient source capacity, requires additional well(s).	Installation of additional well(s).	1998	$170,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	005	FREQUENT LEAKS IN STEEL SECTIONS OF THE BRENTWOOD DISTRIBUTION SYSTEM COMPOUNDED BY NUMEROUS SEPTIC TANK SYSTEMS IN THE AREA.	REPLACE STEEL PIPELINES IN EQUAL INCREMENTS OVER A 5 YEAR PERIOD.	1998	$918,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	002	DURING DITCH OUTAGES, THERE IS INSUFFICIENT RAW WATER STORAGE AT THE WTP SITE.	CONNECT THE EXISTING LAKEWOOD RESERVOIR TO THE WTP INTAKE VIA PUMP AND PIPELINE.	1998	$57,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	007	INADEQUATE STORAGE FOR INTERCONNECTION TO THE CRYSTAL FALLS SYSTEM.	CONSTRUCT A ONE MILLION GALLON STEEL STORAGE TANK.	1999	$420,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	006	THE CEDAR ROCK SERVICE AREA IS SUPPLIED BY A PUMP STATION THAT EXPERIENCES POWER FAILURES AND SUBSEQUENT WATER OUTAGES.	RELOCATE A 60,000 GALLON BOLTED STEEL TANK TO THE SITE TO PROVIDE RELIABLE SERVICE.	2000	$52,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	001	THE SYSTEM NEEDS ADDITIONAL WATER SUPPLY DURING THE ANNUAL DITCH OUTAGE EVENT AND DURING OTHER EMERGENCIES.	CONSTRUCT A 4 INCH DIAMETER PIPELINE AND INTAKE STRUCTURE TO OBTAIN WATER FROM BRENTWOOD POND.	2000	$22,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	009	THE PRESSURE BOOSTER SYSTEM LOCATED ADJACENT TO THE SUGAR PINE RIDDLE TANK HAS DETERIORATED.	RECONSTRUCT THE PRESSURE SYSTEM.	1999	$26,000
15	C	3510	5	CWSC Oak Hills	2710019	001	Inactive well with DCE contamination.	Install a GAC treatment process.	1998	$200,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	3554	1	Weaverville C.S.D.	5310001	008	The transmission main serving the East Weaver Treatment plant is old and deteriorated. The main needs to be replaced to help ensure the reliability of the District's main source of supply.	Install approximately 1400 feet of 12-inch replacement water main.	1998	$35,000
15	C	3554	1	Weaverville C.S.D.	5310001	002	Water main located at Martin Road is the longest deadend main in the District's distribution system.	Looping the two mains would eliminate the dead ends and facilitate Trinity River treated water to flow to portion of the East Weaver Pressure Zone.	1999	$77,000
15	C	3554	1	Weaverville C.S.D.	5310001	005	Water transmission main supplying 2.1 million gallon hydro reservoir from the East Weaver Treatment Plant is old and deteriorated and needs to be replaced to help ensure reliability of water supply to main pressure zone.	Replace water transmission main.	2000	$1,050,000
15	C	4000	11	PLANADA CSD	2410007	002	THE LACK OF ADEQUATELY SIZED WATER LINES FROM THE TWO MAIN WELLS (NOS. 5 AND 6) TO THE NORTH SIDE OF THE SYSTEM HAS CAUSED LOW PRESSURE PROBLEMS.	INSTALL ADEQUATELY SIZED WATER LINES FROM THE SOUTH SIDE OF THE SYSTEM TO THE NORTH SIDE OF THE SYSTEM.	1998	$190,000
15	C	5000	2	North Tahoe PUD - Main	3110001	006	Low head lines due to proximity in elevation to storage reservoir.	Create a pressurized sub-zone and provide service stubs to properties with pressures. Involves design and construction.	1998	$94,900
15	C	5000	2	North Tahoe PUD - Main	3110001	004	Water mains are undersized, subject to widely fluctuating water pressure, lack of fire protection, and poor water quality.	Install 1,800 ft water main, increase pressure. Involves design and construction.	2002	$172,100
15	C	5000	2	North Tahoe PUD - Main	3110001	003	Replace inadequate water main.	Construct a new 1,400 foot long water main within the State Highway, relocate services to the new line, improve pressure and quality. Involves design and construction.	2001	$165,000
15	C	5000	2	North Tahoe PUD - Main	3110001	002	Needs SCADA control system.	Install a modern, supervisory control and data acquisition system.	1998	$126,000
15	C	5000	2	North Tahoe PUD - Main	3110001	007	Water main has dead ends and extensive leak history. Fail to provide potable water.	Install water mains along highway.	1998	$566,500
15	C	5000	2	North Tahoe PUD - Main	3110001	014	Undersized main line.	Construct a 2,660 ft long main. Involves design and construction.	2001	$267,500
15	C	5000	2	North Tahoe PUD - Main	3110001	015	A water main has been abandoned and the remainder leak, require excessive maintenance and fail to comply with standards.	Replace 3,020 ft of water main. Involves design and construction.	2001	$277,100
15	C	5000	2	North Tahoe PUD - Main	3110001	012	Undersized pipes.	Install 4,160 ft of pipe. Involves design and construction.	1999	$366,700
15	C	5500	3	Millview County Water District	2310006	004	During peak summer months filtration capacity falls short of demand.	Add 1 600 gpm filter and 1 3,000 gpm roughing filter.	1998	$1,000,000
15	C	5500	3	Millview County Water District	2310006	003	Low pressure problem in north east part of town. Residents occasionally without water.	New pumping station, distribution system and storage tank.	1998	$450,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	5500	3	Millview County Water District	2310006	002	Numerous areas in distribution system that are too small or need to be looped to provide adequate flow during peak flow times.	Enlarge and replace distribution lines.	1998	$350,000
15	C	5610	15	GSWC - HOLLYDALE	1910195	001	Old cast iron pipes with bio-growth and potential nitrification	Cement lining water mains in critical areas.	1998	$100,000
15	C	5610	15	GSWC - HOLLYDALE	1910195	002	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$100,000
15	C	5610	15	GSWC - HOLLYDALE	1910195	003	UNABLE TO DISINFECT MWD CONNECTION	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	1998	$15,000
15	C	5865	10	San Joaquin County - Lincoln Village	3910010	001	ELEVATED TANK DOESN'T MEET SEISMIC STANDARDS. OLD STEEL PIPES NEED REPAIR.	REPLACE ELEVATED TANK WITH PRESSURE TANK AND REPLACE STEEL LINES - (NO EVIDENCE OF CONSOLIDATION). OTHER = DESIGN AND CONSTRUCTION.	1998	$1,000,000
15	C	6600	20	Myoma Dunes Mutual Water Company	3310051	001	Quality is compromised due to incomplete arterial loop system and excessive number of dead end mains. Also distribution system cannot adequately be isolated for area's of repair or contamination.	Construct new mainlines, replace undersize & deficient mains, install isolation valves.	1998	$348,000
15	C	6700	16	MAYWOOD MUTUAL WATER CO. #2	1910085	001	WW standards defects. Poor reliability of existing aged steel reservoirs. Insufficient storage.	Construct 1.5 MG reservoir. Remove top 30' of two reservoirs. Construct new roofs on two reservoirs, construct hydropneumatic pump station and standby generator. Project involves: Design to solve problem, and Construction.	1998	$2,000,000
15	C	7500	12	North of the River MWD	1510041	003	Old and deteiorating distribution system with many leaks and breaks, under sized mains.	Replacement of majority of distribution system, and customer service lines. OTHER - Design and Construction	1998	$3,300,000
15	C	8500	11	WINTON WATER & SANITARY DIST	2410010	001	OLD SUBSTANDARD SIZED LINES CAUSING CONTINUED MAIN LINE BREAKS AND LOW PRESSURE PROBLEMS. WE ALSO HAVE A WATER SUPPLY PROBLEM WHICH REQUIRES A GROUND STORAGE TANK.	LOCATE BY AREA ALL SUBSTANDARD SIZED LINES AND REPLACE/CONSTRUCT A STORAGE TANK WITH CONNECTING LINES. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$2,500,000
15	C	8508	10	ACWA Buckhorn Plant	0310012	002	INADEQUATE WATER STORAGE IN SYSTEM	CONSTRUCT TREATED WATER STORAGE TANK. OTHER = DESIGN AND CONSTRUCTION	2001	$850,000
15	C	8750	2	City of Susanville	1810001	002	Cady Springs are located 2.5 miles from the City in the Susanville River Canyon, this has been a gravity feed system since the late 1800s. The springs are one of the Citys major water sources, this being the only water supply to the Citys west side due	The project would construct a two stage booster station at the springs to supply water to a new 1 million gallon water tank and a 16 inch pipeline that would supply water to all the customers on the Citys west side, this would also provide water to a sec	2008	$1,150,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	005	One connection with the City of Long Beach is lacking pump station and metering station.	Construct pump and metering stations at the California Ave/Willow Street Long Beach/Signal Hill interconnect.	1998	$200,000
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	004	MWD connection is lacking provision for emergency chlorination.	Construct chlorine injection line from City reservoir/disinfection station to MWD P.O.C. - approximately 800 Lin. Ft.	1998	$144,136
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	003	Well #6 is currently inactive due to FE and coliform contamination, leaving the City with only two active wells.	The City shall rehab well #6 to eliminate contamination, or drill a new well if rehab is determined ineffective. The existing transmission main connecting well #6 to the system needs to be reconstructed. Project involves: Design and Construction	1998	$1,873,000
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	006	Refinance. Aging finished water reservoirs create possible structural and contamination problems.	Design and construct two new finished and connecting piping stations south of the 405 freeway water reservoirs. Refinance debt obligation (Municipal Bonds)	1998	$8,600,000
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	007	WW standards defect. The roof of the Gundry reservoir is deteriorating due to chlorine attacking metal fittings. Pieces of roof structure fall into water on a regular basis.	Design and construct new roof using stainless steel fittings.	1998	$810,000
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	008	Reliability of emergency power poor.	Purchase a portable emergency generator to power well pump in case of interrupted electrical service. Project involves: Purchase	1999	$150,000
15	C	11300	12	Kingsburg, City of	1010019	005	INADEQUATE WATER SUPPLY CAPACITY.	CONSTRUCT A NEW WELL (NO. 15).	1999	$350,000
15	C	11300	12	Kingsburg, City of	1010019	004	GROUNDWATER IS CONTAMINATED WITH DBCP. WELL NO. 11 EXCEEDS THE MCL.	CONSTRUCT A GAC FILTRATION SYSTEM FOR WELL NO. 11.	2000	$400,000
15	C	11300	12	Kingsburg, City of	1010019	001	GROUNDWATER IS CONTAMINATED WITH DBCP, SOME WELLS EXCEED THE MCL.	PREPARE A FEASIBILITY STUDY TO EVALUATE THE EXTENT OF THE PROBLEM AND TO DEVELOP ALTERNATIVES.	1998	$30,000
15	C	11649	1	City of Fortuna	1210006	001	Existing 30,000 gallon water storage tank is structurally deteriorated and a larger capacity tank is needed.	Replace existing 30,000 gallon water storage tank with a 150,000 gallon tank.	2000	$350,000
15	C	12614	11	LIVINGSTON-CITY	2410004	001	IN THE OLDER SECTION OF THE CITY THE MAIN SUPPLY LINES ARE 2" CI WHICH CONTINUALLY LEAK AND DO NOT PROVIDE REQ'D FIREFLOW PRESSURE	INSTALL NEW 6" MAINS AND NEW STYLE HYDRANTS. OTHER - DESIGN AND CONSTRUCTION.	1998	$500,000
15	C	12659	5	CWSC Salinas Hills	2710012	001	Need added storage and booster pumps.	Install one million gallon tank and booster pump facility.	2001	$805,000
15	C	14154	9	SCWA Mather-Sunrise	3410704	004	Replace deficient valves and hydrants.	Replace deficient valves and hydrants.	1998	$175,000
15	C	14500	2	Bella Vista Water District	4510014	007	System has low pressure problem caused by deadend mains and is not fulfilling Section 64566 (system pressure) and Section 64626 (layout of water mains) of the Waterworks Standards.	Loop deadend mains to solve low pressure problem and provide the reliability required by the Waterworks Standards.	2000	$1,775,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	14500	2	Bella Vista Water District	4510014	005	System has low pressure problems and is not fulfilling Section 64560 (a)(4) (provide adequate capacity to meet pressure requirements) of the Waterworks Standards.	Construct storage, pump station and pipe line to solve low pressure problem and provide the reliability required by the Waterworks Standards.	1999	$3,590,000
15	C	14500	2	Bella Vista Water District	4510014	004	System has low pressure problem and is not fulfiling Section 64560 (a)(4) (provide adequate capacity to meet pressure requirements) of the Waterworks Standards.	Study and pre-design of solution to low pressure problem and provide the reliability required by the Waterworks Standards.	1998	$100,000
15	C	14500	2	Bella Vista Water District	4510014	002	Insufficient water storage capacity, not fulfilling Section 64560 (a)(4) (provide adequate capacity) of the Waterworks Standards.	Build two reservoirs to increase storage capacity and provide the reliability required by the Waterworks Standards.	1998	$1,400,000
15	C	14500	2	Bella Vista Water District	4510014	001	System is unreliable due to lack of standby power and lack of well redundancy to fulfill Section 64560 (a)(6) (minimize the effects of power and equipment failure) of the Waterworks Standards.	Add standby power at Pump Station, and add one well with filters to provide the reliability required by the Waterworks Standards.	1998	$1,200,000
15	C	14781	5	CWSC King City	2710009	001	Inactive wells (1-02, 1-03, 5-01, 2-02) need nitrate treatment.	Design and construct treatment facilities and piping systems.	1999	$1,500,000
15	C	17124	22	PARK WC - LYNWOOD	1910161	001	Existing wells are over 45 years old. They are declining in both production and water quality.	Final design of well head and construction of well head. Project involves: Design, and Construction	2000	$730,000
15	C	17124	22	PARK WC - LYNWOOD	1910161	002		Preliminary and final design of well and construction of well. Project involves: Design, and Construction	1999	$450,000
15	C	21756	9	SSWD - North Highlands Service Area	3410025	001	Inadequate storage capacity.	Install 10 mg water storage reservoir. Involves design and construction.	1998	$4,500,000
15	C	21756	9	SSWD - North Highlands Service Area	3410025	003	Insufficient water mains.	Install larger diameter connecting and transmission mains. Involves design and construction.	2000	$5,000,000
15	C	22370	16	EL MONTE-CITY, WATER DEPT.	1910038	001	Refinance 1 & 2. 1) Wells-VOC contamination above MCL. 2) Elevated tank was refurbished. 3) Aged pipelines are in need of replacement.	1) Installed GAC treatment plant. 2) Elevated tank was refurbished. 3) Replace old water mains.	1998	$500,000
15	C	27150	12	Vaughn WC INC	1510029	001	VAUGHN WATER CO. DESIRES TO INCREASE ITS QUANTITY OF ABOVE GROUND STORAGE TO IMPROVE ITS EMERGENCY/STANDBY WATER SUPPLY CAPABILITIES. CURRENTLY THE CO. HAS 0.55 mg OF STORAGE WHICH REPRESENTS ONLY 2 HRS. OF STORAGE.	INSTALL A 2 MG STORAGE TANK AND BOOSTER PUMPING STATION WHICH WILL IMPROVE STORAGE CAPACITY TO A MINIMUM OF 9 HRS OF STORAGE. OTHER - DESIGN & CONSTRUCTION	1998	$1,100,000
15	C	27236	22	PARK WC - COMPTON	1910021	001	Aged wells are declining in both production and water quality.	Final design of well head and construction of well head. Project involves: Design, and Construction	1999	$1,180,000
15	C	35211	11	LOS BANOS-CITY	2410005	002	Low pressure and lack of capacity during peroids of high demand	Construct Storage Facilities	2000	$1,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	001	Substandard Mainline	Replace mainline	1998	$1,000,000
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	002	Substandard mainline serving Wildwood Cyn area	Replace mainline	1998	$639,450
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	003	Limited Source capacity resulting in service connection limitation	Drill new well in Wilson Creek area	1998	$425,000
15	C	44174	6	San Luis Obispo Water Department	4010009	003	Needs additonal source capacity to comply with future demand and Water Works standards	Install operable gates in existing spillway at Salinas Dam to increase storage capacity	2000	$16,200,000
15	C	47065	9	City of West Sacramento	5710003	009	Insufficient pressure.	Install two booster stations and hydropneumatic tanks and water main. Involves design and construction.	1999	$990,000
15	C	50530	12	Hanford, City of	1610003	002	HIGH ARSENIC IN FIVE ACTIVE WELLS	DEVELOP NEW DEEP WELL USING ZONES WITH LOW ARSENIC LEVELS.	1998	$750,000
15	C	85703	2	City of Redding	4510005	001	City does not meet Water Works Standards for water supply. Source Capacity is barely sufficient to supply current demand.	Expand Buckeye Water Treatment Plant Capacity from 7 million gallons per day (mgd) to 14 mgd.	2005	$6,200,000
15	C	108000	16	AZUSA LIGHT AND WATER	1910007	004	Reliability. South Reservoir in need of repairs and improvements to maintain storage and pressure for Zone 1 (2.5 million gallon reservoir).	Repair approx. 325 linear feet of cracks in the reservoir wall. Sandblast interior walls - Sandblast exterior surface and apply new stucco coat.	1998	$180,000
15	C	108000	16	AZUSA LIGHT AND WATER	1910007	007	All active wells and electric booster pumps in need of hook up points for emergency power supply.	Install transfer switches for all active wells and electric booster pumps.	1998	$130,000
15	C	111135	5	CWSC Salinas	2710010	001	Two inactive wells need PCE treatment.	Install GAC treatment.	1999	$400,000
15	C	111135	5	CWSC Salinas	2710010	002	Inactive wells (10-01, 17-01, 21-01) need nitrate treatment.	Design and construct treatment facilities.	2000	$1,500,000
15	C	111135	5	CWSC Salinas	2710010	003	Inactive wells (108-01, 105-01) need nitrate treatment.	Design and construct treatment facilities.	2002	$1,500,000
15	C	121420	20	Elsinore Valley MWD	3310012	005	El Cariso water system replacement project due to poor condition of distribution system. See attached sheet.	See attached sheet	1998	$4,300,000
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	005	NOT ENOUGH STORAGE CAPACITY FOR A SEVEN DAY SUPPLY OUTAGE	REPLACEMENT OF THE 0.4MG TANK WITH A 1.5 MG RESERVOIR (RESERVOIR 1B).	1998	$510,000
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	004	NITRATE CONTAMINATION LEAVING WELL INACTIVE (STATION 15-02)	CONSTRUCT A TREATMENT AND/OR BLENDING FACILITY	2000	$1,200,000
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	001	NITRATE CONTAMINATION LEAVING WELL INACTIVE (STATION 33-01)	CONSTRUCT A TREATMENT AND/OR BLENDING FACILITY	2002	$1,200,000
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	007	VOC CONTAMINATED WELL 43-01. WELL INACTIVE.	INSTALL GAC TREATMENT VESSEL	1998	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	006	WELL STATION 19-03 AND 19-04 HAVE PRESSURE MAINTENANCE PROBLEMS AND THEY ARE SHALLOW, LOW CAPACITY WELLS THAT CONTAIN HIGH LEVELS OF HYDROGEN SULFIDE AND REQUIRE LARGE DOSES OF CHLORINE TO REMOVE ODOR.	DRILL A NEW HIGH CAPACITY WELL FROM DEEPER AQUIFER	1999	$350,000
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	002	NITRATE CONTAMINATION LEAVING WELL INACTIVE (STATION 28-01)	CONSTRUCT A TREATMENT AND/OR BLENDING FACILITY	2001	$1,200,000
15	C	170000	9	Sacramento Suburban Water District	3410001	001	Difficult to supply water to local area and pressure is inadequate.	Construct large diameter connecting and transmission mains to allow water to be moved throughout system. Involves design and construction.	2000	$14,200,000
15	C	170000	9	Sacramento Suburban Water District	3410001	004	Inadequate storage and unability to meet peak hour demands and providing system reliability.	Install 7.2 mg water storage reservoir. Involves design and construction.	1998	$3,500,000
15	C	170000	9	Sacramento Suburban Water District	3410001	003	Insufficient distribution facilities.	Install booster pump station and 5 mg reservoir. Involves design and construction.	1998	$3,000,000
15	C	177000	14	Oceanside, City of	3710014	004	Elimination of pressure problems to reduce the need for a pump.	Galbar St. water line is the solution to alleviate low pressure problems and reduce the need for a pump station.	1998	$500,000
15	C	177000	14	Oceanside, City of	3710014	002	Original lines installed in the 1950's. Lines are undersized which causes a fire flow problem and frequent leaks.	Design and construction of replacement water lines in Areas 1 and 13 to increase size upgrade materials.	1999	$1,300,000
15	C	177000	14	Oceanside, City of	3710014	001	Development of local groundwater supply as a reliable source of potable water for emergency water supply.	Construction of a 6.3 MGD desalting facility using RO.	1998	$7,500,000
15	C	177000	14	Oceanside, City of	3710014	005	Cast iron water lines were origianlly installed in the early 1900's. Lines are undersized which creates fire flow problems as well as leakage problems.	Areas 4, 5, and 6 pipeline replacement with larger line and modern materials will eliminate the fire flow and leakage problems.	1998	$850,000
15	C	457511	11	FRESNO, CITY OF	1010007	017	The production of some wells is diminished due to mineral build-up on the casings.	Rehabilitate and redevelop the affected wells.	2007	$1,050,000
15	C	457511	11	FRESNO, CITY OF	1010007	013	Need to increase the water storage and delivery capacity in Central Fresno, which has expanded.	Construct a new 2 MG storage tank, booster pump station and transmission line to provide water to downtown Fresno.	2006	$6,339,800
15	C	457511	11	FRESNO, CITY OF	1010007	016	The water mains in the older parts of the City are old deteriorated and leaky.	Install new water mains.	2007	$5,215,000
15	C	457511	11	FRESNO, CITY OF	1010007	015	The new SWTP does not have adequate backup power.	Install a backup generator to operate critical plant facilities and one treated water pump.	2005	$500,000
15	C	457511	11	FRESNO, CITY OF	1010007	014	The City has many old wells that were constructed in the 1940's and 1950's that are of open bottom wells without annular seals.	Construct new wells to replace the old wells.	2005	$6,750,000
15	P	30	13	Laws Town LADWP	1400102	002	Old substandard mainline	Replace mainline	2000	$30,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	P	30	13	Laws Town LADWP	1400102	001	Lack of reliability due to singe well	Construct new well	1999	$150,000
15	P	35	2	CEDAR CREEK SCHOOL	4500169	001	The spring source and storage tank are shared with a mobile home park, making it difficult to fulfill Section 64560(a)(2) (protect the quality of the water) of the Waterworks Standards.	Improve spring or drill a new well to provide the reliability required by the Waterworks Standards.	1998	$60,000
15	P	100	3	CDF-Konocti Conservation Camp	1710800	001	Distribution consists of transite pipe and 35 years old. System leaks are common and difficult to repair. Hydrants leak.	Replace distribution system, isolate irrigation system for wastewater and replace hydrants.	1998	$68,000
15	P	100	5	MISSION SCHOOL WS	2702317	001	System is aging and needs improvements.	General system upgrade.	1998	$15,000
15	P	125	21	BITNEY SPRINGS CHARTER HIGH SCHOOL	2900601	001	Needs second well for reliability.	New well filtration system and storage tank.	1998	$19,000
15	P	140	11	MCHA ATWATER CENTER	2400110	001	Well is vunerable to nitrate contamination	Construct treatment system	2000	$75,000
15	P	140	13	Round Valley School	1400019	002	Single source of supply	Construct new well	1999	$12,000
15	P	170	12	CLAY JOINT SCHOOL	1000315	001	PRESENTLY HAVE A GAC FILTRATION SYSTEM TO REMOVE DBCP. DBCP LEVELS IN THE WELL HAVE LOWERED BELOW MCL. LACK OF ADEQUATE SOURCE RELIABILITY.	DRILL A NEW WELL AND EQUIPT. OTHER - DESIGN AND CONSTRUCTION	1998	$200,000
15	P	200	14	TECATE VISTA MUTUAL WATER COMPANY	3700953	001	Old and deteriorating piping. System over 20 years old.	Repair and replace existing deteriorating piping.	1998	$10,000
15	P	250	11	SIERRA VIEW SCHOOL	2000846	001	WATER QUANTITY IS MARGINAL.	DEEPEN THE EXISTING WELL TO INCREASE ITS CAPACITY AND INSTALL A CHLORINATION SYSTEM.	1998	$75,000
15	P	350	9	PIONEER SCHOOL	0900111	001	System does not have adequate source capacity.	Create additional source (another well). Install new holding tank and storage system. Involves design and construction;	1998	$35,000
15	N	25	17	SCC Animal Shelter/Airport	4300814	001	Inadequate backflow and cross-connection protection. Significant risk of contamination to potable water system.	Implement all recommendations of certified cross-connection control specialist's survey (included with pre-application).	1998	$20,000
15	N	25	5	SOLEDAD MISSION WS	2701176	001	Water system is aging and needs improvements - new well and pipes.	New well and pipes.	2000	$10,000
15	N	25	14	SPLIT MOUNTAIN PARK	3701882	001	System lacks sufficient water clarity, volume, and pressure to service a population of 110 (no water storage tank, no secondary water pressure booster pump, age of 1,500 galllon pressure tank. System has experienced water outages.	New 5,000 gallon water storage tank, new 1,500 gallon water pressure tank, and new 5 hp secondary booster pump.	1998	$25,000
15	N	50	1	Redding Odd Fellows Camp	5301004	001	Storage tank roof is deteriorated and needs to be replaced. Concrete walls for slow sand filter basins are cracked and leaking.	Repair or replace storage tank roof. Repair leaks in filter system.	1999	$12,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	N	50	2	Layman Association	3200151	001	Water system is over 40 years old. Piping from springs to tank and from tank to residents needs replacement.	A three to five year program to replace piping and valves, as money is available.	1998	$30,000
15	N	60	12	FAR HORIZON CAMP	5400896	001	Low water pressure - inadequate in an emergency	Install a new 3" diameter water main	2000	$20,000
15	N	250	11	REGIONAL LEARNING CENTER	5500171	001	NEED STORAGE FOR ADEQUATE SUPPLY RELIABILITY.	INSTALL NEW TANKS AND HOOK-UP	1998	$45,000
10	C	40	3	Albion Mutual Water Company	2300502	001	The flat, wood-frame roof on our 70,000 gallon concrete water tank is over 30 years old. The membrane roofing was replaced approximately 15 years ago.The perimeter venting system has been patched and repaired over time and the exposed wood edge blocking	The new roof will be a 5:12, wood frame, gable with a South facing slope to accommodate the future installation of a solar panel array. The attic area will provide for material storage and space for future relocation of water treatment functions.Desig	2007	$20,000
10	C	45	2	NORTH EDEN VALLEY	3100019	001	Single well source not reliable. Needs second well.	Construct an additional well to 400 ft. Add additonal 20,000 gallons of storage capacity.	1999	$45,000
10	C	45	5	OUTLOOK WA	2700622	001	Water storage tanks and main service lines are 30 years old and need replacement.	Replace existing tanks with two concrete tanks and replace water mains, misc. plumbing, etc.	1998	$24,773
10	C	55	5	DESMOND RD WS #03	2700547	002	Add storage and replace mains.	The electrical panel, tanks, and some water lines all need to be replaced. The application says the project only involves design, but it seems like it would also involve construction.	1998	$30,000
10	C	60	5	ELKHORN RD WS #04	2700579	002	Water storage tank needs replacement.	Replace tank.	1999	$20,000
10	C	60	5	ELKHORN RD WS #04	2700579	001	System has inconsistent pipe types and sizes - the locations of which are unknown and need to be determined.	Replace pipes with new material which is up to standard.	1999	$21,500
10	C	63	19	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455	002	Distribution system consists primarily of inadequate 2" and 4" mains.	Replace distribution system with 8" C900 PVC.	2007	$100,000
10	C	66	5	LEAFWOOD COMMUNITY WA	2700624	001	Replace old, concrete storage tank.	Replace storage tank with a steel tank. Possibly add a chlorination system.	1998	$35,000
10	C	67	5	MORO COJO MWA	2700656	001	Insufficient storage. Need two new water tanks.	Purchase two 7500 gallon water tanks.	1998	$9,278
10	C	67	5	MORO COJO MWA	2700656	002	System has structural and sanitary hazards and may have a problem with cross-connection control.	Storage tanks and wells need to be repaired and/or replaced.	1998	$13,000
10	C	75	5	APPLE AVE WS #02	2701034	001	Sections of the distribution system need to be replaced.	Replace sections of the distribution system which may contain the contamination.	1999	$50,000
10	C	80	12	NEW AUBERRY WATER ASSOCIATION	1000063	002	Power to wells is not reliable	Replace circuits and service lines	2000	$5,000
10	C	80	12	NEW AUBERRY WATER ASSOCIATION	1000063	003	Storage tanks is deteriorating	Construct new storage tank	2000	$50,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	80	12	NEW AUBERRY WATER ASSOCIATION	1000063	001	Both well is old and deteriorating	Construct Two new wells	2000	$20,000
10	C	90	11	SIERRA VILLAGE MOBILE HOME PARK	5500353	001	SYSTEM LACKS RELIABILITY AS IT IS SUPPLIED FROM A SINGLE WELL AND STORAGE CAPACITY IS LESS THAN ONE DAY'S DEMAND.	CONSTRUCT AN ADDITIONAL WELL AND INSTALL A 20,000 GALLON STORAGE TANK.	1998	$48,000
10	C	99	2	MCARTHUR MOBILEHOME PARK	4500084	001	No backup source for existing low capacity well. System not fulfilling Section 64560(a)(6) (minimize the effects of power supply failure) of the Waterworks Standards.	Install additional well, storage tanks and pumps to provide the reliability required by the Waterworks Standards.	1998	$50,000
10	C	100	11	OAKHURST MOBILE HOME ESTATES	2000593	001	No backup power available. System lack reliability.	Install a backup power unit.	2000	$800
10	C	100	9	GOLD BEACH PARK	0900102	001	Previous well flooded; new well completed, but needs additional work.	Needs second well and additonal storage to meet demands reliably.	1998	$0
10	C	100	12	SANDY CREEK VILLAGE MHP	1000260	001	NEED A NEW WELL, AND REPLACE OLD DISTRIBUTION SYSTEM.	CONSTRUCT A NEW WELL AND UPGRADE THE DISTRIBUTION SYSTEM.	1998	$15,000
10	C	100	19	DUNE III Water Co., LLC	1502690	002	System not looped, inadequate piping, not connected to possible additional backup sources.	Construct 8400 linear feet of water line.	2007	$180,000
10	C	112	13	Hi Desert MWC	3600123	001	Old hydro tank needs replacement	Construct new hydro tank	1998	$38,000
10	C	130	5	ARROYO CENTER WC	2701658	002	Inadequate water storage [No documentation provided]	Add about 40,000 gallons of storage	2000	$30,000
10	C	130	5	ARROYO CENTER WC	2701658	001	Old, leaky and under-sized pipes and valves in distribution system [No documentation provided]	Replacement of distribution system facilities, e.g. pipes, valves	2000	$30,000
10	C	140	4	WILLOW PASS MOBILE HOME *CL 1/07	0707624	001	Aging/deteriorating mains, low pressure.	New system, replace pipes, storage tank, pump, install filtration to improve water quality.	1998	$200,000
10	C	162	5	LAGUNA SECA WC	2700612	001	Disinfection and pumping equipment is needed for improved system reliability.	Install disinfection equipment. Upgrade storage and distribution lines.	1998	$55,000
10	C	196	11	TWAIN HARTE VALLEY MWC	5500080	002	OLD WELDED STEEL PIPELINES NEED TO BE REPLACED.	INSTALL 4,752 FEET OF 6 INCH DIAMETER PVC PIPELINES.	1999	$35,640
10	C	198	11	MPWD-Coulterville CSA 1	2210901	002	HIGHEST PORTION OF THE DISTRIBUTION SYSTEM RUNS OUT OF WATER DURING THE SUMMER MONTHS. CORRODED AND LEAKING VALVES AND OLD METERS THAT NEED TO BE REPLACED.	INSTALL A PRESSURE SYSTEM FOR THE HIGHER ELEVATION CUSTOMERS AND INSTALL ALL NEW METERS AND VALVES.	1998	$200,000
10	C	200	11	MD#07 MARINA VIEW HEIGHTS	2000551	001	THE SYSTEM'S TWO WELLS BARELY KEEP UP WITH SYSTEM DEMANDS DURING THE SUMMER.	INSTALL AN ADDITIONAL 100,000 GALLON STORAGE TANK.	1998	$100,000
10	C	200	3	TUCKER ACRES MUTUAL WATER CO.	2800516	001	old galvanized pipes from well to homes on Tucker Road and Peterson Drive are leaking badly.	Put in approximately 1,100 feet of new water line, sawing throught road then patching, 3 shut-off valves, one blow-off valve, necessary permits	2000	$60,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	200	3	TUCKER ACRES MUTUAL WATER CO.	2800516	002	Old galvanized mail leaking badly	Replace 1,100 feet of water main.	2001	$60,000
10	C	210	19	Lands of Promise Mutual Water Associatio	1500424	001	UNDERSIZED WATER MAINS	INSTALL 6" MAINS AND 6 -200 TO 500 GAL TANKS.	1998	$271,760
10	C	225	2	Sierra Co. W.W.D #1 Calpine	4600019	001	Inadequate water pumping and storage capacity to serve commercial, residential, and fire protection needs. System is at full production capacity. Outdated watermains leak.	Drill new well, construct new pumping station, and construct new storage tank (140,000 gallons). Replace old riveted steel pipe.	1998	$275,000
10	C	232	12	PONDEROSA CSD	5400934	001	Collapsed 210,000 gallon storage tank	Replace 210,000 gallon storage tank	2001	$150,000
10	C	250	10	PARK HEIGHTS MUTUAL WATER CO	5000017	001	OLD DISTRIBUTION YSSTEM AND OLD AGE WELL.	REPLACE DISTRIBUTION SYSTEM AND UPGRADE WELL.	2000	$400,000
10	C	315	11	SLIDE INN SNOWBOWL WATER CO	5500077	001	Water and pipelines 30 to 40 years old. Some existint pipe is not to PUC Standards. Waterlines running above surface-approx. 1000 ft.	Upgrade and replace existing pipelines and install new tank already purchased. OTHER-Refinance and Design	1998	$125,000
10	C	350	5	DAVENPORT COUNTY SANITATION	4400571	003	Low water pressure at outer limits of system.	Construction of new mains.	1998	$200,000
10	C	420	2	Clear Creek CSD-Westwood	1800512	003	Need additional 250,000 gallons of storage capacity. Need to replace existing watermains.	Construct 250,000 gallon storage tank. Install 8" and 6" water lines to replace existing 4" and 2" lines.	2000	$250,000
10	C	500	10	CROWS LANDING COMM SVC DISTRICT	5000005	001	DISTRIBUTION SYSTEM MADE OF OLD, SMALL DIAMETER STEEL PIPES.	INSTALL NEW DISTRIBUTION LINES. OTHER = DESIGN AND CONSTRUCTION.	1999	$500,000
10	C	500	5	SAN LUCAS WD	2701676	003	Potential contamination from aging, leaking, and weakened wooden water tank.	Design and engineering of a new water tank.	1998	$77,000
10	C	600	6	AVILA BEACH COMM SERVICE DIST	4000222	003	Flow restrictions from old reservoirs to distribution, corrosion problems, old valves & broken.	Replace corroded tanks, valves and system piping.	2002	$250,000
10	C	600	6	AVILA BEACH COMM SERVICE DIST	4000222	004	Inadequate pressure and domestic water supply during upstream demand.	Design and Construct a booster station	2002	$82,000
10	C	600	6	AVILA BEACH COMM SERVICE DIST	4000222	005	Steel tank corroded, PCE contamination from failed interior tank coating	Construct new storage tank.	2002	$450,000
10	C	700	13	CSA 42 Oro Grande	3600220	003	Master plan does not rovide for reliable water system operation	Develop new master plan	2000	$50,000
10	C	700	13	CSA 42 Oro Grande	3600220	001	Undersized storage facility	Construct new second reservoir	1998	$100,000
10	C	700	13	CSA 42 Oro Grande	3600220	004	Well does not meet waterwork standards	Improve well by raising above grade	2000	$35,000
10	C	775	1	Gasquet C.S.D.	0800555	006	Need additional filtered water storage capacity to serve new customers.	Engineering for installing an additional 250,000 gallon storage tank.	1998	$30,000
10	C	775	1	Gasquet C.S.D.	0800555	002	Unable to serve 28 residences.	Build distribution system to serve these residences filtered water.	1999	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	775	1	Gasquet C.S.D.	0800555	008	Need additional filtered water storage capacity to serve new residences.	Install additional 250,000 gallon water storage tank.	1999	$195,000
10	C	775	1	Gasquet C.S.D.	0800555	007	Lack of capacity in present pressure filter to add 28 residences.	Add an additional 150 GPM pressure filter.	1998	$38,000
10	C	775	1	Gasquet C.S.D.	0800555	005	Does not meet Section 64560(a)(6) of the Waterworks Standards. Inability to supply water during electrical outages.	Purchase a 100 KW 3-phase generator.	1998	$32,000
10	C	900	10	Valley Springs PUD	0510010	001	One well with fecal coliform no longer approved for potable use.	Drill new well and install hydropneumatic tank.	2007	$425,000
10	C	950	13	ARROWHEAD MANOR WATER CO	3610026	003	Limited source capacitiy resulting in periodic water outages	Increase size from 2" to 6" of import water line from CLAWA	2000	$0
10	C	1200	1	Hydesville Co. W.D.	1210019	002	Project #2: System relies on 30 year old, 6-inch main to supply water from source. Main traverses steep slope and has failed in past, isolating source. Subject to failure in earthquake.	1200 feet of 12-inch main (flat) and 225 feet of main (upslope). New main will provide second route from source and increase reliability.	1999	$118,000
10	C	1200	1	Hydesville Co. W.D.	1210019	001	Project #1: Area of system served by deadend main is isolated in case of main breaks.	1500 feet of 8-inch main to loop system and increase reliability.	1998	$91,000
10	C	1300	13	BASELINE GARDENS MWC	3610007	005	Old distribution system piping	Replace pipelines	1998	$600,000
10	C	1300	13	BASELINE GARDENS MWC	3610007	004	No backup source of supply	Drill new well	1998	$300,000
10	C	1500	12	Springville PUD	5410011	003	1. Reliability achieving LT1ESWTR filter performance requirements. 2. Lack of redundancy in source water delivery system.	Study to evaluate existing water treatment process, alternatives, and design of modifications. Also investigate source water delivery redundancy, alternatives, and design of improvements.	2005	$60,000
10	C	1500	12	Springville PUD	5410011	002	Leaks in water distribution system.	Repair or replace portions of the distribution system.	2005	$1,000,000
10	C	1500	1	City of Blue Lake	1210002	002	Booster pump station capital replacement; storage tank structural replacement; replace system valves; add telemetry.	Design and replace failing pumping facility; replace all failed valves in system; design and construct telemetry system and alarms.	2000	$600,000
10	C	1500	16	AVERYDALE MWC	1910023	005	This is DHS directive to have emergency connection because the system is isolated.	Install intertie with LACWWD for be used as emergency connection.	2008	$125,000
10	C	1617	10	AWA, Pine Acres #4	0310009	001	Two of the existing redwood t reated water storage tanks are exceeding their useful life and will render the community with inadequate and unreliable treated water storage.	Replace the redwood tanks with steel tanks	2002	$800,000
10	C	1624	2	Hamilton Branch CSD	3210010	001	Much of the water system is old and water mains are 3" steam pipe installed in 1957.	Replace 3" steam pipe with 6" C900 PVC pipe.	1998	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	1670	13	SBDNO COUNTY SERVICE AREA W-1	3610060	002	Need a Water Master Plan developed to plan the current and future requirements of the district to provide safe, reliable water for the district users and adequately meet growth needs.	Develop Water Master Plan for the system	2000	$50,000
10	C	1858	9	Esparto C.S.D.	5710007	001	Inadequate source capacity to meet maximum day demand.	Construct storage and booster facility, new well, and transmission mains. Involves design and construction.	1998	$1,370,900
10	C	1998	2	Westwood C.S.D.	1810002	001	Winter power outages cause water shortages. Pump/level controls need replacing.	Construct additional 500,000 gallon storage tank. Install generator unit, new pump/tank control system and water meters.	2000	$500,000
10	C	2103	12	Caruthers Comm Serv Dist	1010039	003	DEAD ENDS IN DISTRIBUTION SYSTEM NOT IN CONFORMANCE WITH THE CALIFORNIA WATERWORKS STARDARDS.	INSTALL APPROX. 7,000 LF OF NEW WATER MAIN. OTHER - DESIGN AND CONSTRUCTION	1998	$380,000
10	C	2103	12	Caruthers Comm Serv Dist	1010039	011	Water service pressure and supply not reliable.	Install approximately 7,000 LF of new water main.	2005	$500,000
10	C	2394	20	Elsinore WD - Lakeland	3310079	002	The existing bolted steel storage tank is old, rusted, leaking, and structurally unsound, having no remaining useful life.	Design and construct new steel tank to meet WW standards and increase system reliability.	1998	$250,000
10	C	2394	20	Elsinore WD - Lakeland	3310079	003	The existing bare steel watermains and appurtenances are old, undersized (mainly 2"+), deteriorated and unreliable, with limited remaining life, including frequent leaks, repairs, outages, valve work, etc.	Design and construct 50,000'+ of new watermain to meet the WW standards and increase system reliability. Project can be phased by priority over 3 years.	1999	$3,375,000
10	C	2394	20	Elsinore WD - Lakeland	3310079	001	Insufficient water supply, since a major existing well needed to be shut down due to ground water contamination from carbon tetrachloride. See attached documentation.	Design and construct new well with pump and appurtenances to meet the Waterwork Standards, increase system reliability and provide replacement water supply.	1998	$350,000
10	C	2500	20	Idyllwild Water District	3310019	010	Continue program of distribution pipeline replacement.	Construct 5,000 feet of 6" and 8" pipeline.	2001	$180,000
10	C	2500	20	Idyllwild Water District	3310019	009		Construct 5,000 feet of 6" and 8" pipeline.	2000	$180,000
10	C	2500	20	Idyllwild Water District	3310019	006	The District's aging creek diversion pipeline and pumping station are in need of replacement.	Construct new diversion pipeline and pumping station. Construct new roof on forebay tank.	1999	$120,000
10	C	2500	20	Idyllwild Water District	3310019	003	Due to its age, condition and elevation, one of our downtown storage tanks was taken out of servie in 1995 (Rockdale). The tank must be replaced.	Regrade site and construct two 210,000 gallon steel tanks.	1998	$245,000
10	C	2500	20	Idyllwild Water District	3310019	001	The District needs to develop additional sources of water to meet current demand during water short periods. A geohydrology study is currently I progress.	Rehabilitate two existing wells and drill one new well.	1998	$120,000
10	C	2500	20	Idyllwild Water District	3310019	011	Continue program of distribution pipeline replacement.	Construct 5,000 feet of 6" and 8" pipeline.	2002	$180,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	2568	11	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	002	INADEQUATE TREATED WATER STORAGE ON THE SOUTHSIDE OF DISTRICT INCASE OF MAJOR PROBLEM OR LINE DISRUPTIONS.	INSTALL A 500,000 GALLON BOLTED TANK ON DISTRICT LOT IN LILAC TERRACE SUBDIVISION. OTHER - DESIGN AND CONSTRUCTION	1998	$100,000
10	C	2568	11	TWAIN HARTE COMMUNITY SERVICES DISTRICT	5510005	001	SYSTEM WHICH SERVES 125 PARCELS IS UNDERSIZED FOR ADEQUATE SUPPLY CAPACITY.	INSTALL NEW C-900 6" THROUGHOUT WITH NEW SERVICES AND FIRE HYDRANTS EVERY 500'. OTHER - DESIGN AND CONSTRUCTION.	1998	$700,000
10	C	2580	3	North Gualala Water Company	2310007	001	Pressures fall below 20 psi. Storage in two zones are below minimum recommended, other tanks are old and leaking. Monitoring equipment at surface water plant cannot respond to extreme fluctuations in surface water quality.	Replace mains, services, create new circulating loops, replace storage tanks, filter plant and generator.	1998	$1,500,000
10	C	2650	10	Lake Alpine Water Company	0210001	002	INADEQUATE STORAGE IN MIDDLE PRESSURE ZONE	CONSTRUCT WATER STORAGE TANK	1999	$100,000
10	C	2800	11	BASS LAKE WATER COMPANY	2010003	002	Intake pipeline to the surface water treatment plant is old, undersized, and has numerous leaks throughout its length.	Construct a new 8-inch diameter raw water pipeline.	2002	$800,000
10	C	3019	13	MARIANA RANCHOS CWD	3610030	001	Old, substandard mainline	Replace mainline	2007	$347,200
10	C	3300	5	Seaside Municipal Water System	2710018	002	Tops of two water storage tanks are rusting.	Replace tops of tanks.	2000	$150,000
10	C	3300	5	Seaside Municipal Water System	2710018	003	Corrosion on the inside of two storage tanks - need to be recoated.	Resurface inside of tanks.	2000	$100,000
10	C	3600	11	LAKE DON PEDRO C S D	5510008	004	TASTE, ODOR AND COLOR COMPLAINTS DUE TO 85 DEADENDS WITHOUT BLOWOFFS. ALSO RAPID CONSUMPTION OF CHLORINE RESIDUAL LEVELS.	INSTALL BLOWOFFS ON DEADENDS.	1998	$63,750
10	C	5000	11	HILMAR COUNTY WATER DISTRICT	2410012	001	The water system lacks adequate storage capacity.	Construct a one million gallon water storage tank.	2004	$1,250,000
10	C	5100	10	Blue Lake Springs Mut Wtr	0510009	001	UNDERSIZED MAINS	REPLACE UNDERSIZED MAINS WITH NEW, LARGER MAINS	1999	$4,000,000
10	C	5237	3	Calistoga, City of	2810002	003	Insufficient treated water storage.	Site development and construction of new 1 MG storage tank and transmission main.	1998	$2,000,000
10	C	5237	3	Calistoga, City of	2810002	004	Insufficient available water for present and future City demand.	Find available water and purchase.	1998	$1,000,000
10	C	5237	3	Calistoga, City of	2810002	005	Silt displacement of water at Kimball Reservoir to the extent of 30+ MG.	Purchase or lease dredging equipment and dredge reservoir over 2 to 3 year summer periods.	1999	$1,000,000
10	C	5458	10	ACWA Sutter Creek	0310003	002	TRANSMISSION MAIN TO AMADOR CITY SERVICE AREA BREAKS EACH YEAR LEAVING TOWN DEALING WITH OUTAGES.	REPLACE THE WATER MAIN. OTHER = DESIGN AND CONSTRUCITON	2001	$85,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	6082	10	Hughson, City of	5010008	007	The existing water distribution system has very old (greater than 30 years) and small diameter water distribution pipes that are not in very good condition. In addition, there are a number of dead end lines. These small old diameter pipelines are concen	The City will install approximately one mile of pipelines ranging from 8-inch to 12-inch diameter to improve system pressure and to create looping to the area west of the Santa Fe Rail Road. In addition, three miles of small diameter pipeline replacement	2009	$5,626,000
10	C	6082	10	Hughson, City of	5010008	001	LESS THAN OPTIMAL WATER SUPPLY	REPLACE A FOUR INCH WATER MAIN WITH A TWELVE INCH MAIN. OTHER = DESIGN AND CONSTRUCTION	1998	$500,000
10	C	6600	8	SOUTHERN CALIF WC	3010078	001	Reliability of distribution system disinifection residual.***ALL SYSTEMS IN OC DISTRICT ARE INCLUDED:3010077, 3010035/3010047/3010044 AND 3010070. This deficiency may result in bacteriogical contamination of water supply and transmission mains.	Install chlorination turnouts at 6MWD connections	1998	$90,000
10	C	7376	4	City of Rio Vista	4810004	002	Sections of distribution system is deteriorated.	replace deteriorated mains and appurtenances.	1998	$2,000,000
10	C	7376	4	City of Rio Vista	4810004	001	Inadequate sized distribution system piping.	Replace 8" transmission line approximately 2 miles.	1998	$1,500,000
10	C	7400	13	CRESTLINE VILLAGE CWD - DIVISION 10	3610015	001	Insufficient and old storage facilities	Construct four new storage reservoirs for a total of 3.35 MG to meet ww stds.	1998	$2,700,000
10	C	7880	22	SOUTH MONTEBELLO IRRIGATION DIST.	1910153	001	Approximately 2500 feet of old riveted steel pipe is leak prone	Replace the existing 10-inch and 12-inch riveted steel with cement lined ductile iron pipe.	2003	$260,000
10	C	9018	20	South Mesa WC	3310017	001	Cracks in conrete reservoir number 3. Stability of reservoir questionable.	Replace reservoir with steel tank or rebuild reservoir walls.	1998	$500,000
10	C	15959	7	GSWC-SOUTH SAN GABRIEL	1910223	001	3500' OF WATER MAINS LESS THAN 4" IN DIAMETER. THESE MAINS DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a).	REPLACE UNDERSIZED MAINS OVER A 2 YEAR PERIOD	1998	$350,000
10	C	16800	12	West Kern CWD	1510022	001	WELLFIELD CONNETED BY 30 YEAR OL 30" PIPELINE 7.5 MILES LONG.	REPLACE 30" PIPELINE WITH 36" PIPELINE	1998	$5,925,397
10	C	18600	10	Oakdale, City of	5010014	001	OLD, SMALL DIAMETER MAINS LEAKING	REPLACE 2" AND 4" MAINS WITH 8", 10" AND 12" PIPE. OTHER = DESIGN AND CONSTRUCTION	1998	$10,000,000
10	C	20181	7	LOMITA-CITY, WATER DEPT.	1910073	003	The existing 1,000,000 gal reservoir, constructed in 1929, is limited to 265,000 gallons due to age and damage from seismic activity (1971 Sylmar Earthquake).	Design/construction of a new rectangular, reinforced concrete reservoir of larger capacity (5,000000 gallon) with a water treatment facility, and related construction to facilitate system-wide water supply service.	2003	$10,000,000
10	C	20681	13	Phelan Pinon Hills CSD	3610120	008	control system needed to reduce costs by allowing for off-peak pumping	construct telemetry system	2006	$50,000
10	C	25000	13	BIG BEAR CITY CSD	3610008	001	Old transmission main in Van Dusen Cyn	Construct new transmission main	2000	$225,000
10	C	25000	13	BIG BEAR CITY CSD	3610008	002	Occasional bacti problems from wells	Study potential sources of contamination	1999	$100,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	25000	13	BIG BEAR CITY CSD	3610008	003	High fluoride source that has subsidence and production problems	Construct new well	1998	$225,000
10	C	25000	13	BIG BEAR CITY CSD	3610008	004	Source is in potential flood zone	Construct new well	1999	$250,000
10	C	26177	20	Rubidoux Community SD	3310044	001	The district's draft 1997 water facilities master plan identifies a water storage deficiency of 1.0 MG based on current conditions, a water storage deficiency of 4.0 MG by 2000, and a water storage deficiency of 5 MG by 20005 in the Atkinson Zone.	Construct a 5 MG water storage reservoir.	1998	$1,800,000
10	C	26177	20	Rubidoux Community SD	3310044	002	The district's draft 1997 water facilities master plan identifies a water production deficiency of 4,400 gpm based on current conditions..	Construct 3-1,500 gpm wel pumping plants and a 4,500 gpm nitrate treatment facility..	1998	$7,900,000
10	C	26177	20	Rubidoux Community SD	3310044	003	During the summer months, the district experieinces low pressures in the southern portion of the District's service area.	The district master plan recommends construction of 11,000 L.F. of 24" pipeline to alleviate the low pressure problems, provide adequate water service, and to provide adequate fire flow.	1998	$1,600,000
10	C	26177	20	Rubidoux Community SD	3310044	007		The Rubidoux Community Services District (District) is a multi-County public agency located in western Riverside and San Bernardino Counties. The District has approximately 6,350 active connections of which over 6,000 are single family residents. Domest	2008	$2,000,000
10	C	29281	6	Santa Paula Water System	5610011	008	Inadequate storage capacity which does not meet the Water Works standards.	Purchase property, design,construct and inspect construction of a 0.25 MG reservoir in the 400 East Zone.	1999	$200,000
10	C	29281	6	Santa Paula Water System	5610011	007	Inadequate storage capacity which does not meet the Water Works standards.	Purchase property, design, construct, and inspect construction of a 0.50 MG reservoir in the 400 East Zone.	1998	$400,000
10	C	29281	6	Santa Paula Water System	5610011	002	Distribution system has some lines that are old, inadequate size and in poor conditon to comply with W.W.S.	Design & construct 9,000 lineal ft. of 8 inch distr. Main including services, hydrants, air/vac valves, blowoffs & contract mgmnt./inspection services.	1999	$842,400
10	C	29281	6	Santa Paula Water System	5610011	001	Distribution system has some old, inadequate size and poor condition mains which do not comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch dist. Mains, including services, hydrants, air/vac valves, blowoffs, contract mgmnt./inspection services. Can be ready to construct July 1998.	1998	$842,400
10	C	29281	6	Santa Paula Water System	5610011	003	Distribution system needs to be upgraded, lines are old, inadequate size and in poor condition to comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch distribution main, including services, hydrants, air/vac valves, blowoffs & contract mgmnt.	2000	$842,400
10	C	29281	6	Santa Paula Water System	5610011	005	Distribution system has some old, inadequate size and poor condition mains which do not comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch dist. Mains including services, hydrants, air/vac, blowoffs & contract mgmnt.	2002	$842,400
10	C	29281	6	Santa Paula Water System	5610011	006	Insufficient storage capacity which does not meet Water Works standards.	Purchase propoert, design, construct and inspect construction of a 2.75 MG reservoir in the 200 Pressure Zone.	1998	$2,200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	29350	17	City of Burlingame	4110003	001	Water supply may be unreliable and storage does not meet Department of Health Services 8-hour requirement.	Contruct an 8 mile pipe line connecting the 3 cities to the Harry Tracy WTP. Combine storage form 12 MG to 23 MG. Storage capacity would meet DOHS -8 - hour demand requirement.	1998	$15,000,000
10	C	30469	13	GOLDEN STATE WATER CO - BARSTOW	3610043	001	Undersized mainline	Replace mainline	1998	$100,000
10	C	38000	2	City of Lincoln	3110004	001	Lack of adequate backflow protection in older parts of city;	cross connection survey; design; construction of backflow prevention devices; service line replacement as needed	2006	$350,000
10	C	51350	13	CITY OF COLTON	3610014	008	Inadequate storage West zone	Construct 2 MG reservoir	1998	$2,025,000
10	C	51350	13	CITY OF COLTON	3610014	009	Inadequate Storage Central zone	Construct 3 MG reservoir, transmission lines	1998	$2,775,000
10	C	51350	13	CITY OF COLTON	3610014	010	Old distribution system	Replace 38k ft of line	1998	$2,790,000
10	C	51350	13	CITY OF COLTON	3610014	011	Old steel transmission lines	Replace and resize lines	1998	$800,000
10	C	54873	15	GSWC - ARTESIA	1910004	004	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	1998	$400,000
10	C	54873	15	GSWC - ARTESIA	1910004	005	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$800,000
10	C	54873	15	GSWC - ARTESIA	1910004	006	Unable to disinfect 2 MWD connections	Install chlorination turnouts at MWD connection	1998	$300,000
10	C	81418	13	VICTOR VALLEY WATER DISTRICT	3610052	001	Old steel distribution system lines, new wells needed, new storage reservoirs (2) needed.	Construct needed facilities to ensure compliance with Waterworks Standards.	1998	$2,900,000
10	C	99258	15	INGLEWOOD- CITY, WATER DEPT.	1910051	001	16 MG RESERVOIR IS DETERIORATED DUE TO AGE AND SEISMIC ACTIVITY OF THE REGION. IT ALSO HAD BACTI PROBLEMS.	DEMOLISH THE EXISTING RESERVOIR AND RECONSTRUCT THREE 5.3 MG PRESTRESSED CONCRETE RESERVOIRS.	1998	$10,000,000
10	C	140000	14	Escondido, City of	3710006	006	A-3 reservoir (1MG) is 60 years old and does not meet current standards. Area transmissions are of same vintage.	Rehabilitate reservoir rather than new. Replace inlet/outlet lines.	1998	$750,000
10	C	140000	14	Escondido, City of	3710006	001	Flow (in/out) to A-11 reservoir (8 MG) is inhibited due to small pipe (18"). Reservoir is at end of system.	Design and construct new 24" transmission main to reservoir.	1999	$2,750,000
10	C	140000	14	Escondido, City of	3710006	005	Park Hill Reservoir is 60 + years old, too small (1MG) and does not meet current seismic standards. Inlet/outlet mains and booster PS. Also same age and no longer adequately sized.	Construct new reservoir (3 MG) and pipelines and booster PS.	1998	$3,100,000
10	C	140000	14	Escondido, City of	3710006	002	Wohlford Dam Penstock constructed of riveted steel and concrete pipe (42") is 70 years old.	Design and construct replacement	1998	$1,750,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	168977	16	GSWC - SOUTHWEST	1910155	014	SEA WATER INTRUSION AT OCEAN GATE WELL (CURRENTLY INACTIVE)	EQUIP THE WELL, INSTALL REMOVAL TREATMENT OR DRILL A NEW WELL AT A DIFFERENT SITE	1998	$1,100,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	005	2 PRODUCTION WELLS AT THE CHADRON SITE ARE THREATEN DUE TO A KNOWN LEAKING UST ON THE SITE WHICH WAS REMOVED IN 1990.	CONSTRUCT A NEW WELL IN A UNCONTAMINATED AQUIFER	1998	$1,000,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	007	OLD CAST IRON PIPES WITH BIO-GROWH AND NITRIFICATION PROBLEM	CEMENT LINING WATER MAINS IN CRITICAL AREAS	1998	$1,000,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	001		REPLACE WATER MAINS IN CRITICAL AREAS.	1998	$3,575,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	008	ALUMINUM LEVEL EXCEEDING MCL AT ATHENS WELL #1 (CURRENTLY INACTIVE)	INSTALL REMOVAL TREATMENT OR DRILL A NEW WELL AT A DIFFERENT SITE	1998	$1,100,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	006	NO DISINFECTION AT 12 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT 12 MWD CONNECTIONS	1998	$180,000
10	C	414710	20	Eastern Municipal WD	3310009	023	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	1999	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	025		Develop an annual program for replacements of these pipeline and valves.	2001	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	027	Bradley Rd. pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$630,000
10	C	414710	20	Eastern Municipal WD	3310009	028	Carmel Rd. pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$936,000
10	C	414710	20	Eastern Municipal WD	3310009	031	The pipeline in Ellis Ave. between Antelope Rd. and Murrieta Rd. is located in extremely corrosive soil. The result is frequent leaks and possible water contamination.	Install cathodic protection on this pipeline.	1998	$123,000
10	C	414710	20	Eastern Municipal WD	3310009	030	Cherry Hills Blvd. Pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$991,000
10	C	414710	20	Eastern Municipal WD	3310009	009	Old and deteriorated pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	1999	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	414710	20	Eastern Municipal WD	3310009	032	Several pipeline in the Quail Valley area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$296,000
10	C	414710	20	Eastern Municipal WD	3310009	029	The pipeline in Cawston Ave. is located in extremely corrosive soil. This has caused leaks in the past which were potentially capable of causing water contamination. The last major leak lost in excess of 3 MG.	Install cathodic protection and bond all pipe joints.	1998	$778,600
10	C	414710	20	Eastern Municipal WD	3310009	022	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	1998	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	015	The Good Hope pressure zone is critically short of finished water storage facilites, and is not able to supply enough water to meet average day demand.	Construct a 3.4 MG finished water tank.	1998	$2,730,800
10	C	414710	20	Eastern Municipal WD	3310009	012	In the past a number of water systems have been developer built in isolation of the rest of the system. Over time these areas have grown together, but have not been interconnected. The resultant water quality problems at dead end pipelines, …	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	2002	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	033	Ridgemoor Rd. pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$381,000
10	C	414710	20	Eastern Municipal WD	3310009	010	Old and deteriorated pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	2000	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	026	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	2002	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	008	Old deteriorated dead end pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	1998	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	007	Finished water storage capacity in the Daily/Daily Regulated pressure zone is inadequate. As a result, pump failure in this system causes pressure loss and exposes a large number of domestic water users potentially to water contamination.	Construct a 1.0 MG finished water tank.	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	414710	20	Eastern Municipal WD	3310009	001	Moreno Valley MWC operating responsibility aquired. The system has 2 wells contaminated with Nitrate. A non-operational wellhead treatment system and network of undersized and aged distribution lines.	Study and upgrade the distribution system and investigate the feasibility of reactivating the nitrate wellhead treatment system. Install proper controls and upgrade piping and instrumentation.	1998	$1,000,000
10	C	414710	20	Eastern Municipal WD	3310009	011	Old and deteriorated pipelines.	Develop an annual program to interconnect these two systems, provide looping where possible, and reduce dead-end pipelines.	2001	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	034	Sun City Blvd. Pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$710,000
10	C	414710	20	Eastern Municipal WD	3310009	049	Several pipelines in theGood Hope area have a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace these CML&C pipes with PVC and where necessary upgrade undersized pipe.	1999	$172,000
10	C	414710	20	Eastern Municipal WD	3310009	048	Hemlock Ave. pipeline in the City of Moreno Valley has history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1999	$360,000
10	C	414710	20	Eastern Municipal WD	3310009	050	The A St. pipeline in the City of Perris has a history of leaks. This pipeline is the major transmission line for the community of Good Hope and part of the City of Perris. The leaks have caused disruption of service and loss of pressure in the sys	Replace leaky section of CML&C pipe with PVC.	1999	$1,020,000
10	C	414710	20	Eastern Municipal WD	3310009	035	Worcester Rd. Pipeline in the Sun City area has a history of multiple leaks, causing system interuptions, loss of pressure and potential water contamination.	Replace existing CML&C pipeline with PVC and where necessary upgrade undersized pipe.	1998	$911,000
10	C	414710	20	Eastern Municipal WD	3310009	024	EMWD has many aged, undersized, and leaking pipelines which were inherited through past system consolidations. These pipelines pose potential water quality problems and affect system pressure and distribution capacity.	Develop an annual program for replacements of these pipeline and valves.	2000	$500,000
10	C	457514	9	City of Sacramento	3410020	015	Inefficient emergency power for the treatment plant during power outages.	Provide additional standby power by installing a new engine-generator. Involves refinancing, design and construction.	1998	$100,000
10	C	457514	9	City of Sacramento	3410020	014	Clearwells require interconnecting piping to allow the two reservoirs to float as one storage unit.	Install a new 60-inch steel interconnecting pipe. Involves refinancing and construction.	1998	$100,000
10	C	457514	9	City of Sacramento	3410020	013	Existing treated water pump station is aged and structure settlement and pipeline leaks have occurred.	Provide new treated water pump station and connecting piping. Involves design and construction.	1998	$20,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	457514	9	City of Sacramento	3410020	007	Insufficient emergency power for the plant during power outages.	Install a new engine-generator for additional standby power. Involves refinance, design and construction.	1998	$100,000
10	C	457514	9	City of Sacramento	3410020	003	Cross-connection control surveys must be done.	Conduct a cross-connection program survey. Data will be used to establish a priority list for backflow assembly.	1998	$131,500
10	C	457514	9	City of Sacramento	3410020	022	Water pressure levels in South Sac routinely drop below the City's minimum water pressure level.	Isolate South Sac as single pressure zone. Modify Florin Reservoir Pump Station to increase discharge head. Construct groundwater well to help supply peak demand. Involves refinancing and construction.	1998	$306,000
10	C	457514	9	City of Sacramento	3410020	016	Concrete slabs and walls in existing basins and filters are cracked and have lost a large part of the cement matrix at the surface exposed to water.	Repair cracks and place a concrete coating on the slab and wall surfaces.	1998	$500,000
10	P	25	5	NEW CAMALDOLI HERMITAGE WS	2702268	001	Deteriorating water storage tanks.	Construction of 3 new tanks.	1998	$12,000
10	P	50	21	MANTON SCHOOL	5200532	001	Lack of Storage and aging pipes. Water treatment and disinfection facilities.	Build a storage tank of about 30,000 gallons, and add new pipe for school.	2000	$10,000
10	P	55	5	PACIFIC VALLEY SCHOOL WS	2702254	001	System facilities (well, storage, distribution) are in poor condition resulting in TCR violations.	Need to install new well, storage tank, and pipes.	1998	$30,000
10	P	75	2	WHITMORE UNION ELEM SCHOOL	4500181	001	Insufficient water pressure. System not fulfilling Section 64566 (system pressure) of the Waterworks Standards.	Install 125 gallon bladder tank on a steel frame to provide the pressure required by the Waterworks Standards.	1998	$980
10	P	115	11	SHAWS FLAT ELEMENTARY SCHOOL	5500107	001	SYSTEM LACKS RELIABILITY AS IT IS SUPPLIED BY ONLY ONE WELL AND THE STORAGE CAPACITY IS LESS THAN ONE DAY'S DEMAND.	CONSTRUCT A NEW WELL AND INSTALL A 15,000 GALLON STORAGE TANK.	1998	$45,000
10	P	300	9	WALNUT GROVE ELEMENTARY SCHOOL	3400268	001	Single well source with no storage; unreliable.	Install storage tank to increase storage capacity.	1999	$50,000
10	P	350	9	DELTA HIGH SCHOOL	5700510	001	Not enough storage capacity.	Intstall 20,000 gallon storage tank. Involves design and construction.	1998	$35,000
10	P	400	9	CLARKSBURG MIDDLE SCHOOL	5700509	001	Inadequate storage.	Install 20,000 gallon tank.	1999	$33,000
10	P	400	17	PESCADERO HIGH SCHOOL	4100513	001	Cracked well casing needs to be repaired.	Feasibility study to consolidate with CSA 311 San Mateo County.	1998	$15,000
10	N	29	5	OAK PARK WS	2700999	001	System needs to install booster system and replace water mains due to lack of water pressure and aging pipes.	Install pressure system and replace aging water mains.	1998	$50,000
10	N	29	5	OAK PARK WS	2700999	004	Non-potable irrigation system is not adequately separated from potable distribution system.	Replace existing potable distribution system with adequate separation.	2000	$40,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	N	50	18	Sonoma County Parks-Stillwater Cove	4901207	001	Need well, distribution lines, water pumps, chlorinator and tank replacement.	Replace well, distribution lines, water pumps, chlorinator and tanks.	1999	$125,000
10	N	50	20	AZALEA TRAILS GIRL SCOUTS CAMP	3301025	001	Storage capacity is inadequate. We need a second tank for increased storage. Water lines are close to or on the surface. Lines need to be buried at an adequate depth to prevent freezing.	Would like to construct a 20,000 to 40,000 gallon storage tank and replace approximately 2000' of 4-inch line and approximately 3000 of 2-inch line.	1999	$100,000
10	N	94	10	SKY HIGH RANCH HOA	0500021	001	DISTRIBUTION SYSTEM OF SMALL PIPE SIZES, INADEQUATELY BURIED.	REPLACE/REMEDIATE DISTRIB8UTION SYSTEM. OTHER = STUDY, DESIGN AND CONSTRUCTION	1998	$625,000
10	N	800	5	CSP-J.P. Burns Park	2710302	001	Three redwood tanks need to be replaced. Supply and signal lines from well need to be replaced.	Replace and relocate tanks. Install security fence and monitoring equipment.	1998	$24,000
10	N	1000	5	CSP-Andrew Molera State Reserve	2710301	001	Erosion has exposed the main water line requiring that it be relocated.	Dig up and relocate existing line away from river bank. Install monitoring equipment to improve inspection of the system.	1998	$12,000
10	N	5000	19	WILLOW SPRINGS RACEWAY	1502223	001	Needs new generator - currently using old diesel generator to operate well.	Bring electricity to water systems to replace generators	1998	$100,000
5	C	40	5	BAUMANN RD WS #01	2700842	001	System needs new holding tank, new line to the pump, and new pressure tanks.	Replace holding tank, construct new line to the pump, and replace pressure tank.	1999	$4,500
5	C	50	16	COLORADO MUTUAL	1900801	001	LOW WATER PRESSURE (APPROX. 35 PSI) DURING NORMAL OPERATION.	UPDATE PUMP TO A 10 HP PUMP AND INSTALL AN AIR PRESSURE PUMP AND VARIOUS ELECTRICAL TO ACCOMMODATE CHANGE	1998	$4,000
5	C	50	5	RANCHO CHAPARRAL MWC	2701278	003	Inadequate water storage to meet demand [No documentation provided]	Conduct assessment to determine storage requirements, and design/construct tank, pump, fittings, and plumbing	2000	$50,000
5	C	50	5	CHETMOORE ACRES WA	2700634	001	Lack of water storage capacity, and water mains are aging (constructed in the 1940's).	Install new water mains and two new 20,000 gallon storage tanks	1998	$50,000
5	C	50	20	DESERT VIEW TRAILER PARK	3301209	001	Lack of storage.	None listed	1998	$0
5	C	63	19	BRITE LAKE COMMUNITY ASSOCIATION	1500489	001	(1) Old decaying water lines that presently deliver water. (2) Back up well to provide water service in case of mechnical breakdown	Replace 2000-3000 ft. of water line. Replace pump and well system	1998	$30,000
5	C	70	13	LUNDY MUTUAL WATER COMPANY	2600532	001	Refinance loan, additional storage, additional source, standby power, equipment for repairs	Refinance loan, construct new tank and well, purchase generator and other equipment	1999	$500,000
5	C	72	5	MCCOY RD WS #05	2701040	001	System needs new storage tank, pump stations, and distribution mains.	Install tanks holding approx. 30,000 gallons and new pumping station. Install main lines from holding tanks with fire hydrants on new distribution lines.	1998	$150,000
5	C	90	3	Lake View Mutual Water Co.	2300606	002	System needs shut-off valves so system components can be isolated.	Install readily accessible shut-off valves so system components can be isolated.	1998	$3,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	100	18	Sonoma Ranch Mutual Water Company	4900843	001	3 existing wells provide a marginally adequate supply of water. Capacity of storage tanks is inadequate. Existing storage tanks and distr. Lines are old and in some cases inadequate.	Crill new well. Install new storage tank. Upgrade existing tanks or main pipeline. Upgrade existing controls and valves. Construct control station facility and chlorination system.	1998	$723,000
5	C	120	10	CLEMENTS WATER WORKS #43	3900504	001	SINGLE WELL SYTEM WITH NO AUXILIARY POWER	DRILL SECOND WELL AND INSTALL AUXILIARY POWER. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
5	C	140	4	WILLOW PASS MOBILE HOME *CL 1/07	0707624	002	Water has contaminents.	Install filtration system and new piping.	2000	$200,000
5	C	150	5	ROLLING WOODS MUTUAL WATER CO	4400542	001	One water line is corroded and needs to be replaced.	Replace water line.	1998	$12,500
5	C	150	1	Benbow W.C.	1200671	001	Inadequate and aged storage. Storage volume does not meet Waterworks Standards.	Construct 250,000 gallon welded steel tank to provide adequate storage.	1998	$175,000
5	C	150	16	CAMP WILLIAMS- RESORT	1900529	001	STORAGE TANKS NEED REPAIRS, EMERGENCY BACK-UP WELL NEEDS TO BE BROUGHT ON-LINE, NEED TO INSTALL CHLORINATOR AND PUMP HOUSE, NEED TO REPAIR MAIN LINES TO INCREASE PRESSURE	RETAIN SERVICES OF REQUIRED PERSONNEL TO DO REPAIRS.	1998	$6,874
5	C	150	11	MD#40 SUNSET RIDGE ESTATES	2000851	001	THE SYSTEM SOURCE, STORAGE, AND DISTRIBUTION FACILITIES ARE NOT ADEQUATE TO MEET THE GROWING DEMANDS OF THE SYSTEM.	INSTALL A NEW WELL, 50,000 GALLON STORAGE TANK, AND DISTRIBUTION SYSTEM.	1998	$200,000
5	C	150	5	STRAWBERRY RD WS #06	2700766	001	Need new storage tank and cement slab to prevent contamination.	Replace holding tank and remove existing tank.	1998	$12,240
5	C	150	5	GARRAPATA WC INC	2701257	001	Distribution piping and facilities need replacement.	Install new piping (supported in areas with steel beams in concrete), fencing, pumps, meters, storage tanks, and a new well.	1998	$124,900
5	C	150	5	STRAWBERRY RD WS #06	2700766	003	Bacti sampling frequently tests positive for coliform	Need a cement slab at well to prevent contamination. Need new 15,000 gallon tank.	2001	$15,000
5	C	150	5	STRAWBERRY RD WS #06	2700766	002	Water storage tanks are old and in poor condition.	Replace existing tank or tanks with new tank and new cement pad.	2000	$12,000
5	C	182	21	Del Oro Water Co.-Walnut Ranch	0600011	001	Need additional water source.	Construct additional water source and pipeline appurtenances.	1998	$150,000
5	C	195	10	AWA La Mel Heights #3	0310019	001	SYSTEM HAS A SINGLE WELL AND THE TANK IS BADLY CORRODED AND LEAKS	DRILL A SECOND WELL AND REPLACE THE TANK WITH A LARGER, NEW ONE. OTHER = DESIGN AND CONSTRUCTION.	2002	$175,000
5	C	223	14	PINE HILLS MUTUTAL WATER COMPANY	3700905	006	Distribution system contains some undersized pipes, with less than 30 inches of cover, improper bedding, and no thrust block protection, causing periodic outages. System delivery capability is in sufficient to meet current demand.	Build 17,600 feet of 4-inch and 35,300 feet of 6-inch new water mains.	2002	$2,580,800

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	225	18	Western Mobile Home Park	4900791	001	Low water pressure to part of system.	Run 2 inch line with 3/4 inch lateral to each of the 5 homes affected.	1998	$10,000
5	C	229	6	CASITAS MUTUAL WATER COMPANY	5601104	001	Distribution system needs upgrades to comply with Water Works standards.	Design to solve problem, increase pumping ability (psi), replace old lines & interconnect to form grids and loops.	1998	$150,000
5	C	230	4	RIVERVIEW WATER ASSOCIATION	0707577	001	Low water level in one well.	Drilling deeper well and installing newer pump.	2000	$10,000
5	C	235	14	LAKE WOHLFORD RESORT	3700919	001	Need new well which will require new electric service. Need extra storage tank 60,000 gallon. System has had outages.	Install well, run electricity to well. Purchase and install storage tank.	1998	$120,000
5	C	268	5	Tres Pinos CWD	3500509	001	Inadequate water production and storage.	Drill new well. Construct new pipe line. Add 500,000 gallon tank and other new equipment. Need funds for design and construction.	1998	$1,000,000
5	C	300	11	Yosemite West Water System	2210924	001	NO BACKUP SOURCE OR POWER SUPPLY, NO EMERGENCY CHLORINATION SYSTEM, AND DISTRIBUTION SYSTEM DEFICIENCIES.	CONSTRUCT A NEW WELL AND BACKUP GENERATOR, INSTALL AN EMERGENCY CHLORINATION SYSTEM, AND MAKE VARIOUS DISTRIBUTION SYSTEM IMPROVEMENTS.	1998	$670,000
5	C	340	18	Palomino Lakes Mutual Water Co.	4900570	001	Need more water storage.	Construct new 100,00 or 150,00 gal tank.	1998	$85,000
5	C	375	2	Ward Well Water Company	3110031	001	40 year old storage tank deterioration, 45+ year old pipes rusting through, addition of hydrants as we replace mains	Replace tank - increase capacity, replace mains	2001	$1,000,000
5	C	438	5	VEGA RD WS #01	2700787	001	Existing tanks are very deteriorated and can not be repaired, resulting in inadequate water storage capacity.	Construct new water tank and associated appurtenances.	2000	$175,000
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	005	Needs adequate size line from storage tank to Thatcher Road to comply with Water Works standards.	Replace line from tank to distribution system.	1998	$96,090
5	C	578	14	Julian Community Services District	3700909	001	Operations plant old and unreliable.	Replace with updated modern equipment	1999	$150,000
5	C	582	13	ARROWBEAR PARK CWD	3610110	001	Undersized mainline	Replace mainline to WW stds.	1999	$150,000
5	C	600	2	Placer CSA - Sheridan	3110048	001	Lack of well capacity and storage	New wells and ground level water storage tank	2002	$875,000
5	C	1175	11	MADERA CO SA #1-INDIAN LAKES	2010011	001	THE WATER SYSTEM NEEDS ADDITIONAL SOURCE AND STORAGE CAPACITY TO MEET THE GROWING DEMANDS OF THE SYSTEM.	INSTALL A NEW WELL AND A 750,000 GALLON STORAGE TANK.	1998	$300,000
5	C	1200	16	BELLFLOWER HOME GARDENS WC	1910012	001	Reliability Well #3 production marginal and requires replacement.	Design and construction of a replacement well.	1998	$150,000
5	C	1392	6	PASO ROBLES BEACH WATER ASSN	4010006	001	Needs to upgrade the system to comply with Water Works standards.	Build new tank and replace mains.	1998	$650,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	002	Damaged Delores Tunnel Well transmission line to the Vosburg Reservoir.	Replace and realign damaged line to restore delivery of a potable water source.	1998	$130,000
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	001	Well No. 3 transmission line is subject to washout during rainy weather as it crosses a major flood channel 6' above unlined channel bed.	Relocate 8" transmission line to New York Drive, attaching line to bridge.	1998	$150,000
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	007	WW standards defects. Two (2) aged concrete reservoirs are in need of replacement.	Design and construct one larger concrete reservoir.	2000	$400,000
5	C	1964	14	Majestic Pines Community SD	3710041	001	More water source is needed to reliably meet demands. New reservoir at whispering pines site. Line looping and intertie w/Julian CSD (see attachment).	See attachment	1998	$0
5	C	2386	10	Amador County Service Area #3/Unit 6	0310021	001	RAPIDLY DWINDLING WATER SUPPLY WITH IRON AND MANGANESE PROBLEMS.	BUILD AND CONNECT TO REGIONAL SURFACE WATER TREATMENT PLANT. OTHER = DESIGN AND CONSTRUCTION.	1998	$2,100,000
5	C	2386	10	Amador County Service Area #3/Unit 6	0310021	002	PRODUCTIVITY OF WELLS FAILING. IRON AND MANGANESE IN AVAILABLE GROUNDWATER.	DEVELOP A SURFACE WATER SUPPLY AND CONSOLIDATE SYSTEM 0310021 WITH 0310008. OTHER = DESIGN AND CONSTRUCTION	1998	$2,050,000
5	C	3640	10	San Joaquin County-Mokelumne Acres	3910017	002	WATER SYSTEM NEEDS LOOPING	ADD WATER LINES TO LOOP ENTIRE SYSTEM. (SAYS CONSOLIDATION, BUT DOES NOT SEEM POSSIBLE.) OTHER = DESIGN AND CONSTRUCTION.	1998	$400,000
5	C	3969	3	Redwood Valley County Water District	2310008	002	Shortage of treated water storage.	Construct a 500,000 gal treated water storage tank.	1998	$365,000
5	C	3969	3	Redwood Valley County Water District	2310008	003	A long run of 6 inch dead end line creates restricted flow in an area of the District distribution system with the highest demand.	Install 2100 LF of 8 inch main line to loop system and provide improved service characteristics.	1998	$130,000
5	C	3969	3	Redwood Valley County Water District	2310008	004	Inadequate pump capacity which prevents district form utilizing the full treatment capacity of its water treatment plant.	Replace a 40 HP pressurization pump with a 60 HP pump to increase plant capacity from 1.5 MGD to 2.23 MGD.	1998	$15,000
5	C	3969	3	Redwood Valley County Water District	2310008	001	Shortage of treated water storage.	Construct a 400,000 gal treated water storage tank.	1998	$455,000
5	C	4074	7	VALLEY VIEW MUTUAL WATER CO.	1910165	001	Replace undersized main lines and service lines, possible drilling of new well to replace well that went dry.	Low pressure on the old main lines, possible storage tanks installation plus a chlorination system.	1999	$500,000
5	C	5220	21	Durham Irrigation District	0410003	001	Old watermains. Insufficient source capacity.	Replace water mains and increase capacity of new well.	1998	$180,000
5	C	5742	8	Golden State WC - Yorba Linda	3010070	001	Lack of reliability to the existing water source.	Study design and construct a new Surface Water Treatment plant to utilize the MWD raw water connection in close proximity to the plant site.	1998	$2,000,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	010	Old, undersized steel mainline	Replace 2250 ft of main	2002	$135,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	007	Old, undersized steel mainline	Replace 2800 ft of main	1999	$168,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	008		Replace 2770 ft of main	2000	$166,200
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	009		Replace 3050 ft of main	2001	$183,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	006		Replace 4450 ft of main	1998	$267,000
5	C	6796	9	Golden State Water Co - Arden Water Serv	3410003	001	No remote monitoring.	Install automation and telemetry.	1998	$20,000
5	C	7218	19	TEHACHAPI, CITY OF	1510020	005	INABILITY TO TRANSFER WATER FROM PINION WELL TO STORAGE TANKS	INSTALL 2,000' OF 10" PIPE FROM PINION WELL TO CURRY STREET STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION.	1998	$66,400
5	C	7218	19	TEHACHAPI, CITY OF	1510020	004	LACK OF BACKUP BOOSTER CAPABILITIES FROM WELLS TO STORAGE	INSTALL SECONDARY BOOSTER PUMP	1998	$30,000
5	C	7218	19	TEHACHAPI, CITY OF	1510020	002	LACK OF EMERGENCY POWER	INSTALL EMERGENCY GENERATOR - PINION WELL	1998	$47,000
5	C	7218	19	TEHACHAPI, CITY OF	1510020	001	PRESSURE FLUCTUATION HIGH END OF THE SYSTEM	INSTALL 250,000 GALLON HOLDING TANK. OTHER - DESIGN AND CONSTRUCTION	1998	$180,000
5	C	7218	19	TEHACHAPI, CITY OF	1510020	003	NUMEROUS SERVICE LINE FAILURES IN OLDER SECTIONS OF THE CITY	REPLACEMENT OF FAILING SERVICE LINES	1998	$1,647,500
5	C	7788	19	GOLDEN HILLS CSD	1510045	001	In case of emergency district has no alternative source of water.	Tie the Golden Hills and City of Tehachapi water systems together. Other - Design/Construction	1998	$175,000
5	C	7788	19	GOLDEN HILLS CSD	1510045	002	District operates on thirteen wells. Nine wells have an output of less than 300 gpm., three have an output of less than 100 gpm.	Construct 4 new wells. Other - Design/Construction	1998	$400,000
5	C	7788	19	GOLDEN HILLS CSD	1510045	004	District is utilizing it's full capacity from the existing usable wells, all located within our adjudicated area.	Develop and construct a system of wells in our nonadjudicated area, while continuing to increase our water rights. Other - Design/Construction	1998	$800,000
5	C	7788	19	GOLDEN HILLS CSD	1510045	005	Current district storage capacity only provides water for 24 hours.	Construct a 1mg storage tank. Other - Design/Construction	1998	$500,000
5	C	8508	10	ACWA Buckhorn Plant	0310012	004	The Buckhorn Water Treatment Plant (WTP) source water is received via a siphon diversion from the PG&E Tiger Creek Afterbay on the Mokelumne River at an elevation of 2330 feet. The water is conveyed through the 30+ year old Central Amador Water Project (	The project would complete environmental requirements, right-of-way acquisition, construction plans and specifications together with construction of the CAWP Gravity Supply Line (GSL) Conveyance Project. The project consists of 30,000± to 33,000± linear	2007	$12,666,655
5	C	11852	14	Imperial, City of	1310006	004	Obsolete water mains and valves. Inadequate valving (potential hazard to large sections of City in the event of water main failure and shut down).	Start program to replace obsolete mains and valves	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	11852	14	Imperial, City of	1310006	003	City has inadequately sized water mains to serve existing residences in the City's Sphere of Influence.	Install and replace with properly sized water mains.	1998	$600,000
5	C	12427	10	CITY OF LATHROP	3910015	001	Aging network of small diameter mains in oldest part of town	Replace network with larger diameter mains.	2000	$4,500,000
5	C	12626	6	NIPOMO COMM SERVICES DIST	4010026	001	Distribution system needs to be upgraded to comply with Water Works standards.	Drill a new well, construct a new transmission line to a new water storage facility	1998	$1,500,000
5	C	12626	6	NIPOMO COMM SERVICES DIST	4010026	002	Bottle neck in the distribution system which restricts water flow from the west side to the east side of the District's system when wells are running.	Construct approx. 5500 feet of new water lines to enhance water flow and energy savings.	2000	$375,000
5	C	15222	6	FILLMORE WATER DEPT	5610002	003	System pressure does not comply with Water Works standards at times.	Create new pressure zone so that minimum pressure would be 40 psi and tanks could be exercised daily.	1998	$745,000
5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	002	High manganese levels in well and inadequate water supply.	Construct 500,000 gallon water storage tank. Involves design and construction.	1998	$450,000
5	C	17631	22	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	005	Low pressure in Zone 1.	Install booster station.	2005	$750,000
5	C	21780	18	Valley of the Moon Water District	4910013	003	Low-head lines in system.	Construct new storage tank (Sobre Vista area).	1998	$250,000
5	C	21780	18	Valley of the Moon Water District	4910013	004		Install new larger lines and booster pumps.	1998	$1,800,000
5	C	21780	18	Valley of the Moon Water District	4910013	005		Install new storage tank and booster pumps (Crest area).	1998	$600,000
5	C	21780	18	Valley of the Moon Water District	4910013	008		New distribution pipelines.	2001	$800,000
5	C	21780	18	Valley of the Moon Water District	4910013	006		Install Booster pumps and transmission/distribution pipelines.	1999	$550,000
5	C	21780	18	Valley of the Moon Water District	4910013	007		New distribution pipelines.	2000	$550,000
5	C	22000	6	PORT HUENEME WATER DEPT	5610009	004	Two backup wells do not have disinfection facilities.	Install emergency gas chlorination disinfection facilities for the two wells.	1998	$20,000
5	C	22000	6	PORT HUENEME WATER DEPT	5610009	003	Distribution system needs upgrades to better water quality and comply with Water Works standards.	Install two water mains to close the distribution loops and interconnect the distribution system which will decrease the detention time to help aviod nitrification problems.	1998	$30,000
5	C	22000	6	PORT HUENEME WATER DEPT	5610009	006	Cast Iron mains constain lead joints amd impart lead contamination to water supply.	Replace two cast iron water mains with PVC C900.	2000	$30,000
5	C	22000	6	PORT HUENEME WATER DEPT	5610009	001	Waterworks standards are difficult to meet in certain sections due to undersized water mains.	Install ten water mains to replace the undersized 4,6 & 8 -inch water mains.	1999	$535,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	23564	16	SAN FERNANDO-CITY, WATER DEPT.	1910143	002	Several key water system transmission lines are damaged from earthquake activity and system aging. Frequent leakage repair creates a potential for water system contamination.	Design and replace approximately 1.75 miles of 18-inch water transmission lines.	1999	$1,100,000
5	C	23564	16	SAN FERNANDO-CITY, WATER DEPT.	1910143	001	Reservoir No. 4 was damaged in the 1994 Northridge earthquake. Replacement storage is needed to maintain system pressure.	Replace the 1.0 million gallon system storage Reservoir No. 4. Project involves: Design to solve problem, and Construction	2000	$2,500,000
5	C	23564	16	SAN FERNANDO-CITY, WATER DEPT.	1910143	004	WW standards defect. Reliability of outdated telemetry system.	Upgrade to a computerized telemetry system. Project involves: Study, Design, and Construction	2000	$180,000
5	C	23923	4	Golden State Water Company - Bay Point	0710002	004	replace aging distribution water main to improve system reliability and water quality.	Replace 500' of 2" OD steel water main.	1998	$35,000
5	C	24157	8	City of Seal Beach	3010041	002	Reliability of chlorination system not acceptable by Fire Authority.	Upgrade 4 well sites using containment or on site chlorination.	1998	$300,000
5	C	24157	8	City of Seal Beach	3010041	001	Reliability of existing distribution piping poor due to undersized lines, leaky vales in operable valves.	Replace water lines with pvc and resilient wedge gate valves.	1999	$1,428,000
5	C	27199	2	Placer CWA - Auburn/Bowman	3110005	001	Does not have a standby generator and when power is lost, the plant does not operate. The water treatment plant does not have the required level of reliability as stated in SWTR Section 64659.	Install standby diesel generator. Involves design and construction.	1999	$200,000
5	C	40000	9	Carmichael Water District	3410004	006	Reservoir needs painting, coating and construction of vents.	Install vents, paint and coat reservoir.	1998	$600,000
5	C	40000	9	Carmichael Water District	3410004	002	Water main is causing water quality and delivery problems.	Replace 35 miles of water main. Involves design and construction.	1999	$17,000,000
5	C	48909	9	Golden State Water Co. - Cordova	3410015	001	No regional system monitoring.	Install automation and telemetry at Kilgor and El Segundo Wells.	1998	$20,000
5	C	51014	13	MONTE VISTA CWD	3610029	001	High nitrate in several sources	Recharge basin with low nitrate water using injection wells	1998	$920,000
5	C	51014	13	MONTE VISTA CWD	3610029	002		Recharge basin with low nitrate water using injection wells	1999	$700,000
5	C	51014	13	MONTE VISTA CWD	3610029	004		Construct Plant 17 blending station	1998	$276,000
5	C	51014	13	MONTE VISTA CWD	3610029	007	Old undersized mainline	Replace mainline Phase I	1998	$410,000
5	C	51014	13	MONTE VISTA CWD	3610029	008		Replace mainline Phase II	1999	$2,200,000
5	C	51014	13	MONTE VISTA CWD	3610029	009		Replace mainline Phase III	2000	$2,200,000
5	C	51014	13	MONTE VISTA CWD	3610029	010		Replace mainline Phase IV	2001	$2,200,000
5	C	51014	13	MONTE VISTA CWD	3610029	011		Replace mainline Phase V	2002	$2,200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	51014	13	MONTE VISTA CWD	3610029	005	High nitrate in several sources	Construct Plant 4 blending station	1998	$62,000
5	C	64000	7	MONTEREY PARK-CITY, WATER DEPT.	1910092	003	WW standards defect. Reliability of outdated telemetry system.	Install SCADA system. Project involves: Design to solve problem and Construction	1998	$935,000
5	C	64000	7	MONTEREY PARK-CITY, WATER DEPT.	1910092	002	WW standards defect. Treated water reservoir does not meet reliability and fire storage requirements.	Build 3 reservoirs (total 8.7 million gallons) in 3 different pressure zones.	1998	$7,600,000
5	C	64000	7	MONTEREY PARK-CITY, WATER DEPT.	1910092	001	WW standard defect. No back-up on emergency power.	Install 3 generators to partially operate system when primary power gone.	1998	$670,000
5	C	66256	22	PARK WC - BELLFLOWER-NORWALK	1910211	001	Aged wells are declining in both production and water quality.	Preliminary and final design and construction of replacement well.	1999	$1,180,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	001	Chlorination systems require immediate upgrading to meet present codes (Palm, Joanbridge and Maine Plants).	Design and construct new chlorination systems and containment buildings.	1998	$225,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	002	Sub-standard pressures experienced at times of maximum day flow in the Upper Baldwin Park Pressure Zone.	Design and construct new piping to connect the affected Zone to the Morada Pressure Zone.	1998	$250,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	004	Reliability. Inadequate water supply for the Morada Zone. Morada Well off-line due to nitrate VOC and perchlorate contamination.	Design and construct removal or blending facility for the Morada Well.	1999	$750,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	007	Expected shortage of water supply, based upon present growth projections for the fiscal year 1998/99. Need additional source of supply.	Design and construct a new 3,500 gpm groundwater replacement well.	2000	$550,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	003	Reliability. Current water supply is inadequate.	Design and construct one 3,000 gpm connection to the City of Azusa.	1998	$250,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	006	Joanbridge Well Site and Maine Sites are contaminated with nitrates, VOC's, perchlorate and MtBE above their detection levels. No standards exceeded at present.	Construct new treatment facilities at each Well site to remove or blend nitrates, remove perchlorate, remove MtBE, and remove VOC's. Project involves: Study, Design, and Construction	1999	$1,000,000
5	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	008	Expected shortage of water supply, based upon present growth projections for the fiscal year 1998/99. Need additional source of supply.	Construct a new 30 cfs MWD connection. Project involves: Design to solve problem, and Construction	1998	$300,000
5	C	108724	8	Mesa Consolidated WD	3010004	006	Ww standard defects. Aging infrastructure where there is the possibility of contamination caused by leaks or breaks in the pipes on 18th Street between Placentia and Anaheim.	Replacement of main.	1998	$500,000
5	C	108724	8	Mesa Consolidated WD	3010004	004	Ww standard defects. A well is producing water with color units exceeding the standards.	Replace it with a new well producing clear water	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	108724	8	Mesa Consolidated WD	3010004	005	WW standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipes on 18th street between Placentia and Anaheim.	Replace 8" line on 18th Street.	1998	$520,000
5	C	108724	8	Mesa Consolidated WD	3010004	007	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on 19th from Placentia to Harbor.	Replace 12" line on 19th street.	1998	$1,200,000
5	C	108724	8	Mesa Consolidated WD	3010004	008	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on 19th. Street between Placentia and Newport Blvd.	Replace 16" line on Placentia	1998	$1,960,000
5	C	108724	8	Mesa Consolidated WD	3010004	009	Ww standard defects. Aging infrastructure where there is the potential for contamination caused from leaks or breaks in the pipes on Adams from Placentia to Royal Palm.	Replace 12" line on Adams	1998	$1,260,000
5	C	108724	8	Mesa Consolidated WD	3010004	010	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Bake between Fairview and Bristol.	Replace 16" line on Baker	1998	$2,760,000
5	C	108724	8	Mesa Consolidated WD	3010004	011	Ww standard defects. For health and safety reasons there are some customers whose water services should not be interrupted.	Installation of bypass meters to those customers who should not have their service interrupted.	1998	$500,000
5	C	108724	8	Mesa Consolidated WD	3010004	013	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on Fair Drive between Fairview and Newport.	Replacement of the main	1998	$40,000
5	C	108724	8	Mesa Consolidated WD	3010004	014	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between McCormack and Baker	Replace 12" line on Fairview	1998	$810,000
5	C	108724	8	Mesa Consolidated WD	3010004	015	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between Adams and Fair.	Replace 18" line on Fairview	1998	$1,957,500
5	C	108724	8	Mesa Consolidated WD	3010004	002	WW standard defects. Insufficient ozone generated to adequately treat colored water at Well # 4 per verbal report from AWWA and Electric Power Research Institute (draft not received).	Replace ozone generators and Contractors.	1998	$1,500,000
5	C	108724	8	Mesa Consolidated WD	3010004	018	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Gisler from well #6 to the end of the street.	Replace 4" line on Gisler	1998	$172,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	108724	8	Mesa Consolidated WD	3010004	017	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between Avocado and Newport.	Replace the 8" line on Fairview	1998	$80,000
5	C	108724	8	Mesa Consolidated WD	3010004	020	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipe on Meye between Hamilton and 19th Street	Replacement of the main	1998	$500,000
5	C	108724	8	Mesa Consolidated WD	3010004	021	Ww standards defects. Aging infrastructure where there is potential for contamination caused by leaks or breaks in pipes on Meyer between Hamilton and 19th Street.	Replace 6" line on Meyer	1998	$397,500
5	C	108724	8	Mesa Consolidated WD	3010004	022	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Monterey between Mission and El Camino.	Replace 12" line on Monterey	1998	$285,000
5	C	108724	8	Mesa Consolidated WD	3010004	023	Ww standards defects. Dead end line where there is the potential for low chlorine residuals and stagnant water that could result in microbiological contamination.	Construct a 6" tie in line at Pamela and Wilson.	1998	$15,000
5	C	108724	8	Mesa Consolidated WD	3010004	024	Ww standards defect. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipes on Placentia between Wilson and 19th.	Replace the 14" line on Placentia	1998	$1,645,000
5	C	108724	8	Mesa Consolidated WD	3010004	026	WW standards defects. A portion of the system is a no loop system with fead ends. There is the potential for low chlorine residuals and stagnant water that could result in microbiological contamination.	Construction of 5 interies at 23rd and Newport , Kemp reservoir and Wilson, Santa Ana & Mesa, Santa Isabel & Tustin and Monte Vista & Santa Ana	1998	$200,000
5	C	108724	8	Mesa Consolidated WD	3010004	027	Ww standards defects. There are some continuous use customers who cannot have their water service interrupted for health and safety reasons.	Installations of a second service line off a second distribution main to allow for uninterrupted service.	1998	$325,000
5	C	108724	8	Mesa Consolidated WD	3010004	028	Ww standards defects. Aging infrastructure where there is the potential for contamination due to leaks or breaks in pipes on Village from Harbor Blvd to Fairview.	Replace 10" line on Village	1998	$887,500
5	C	108724	8	Mesa Consolidated WD	3010004	029	WW standards defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in the pipes on Wallace between Hamilton and 19th.	Replace the 8" line on Wallace	1998	$530,000
5	C	108724	8	Mesa Consolidated WD	3010004	030	Ww standards defects. There is currently no efficient way for the removal of floating materials from the water surface and for dewatering from the Kemp Reservoir (reservoir #2) .	Installation of a storm drain on 23rd Street, and an overflow line from the reservoir.	1998	$3,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	108724	8	Mesa Consolidated WD	3010004	016	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Fairview between Merrimac and Wellesley.	Replace 8" line on Fairview.	1998	$90,000
5	C	108724	8	Mesa Consolidated WD	3010004	019	Ww standard defects. Aging infrastructure where there is the potential for contamination caused by leaks or breaks in pipes on Harbor Blvd between Sunflower and Princeton.	Replace 12" line on Harbor Blvd	1998	$3,180,000
5	C	108724	8	Mesa Consolidated WD	3010004	001	Water from the lower ground water basin exceeds secondary standards for color and color.WW standard defects.	Construction of a treatment facility which treats this water with ozone and micorfiltration to meet standards.	1998	$16,000,000
5	C	108995	8	Golden State WC - West Orange	3010022	001	Reliability of distribution system disinfection residual.	Study the need to install chloramination facilites.	1998	$85,000
5	C	137367	8	City of Fullerton	3010010	001	Water works standard defect. Production wells have been taken out of service over the years due to water quality concerns. Iron bacteria at well No. 14.	Construct a new well an wellhead facilities (including treatment) in the North end of the City of Fullerton's service area	2001	$2,300,000
5	C	137367	8	City of Fullerton	3010010	008	WW standard defect. Potential water quality problems at the Hillcrest Reservoir (Res No. 1A) due to cracks and the penetration of tree roots.	The City is proposing to demolish the existing Hillcrest Reservoir and construct a new reservoir at the same site.	2000	$7,700,000
5	C	137367	8	City of Fullerton	3010010	007	WW standard defect. Old and unlined pipelines in need of replacement.	Pipeline replacement	1998	$8,063,750
5	C	137367	8	City of Fullerton	3010010	006	WW standard defect. Low Pressure in Zone 3.	Upgrade booster station at Lower Acacia Reservoir to provide required flow to upper regions of Zone 3. Add additional pump at Reservoir 2B to boost Zone 3 pressure during high demand times. Construct 5000 feet of 16 inch main in Brea Blvd.	1999	$804,000
5	C	137367	8	City of Fullerton	3010010	005	Water works Standard defect.Iron and manganese levels in excess of EPA standards at Coyote well No. 12A	Seal the lower well screens with concrete.	1998	$40,000
5	C	137367	8	City of Fullerton	3010010	004	Water works standard defect. Low pressure at higher elevations within the City partially due to inability of main pumping plant to effectively distribute water east and west of the plant.	Install two sections of 16-inch water main	1999	$1,060,000
5	C	137367	8	City of Fullerton	3010010	003	Water works standard defect. Old and unlined pipelines are in need of replacement or rehabilitation.	Design and construction of water mains .	1998	$1,075,500
5	C	137367	8	City of Fullerton	3010010	002	Waterworks standard defect. Production well was taken out of service several years ago due to iron bacteria.	Abandon this well and construct a new well and wellhead facilities at the same site or nearby.	2000	$1,600,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	006	OLD WELLS NEAR AVENUE M AND 5TH STREET WEST MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT 3 NEW 500' WELLS NEAR EXISTING WELLS	2002	$1,224,000
5	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	005	OLD WELLS NEAR AVENUE M AND 7TH STREET WEST MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT 2 NEW 500' WELLS NEAR EXISTING WELLS	2001	$816,000
5	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	003	NORTH AREA OF LANCASTER HAS LOW WATER PRESSURE. THE WEST END OF LANCASTER NEEDS TO BE CONNECTED TO THE EAST END TO IMPROVE WATER PRESSURE.	CONSTRUCT 15,800' OF 36" WATER MAIN	1999	$4,300,000
5	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	004	2 WELLS SHUT DOWN DUE TO ARSENIC > MCL	CONSTRUCT A NEW WELL AND BLEND ITS WATER WITH THE SHUT DOWN WELLS INTO A NEW FOREBAY TANK	1999	$400,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	008	Well F24A at risk for VOC contamination from landfill upstream.	Construct treatment facility	1999	$2,000,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	009	Well F26A at risk for VOC contamination from landfill upstream.	Construct treatment facility	1999	$2,000,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	010	Well shutdown due to high nitrate contamination	Construct nitrate removal facility	2002	$5,000,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	001	Well F25A exceeds nitrate MCL	Construct treatment facility	1998	$2,500,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	002	Single transmission line supplies majority of water to system	Construct additional transmission line with intertie to adjacent utility	1998	$1,250,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	005	Well F4A exceeds nitrate MCL	Construct treatment facility	1998	$2,500,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	006	Well F10A and F10B exceed PCE MCL	Construct treatment facility	1998	$2,500,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	007	Well F13A at risk for VOC contamination from landfill upstream.	Construct treatment facility	1999	$2,000,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	001	WELLS IN NORTHEASTERN PORTION OF THE SEVICE AREA ARE CONTAMINATED WITH VOCS.	CONSTRUCT PIPELINE TO TRANSPORT AN INTERIM WATER SUPPLY FROM THE WESTERN PORTION TO THE NORTHEASTERN PORTION OF THE COMPANY'S SERVICE AREA.	1998	$1,250,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	003	WELL B4B AND B4C EXCEED THE MCL FOR CARBON TETRACHLORIDE AND MAY BE SUBJECT TO SHUT DOWN DUE TO SUPERFUND CLEANUP.	CONSTRUCT TREATMENT FACILITY USING AIR STRIPPING TECHNOLOGY	1998	$1,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	004	WELLS B5A AND B5B EXCEEDS MCLS FOR TRICHLOROETHYLENE AND NITRATE AND MAY BE SUBJECT TO SHUT DOWN DUE TO SUPERFUND CLEANUP.	CONSTRUCT TREATMENT FACILITY USING ION EXCHANGE (FOR NITRATE) AND AIR STRIPPING (FOR TCE) TECHNOLOGIES	1998	$3,500,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	002	WELLS IN SOUTHEASTERN PORTION OF THE SEVICE AREA ARE CONTAMINATED WITH VOCS.	CONSTRUCT PIPELINE TO TRANSPORT AN INTERIM WATER SUPPLY FROM THE WESTERN PORTION TO THE SOUTHEASTERN PORTION OF THE COMPANY'S SERVICE AREA.	1998	$850,000
5	C	345556	8	City of Anaheim	3010001	001	Reliability , shallow wells vulnerable to contamination in upper aquifer.	Abandon the six existing wells that draw from the swallow aquifer and construct six replacement wells that will draw from the deeper aquifers. The project will be completed in phases over a 5 year period .	1998	$1,020,000
5	C	345556	8	City of Anaheim	3010001	003	Reliability of distribution lines poor due to tuberculation.	Replace or reline the unlined cast iron pipes in phases over a five year period.	1998	$9,600,000
5	C	1256951	14	San Diego - City of	3710020	008	Existing reservoir is deteriorated and needs to be refurbished and strenghtened to meet current seismic standards.	Replacement of the 10 million gallon concrete reservoir with two 5 million gallon prestressed circular concrete reservoirs.	2003	$6,500,000
5	C	1256951	14	San Diego - City of	3710020	005	The South SD Reservoir was constructed in 1970. The improvements have been identified in the areas of cicil, structural, and corrosion control to bring the facility up to current seismic standards and comply with the DHS compliance agreement.	Safety, sanitation, appurtenance, exterior and interior surface restoration, cathodic protection, and structural improvements to the 5.2 million gallon tank.	2003	$2,500,000
5	C	2940000	14	San Diego County Water Authority	3710042	002	Lack of distribution system for supplemental emergency water supplies for the San Diego County Regoin..	A 3.8 mile pipeline and pump station from the Olivenhain Reservoir to the San Diego County Water Authority's second aqueduct	1998	$23,300,000
5	C	2940000	14	San Diego County Water Authority	3710042	003	Lack of distribution system for supplemental emergency water supplies from the San Vicente Reservoir to the second Aqueduct	Design and construction of a pump station and 12 mile pipeline from San Vicente Reservoir to the second aqueduct.	1998	$146,600,000
5	P	26	10	VALLEY HOME SCHOOL TEXAS	5000132	001	This funding would help replace all the potable water lines within our classroom building at the Texas Avenue Campus.(Harold Pope School) We have been fighting a lead contamination problem that has forced us to remove all classroom water fountains and sh	We were told that all potable water pipes from the well to all school site outlets, interior and exterior were to be replaced with new up-to-code materials. That means we will have to trench, abandonand replace old exterior pipe from the well to the clas	2007	$60,000
5	P	250	5	RENAISSANCE HIGH SCHOOL	4400758	001	System is aging and is not adequate for present needs.	Replace two storage tanks and install two submersible well-pump motors. Construct a removable "shell" to surround the submersible well-pump.	1998	$50,000
5	P	595	11	CURTIS CREEK ELEMENTARY SCHOOL	5500152	001	OLD WELL - INADEQUATE CAPACITY AND PRESSURE	HOOK UP SCHOOL TO PUBLIC WATER SYSTEM. OTHER - DESIGN AND CONSTRUCTION	2000	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	P	595	11	CURTIS CREEK ELEMENTARY SCHOOL	5500152	002	OLD LEAKY DISTRIBUTION SYSTEM	INSTALL NEW WATERLINE REPLACEMENT. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$60,000
5	P	790	5	SALSIPUEDES ELEMENTARY	4400757	001	System is aging and is not adequate for present needs.	Replace storage tank and construct structure to enclose tanks. Construct an enclosure to surround the well-pump. Replace all water lines.	1998	$60,000
5	P	1925	5	APTOS HIGH SCHOOL	4400750	001		Replace two storage tanks and tank pads. Construct a 450 foot well. Construct an underground "vault" which completely encloses the submersible well-pump apparatus.	1998	$400,000
5	N	25	16	CAMP VALCREST	1900620	001	OLD INTAKE PIPES ARE INADEQUATE TO ALLOW PROPER WATER FLOW TO FILL UP THE 125,000 GAL RESERVOIR ON A MONTHLY BASIS.	REPLACE EXISTING 2" WATER INTAKE PIPES (140") WITH NEW 4" LINES TO MAIN WATER TANK.	1998	$21,000
5	N	50	21	KINGVALE PROPERTY OWNER S WATER SYSTEM	2900508	001	Spring sources have inadequate capacity.	Install a well and storage/pressure system. Involves design and construction.	1999	$50,000
5	N	50	6	NORTHSHORE S & B, INC	4000652	001	Needs storage capacity to comply with Water Works standards.	Install new large tank (replace 3 each 7,500 gallon tanks with one 100,000 gallon tank)	1999	$35,000
5	N	50	5	SPCA WS	2702370	002	Continuous chlorination system is needed due to TCR violations.	Install disinfection system.	1998	$5,000
5	N	55	1	Covington Mill - A	5301103	002	System has only one approved source of supply.	Develop a second deep well site to augment the existing well, and provide addditional source reliability.	1999	$30,000
5	N	70	14	LEAPIN LIZARD RV RANCH	3700001	001	A 2nd source of water in the event the 1st well fails.	Rehabilitate well #2, add new pump, storage tank, transmission line to connect systems	1998	$7,200
5	N	75	21	ANANDA SECLUSION RETREAT WATER SYSTEM	2901934	001	Single source plus inadequate storage.	Install new tank and tower.	1998	$30,000
5	N	100	9	CHILI BAR PUT-IN	0900202	001	Single well source is inadequate.	Find additional backup source and improve quality of present system. Involves study, design and construction.	1998	$160,000
5	N	100	3	AETNA SPRINGS RESORT, INC.	2800569	001	25,000 gal tank needs to be repaired or replaced. Chlorination system also needs to be relocated.	Purchase five 5,000 gal tanks. Move chlorination system to location of new tanks to provide more contact time.	1998	$25,000
5	N	150	13	VIRGINIA LKS. MUT. WATER CO.	2600510	001	Distribution system not constructed per water works standards. Distribution subject to freezing. Line rusting and deteriorating.	Replace 800 feet of old steel line with PVC burried at appropriate depth.	2000	$0
5	N	150	21	CAMP ROSS RELLES WATER SYSTEM	2900520	001	Old tanks need replacing and needs second well for reliability.	Build 50,000 gallons of water storage on camp property 200 feet above the living area; plumbing from the well to the tanks and back. Possible new well or well upgrade.	1998	$125,000
5	N	200	11	SAN JOSE FAMILY CAMP	5500145	001	SYSTEM LACKS RELIABILITY SINCE IT HAS ONLY ONE WELL. B0TH SOURCE AND STORAGE CAPACITY IS MARGINAL, ESPECIALLY DURING LATE SUMMER.	DEEPEN THE EXISTING WELL BY 200 FEET, REPLACE AGING GALVANIZED LINES TO TANKS, AND ADD A NEW 10,000 GALLON TANK.	1998	$40,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	N	250	21	DIAMOND ARROW CHRISTIAN CONFERENCE CPGD	2900567	001	Underground storage tank leaks and must be replaced.	Construction of an above ground metal tank.	1998	$95,000
5	N	400	11	CAMP TAWONGA	5500141	001	NO BACKUP WELL, INADEQUATE STORAGE, NO CHLORINATION, UNEQUAL PRESSURE IN THE SYSTEM.	DRILL A SECOND WELL, ADD A 44,000 GALLON TANK, INSTALL CHLORINATION, LOOP THE SERVICE AREA.	1998	$213,000
0	C	0	17	Santa Clara Valley Water District	4310027	008	Existing Air/Vacuum Relief Valves (ARVs)throughout the distribution system are located below grade. The ARVs are in need of replacement due to old age and can cause disruption in treated water delivery.	Each below-grade ARV on the Treated Water Pipelines will be equipped with a vent attached to the ARV that will extend one foot above flood levels. Project will also include seismic bracing of the ARVs and replacment of old isolation valves.	2006	$21,066,000
0	C	0	6	CALLEGUAS MUNICIPAL WATER DIST	5610050	004	No air gap between raw and treated water.	Install one 60" valve.	1998	$200,000
0	C	0	17	Santa Clara Valley Water District	4310027	001	System has defects in the filter underdrain system.	Replacement of the filter underdrain system with cast-in-place, monolithic, false floor, air/water nozzle system.	1998	$2,010,000
0	C	0	15	COVINA IRRIGATION CO.	1910128	001	APPROX. 1 MILE OF 24" PIPELINE THAT WAS SLIPPED LINE WITH AN 18" TO 20" LINE HAVE LEAKS THAR ARE HARD TO LOCATE.	REPLACE ENTIRE SECTION ALONG THE PUBLIC RIGHT OF WAY	1998	$800,000
0	C	0	16	Metropolitian Dist. of So. Cal.	1910087	003	Reliability. Lake Matthews is in need of a second outlet tower near the shoreline.	Design and construct a new outlet tower near the shoreline.	1998	$165,000,000
0	C	0	15	COVINA IRRIGATION CO.	1910128	004	RAW WATER SUPPLY IS CURRENTLY CONVEYED THROUGH APPROX. 3 MILES OF OPEN DITCH, HAND DUG AND CEMENTED OVER 100 YEARS AGO THAT NEEDS REPAIRS.	REROUTE FLOW THROUGH AN ENCLOSED GRAVITY PIPELINE	1998	$3,000,000
0	C	0	15	COVINA IRRIGATION CO.	1910128	003	RAW WATER DIVERTED FROM THE SAN GABRIEL DAM THROUGH AN ENCLOSED CONDUIT HAND DUG IN EARLY 1800's THAT NEEDS REPAIRS	DETERMINE COURSE OF ACTION (ie. ENCASE OR REROUTE CONDUIT; DESIGN AND CONSTRUCT)	1998	$5,000,000
0	C	0	15	COVINA IRRIGATION CO.	1910128	005	ONE WELL IS CONTAMINATED WITH HIGH LEVELS OF NITRATES.	BUILD A NITRATE TREATMENT AND BRINE DISPOSAL FACILITY TO TREAT MORE THAN ONE WELL AT THE FACILITY	1998	$4,000,000
0	C	0	13	West End Consolidated Water Company	3610086	001	An upgraded iner-tie is needed with SBCsA 70 zone L system due to susecptible MTBE contamination	Replumb pumping lines from wells to booster station, install new reservoir and control valve at booster station	2000	$275,000
0	C	25	18	Russian River Mutual Water Co.	4900665	001	Upgrade transmission, treatment and storage.	Replace transmission lines, increase storage, and install treatment.	1999	$75,000
0	C	31	21	NORTHWOODS MUTUAL WATER SYSTEM	0400003	002	18,000 gallon in ground reservoir needs a new roof.	Construct a new roof over 18,000 gallon in ground reservoir.	1998	$10,000
0	C	32	5	ORCHARD LN WS #02	2700669	001	System needs new well.	Need to drill new well.	1998	$40,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	35	3	LINDA FALLS TERRACE MUTUAL	2800527	002	connections have grown from 4 in 1960 to 15 current connections. Immediate attention is needed to replace water main. Pipe is only 1-2 feet deep and vulnerable to breakage.	Install new mainline complying to Napa County Code and Water Works Standards.	2007	$200,000
0	C	35	3	LINDA FALLS TERRACE MUTUAL	2800527	001	32 year old 34,000 gallon cement tank has leakage problem and needs to be replaced.	Replace tank with new tank.	1999	$10,000
0	C	40	19	DEL SOL WATER CO-OP	1502597	001	The three storage tanks are old, have running rust, and have developed leaks.	Replace the old storage tanks w/ new polyvinyl tanks.	1998	$7,000
0	C	40	21	MOUNTAIN VILLAGE HOMEOWNER S	0400090	001	Existing underground water storage tanks nearly 20 years old. They are beginning to fail as evidenced by leaks, roots and moss.	Construction of a new 20,000 gallon water storage system using polyethylene tanks.	1998	$18,000
0	C	45	3	Sunrise Shore Mutual Water Company	1700536	003	Existing distribution system is Military surplus thin walled steel pipe installed in 1958. Pipe was laid in ground with rocks, gravel and earth. No sand was used.During recent years we are having more problelms with the main line as the pipe is burstin	We have to replace about 4,000 ft of water distribution system. Need to replace our 3 main with minimum 4 we also need to install Fire Hydrants to provide better community fire protecdtion. An additional 10,000 gal storage tank must be added for addion	2008	$250,000
0	C	45	5	CORRAL DE TIERRA ESTATES WC	2700536	004	System needs an emergency back-up booster pump.	Install above.	1998	$5,000
0	C	45	5	CORRAL DE TIERRA ESTATES WC	2700536	002	Distribution system valves will not close completely.	Repair or replace inoperable valves throughout the system.	1998	$10,000
0	C	48	5	PARADISE RD WS #21	2701633	001	System facilities (back-up well, main lines, treatment system) need improvement/replacement.	Recoat tank, repair back-up well, and install water treatment system.	1998	$10,000
0	C	50	17	Aborn Heights Water Mutual Association	4300792	001	Insufficient water storage and water pressure. Need new chlorine system.	Replace existing water tank. Pressurize entire system. Upgrade chlorine injection system.	1998	$150,000
0	C	50	9	BOY S RANCH	3400182	002	Insufficient production from single well to meet demand.	Construct a new 150 gpm well and chlorine treatment system. Involves design and construction.	1998	$200,000
0	C	50	9	BOY S RANCH	3400182	001		Construct a new 250,000 gallon water storage tank. Involves design and construction.	1998	$250,000
0	C	50	20	MORNING SKY SCHOOL	3301947	002	Unable to isolate storage tanks for service without compromising fire flow requirements.	Construct new 30,000 gal storage tank & install manifold piping on all tanks to allow isolation of any one tank.	2005	$70,000
0	C	50	2	Lake Forest Utility Company, Inc	3110032	002	Small distribution lines that provide inadequate pressure and flow.	Replace undersized lines with 6" and 8" lines. Involves design and construction.	1999	$500,000
0	C	51	5	MAHER RD WS #05	2700638	001	Current tank needs replaced. Need additional storage capacity & other system upgrades.	Install additional storage tanks.	2005	$30,000
0	C	55	3	MILTON ROAD WATER COMPANY	2801080	001	Deteriorating water mains.	Redesign, trench and lay new pipeline, laterals and valves.	1998	$30,000
0	C	57	5	TIERRA VISTA MWC	2701959	001	Wells and storage system are aging and have been failing.	Drill a new well, and replace storage tanks and delivery system.	1999	$80,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	60	18	Sonoma County CSA 41-Freestone	4900549	001	The old and structurally failing finished water res. is at risk of contamination from storm runoff.	Replace the old 50,000 gal tank with new steel or redwood 50,000 gal tank.	1998	$80,000
0	C	60	19	WEGIS WATER SYSTEM	1502600	001	Inadequate distrabution system for fire protection, inadequate storage capacity, failing storage tankage, need redundant distribution pumps and problems w/ dead leg in system	Replace failing tankage w/larger storage tanks, install second distribution pump + associated piping, install new distribution piping + fire hydrant, eliminate dead leg. Other - Study/Design/Construction	1998	$90,000
0	C	60	4	MORAGA HEIGHTS MUTUAL WATER	0707585	001	Aging and deterioating mains, inadequate capacity.	Replace system, expand filtration and develop further resources.	1998	$75,000
0	C	60	13	Aspendell Mutual Water Company	1400066	001	Aspendell is a mountain community at 8,500 foot elevation surrounded by National Forest which is considered a high threat area for wildfires. the project is a water line on White Pine Street which is a one inch line serving three customers. the water pr	The project is our number one priority. It will involve trenching to at least four feet in depth due to sub-zero temperatures for a distance of 600 feet, then laying four inch PVC pipe from an existing valve to the end of the line and the new fire hydran	2008	$16,700
0	C	69	5	GARLEN COURT WS	2700686	003	Existing water mains are very old and need to be replaced.	Replace existing distribution lines.	1999	$50,000
0	C	69	5	GARLEN COURT WS	2700686	001	Roof of water tank does not provide adequate protection from elements and debris.	Design and construct a new roof and make other necessary repairs to the tank.	1998	$15,000
0	C	70	20	TWIN PINES BOYS RANCH	3301690	001	The concrete storage tank is over 30 years old and leaking. Some steel pipe are beyond repair. One new well for back-up supply. (Existing: one 200' deep well with 30,000 gallon concrete storage tank system serves 60 residents with 30 daily staff)	Install a above ground tank and new service lines. Install back-up well.	2002	$90,000
0	C	73	5	COUNTRYSIDE ESTATES MWC	2702374	001	System needs water meters and protection from vandalism and trespassing.	Install water meters. Build fence around storage tanks.	1998	$4,500
0	C	75	12	YOKOHL MUTUAL WATER CO	5400647	001	Our water system was established in 1972 which provides service for 32 connections. The water main line consists of 4 tranzite pipe in a loop system. This tranzite pipe has an asbestos lining and has been linked to different cancer causes. Over t	Replace approximately 3000 feet (+/-) of 4 main water line by utilizing the new trenchless method using polyethylene pipe. This method uses the path of the existing water line and would only utilize trenching at the service connections.Currently, the	2008	$200,000
0	C	75	16	WILSONA GARDENS MUTUAL	1900155	004	EXISTING, 1950'S DISTRIBUTION SYSTEM REQUIRES REHABILITATION. OCCASIONAL POSITIVE COLIFORM RESULTS. REQUIRES CHLORINATION.	DESIGN AND CONSTRUCT A NEW DISTRIBUTION SYSTEM COVERING APPROXIMATELY 163 ACRES.	1999	$50,000
0	C	75	16	WILSONA GARDENS MUTUAL	1900155	002	OLD 20,000 GAL. STORAGE TANK IS IN POOR CONDITION, WITH LEAKS AND RUST VISIBLE ON THE EXTERIOR.	SITE PREPARATION, PURCHASE, AND INSTALLATION OF A NEW 20,000 GAL. OR TWO 10,000 GAL. STORAGE TANKS.	1998	$16,000
0	C	75	16	WILSONA GARDENS MUTUAL	1900155	001	WELL CASING HAS COLLAPSED AND NOT ABLE TO PERFORM MAINTENANCE WORK WHEN NEEDED.	DRILL A NEW WELL	1998	$39,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	75	16	WILSONA GARDENS MUTUAL	1900155	003	PRESSURE TANK HAS SETTLED WHICH IS PUTTING STRESS ON THE CONNECTING PIPE AND APPEARS TO HAVE A SEVERE INTERNAL CORROSION PROBLEM. TWO HOUSEHOLDS SUFFER INSUFFICIENT PRESSURE DUE TO SIZE AND CONDITION OF THIS TANK.	UPGRADE TO A NEW 5,000 + GAL. TANK AND UPGRADE BOOSTER PUMP.	1998	$13,000
0	C	75	19	PINON HILL WATER COMPANY	1500540	002	Need backup source and storage, upgrade distribution pipe to 4"	Drill new well, add storage and replace undersized pipe with 4" diameter mains.	2000	$220,000
0	C	75	21	SIERRA RANCH LTD WATER SYSTEM	2900548	001	Needs second well for reliability.	Install new well and install float-pressure switch for tank.	1998	$4,000
0	C	75	17	REDWOOD TERRACE MUTUAL	4100510	001	Distribution piping and storage are aged and unreliable.	Replace and upgrade piping, filtration pump capacity and dig another well.	1998	$120,000
0	C	75	5	HIDDEN VIEWS MHP WS	2700606	001	Well #2 tested arsonic levels in June of 2006. The MCL is 10. One test came back 31. In September of 2006 another lab tested .015.Well has been shut down from system since and we rely on Well #1 for the system leaving us without a backup. A new well	project may include drilling new well, and or new distribution system or treatment facility.	2008	$250,000
0	C	75	2	WILLO GLEN MUTUAL WATER COMPANY	3100573	001	Well is low capacity. Needs additional source capacity.	Hook up to available PCWA with main meter. Install individual water meters at each existing connection.	1998	$40,000
0	C	78	18	Austin Acres Mutual Water Company	4900620	001	well motor electrical relay is in disrepair		2003	$5,000
0	C	80	16	SPV WATER CO INC	1907028	001	The system has one groundwater well. The well is near exceeding the Nitrate MCL with a January 2007 indication of 43.5. It also had Total coliform exceedance in August 2004. The system does not have disinfection. Their only other backup well is not curre	Addition of Nitrate treatment and/or drill another well to blend water with. Possible addition of a backup well.Add disinfection equipment to the existing well. Clean the storage tank.	2007	$450,000
0	C	80	20	Elms Mobile Park	3301247	001	We recently had a proficiency test: result was running at only 25%, low pressure.	Upgrade/replace well pump, build protective structure (steel building), enlarge storage tanks. (System has one well & 5,000 gal corrugated storage tank serving 50 connections. City of Indio has water main in adjacent street for emergency connection if nee	2001	$40,000
0	C	85	3	Meadow Estates Mutual	2300506	001	Insufficient Storage, failing storage tank, failing distribution system, insufficient filtration capacity	Install 100,000 gallon tank, replace distribution system with approved pipe, double filtration capacity.	2006	$350,000
0	C	85	5	TULARCITOS MWC	2701800	001	Inadequate well production.	Drill second well adjacent to our #1 well. Also, put in new pump and motor.	1998	$35,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	90	3	Lake View Mutual Water Co.	2300606	003	We currently have four operating wells that produce a total of 33 gpm. One of these wells, the Lightel Well, reverts to its owner in August 2007. Currently with all four wells pumping at full capacity we can marginally keep up with peak summer demand, de	The McKee Well will undergo a major rehabilitation. This will include: 1. dismantling the current surface seal and surroundng structures 2. removal and replacement of the sanitary seal 3. scrubbing and disinfection of the casing 4. flushi	2008	$25,500
0	C	90	5	MESA DEL TORO MWC	2701503	001	Storage tank is in need of repairs or replacement. New lines should also be put in and (possibly) a new well.	Replace storage tanks and water lines. Install a chlorination system.	1998	$10,000
0	C	95	6	TICO MUTUAL WATER CO	5601122	003	Well pipeline replacement	Install a new well supply line	1998	$50,000
0	C	95	6	TICO MUTUAL WATER CO	5601122	001	System pressure does not comply with Water Works standards at times.	Add a pressurized 8,000 gallon storage facility to the system immediately downstream of the current main tank.	1999	$35,000
0	C	95	6	TICO MUTUAL WATER CO	5601122	002	Two wells, Wells 1 & 2 (backup) do not have disinfection facilities.	Provide chlorination treatment facilities for both wells.	1999	$15,000
0	C	96	10	C.C.W.D. Sheep Ranch	0510004	002	Inadequate storage and undersized distribution mains that are in poor condition.	Install two 50,000 gallon steel tanks and 10,700 feet of distribution mains.	2004	$700,000
0	C	98	10	CORRAL HOLLOW PWS	3900702	001	PRESSURE PROBLEMS IN DISTRIBUTION SYSTEM	CONSTRUCT PRESSURE TANK AND BOOSTER STATION. OTHER = DESIGN AND CONSTRUCITON	1998	$300,000
0	C	99	10	LILI VALLEY WATER CO.	0500027	001	Water line installed in 1963 needs replacing.	Replace 2000 feet of water main.	2005	$40,000
0	C	100	18	Magic Mountain Mutual Water Company	4900637	001	Aged distribution system and storage tanks	Replace mainlines and new tanks	2002	$650,000
0	C	100	17	Arrowhead Cooperative Company	4300504	001	Replace mains and consolidate.	Run new 10-inch mains from SJWC to all streets. Abandon existing system. The study and design has already been done by SJWC.	1998	$1,642,632
0	C	100	17	Arrowhead Cooperative Company	4300504	002	System is over 38 years old. Now only have 1 tank. Mains are fragile. Need to replace and give system to San Jose Water Company.	Install new (distribution system) mains from San Jose Water Company and abandon current system.	2002	$1,200,000
0	C	100	16	OASIS PARK MOBILE HOME PARK	1900677	001	OLD PIPES	REPLACE OLD GALVANIZED PIPES WITH PLASTIC PIPES	1998	$60,000
0	C	100	14	OAKVALE PARK	3700962	002	Distribution system has no isolation valves, making it difficult for management and inconvinient for residents when repairs are needed.	Installing islation valves in distribution system.	1998	$7,000
0	C	100	14	OAKVALE PARK	3700962	003	Old steel water line serving 7 houses on Oakvale Rd. is of too small diameter and is in Jeopardy of leaking that will damage county rd.	Installing larger water line of approved material to better serve residents and avoid damage to paved county rd.	1998	$20,000
0	C	100	14	WILLOWSIDE TERRACE WATER ASSOCIATION	3701995	001	low water pressure from 2-inch lines	install 4 to 6 inch lines and new pump	2006	$250,000
0	C	100	14	OAKVALE PARK	3700962	001	20,000 gal. Concrete storage tank has several small leaks due to root entrusion. SD County Health Dept. has ordered us to repair.	Installing a drinking water approved vinyl liner in tank.	1998	$5,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	100	8	Harding Water Users	3000515	001	Poor reliability of existing reservoir and piping, rusted.	REPLACE TANK AND PIPES . TANK IS LEAKING.	1998	$15,032
0	C	100	17	MARTINS BEACH WATER SYSTEM	4100515	001	Need to upgrade	Modernize the existing purification system.	2001	$50,000
0	C	100	10	FARMINGTON WATER COMPANY	3900505	002	The Farmington Water Company was formed and installed its system 43 years ago. With the exception of an upgrade to one pumpling plant and the addition of one line the system remains as it was installed. It suffers both from physical deteriourat	The proposed upgrades would include two new well sites and pumping plants, approximately 6,000 of main lines primarily 8, 1,000 feet of lateral lines, water storage for a 24 hour supply at peak use (this could be one large tank or two smaller tank	2008	$1,500,000
0	C	100	14	GUATAY MUTUAL BENEFIT CORPORATION	3700897	001	poor water quality from dead end lines	loop water system to eliminate deadend lines	2004	$173,000
0	C	103	3	Elk County Water District	2300514	001	Undersized steel water main in poor physical condition.	Replace distribution system with new mains.	2002	$650,000
0	C	104	17	Mecchi Water Company	4300912	001	System is served with a 2" water main that is inadequate.	Replace 2" main to 4" main. Install meters to all users.	1998	$80,000
0	C	106	3	Irish Beach Water District	2310012	001	Storage tanks in poor physical condition; distribution system mains in poor physical condition.	Repair, patch, and repaint water storage tanks. Professional inspection of water system facilities to produce a water system master plan.	2002	$150,000
0	C	108	17	LOMA MAR MUTUAL	4100512	004	Inadequate storage not in compliance with WW Standards.	Enlarge system storage and reserve.	1998	$100,000
0	C	108	17	LOMA MAR MUTUAL	4100512	005	Mains inadequate not in compliance with WW Standards.	Install and construct new system piping	1998	$400,000
0	C	120	12	SIERRA KING HOMEOWNERS ASSN	5400940	001	Inadequate storage resulting in shortages requiring temporary reduction in water usage. Also have documented coliform contamination of the well requiring continuous disinfection treatment (which has been installed)	Provide additional storage and a backup well. Additional storage needed to ensure adequate contact time during high water demand periods.	2004	$70,000
0	C	120	19	AERIAL ACRES WATER SYSTEM	1500405	002	Current transite lines running from Ave. A to Ave. B and along the length of Ave. B need to be replaced due to leaky seals caused by age and root penetration and overall depreciation of system lines, replace old valves and lateral lines to fire hydrants	Install from Ave. A to Ave. B (~675 ft.) & along length of Ave. B (~2625 ft.) of 6-inch, class 150, C-900 pipe with tracer wire to replace existing transite lines (~3,300 ft. total), installation of 6-inch & 4-inch gate valves along Ave. B, 4-inch pipe	2003	$50,000
0	C	120	2	AUBURN VALLEY COMMUNITY SERVICE DIS	3100011	003	The gravity feed lines and control valves were installed in the mid 1970s. In 2004 when resolving water impurity problems at Auburn Valley CSD, we were unable to shut down the system using three key valves due to their leakage which was so high tha	With regards to the valve replacements, it is critical that these valves be replaced. At this time, if there is contamination somewhere in the water system it is impossible to shut down specific areas of the subdivision and repair any problems. Ins	2008	$155,179
0	C	125	17	Lake Canyon Mutual Water Company	4300522	002	More than half the main distribution lines are aging and need to be replaced.	Replace distribution lines.	1998	$94,000
0	C	125	21	MINERAL HOMEOWNER S ASSN	5200585	001	Ancient undersized distribution system with many leaks and breaks due to age.	Replace distribution system pipes.	2000	$300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	125	14	ALPINE OAKS LLC	3701988	001	Water outages caused by insufficient source and storage.	Construct additional well and 20,000 gallon storage tank.	1998	$100,000
0	C	126	5	PRINCES CAMP RESORT WS	2701355	001	Need new pipelines, pump, and more water pressure.	Replace pipes and pump.	1998	$28,673
0	C	135	18	Kelly Mutual Water Company	4900560	001	50 year old distribution system (2.5 inch) with failing water mains.	Replace distribution mains, hydrants, pressure tanks.	1998	$200,000
0	C	144	19	SIERRA BREEZE MUTUAL WATER COMPANY	1500447	001	REPLACEMENT OF DISTRIBUTION SYSTEM	TREATMENT SYSTEM FOR NITRATES; REPLACE DISTRIBUTION LINES. OTHER - DESIGN, STUDY AND CONSTRUCTION	1998	$300,000
0	C	150	18	Austin Creek Mutual (Springhill)	4900630	001	pump motor electrical relay in disrepair		2003	$5,000
0	C	150	4	Delta Conservation Camp	4810801	001	Water storage tank.	Need new storage tank.	1999	$45,000
0	C	150	11	MD#24 TEAFORD MEADOW LAKES	2000552	002	System wells are not able to keep up with water demand. Water system is in a critical fire hazard zone. System cannot provide fire protection needs with current production, storage and distribution system. Current storage tank is to small and is beyond it	PROJECT DESCRIPTIONDrill high production well and install new tank and well controls. Replace current distribution system and storage tank.	2008	$1,000,000
0	C	150	11	MD#40 SUNSET RIDGE ESTATES	2000851	002	System wells Exceed secondary MCLs for iron at 300 ppb and Manganese at 50 ppb. Current iron level is 690 ppb and current manganese level is 160.33 ppb. The system does not have adequate production system wells are not able to keep up with water demand.	Install iron and manganese removal plant. Replace current distribution system and storage tank. Drill high production well.	2008	$1,200,000
0	C	150	10	ACAMPO WATER SYSTEM	3901303	001	WELL 1 HAS DBCP BELOW THE MCL. HOWEVER, WELL 2, THEIR STAND-BY WELL HAS DBCP GREATER THAN THE MCL.	REPLACE WELL 2 WITH NEW WELL. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
0	C	166	5	STRUVE RD WS #02	2700772	001	Insufficient water storage capacity.	Build storage tanks and take measures for well head protection. These projects would involve study, design, and construction.	1998	$50,000
0	C	168	4	ANGLERS SUBDIVISION 4	0707569	001	Inadequate mains, low pressure not in compliance with WW Standards.	Install 3" - 4" lines throughout entire system. To each lot/hook-up.	1998	$560,000
0	C	170	3	Harbin Hot Springs	1700511	001	Old pipes in poor condition and inadequate storage	Replace old galvanized pipe and install new 100,000 gallon storage tank.	2003	$300,000
0	C	186	17	COUNTY SERVICE AREA 7	4100509	003	Replace deteriorated piping	Lay new piping (3") along Pescadero Creek Road to Alpine Creek Bridge.	2003	$100,000
0	C	190	17	Green Mountain Water Company	4300560	005	repair or replace piping in distribution system	repair or replace piping in distribution system	2005	$800,000
0	C	190	17	Green Mountain Water Company	4300560	001	Develop new well.	Drill a second well.	1998	$19,000
0	C	190	13	Paradise Mobile Estates	3600399	001	The well shut off twice a day (reason?). They concerned about water quality (gross alpha : 8.2 + 2.9, but not known uranium Ra 226, Ra 228 levels)	Possibly new well & pump & filtration system	2005	$300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	195	17	WOODSIDE MUTUAL	4100546	001	Distribution piping and storage are aged and unreliable.	Replace existing pipes and provide more storage for fire protection	2004	$3,000,000
0	C	200	18	Yulupa Mutual Water Company	4900660	001	Insufficient storage	Construct two tanks: 96,000 and 65,000-gallon tanks.	2004	$400,000
0	C	200	11	LEISURE PINES MUTUAL WATER CO	5500053	002	Need additional storage capacity.	Install a new storage tank and pump station.	2003	$50,000
0	C	200	11	LEISURE PINES MUTUAL WATER CO	5500053	003	Need more storage capacity, especially for fire protection.	Install additional storage and pumping facilities.	2005	$87,000
0	C	200	13	Sierra Grande Estates Mutual Water Co.	1400070	004	Insufficient storage capacity due to deteriorated storage tanks	Replacement of 4 of 15,000-gal tanks with 1 of 100,000-gal tank	2005	$125,000
0	C	200	19	ALLEN ROAD MUTUAL WATER SYSTEM	1500483	001	LOW LEVEL OF WATER. NEED ADDITIONAL SOURCE CAPACITY FOR RELIABLITY	DRILL NEW WELL. OTHER - STUDY, DESIGN, CONSTRUCTION AND OTHER	2002	$100,000
0	C	200	20	CROWN RANCH PUMPING COMPANY	3301878	001	We have one old water storage tank and no way to shut down system to clean it. Also, storage capacity is not adequate.	Install a new tank.	1998	$40,000
0	C	202	15	PARADISE RANCH MHP c/o SANTIAGO ASSOC.	1910099	004	RESERVOIR TANK (STORAGE FOR WELL SOURCES) IS DETERIORATING.	REPLACE 107,000 GAL. TANK.	1998	$35,000
0	C	211	5	FERN GROVE WATER CLUB	4400572	001	(1) Two-inch main line is aging and needs to be replaced. (2) Need a second source of water (a well).	(1) Replace one and a half miles of main line. (2) Drill a second well.	1999	$500,000
0	C	220	18	Sonoma County CSA 41-Salmon Creek	4900543	002	Marginal quantity of water supply.	Improvements of the subsurface diversion.	1998	$10,000
0	C	220	12	MUSICK MEADOWS #2	1000061	001	INADEQUATE SOURCE AND STORAGE RELIABILITY.	CONSTRUCT ANOTHER STORAGE TANK AND IMPROVE OLD PIPELINES.	1999	$275,000
0	C	225	13	MOUNTAIN MEADOWS MWC	2600620	001	Inadequate storage to ensure continuous pressure during emergencies and/or maintenance	Construct second storage tank	1998	$250,000
0	C	243	6	PAINTED CAVE MUTUAL WATER	4200578	001	The current water distribution system has suffered from several bacterial outbreacks over the past decade. The two 40 year tanks are suspected. Don't have necessary storage capacity per population.	Build a 150,000 gallon tank	2003	$130,000
0	C	250	17	Twin Valley, Inc.	4300575	002	Recurring TCR MCL violations. Rerank to M from F (9/17/01)	Install new tank & piping.	1998	$150,000
0	C	250	19	ENOS LANE PUBLIC UTILITY DISTRICT	1500544	002	Dead end water lines	Loop system	2003	$300,000
0	C	252	5	CSA No. 31 Stonegate WS	3500006	001	Interior coatings on the system's two storage tanks are failing and need to be restored.	Re-coat tanks.	1998	$100,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	268	5	Tres Pinos CWD	3500509	002	The waterworks improvement project will supply fire flow to a community that currently does not have adequate fire flow; it will lift the moratorium on new connections which has been in effect for over 10 years. It also includes pipeline improvements whi	The waterworks improvement project includes two new 250,000 gallon water tanks, land purchase for tank site, new 800 gpm well, 12 pipelines: (Southside to Quien Sabe along Bolado; Third St., F to Airline; First St., F to Airline; Airline to Fifth St, dow	2007	$1,666,350
0	C	273	5	PEDRAZZI MWC	2701364	001	Water system needs to add a new well to improve supply reliability.	Drill a new well and tie it into the existing system.	1998	$561,050
0	C	276	17	BUTANO CANYON MUTUAL	4100503	003	After completeing a tank inspection and cleaning, it has been determined that our two (2ea) sixty thousand (60,000) gallon bolt-up drinking water storage tanks are in need of replacement due to old age, deterioration and interior rust.Tanks are located i	Project involves the purchase and delivery of two (2) new glass-fused-to-steel 60,000 gallon replacement tanks which will have to be down loaded from a 40ft flatbed to a smaller truck for delivery over 3 miles of a very narrow, winding road through a redw	2008	$200,000
0	C	276	17	BUTANO CANYON MUTUAL	4100503	001	Antiquated distribution system consisting of undersized, corroded galvanized iron pipes. Problems include excessive headloss, leakage,	Intallation of distribution systtem consisting of HDPE pipes	1997	$450,000
0	C	300	16	SHADOW ACRES MUTUAL WATER CO	1900301	002	WATER PRESSURE FLUCTUATES EXCESSIVELY (UP TO 0.5 NOMINAL) IN THE SUMMER DUE TO DEMANDS ON BOTH THE WATER WHOLSALER'S SYSTEM AND OUR USER DEMANDS.	INSTALL A BOOSTER SYSTEM NEAR THE WHOLESALER'S WATER TURNOUT.	2000	$130,000
0	C	300	10	HOPE FOUNDATION/MORIAH HEIGHTS	0300062	001	NEED AUTOMATIC SHUT-OFF ON LINE THAT FILLS TANK. NEED FE & MN REMOVAL. NEED BACK-UP WELL.	INSTALL AUTOMATIC SHUT-OFF ON TANK FILL LINE. INSTALL FE & MN REMOVAL SYSTEM. DRILL BACK-UP WELL.	1998	$80,000
0	C	300	12	MEADOW LAKES CLUB	1000056	001	Water system currently has only 1 operating well for 132 connections. Distribution system is old.	Additional source and upgrade distribution system.	2005	$2,500,000
0	C	300	16	SHADOW ACRES MUTUAL WATER CO	1900301	001	9 DEAD-ENDS RESULTING IN LOW PRESSURES AT THE HIGHER ELEVATION AREA	TIE THE DEAD-ENDS TOGETHER AND LOOP OUR ENTIRE DISTRIBUTION SYSTEM	1998	$280,000
0	C	300	10	MOREHEAD PARK	3900805	001	Old system with leaking distribution, well at end of useful life.	Replace distribution system, drill new well, and add storage tank.	2007	$1,500,000
0	C	300	2	Talmont Resort Improvement District	3110047	001	Old, single source well - diminshing GPM. Upper pressure system in deteriorating.	Need new well. Install pressure tank and pressure pumps.	1998	$150,000
0	C	325	13	Desert Springs MWC	3600089	004	Pipes laid 55 yrs ago. They are sending every cent they get to keep pipeline up	Replace with C-900 Class 200	2005	$450,000
0	C	350	5	MANANA WOODS MUTUAL WATER CO	4400539	001	Pipes are aging and decaying.	Replace lines, and install shut-off valves, meters, and purification filters.	1998	$50,000
0	C	350	5	VILLA DEL MONTE MWC	4400595	001	Distribution lines need to be replaced - interruptions in service are increasing.	Replace distribution system.	1999	$490,256

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	355	6	FILLMORE IRRIGATION CO	5601105	001	Water storage capacity (125,000 gallons) does not meet title 22, water works standards requirements or the system size (150 service connections)	Construct a new tank (125,000 gallons) at site that includes soil compaction, pad, erect new tank with earthquake anchors and signal devices for well pump.	2002	$90,000
0	C	355	6	FILLMORE IRRIGATION CO	5601105	002	Slab around Well No. 2 drilled in 1946 is carcked and area at well head is lower than surrounding area (citrus orchard)	Elevate casing head, pour new slab-realign discharge pipe-eliniate possibility of surface contamination	2003	$25,000
0	C	360	11	MI-WUK HEIGHTS MWC	5500060	001	Need more water storage for system demand and fire flow.	Construct a new 200,000 gallon storage tank.	2006	$200,000
0	C	375	11	MD#73 QUARTZ MOUNTAIN	2000690	001	System wells are high in iron the secondary MCL is 300 ppb system is currently at 2790 ppb. System is also exceeding secondary MCL for manganese MCL is 50 ppb and system is currently at 225 ppb. System is also exceeding secondary MCLs for color and turbi	Install iron and manganese removal plant. Drill new high production well.	2008	$1,500,000
0	C	380	4	PLEASANTIMES MUTUAL WATER CO	0707576	001	Replace existing small size water main pipe that causes low pressure with a lager size one.	Install 4" minimum lines to replace 2" low pressure lines, 10,000 L.F.	1998	$550,000
0	C	400	14	PALO VERDE COUNTY WATER DIST.	1300616	002	four dead-end transmission lines	connect the dead-end lines	2006	$1,000,000
0	C	405	16	SUNNYSIDE FARMS MUTUAL	1900146	001	SYSTEM HAS A 500,000 GALLON WATER TANK THAT THE BOTTOM RUSTED THROUGH AND DOES NOT HOLD WATER.	REPLACE TANK BOTTOM.	1998	$30,000
0	C	405	16	SUNNYSIDE FARMS MUTUAL	1900146	002	WELL IS CURRENTLY UNDERPRODUCING.	DRILL NEW WELL.	1998	$15,000
0	C	430	1	Orleans C.S.D.	1200729	001	Peak demand exceeds capacity of gravity sand filters. Existing tank is leaking excessively	Construct a 100,000 gallon storage tank and place a liner in an existing redwood tank	2001	$90,000
0	C	443	19	KRISTA MUTUAL WATER COMPANY	1500475	001	Remove and replace pump and pump house. Install additional storage tank, replace 5000' of 8" trans. Pipeline, property and ROW for tank with piping. EXCEEDS FLUORIDE MCL.	Remove and replace pump and pump house. Install additional storage tank, replace 5000' of 8" trans. Pipeline, property and ROW for tank with piping. OTHER - Design and Construction	1998	$300,000
0	C	450	5	PURESOURCE WATER, INC	4400598	003	Failing 60,000-gallon water tank resulting in inadequate storage. Tank is beyond repair.	Replace tank with new 60,000-gallon steel tank.	2000	$32,000
0	C	465	3	Point Arena Water Works	2310013	004	Install new staves in the two 125,000-gallon storage tanks to stop the loss of water.	Install new staves in the two 125,000-gallon storage tanks to stop the loss of water from the tanks due to the condition of the old staves.	2008	$40,000
0	C	500	10	PINEWOOD MEADOWS MHP	5000090	001	SYSTEM OF SMALL PIPELINES RESULTS IN LOW PRESSURES.	UPGRADE DISTRIBUTION PIPING. OTHER = DESIGN AND CONSTRUCTION	1998	$40,000
0	C	500	12	TRACT 92 C S D	5400903	003	Safe Drinking Water ProjectProblem Description:Tract 92 Community Service District provides water to the unincorporated area known as Union Addition. This unincorporated community consists of approximately 135 households and one church and is located	Safe Drinking Water ProjectProject Description:The proposed project would include the drilling of a water test well at a new site in the community. The results of the test well will be utilized to design and construct a new water production well. Th	2008	$1,000,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	500	12	TRACT 92 C S D	5400903	005	Water Distribution Replacement ProjectProblem Description:Tract 92 Community Service District provides water to the unincorporated area known as Union Addition. This unincorporated community consists of approximately 135 households and one church and	Water Distribution Replacement ProjectProject Description:The proposed project will include the replacement of the existing water distribution system including water mains and service connections. It is estimated that approximately 15,000 linear feet	2008	$1,000,000
0	C	500	6	CLOVERDALE MUTUAL WATER Co.	5610068	002	20,000 gallon storage tank is in eminent danger of complete failure.	Upgrade or replace tank, upgrade well pump.Install control systems.Design, specify & construct so wells can pump directly to the pressurized tank	2003	$267,000
0	C	500	6	CLOVERDALE MUTUAL WATER Co.	5610068	003	20,000 gallon tank is in emminent danger of complete failure. Doesn't meet county fire requirements for protection or DHS Water Works Standards.	Replace tank with 100,000 gallon tank.	2003	$110,000
0	C	500	11	Broadview Terrace Mutual Water Company	2000521	004	We have small (1 1/2 and 2) galvanized mains that are so corroded that water pressure drops to near zero in sections when several users are drawing water at the same time. Pressure less than 20 psi occurs frequently. These are mostly single family	Approx 10,000 of 2 galvanized main will be abandoned and the same length 6 c-900 will be laid in the same easement or road right-of-way. Trenching will be labor intensive due to many granite outcropings and the roots of huge trees near but outside th	2008	$500,000
0	C	500	19	LAKE ISABELLA COMMUNITY SERVICES DIST	1503270	002	Inadequate valving, pressure inadequate, system failing.	Replace failing water mains, install shutoff valves, replace booster pump.	2007	$100,000
0	C	500	13	Deer Park Nudist Resort/Buff Creek	3600308	001	Bacteriological problems with source	Construct new well and tank	1998	$50,000
0	C	500	3	CIRCLE WATER DISTRICT	2800521	003	Inadequater source to meet MDD. Storage tanks in poor condition. More storage needed	Install 100 gpm package plant. Replace two tanks, construct one new tank. Construct new well source.	2006	
0	C	500	3	CIRCLE WATER DISTRICT	2800521	001	50,000 gal storage tank is leaking badly and is located on fill material in landslide prone area.	Cut into bedrock material and replace tank with 70,000 to 100,000 gal tank.	1998	$300,000
0	C	500	17	LOG CABIN RANCH	4100531	001	Need emergency power capabilities.	Installation of emergency generator, valves, piping, watert storage tanks and cleaning of emergency water source.	1998	$500,000
0	C	500	3	Napa County Public Works-NBRID	2810013	002	Aged transmission main needs to be replacement. Inadequate Storage	Replace transmission line, install new storage tank	2006	$291,000
0	C	515	2	Sierra Brooks PSD	4600009	001	Water storage and pressure stabilization problems.	Construct new storage tank, refurbish existing tank and thus correct pressure problems.	1998	$450,000
0	C	530	13	Smiley Park Country Club	3600260	001	Smiley Park Country Club is a private community in the San Bernardino mountains near Running Springs. This is a community of 165 building sites (125 currently have water connections) in an area of 265 acres. Smiley Park maintains a private water system	In order to properly plan for additional wells to meet both our current and future needs, we first need to conduct a Hydrology Study by a qualified engineer/geologist. This study will investigate potential groundwater sources and recommend the optimal lo	2008	$35,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	530	13	Smiley Park Country Club	3600260	002	Smiley Park Country Club is a private community in the San Bernardino Mountains near Running Springs. This is a community of 165 building sites (125 currently have water connections) in an area of 265 acres. Smiley Park maintains a private water system	We have proposed in a separate application to conduct a Hydrology Study to identify appropriate sites of groundwater in which to drill a new vertical well. This proposal is a request to drill one vertical well. We expect a qualified drilling contractor	2008	$35,000
0	C	550	16	WEST SIDE PARK MUTUAL	1900102	001	LOW PRESSURE IN SYSTEM AND INADEQUATE STORAGE CAPACITY	CONSTRUCTION OF A NEW 500,000 GALLON TANK TO INCREASE STORAGE AND AN ENLARGED PUMPING STATION.	1998	$250,000
0	C	550	16	WEST SIDE PARK MUTUAL	1900102	002	Need backup power to assure fire flow during blackouts.	Purchase 300 KW Diesel standby generator.	2002	$85,000
0	C	550	5	BUENA VISTA WC	2701870	001	System needs more water storage and standby generators.	Install six 50,000 gallon tanks, pumps, six standby generators, and pumphouses for three separate storage & booster facilities.	1998	$525,000
0	C	555	5	CARMEL RIVIERA MWC	2701254	001	Additional well is needed for system reliability.	Drill one or two new wells with the assistance of a Groundwater Geologist to obtain at least 50 gpm of sustainable yield of good quality ground water.	1998	$250,000
0	C	600	4	San Francisco Regional Water System	3810001	062	Plant needs expansion for reliability and redundancy.	Design and construct expansion of SVWTP to 240 mgd treated water reservoir solids handling facilities and pipelines and pump station expansion.	1998	$14,670,000
0	C	600	4	San Francisco Regional Water System	3810001	014	Crystal Springs pipeline deteriorated beyond repair.	Replace three sections of pipeline.	1998	$12,600,000
0	C	600	4	San Francisco Regional Water System	3810001	019	Need second Irvington tunnel for reliability.	PROVIDE PARALLEL TUNNEL THAT WILL UPGRADE SYSTEM TO RELIABILITY TO AN ACCEPTABLE LEVEL. PROVIDE AN ALTERNATIVE FACILITY TO MEET THE SAME.	1998	$152,000,000
0	C	600	4	San Francisco Regional Water System	3810001	040	Reservoir roofs need seismic upgrades.	Investigate areas where flexible connection should be made piping in reservoirs; replace the seals in reservoir roofs where it has been determined to deter contamination of these treated water reservoirs,	1998	$70,400,000
0	C	600	4	San Francisco Regional Water System	3810001	017	Equipment at stations subject to seismic damage.	SEISMICALLY ANCHOR TANKS, PUMPS, AND PIPING. PROVIDE AUTOMATIC SHUT-OFF VALVES ON CHEMICAL FEED LINES AND OTHER ITEMS.	1998	$3,925,000
0	C	600	4	San Francisco Regional Water System	3810001	041	Need emergency connections to Santa Clara Valley Water District.	Build a pump station to pump water either from or to SCVWD.	1998	$7,900,000
0	C	600	4	San Francisco Regional Water System	3810001	042	Need diesel generators at pump stations.	Plan, design. And install diesel generators and buildings at critical water pumping stations.	1998	$9,040,000
0	C	600	4	San Francisco Regional Water System	3810001	024	Valves are old and deteriorated at critical locations.	REPAIR AND REPLACE THE DETERIORATED VALVES IN ORDER OF CRITICALITY. ADD NEW VALVES FOR FLEXIBILITY ABD RELIABILITY WHERE DETERMINED.	1998	$470,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	056	Priest Reservoir Bypass; Local storm runoff elevates turbidity above acceptable levels for SFPUC's filtration avoidance status.	Design a bypass tunnel, so Hetch Hetchy water does not receive local runoff during storm events.	1998	$14,548,000
0	C	600	4	San Francisco Regional Water System	3810001	038	Need fourth SJ pipeline for emergencies.	Add a fourth pipeline to the San Joaquin system.	1998	$250,000
0	C	600	4	San Francisco Regional Water System	3810001	006	BD pipeline timber trestles need seismic upgrade.	Perform study and analysis of existing timer trestles to determine their ability to withstand future earthquakes. Develop alternatives to achieve this goal followed by design and construction of necessary work.	1998	$24,610,000
0	C	600	13	Snowcrest Hts. Imp. Assoc	3600262	001	Inadequate storage, undersized mainline, insufficient source capacity	Construct source, storage, and distribution facilities	1998	$500,000
0	C	600	4	San Francisco Regional Water System	3810001	003	BD pipeline trestle deteriorated from weather.	Replace trestles above low water where required. Replace walkways and guardrails where required. Raise elevation of support where required.	1998	$6,650,000
0	C	600	4	San Francisco Regional Water System	3810001	036	Prestressed concrete pipe has had major failures.	Slip-line existing pipelines (put a pipe side), where possible, and to replace it where this is not feasible.	1998	$90,200,000
0	C	600	4	San Francisco Regional Water System	3810001	010	Alameda siphans cross Calaveras fault.	Review the existing piping design for effectiveness and appropriateness. Produce the plans and specifications including rearranging the connection for SVWTP.	1998	$33,000,000
0	C	600	4	San Francisco Regional Water System	3810001	063	Plant needs expansion for reliability and redundancy.	Design and construct expansion of SVWTP to 240 mgd; treated water reservoir; solids handling facilites; and pipelines and pump station expansion.	1999	$265,100,000
0	C	600	4	San Francisco Regional Water System	3810001	031	Pump stations unreliable due to old equipment.	UPGRADE SWITCH GEAR, ELECTRICAL SYSTEMS, PUMPS AND OTHER ITEMS. ADD NECESSARY AUTOMATION IN FACILITIES TO SUPPORT SCADA.	1998	$4,100,000
0	C	600	4	San Francisco Regional Water System	3810001	011	Calaveras pipeline subject to creek fluids/bank failure.	Reverse shift in channel by relocation of side cast quarry rock from one side to another, replace natural impedimants to creek flows.	1998	$4,000,000
0	C	600	4	San Francisco Regional Water System	3810001	028	Critical valves cannot be accessed in an emergency.	relocate and upgrade the PRVs and other critical valves.	1998	$2,620,000
0	C	600	4	San Francisco Regional Water System	3810001	037	San Joaquin pipelines lining failing.	Repair and re-line the portion of San Joaquin pipeline between San Joaquin river and Tesla Portal.	1998	$3,000,000
0	C	600	4	San Francisco Regional Water System	3810001	012	Calaveras pipeline subject to slope failures.	MAKE PREPARATION OF PLANS AND SPECIFICATIONS FOLLOWED BY CONSTRUCTION WORK.	1998	$439,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	048	Storage tanks need seismic rehabilitation.	Provide seismic anchorage for these water tanks. Provide flexible connections between the tanks, the inlet and outlet piping.	1998	$3,200,000
0	C	600	4	San Francisco Regional Water System	3810001	046	Need valves to isolate UM system in an earthquake.	Determine appropriate locations needing pressure reducing values between the northerly portion of the University Mound distribution system and adjacent higher pressure water supply system.,	1998	$370,000
0	C	600	4	San Francisco Regional Water System	3810001	043	Need standby power at several facilities.	Evaluate the need and the type of standby power needed at the various facilities.	1998	$2,100,000
0	C	600	4	San Francisco Regional Water System	3810001	025	Downtown vulnerable to loss at UM system.	PROVIDE A NEW SUNSET FEEDER MAIN. BUILD PRESSURE REDUCING STATION AND MAKE CONNECTIONS TO THE UM SYSTEM MAINS.	1998	$26,000,000
0	C	620	11	FRESNO CO WATER WORKS DIST 18	1010051	001	Lack adequate treatment and storage capcity.	Install new filter, modify clearwell, and add new storage tank.	2000	$461,870
0	C	648	15	El Dorado Mutual Water Co.	1900803	001	50 YEAR OLD WATER STORAGE TANK AND 50 YEAR OLD PRESSURE TANK NEED TO BE REPLACED.	REPLACE BOTH TANKS.	1998	$125,000
0	C	690	6	YERBA BUENA WATER COMPANY	5610006	003	Need additional fire protection water and 3 days of daily consumption water	Purchase a storage tank site and construct a 250,000 to 300,000 gallon tank.	2003	$650,000
0	C	720	13	THUNDERBIRD CWD	3600306	003	No disinfection facilities	Construct disinfection facilities	2000	$50,000
0	C	720	13	THUNDERBIRD CWD	3600306	002	Undersized transmission line resulting in excessive headloss	Construct new line	2001	$90,000
0	C	720	13	THUNDERBIRD CWD	3600306	001	Inadequate storage capacity	Construct new 200,000 gallon reservoir	2000	$160,000
0	C	750	2	Tahoe Park Water Company	3110018	002	Inadequate storage for proper operation of distribution system.	Install a storage tank and pipeline. Involves design and construction.	2000	$200,000
0	C	760	2	Del Oro Water Co.-Johnson Park	4510015	001	System does not meet CA Waterworks Standards for water pressure, line size, and line looping	New 12" and replace 6" & 8" water mains, new 50 MG tank, new 10 HP booster facility, replace well pumps, emergency generator	2004	$3,900,000
0	C	793	13	GLEN MARTIN MWC	3610016	001	Old storage, distribution system and well	Construct new reservoir, replace mainline, drill new well	1999	$1,000,000
0	C	840	10	Hillsview Homes	5010007	004	System lacks emergency power for its 2 wells and has no storage for water during power outage.	Purchase and install one 150 KW diesel generator to provide emergency power for wells.	2003	$60,000
0	C	875	11	Sierra Cedars CSD	1010052	001	LACK OF SUFFICIENT WATER SOURCE CAPACITY AND AN INADEQUATE DISTRIBUTION SYSTEM.	CONSTRUCT A NEW WELL AND UPGRADE THE DISTRIBUTION SYSTEM.	1998	$250,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	887	1	City of Dorris	4710001	003	The City has only one water tank, which at a capacity of 750,000 gallons is less than ½ of the peak day demands. Without a second storage tank available, the tank cannot be taken out of service for coating or other repairs, and it is now 26 years old, wi	Construction of 750,000 to 1,000,000 gallon tank.Construction to include all pipes, gates and valves to connect to the existing system.	2009	$950,000
0	C	909	16	LOS ANGELES CWWD 40 Reg.39-ROCK CREEK	1910025	001	REGION 39 WELL #1 IS NOT A RELIABLE SOURCE.	CONSTRUCT A NEW 500' WELL TO REPLACE EXISTING WELL AND INSTALL 500' OF PIPELINE	2002	$450,000
0	C	926	2	Squaw Valley Public Service District	3110020	003	Inadequate capacity of water supply facilities and possible contamination.	Construct a groundwater treatment plant.	2001	$5,500,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	009	EXISTING 14" PIPELINE IS UNDERSIZED TO PROVIDE ADEQUATE WATER SUPPLY	INSTALL APPROX. 4,000' OF 24" PIPELINE AND APPURTENANCES	1998	$2,457,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	011	The existing 11/2-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 4800 linear feet of existing 11/2-inch water main with new 6-inch or 8-inch pipeline	2002	$540,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	012	The existing 11/4-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 3450 linear feet of existing 11/4-inch water main with new 6-inch or 8-inch pipeline	2002	$390,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	013	The existing 4-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 3800 linear feet of existing 4-inch water main with new 6-inch or 8-inch pipeline	2002	$430,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	014	The existing 2-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 2000 linear feet of existing 2-inch water main with new 6-inch or 8-inch pipeline	2002	$200,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	015	The existing pipeline that discharges from the District's northerly well is aged, undersized, and in need of replacement	Replace approximately 3000 linear feet of existing 4-inch discharge main	2002	$300,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	016	The existing 2-inch pipeline is aged, undersized, and cannot provide adequate flow for domestic use and fire protection	Replace approximately 3800 linear feet of existing 2-inch water main with new 6-inch or 8-inch pipeline	2002	$430,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	010	The District has three wells and one emergency interconnection with the City of Los Angeles Department of Water and Power. The existing emergency connection is undersized and in need of upgrade	Upgrade existing emergency interconnection with the City of Los Angeles and expand booster capacity	2002	$400,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	007	THE EXISTING EMERGENCY INTERCONNECTION WITH THE LADWP IS UNDERSIZED AND IN NEED OF UPGRADE. LOW PRODUCTION AND HIGH NITRATE LEVELS IN TWO OF THE WELLS COULD NECESSITATE RELIANCE ON THE LADWP CONNECTION WHICH COULD RESULT IN SEVERE OUTAGES.	UPGRADE EXISITING EMERGENCY CONNECTION WITH LADWP AND EXPAND BOOSTER CAPACITY ACCORDINGLY.	2000	$400,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	006	THE CONNECTIONS TO THESE WATER TANKS ARE VERY RIGID AND SUSCEPTABLE TO RUPTURE DURING AN EARTHQUAKE.	RETROFIT TWO TANKS WITH FLEXIBLE CONNECTIONS AND MOVE OVERFLOW DRAINS TO THE SIDE OF THE TANK FROM THE FLOOR.	2000	$112,500
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	005	THE PIPELINE THAT FEEDS WATER INTO DISTRICT 21'S WEST TANK HAS RUPTURED DUE TO A SLIDE. THIS OCURRED DURING THE 1995 STORMS. THE DISTRICT PRESENTLY DOES NOT HAVE ADEQUATE FIRE PROTECTION.	THE PROJECT CONSISTS OF INSTALLING 1400 LF OF 12-INCH PIPELINE TO THE TANK ALONG ANOTHER ALIGNMENT.	1998	$285,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	004	THE EXISTING PIPELINE IS AGED, UNDERSIZED (2"), AND DOES NOT PROVIDE ADEQUATE FLOWS FOR DOMESTIC USE AND FIRE DEMAND.	TO INSTALL 2800 +/- LF OF SIX AND EIGHT-INCH PIPELINE WITH SERVICES AND FIRE HYDRANTS	1999	$194,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	001	THE EXISTING 2" WATER MAIN CANNOT PROVIDE ADEQUATE SERVICE TO CUSTOMERS OR FIRE PROTECTION.	REPLACE 2100 FT OF UNDERSIZED 2" WATER MAIN WITH ADEQUATE 6"/8" WATER MAIN.	1998	$148,500
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	003	THE EXISTING BACKBONE PIPELINE SYSTEM THAT SERVES THE DISTRICT IS AGED AND UNDERSIZED AND DOES NOT PROVIDE ADEQUATE FLOWS FOR FIRE PROTECTION.	INSTALLATION OF PIPELINE ALONG KAGEL CANYON RD FROM EXISTING INTERCONNECTION WITH THE CITY OF LA TO PROVIDE ADEQUATE FIRE PROTECTION.	2001	$700,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	002	THE EXISTING 1-1/4" WATER MAIN CANNOT PROVIDE ADEQUATE SERVICE TO CUSTOMERS OR FIRE PROTECTION.	REPLACE 1-1/4" WATER MAIN IN WEST TRAIL WITH ADEQUATE 6"/8" PIPELINE.	2000	$45,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	017	The existing 0.15 MG and 0.30 MG water reservoirs are very old with corroded tank walls which may affect water quality and public health	Recoat interior of 0.15 MG and 0.30 MG tanks to protect water quality and public health	2002	$170,000
0	C	1000	1	Manila Community Services Dist	1210017	002	Our current capacity is 100,000 gallons, but according to Department of Health Services (DHS) last annual report by Ronnean Lund December 8th, 2005 we are well below the reccommended DHS standard water storage capacity. According to Craig Bunas of DHS o	In order to meet the state dictated compliance and prepare for expected growth of the community the district proposes to build an additional 100,000 gallon storage tank of steel construction with additional piping from the booster pump station and existi	2008	$175,000
0	C	1000	15	GREEN VALLEY CWD	1910244	001	WW standards defects. Aging distribution system creates the potential for contamination caused by leaks of breaks. Insufficient storage.	Expose, remove and replace old lines; refurbish and modify three pressure reducing valves adding pressure sustaining features and low flow bypass; install additional water storage tanks next to existing tanks …	1998	$201,250
0	C	1000	15	GREEN VALLEY CWD	1910244	004	The District has three Pressure Reducing Valves (PRVs) in the system. They are located between pressure zones and were designed to allow water to flow from a higher zone to a lower zone in case of a loss of pressure in the lower zone(s). They have been in	All three valves would be inspected by a trained technician and the pressure reducing pilot replaced and adjusted if necessary and a back pressure pilot installed and adjusted to the proper pressure.	2008	$2,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1080	2	Midway Heights C. W. D.	3110041	002	The water district has an unreliable source of raw water and insufficient storage for when the water source is interrupted. The Boardman Canal (owned and operated by Placer County Water Agency) is a +/- thirty five mile long raw water canal that supplies	Due to the unreliability of the Boardman Canal the District needs to provide as much storage for its customers as feasible. The District plans to build a 0.34 MG treated storage tank next to its existing 0.16 MG treated storage tank. Due to the topograph	2008	$450,000
0	C	1200	1	Hydesville Co. W.D.	1210019	003	The water tank is in need of seismic retrofitting, repair, and recoating. It is recommended that these repairs take place along with recoating and seismic retrofit	Retrofit tank and loop dead end mains on Guido Lane and Rohnerville Road.	2003	$650,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	012	Distribution system needs adequate maintenance and operation program to prevent Water Works standards failure.	Institute an aggressive leak detection and repair program for entire system.	1998	$10,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	005	Needs to have adequate distribution system operational facilities to comply with Water Works standards.	Construct a separate, new boost station to take advantage of higher pressure state water.	1998	$20,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	008	Distribution system needs to have a main replacement program and be in compliance with Water Works standards.	Replace existing steel water mains with PVC C-900 mains.	1999	$80,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	010	System pressure does not comply with Water Works standards in the upper reaches at times.	Install piping and backwash pump to take water from adjacent tank no. 550 rather than system	1999	$27,000
0	C	1400	9	RIO COSUMNES CORRECTIONAL CENTER	3400229	001	Single well source. Not reliable.	Construct a new 300 gpm well with a treatment plant for Iron, Arsenic and Manganese. Involves design and construction.	1998	$250,000
0	C	1400	9	RIO COSUMNES CORRECTIONAL CENTER	3400229	002		Construct a new 250,000 gallon water storage tank for fire protection and emergency water supply. Involves design and construction.	1998	$250,000
0	C	1500	16	AVERYDALE MWC	1910023	002	Aging well pumps, storage facilities and distribution system. Additional supply needed for fire protection.	Buy 1 acre of land, drill and equip a new well, and construct additional storage.	2004	$325,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	007	Undersized transmission lines (approx 3,000 - 1 1/2 - 2-inch) . Low pressure and low available capacity. Supply and pressure complaints, fire suppression, limitations, and liability concerns.	Replacement of 3,00 1f undersized transmission mains.	1998	$170,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	001	Undersized transmission main (1and 2-inch) through main business district, causing pressure, delivery and fire suppression capability liabilities.	Highway One Transmission line replacement	1998	$70,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1500	3	Howell Mountain Mutual Water Company	2810001	001	Clearwell is significantly undersized. Distr. system consists of small dia. steel lines and transite pipe in poor condition. Test data for dams on two lakes indicates that they may fail in a significant seismic event. More raw water storage is needed	Install 1MG tank at plant. Replace distr. system. Bring earthen dams up to standards. Extend the height of Lake Henne dam. Rebuild the supply piping system for the lakes to the treatment plant.	1998	$12,400,000
0	C	1500	13	DEVORE WC	3610117	004	Refinance existing loan for 1997 projects	Refinance existing loan	1998	$222,695
0	C	1500	13	DEVORE WC	3610117	003	Insufficient transmission facilities, pressure too high and too low in some areas	Construct new transmission lines from sources to storage, relocate PRVs	1998	$347,500
0	C	1500	13	DEVORE WC	3610117	001	No aux power on low zone wells, No earthquake valves on reservoirs, Insufficient mainline valves, Soft motor controller needed on Pump#3	Install diesel booster at Devore Rd PRV, Install earthquake valves on reservoirs and 215FWY bridge, add new mainline valves, install soft start on Pump 3	1999	$26,500
0	C	1500	14	Pine Valley Mutual WC	3710039	006	Low pressure in upper elevations of water distribution system.	.5 MG storage tank, pump station, an 8" diameter pipeline at higher than upper elevations.	1998	$1,000,000
0	C	1500	14	Pine Valley Mutual WC	3710039	003	Undersized and out of date water mains creating and inadequate service.	Replace with an 8" C-900 water main and services.	1998	$200,000
0	C	1500	14	Pine Valley Mutual WC	3710039	001	Substandard .4 MG water tank with continuing mainenance and up keep/ repair problems.	Replace with welded steel tank which meets current standards.	2002	$175,000
0	C	1500	17	MENLO COLLEGE	4100517	001	Water storage tank upgrade, needs to correct aging system.	Study by professional engineering firm to determine possible solutions is being conducted.	1998	$300,000
0	C	1500	17	MENLO COLLEGE	4100517	002	Mains in poor condition., inadequate not in compliance with WW Standards.	Study by professional engineering firm to determine possible solutions is being conducted.	1998	$300,000
0	C	1500	13	DEVORE WC	3610117	002	Insufficient storage in upper zone	New 125k reservoir at top of Greenwood Ave, new well	2000	$175,000
0	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	008	Back-up supply sources, High and Low-Pressure Tunnels' and Delores Tunnel's delivery pipeline were damaged by firestorm and/or rainstorms in 1993 to 1994 and 1979, respectively. In addition, a small portion of the system is below fire flow std.	Replace the pipeline for the above three tunnels and upgrade the existing distribution system.	2000	$1,204,000
0	C	1670	1	Fieldbrook Glendale C.S.D.	1210020	003	Pressures in distribution system in Glendale area below 20 psi during high demands.	Booster pump near Korblex water tank.	2005	$700,000
0	C	1760	22	WHITE FENCE FARMS MUTUAL WATER CO.	1910249	003	Reliability. Deteriorated two (2) - 10,000 gal. pressure tanks over 40 years old are in need of replacement.	Remove the existing pressure tanks and install new ones, lined with NSF approved paint. Project involves: Design to solve problem, and Construction	2000	$70,000
0	C	1760	22	WHITE FENCE FARMS MUTUAL WATER CO.	1910249	001	Loss of pumping capacity and efficiency of courtside supply well. Can no longer keep up with peak demands and requires a significant portion of 0.5 MG storage to satisfy demands which limits storage for fire flow unless outside secondary sources are	Remove the existing pump bowls and motor, clean and redevelop the well and install higher capacities pump bowls and motor depending on the wells yield. Project involves: Design to solve problem, and Construction	1998	$40,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	2025	3	Lower Lake County Water District	1710010	008	Eight miles of old, undersized pipe in poor condition.	Replace with new pipe sized to meet current system demands.	2003	$4,000,000
0	C	2151	7	LAKE ELIZABETH MUTUAL WATER CO.	1910056	001	WW standards defect. Reliability. Storage facility is needed to the North of the Fault Zone to provide water storage for customers.	Design and construct a water storage tank on the North side of Fault Zone.	1998	$500,000
0	C	2229	20	Cabazon Water District	3310047	004	The District has a total of approximately 1,050 service connections. Of these, nearly 500 are located in its lowest pressure zone (the 1713 or Southeast Pressure Zone). The Southeast Pressure Zone is one of the oldest portions of the Districts system.	In general, the project proposed is to replace all of the old, undersized pipelines that serve the existing homes within the Southeast Pressure Zone in the areas that are essentially built out. In the areas that are not built out, new developers will be	2008	$5,300,000
0	C	2229	20	Cabazon Water District	3310047	005	The District has a total of approximately 1,050 service connections. Of these, nearly all are located in the three pressure zones located below the Northwest (2156) Pressure Zone, which is the Districts highest pressure zone. However, one-half of the D	The project proposed is simply to add a parallel 16 bore and jacked waterline next to the existing 8 waterline. This will ensure that a sufficient quantity of water can be moved to and from the Northwest Pressure Zone. The total length of the bore and	2008	$907,000
0	C	2240	13	GOLDEN STATE WATER CO - APPLE VLY NORTH	3610105	002	Old, undersized mainline	Replace mainline	1998	$150,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	005	Needs additional storage capacity to meet Water Works standards.	Construct 1.0 MG reservoir and 7,200 LF of 14 inch transmission line	1999	$1,223,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	002	Distribution system needs upgrades to comply with the W.W.S.	Construct 900 LF of 8 inch water line to replace existing 2-inch line on East St.	1998	$54,000
0	C	2307	20	Elsinore WD - Country Club	3310013	001	Insufficient water supply, since the system currently has one mahor water supply well with pump, providing minimal redundancy and inadequate system reliability.	Design and construct new well with pump and appurtenances to meet the Waterwork Standards, increase system reliability and provide redundancy in source of supply.	1998	$350,000
0	C	2307	20	Elsinore WD - Country Club	3310013	003	Insufficient water storage facilities, and current inability to remove existing tanks from service for required major maintenance work.	Design and construct new steel tank to meet standards, to increase system reliability and to allow major maintenance on other tanks in the system.	1999	$375,000
0	C	2307	20	Elsinore WD - Country Club	3310013	002	The existing bare steel watermains and appurtenances are old, undersized (mainly 2"+), deteriorated and unreliable, with limited remaining life, including frequent leaks, repairs, outages, valve work, etc.	Design and construct 50,000'+ of new watermain to meet the WW standards and increase system reliability. Project can be phased by priority over 3+ years.	1999	$3,375,000
0	C	2348	19	FRAZIER PARK PUD	1510007	003	Frazier Park is rural, low-income community of about 2,834 people. A 2003 survey of he community documented a Median Household Income of $26,500 for the area. The Frazier Park Public Utility District (District) provides only water to district users. The w	If the project is funded the district will upgrade of the water system to meet Safe Drinking Water requirements. This project will build a new well to replace well #3, replace undersized and leaking waterlines with 6 and 8 inch waterlines, install hydrant	2008	$4,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	2348	19	FRAZIER PARK PUD	1510007	001	OLD WATER MAINS MADE OUT OF 10 GAUGE STEEL SOME AS SMALL AS 2"; INADEQUATE FIRE PROTECTION, WATER STORAGE TANKS DETERIORATING	REPLACE WATER MAINS WITHIN OUR DISTRICT - REPAIR/REPLACE WATER STORAGE TANKS ADD FIRE HYDRANTS. OTHER - DESIGN AND CONSTRUCTION	1999	$800,000
0	C	2500	5	Mt. Hermon Association, Inc.	4410008	004	System has 2 old bolted steel tanks (250,000 gal ea.) that are 50 years old and failing.	Replace 2 deteriorated tanks with one new 500,000 gal tank.	2006	$475,000
0	C	2500	5	Mt. Hermon Association, Inc.	4410008	003	Well needs to be recased.	Dismantle the well head, pull the pump and motor, and insert a piece of pipe in the screened interval section.	1998	$25,000
0	C	2500	8	IRWD - Santiago System	3010095	001	Reliablity of distribution system poor involving water losses and poor fire flows.		1998	$500,000
0	C	2716	13	GOLDEN STATE WATER CO - MORONGO DEL SUR	3610063	002	Old, undersized mainline	Replace mainline	1998	$570,000
0	C	2775	2	Tahoe Cedars Water Company	3110013	001	No back up source.	System needs a new well for back-up during peak demand period	2001	$190,000
0	C	2900	7	LITTLEROCK CREEK IRRIGATION DIST.	1910064	001	Wells contaminated with nitrate receive blending treatment.	Basin clean up using groundwater withdrawal and blending (see attached report) Project involves: Design, and Construction	1998	$3,900,000
0	C	2969	17	O'Connor Tract Co-Operative Water Co.	4110019	001	Deteriorating and undersized pipes.	Install 3650 feet of new pipe and reconfigure system to abandon old pipe.	1999	$500,000
0	C	3000	10	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	003		The California Aqueduct is the only source of water for the Western Hills Water District. The Department of Water Resources (DWR) shut down the pumps supplying water to the California Aqueduct on May 31, 2007 to protect the threatened Delta Smelt. Very l	2008	$12,500,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	016	No emergency power at treatment plant.	Purhcase power generator dedicated to West Marin.	1998	$35,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	015		Install connection for emergency generator to speed restoration of service.	1998	$3,600
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	012	No emergency power at plant.	Computerized controls for PRE pump stations.	1999	$10,500
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	013	Planr vulnerable to power outages.	Backup pump for PRE	1999	$60,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	023	Several areas of Pt. Reyes system have small diameter mains (2") which experience severe low pressure problems during routine flushing.	Distribution system improvements	2002	$500,000
0	C	3100	6	HERITAGE RANCH CSD	4010012	001	Nacimiento Lake allotment depleted by dwonstream rights. River drys gallery well inactive.	Construct back-up vertical well	2003	$150,000
0	C	3150	6	SLO CWD NO. 10 - CAYUCOS	4010025	003	Two, 4inch distribution lines inadequate for providing fire flows & pressure	Replace existing 4 inch lines with new pipes.	2006	$850,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	3300	20	Box Springs Mutual WC	3310004	004	The Box Springs Mutual Water Company (BSMWC) serves the severely disadvantaged community of Moreno Valley, near Riverside, California. The current service area covers 430 acres and supplies water to approximately 600 service connections. BSMWC currently	This project would fund the installation of a nitrate treatment system on well #17 to reduce the nitrate contamination level of the water prior to disinfection and distribution. This system will likely consist of a skid mounted selective contaminant well	2008	$1,960,000
0	C	3300	20	Box Springs Mutual WC	3310004	006	The Box Springs Mutual Water Company (BSMWC) serves the severely disadvantaged community of Moreno Valley, near Riverside, California. The current service area is 430 acres, with approximately 600 service connections. BSMWC has an existing well and West	This project will aid in the modernization of a deteriorating distribution system. If funded, this project would replace the current pump station with an entirely new system that meets all applicable codes and requirements of this type of installation and	2008	$2,270,000
0	C	3300	20	Box Springs Mutual WC	3310004	001	Aging infrastructure with antiquated mix pipe materials and sizes.	Replace all undersized and substandard waterlines.	1998	$1,000,000
0	C	3300	20	Box Springs Mutual WC	3310004	005	The Box Springs Mutual Water Company (BSMWC) serves the severely disadvantaged community of Moreno Valley, near Riverside California. The current service area covers 430 acres and supplies water to approximately 600 customers.The industry standard for t	This project will modernize an aging distribution system that is significantly passed its useful life by replacing a significant fraction of the corroded and deteriorated pipes that are currently in service. These infrastructure improvements will reduce w	2008	$7,350,000
0	C	3300	20	Box Springs Mutual WC	3310004	003	Aging infrastructure: Water tank constructed in 1959 in need of recoating and structural improvements.	Renovation of interior and exterior coatings and structural repairs.	1998	$130,000
0	C	3449	13	MARYGOLD MWC	3610028	002	Inadequate water storage Inadequate water supply (currently purchase water from City of Rialto)	Construct a new well (1,500 gpm), a storage (4 MG) and booster pumping station	2006	$3,500,000
0	C	3449	13	MARYGOLD MWC	3610028	001		Construct a new well (1,500 gpm), a storage (4 MG) and booster pumping station	2006	$3,500,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	005	SANTIGO RD. PIPELINE. A PROPOSED PUMP STATION AT SANTIGO RD. AND SOLEDAD CANYON RD. WILL PUMP WATER INTO THE DISTRICT'S NORTH TANK VIA AN OLD, EIGHT INCH PIPELINE WHICH IS UNDERSIZED.	CONSTRUCT 4,200 FT. + OF 12 INCH PIPELINE ON SANTIGO ROAD TO SIERRA HIGHWAY AND THE NORTH TANK.	2002	$320,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	001	CROWN VALLEY P.S. SEVERAL HOMES IN THIS AREA HAVE LOW WATER PRESSURES AS THEY ARE LOCATED WHERE TWO PRESSURE ZONES INTERCONNECT.	INSTALL A PRESSURE REDUCING VALVE STATION, CONNECT TO THE HIGH PRESSURE ZONE, AND INSTALL APPROXIMATELY 420 FT. OF EIGHT INCH PIPELINE TO ISOLATE THE NEW ZONE.	1998	$50,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	003	THE DISTRICT'S THREE WELLS PRESENTLY DISCHARGE INTO THE DISTRIBUTION SYSTEM, WHERE SAND ENTERS THE PIPELINE CAUSING OPERATIONAL AND RELIABILITY PROBLEMS.	CONSTRUCT A 500,000 GALLON WATER TANK TO PERMIT SAND TO SETTLE AND ALLOW CONTACT TIME FOR CHLORINE.	2001	$540,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	006	SANTIAGO RD. PUMP STATION. PRESENTLY, THE DISTRICT RELIES ON ONLY ONE PUMP STATION (AT CROWN VALLEY RD.) TO TAKE WELL WATER INTO THE NORTH TANK. A SECOND PUMP STATION AT ANOTHER LOCATION WILL INCREASE THE RELIABILITY OF THE SYSTEM.	CONSTRUCT ANOTHER PUMP STATION A SANTIAGO RD. AND SOLEDAD CANYON RD.	2001	$390,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	007	SYRACUSE AVE. PIPELINE. THERE IS PRESENTLY ONE PIPELINE THAT CONVEYS THE DISTRICT'S WELL WATER TO THE NORTH TANK. IF THIS LINE BREAKS MORE THAN 1/2 THE DISTRICT'S CUSTOMERS WILL BE WITHOUT WATER.	CONSTRUCT 2,600 FT. + OF 12 INCH PIPELINE ALONG AN ALTERNATE ROUTE TO MAKE THE SYSTEM MORE RELIABLE.	1999	$200,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	004	CROWN VALLEY RD. PIPELINE. THE EXISTING PIPELINE THAT CONVEYS WATER FROM THE CROWN VALLEY PUMP STATION TO THE NORTH TANK IS AGED AND IN NEED OF REPLACEMENT. IF THIS MAIN FAILS APPROXIMATELY ONE HALF THE DISTRICT'S CUSTOMERS WILL BE WITHOUT WATER.	CONSTRUCT APPROXIMATELY 2,700 FT. OF 12 IN. PIPELINE.	1999	$220,000
0	C	4340	5	Cal-Am Water Company - Felton	4410002	002	Water outages due to lack of pressure because of undersized main.	Replace San Lorenzo water main.	1998	$270,000
0	C	4340	5	Cal-Am Water Company - Felton	4410002	001	Water main is undersized for hydraulic need and has a history of breaks and leaks.	Replace water main.	1998	$300,000
0	C	4417	11	DOS PALOS-CITY	2410002	001	Old, deteriorated, leaky water lines that were installed in 1949.	Replace existing lines with new PVC lines.	2005	$138,250
0	C	4555	14	Del Mar - City of	3710004	002	Add seismic actuated valves to increase system reliability. Please see attached.	Please see attached	1998	$260,000
0	C	4660	16	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	005	SEISMICALLY UNSOUND TANK CONNECTIONS. IN THE EVENT OF A SEVERE EARTHQUAKE, THE EXISTING RIGID CONNECTION AND DRAIN COULD RUPTURE LEAVING AFFECTED RESIDENTS WITHOUT WATER SERVICE.	RETROFIT TWO WATER TANKS WITH FLEXIBLE CONNECTIONS AND MOVE DRAIN/OVERFLOW TO SIDES OF TANKS.	1999	$112,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	4660	16	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	002	NO WELLS. THIS DISTRICT HAS ONLY ONE SOURCE OF WATER, THE CASTAIC WATER AGENCY. WHEN THIS CONNECTION IS DOWN, AS OCCURRED AFTER THE 1994 EARTHQUAKE, WE MUST RELY ON STORAGE VOLUME FROM OUR TANKS WHICH WILL LAST LESS THAN ONE DAY.	CONSTRUCT NEW WELL WITH CHLORINATION STATION, FOREBAY TANK, AND BOOSTER PUMPING STATION TO MEET CUSTOMER WATER REQUIREMENTS.	2001	$1,705,000
0	C	4660	16	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	004	INTERMEDIATE ZONE DISTRIBUTION TANK NEEDED. THE EXISTING SYSTEM HAS TWO PRESSURE ZONES WITH A 310' DIFFERENCE IN ELEVATION. MANY OF OUR CUSTOMERS ARE SERVED OFF THE HIGH PRESSURE ZONE. THIS REQUIRES CONSTANT PUMPING AND REGULATING OF PRESSURES.	CONSTRUCT A 500,000 GALLON TANK AT AN INTERMEDIATE PRESSURE ZONE FOR THE HASLEY AREA.	2001	$5,015,000
0	C	4660	16	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	001	CUYAMA TANK. THE EXISTING 500,000 GALLON CUYAMA TANK IS OVER 20 YEARS OLD WITH CORRODED TANK WALLS WHICH MAY AFFECT WATER QUALITY AND PUBLIC HEALTH.	RECOAT INTERIOR OF 0.50 MG CUYAMA TANK TO PROTECT WATER QUALITY AND PUBLIC HEALTH.	2000	$80,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	001	Elevated areas of the system have exceptional low pressures. Does not comply with W.W.S.	Conducted a study with an engineering firm, best way to solve the problem was to install booster pump station.	2002	$95,000
0	C	5000	13	BIGHORN - DESERT VIEW WATER AGENCY	3610009	001	Need to identify water quantity and quality information to serve potential development and establish needed capital projects to meet that need.	Prepare a water resource plan	2006	$300,000
0	C	5293	11	FOWLER, CITY OF	1010006	002	The water system is separately by Freeway 99 and the three water lines that connect the two sides of the water system do not have adequate capacity to provide desired water pressures and fire flows.	Construct a new well to increase the water supply capacity for both sides of the water system.	2002	$650,000
0	C	5383	6	SOLVANG WATER DEPARTMENT	4210013	002	Needs additional water storage facilities to comply with Water Works standards.	Construction of 2.3 million gallon reservoir	2001	$3,638,000
0	C	5500	16	VALENCIA HEIGHTS WATER CO.	1910163	001	Four wells produce water with nitrates and VOC's. Three out of four wells have exceeded the MCL for nitrate of 45 ppm.	Design and construct replacement wells.	1999	$700,000
0	C	5659	6	GUADALUPE WATER DEPARTMENT	4210003	001	Inadquate storage capacity for fire suppression and system demand needs for the size of system.	Constrict a 1.5 MG water storage tank and associated appurtanences and a looped water system.	2002	$1,420,500
0	C	5730	20	California Rehabilitation Center Norco	3310800	001	Well #1 contains Benzene at a level above the MCL. The well was taken out of service in early 1989. In 3/97 an inspection of CRC's water system by DHS indicated that we need more water to reliably meet demands. Well #1 needs to be reactivated.	Add air stripping unit for benzene treatment.	1998	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	6000	20	Nuevo Water Company	3310026	001	Degradation of ground water quality due to intrusion of plume of high TDS water into ground water basin (see attached May 31, 1995 report prepared by Albert A. Webb Associates).	Construct new 1000 gpm capacity well and new 12" pipeline (see attached Plate 1).	1998	$1,020,000
0	C	6250	13	GOLDEN STATE WATER CO - APPLE VLY SOUTH	3610107	001	Old, undersized mainline	Replace mainline	1998	$38,000
0	C	6251	8	Serrano Water District	3010082	002	Ww standard defects. Additional capacity to treat surface water for East Orange County Water District and the City of Orange.	Construct additional 2 MGD to existing treatment plant.	1998	$2,500,000
0	C	6362	15	NEWHALL CWD-CASTAIC	1910247	002	Available water right of 2.66% in the storm flow that is captured behind Castaic Dam is not utilized.	The District proposes to construct a micro filtration plant to treat the water and utilize in the domestic system. Project involves: Design, and Construction	1998	$2,800,000
0	C	6362	15	NEWHALL CWD-CASTAIC	1910247	001	Insufficient finished water storage capacity and water conveyance facilities in the 1630' pressure zone on the west side of the Castaic system.	Design and construct 2.5 MG welded steel storage reservoir in 1630' pressure zone and 8,880 feet of 16-inch diameter waterline.	1998	$2,660,000
0	C	6500	6	Templeton CSD	4010019	002	Supplement water supply to meet doomestic and fire demands	Recharge Salinas River sub-flow with water allocation from Nacimiento Water Project & extract same amount downstream	2007	$250,000
0	C	6500	6	Templeton CSD	4010019	001	Correct low pressure zone to meet domestic demands, improve reliability & water quality	Install storage reservoir, booster station and system piping for better circulation and adequate flows.	2005	$1,960,000
0	C	6500	6	Templeton CSD	4010019	003	Exisiting system delivering low pressure (28 to 39 psi) avg. day demand on west side of the service area.	Construct a new higher pressure zone, including 1.0 MG storage tank, 100 ft of 10 inch PVC main from new tank to the existing water main, bosster station, 650 feet of 8-inch PVC water main to allow water to bypass transmission mains.	2006	$2,800,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	009	Lack of adequate well water/reliance on NID Ditch water for housefold use	Connection to NID treated water service.	2005	$1,310,000
0	C	7128	20	Western MWD - Murrieta Division	3310036	003	Aging leaking water distribution lines within older portions of town requiring high maintenance costs & possible water outages.	Replace main & lateral water lines in older parts of town. Many areas are in lower income areas. Some are also in historical parts of town.	2002	$750,000
0	C	7305	12	Woodlake, City of	5410020	005	Inadequate storage capacity.	Add additional storage tank and associated piping.	2006	$750,000
0	C	7305	12	Woodlake, City of	5410020	007	Our 500,000 gallon water storage tank (city has only one) has been determined (by an outside engineering firm) to be in danger of collapse. Portion of their report states It is this engineers preliminary assessment that the steel tank is in a state of p	The Citys contract Engineering firm has determined that enough surface area at the project site (a hill) will allow for the construction of a 500,000 gallon tank adjacent to the existing tank. Preliminary design has concluded that a retaining wall must b	2007	$1,500,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	7500	16	LA PUENTE VALLEY CWD	1910060	003	WW standards defect. Reliability. Numerous leaks on 12" steel (circa 1951) transmission/distribution line on Stimson St. causing water outages during maintenance.	Replacement of line with 12" ductile iron pipe. Project involves: Design to solve problem, and Construction	2000	$150,000
0	C	7500	16	LA PUENTE VALLEY CWD	1910060	004	WW standards defects. Power outages cause water outages in Pressure Zone 2 and 4.	Construction of a 75 HP generator for booster pumps.	1999	$35,000
0	C	7500	16	LA PUENTE VALLEY CWD	1910060	005	Inadequate distribution grid causes major water outages during maintenance, poor flow during peak summer months.	Construction of a pressure sustaining valve between Pressure Zone 1 and 2.	1998	$20,000
0	C	7775	18	California-American Larkfield (PUC)	4910023	003	Inadequate storage capacity.	Construct raw water storage reservoir at North Wikiup site.	1998	$400,000
0	C	7775	18	California-American Larkfield (PUC)	4910023	002	South end of distribution system requires an additional looped feed.	Old Redwood Highway main replacement/extension.	1998	$160,000
0	C	7880	22	SOUTH MONTEBELLO IRRIGATION DIST.	1910153	002	To protect against seismic damage by the U.S. Army Corps of Engineers in a series of studies in the southern California areas between 1995-1997.	Replacing key water transmissions and distribution mains as well as valves and fire hydrants.	2003	$450,000
0	C	8080	20	Santa Ana River Water Company	3310033	003	Insufficient treated water storage facilities. The water Company has two water storage facilities. The water company has two water storage tanks with a capacity of 2.2 million gallons. However, they need 4.9 million gallons of storage.	Construct a 2.7 million gallon welded steel tank on the water company's existing land on Bellegrave Ave.	1998	$1,200,000
0	C	8080	20	Santa Ana River Water Company	3310033	002	Lack of reliable water supply.	Drill and equip two water wells	1998	$600,000
0	C	8080	20	Santa Ana River Water Company	3310033	005	The water company's two existing water storage tanks need to be upgraded to minimize potential damage to piping and possible breakage during a severe earthquake.	Foundation improvements, expansion joints and piping modifications of shell to ground connections (see attached report).	1998	$100,000
0	C	8080	20	Santa Ana River Water Company	3310033	006	Payment of loan under CA Safe Drinking Water Bond Law of 1976, to pay for the construction of a new well, booster station, storage tank, and pipelines; due to low pressure, insufficient water storage and supply.	Construct new 1.5 MG tank, well #8, Bellegrave Booster Station and pipelines. (see attached loan agreement)	1998	$1,255,690
0	C	8080	20	Santa Ana River Water Company	3310033	001	Poor water quality and low water pressure due to dead end water lines.	Construct water pipelines to eliminate dead end water lines (Plate 1)	1998	$810,000
0	C	8080	20	Santa Ana River Water Company	3310033	004	Lack of reliable water supply. High nitrate wells taken out of service. System is dependant on neighboring water system (see attached documentation).	Install an ion exchange treatment process to remove nitrate from Wells 3 and 3A	1998	$1,300,000
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	002	Inadequate storage to comply with Water Works standards.	Construct a 3.2 MG reservoir to provide adequate storage in one pressure zone.	1998	$3,300,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	8538	11	BAKMAN WATER COMPANY	1010001	001	Well No. 10 exceeds the DBCP MCL, but GAC treatment has already been installed.	A GAC treatment system has already been installed on Well No. 10.	2004	$250,000
0	C	8557	15	NEWHALL CWD-PINETREE	1910250	001	Insufficient treated water storage facilities to meet maximum day water demand of 5 mgd.	Install a 2 MG welded steel storage facility to supplement the Pinetree Systems existing storage. Project involves: Design to solve problem, and Construction	1998	$1,000,000
0	C	8646	13	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	003	Master Plan does not provide for reliable water system operation	Develop a new master plan	2000	$100,000
0	C	9479	13	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047	002	Old, undersized mainline	Replace mainline	1998	$3,900,000
0	C	9479	13	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047	003	210k Gal Lone Pine Reservoir corroded and structurally unsound	Construct new reservoir	1998	$200,000
0	C	9500	16	MAYWOOD MUTUAL WATER CO. #3	1910086	002	Replace low flow mains, replace all 4 inch main with 6-8 inch.Increase fire flow to low flow areas6 inch main between Gage and Randolph on Atlantic Blvd, remove blockage for fire flow.Replace 4 inch mains on Mayflower & Prospect between Randolph and 61	6 inch main between Gage and Randolph on Atlantic Blvd, remove blockage for fire flow.Replace 4 inch mains on Mayflower & Prospect between Randolph and 61st street.Replace 4 inch mains on Slauson Avenue from Alamo to LA River.Replace 4 inch mains on At	2010	$2,000,000
0	C	9719	22	EAST PASADENA WATER CO.	1910020	001	Existing wells (supply) does not meet the rqmnts for high demand peaks per WW Stnds	Drill new well to increase capacity from Raymond Basin	2001	$624,000
0	C	9777	16	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	003	REGION 24, 27, 33 WELLS MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT A NEW 500' SHADOW WELL, A CHLORINATION SYSTEM, A BOOSTER STATION AND A FOREBAY TANK	2001	$1,536,000
0	C	9777	16	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	001	GROUNDWATER NEEDS TO BE CHLORINATED	CONNECT 2 ADJACENT WELLS FOR CHLORINATION AT ONE SITE	1998	$110,000
0	C	9777	16	LOS ANGELES CWWD 40, R24, 27,33-PEARBLSM	1910203	002	OLD, UNDERSIZED WATER MAIN	INSTALL 6,600 LINEAR FEET OF 12" WATER MAIN	1999	$450,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	005	Insufficient source capacity resulting in outages	Drill a new well	2000	$300,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	004	Waterworks problems- Insufficient storage capacity	Have a hydraulic analysis performed on the system to determine size of reservoirs and location and build reservoirs	2000	$565,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	003	Need a Water Master Plan	Develop a Water master plan	2000	$100,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	002	Waterworks problems - pipelines too small in diameter to adequately supply water throughout the distribution system.	Have a hyfraulic analysis performed on the system to determine how much pipeline is needed and where, contract for installation of pipelines	2000	$100,000
0	C	9910	17	Westborough County Water Dist	4110027	001	Water outages due to deteriorating pipes and low storage tanks.	Install new pipes and couplings to eliminate water outages for customers and construct new water storage tank for adequate water storage.	1998	$2,500,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	10500	14	Riverview WD	3710030	003	Watermain replacement: 3000' of 14" steel in Emerald Grove Ave. The main si approx. 60 yrs old and in bad shape. Several breaks have ocurred and the main is a major connector between pressure levels within the District.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$250,000
0	C	10570	7	SIERRA MADRE-CITY, WATER DEPT.	1910148	002	Reliability of local sources limited. Additional sources of supply needed.	Design and construct one domestic well and a water system inter-tie between the Cities of Sierra Madre and Arcadia.	1998	$1,660,000
0	C	10570	7	SIERRA MADRE-CITY, WATER DEPT.	1910148	001	WW standards defect. Poor reliability of aged storage reservoir.	Replace two (2) concrete reservoirs and perform seismic retrofit work at two (2) others. Project involves: Design, and Construction	1998	$6,000,000
0	C	11328	17	Hillsborough Water Dept.	4110016	001	Delapitated and aged watermains, water tanks and booster stations.	Replace existing undersized water mains with minimum 8" ductile iron pipe. Seismically upgrade or replace water tanks and booster station and other improvements and water services.	2006	$15,000,000
0	C	11649	1	City of Fortuna	1210006	003	Two reservoirs structurally failing and too small to serve the area; booster station needs to be replaced.	Reconstruct/rehabilitate two tanks; replace pump station (w/ supporting engineering evaluation)	2004	$1,250,000
0	C	12481	13	SBDNO COUNTY SERVICE AREA 64	3610121	005	Master plan does not provide for reliable water system operation	Develop new master plan	2000	$100,000
0	C	12481	13	SBDNO COUNTY SERVICE AREA 64	3610121	004	System does not meet water works standards for reliability and capacity	Construct new tank	2000	$350,000
0	C	12543	15	Newhall CWD-Newhall	1910096	002	Well 10 specific capacity has decreased from 14.8 gpm/ft. of drawdown to 3.9 gpm/ft. between 1961 and 1996 respectively.	Rehabilitate Well 10 by chemical treatment. See attached specification and correspondence of July 9, 1997.	1998	$150,000
0	C	12543	15	Newhall CWD-Newhall	1910096	003	Refinance. Six (6) water tanks were destroyed by the January 1994 Northridge earthquake.	Replacement of six (6) water tanks which failed in the January 1994 Northridge earthquake. Refinancing of the District's 1995 Installment Sale Financing (see attached Agreement).	1998	$2,870,211
0	C	12543	15	Newhall CWD-Newhall	1910096	004	WW standards defect. Reliability of an emergency connection.	Design and construct a pumping station and a connection to CLWA's lateral to obtain 2000 gpm capacity.	1998	$300,000
0	C	12543	15	Newhall CWD-Newhall	1910096	005	WW standards defect. Reliability of aged booster pumps at Station No. 6.	Construct a 12-inch diameter water main about 2600 + from Zone 8 (1710') system to Zone 6. PZ No. 6 will be eliminated by this project. (See Plate 1). Project involves: Design, and Construction	1998	$232,000
0	C	12614	11	LIVINGSTON-CITY	2410004	002	The distribution system has some aged and undersized water mains.	Conduct an engineering study to identify system deficiences and replace deficient water mains.	2004	$4,100,000
0	C	12626	6	NIPOMO COMM SERVICES DIST	4010026	003	Need additional storage capacity to meet present demand for a new high school and future district requirements	Construction of a one million gallon water storage tank and transmission main.	2002	$1,000,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	12905	16	LOS ANGELES CO WW DIST 40 Reg 38 Lake LA	1910005	001	REGION 38 WELLS MAY NOT BE ABLE TO PROVIDE ADEQUATE WATER SUPPLY DURING HIGH DEMAND	CONSTRUCT A NEW 400' SHADOW WELL, 4500' OF PIPELINE, A CHLORINATION SYSTEM, A BOOSTER STATION AND A FOREBAY TANK	2001	$715,000
0	C	13168	20	Lee Lake Water District	3310074	001	In 1996, the Distirct acuired 3 water wells for the purpose of providing an alternate source of potable water to the District's system to increase system reliability. It was determined by DHS that the wells are under the influence of surface water.	A water surface treatment facility needs to be constructed to allow the District to use its wells for potable use. Also, a water transmission pipeline must be constructed to connect the wells to the District's existing potable transmission main.	1999	$1,000,000
0	C	13500	6	MONTECITO WATER DIST	4210007	006	Dependency on South Coast Conduit during high flows.	Replace existing 250,000 gallon tank with 2,000,000 gallon tank and increase treatment flow to 1.4 MGD.	2003	$3,200,000
0	C	14000	12	Lamont Public Utility Dist	1510012	004	Lack of sufficient water supply and storage facilities. Loss of any one well puts system in jeapordy.	Drill one new water well of approximately 3000 gpm capacity and construct one new reservoir of approximately 1 MG capacity.	2003	$1,500,000
0	C	14575	10	RIPON, CITY OF	3910007	001	Rising concentrations of nitrate in the City of Ripon's groundwater supply have forced the City to take critical wells out of its drinking water supply. One of the City's potable wells, Well 12 with a design flow of 2,000 gpm, is currently offline due to	Given the residuals disposal challenges associated with strong base anion exchange and reverse osmosis, the City of Ripon is proposing to evaluate weak base anion (WBA) exchange as an emerging nitrate treatment technology that may offer a feasible alterna	2008	$500,000
0	C	15000	16	QUARTZ HILL WATER DIST.	1910130	001	Disinfection facilities are needed to reduce loss of residual in the system.	Purchase and installation of hypochlorite generators.	1998	$100,000
0	C	15300	3	American Canyon, City of	2810005	001	Deficiency in treated water storage for supply, pressure and fire fighting.	Design, land acquisition and four MG potable water storage tank.	1998	$2,048,000
0	C	15300	3	American Canyon, City of	2810005	002	Deficient residual pressure and need emergency water supply.	Purchase water supply and connection from City of Vallejo water system.	1998	$1,000,000
0	C	15959	3	Ukiah, City of	2310003	001	Inadequate storage volume.	Add 3,000,000 gallons of storage to the distribtution system.	2002	$2,000,000
0	C	16000	16	LINCOLN AVENUE WATER CO	1910063	002	Most main lines in our service are are 50+ years old. Some areas do not have adequate fire flow as required by the LA County Fire Department.	Upgrade the distribution system.	2008	$500,000
0	C	16800	6	OAK PARK WATER SERVICE	5610043	001	1.0 MG storage tank built in 1996 is on unstable soil that precule seismic upgrade. System deficient in storage	Install new 2 MG tank with good foundation soils and pipeline connecting the new location to the system	2004	$2,500,000
0	C	16800	12	West Kern CWD	1510022	002	Residents experience lower than normal water pressure and minimum flow for fire hydrants cannot be maintained by the District.	Construction of 900,000 gallon water storage tank.	2005	$898,754
0	C	19000	5	San Lorenzo Valley Water Dist	4410014	001	Inactive surface water source requires treatment.	Build a surface water treatment plant on a new site and also provide treatment for iron, manganese, and hardness in the Olympia Wellfield.	1998	$8,040,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	20181	7	LOMITA-CITY, WATER DEPT.	1910073	002	WW standards defects. Poor reliability of existing 71 years old concrete reservoir. System is totally dependent on imported water from M.W.D.	Design and construction of 7 MG water storage.	1998	$4,000,000
0	C	20500	8	South Coast WD - Capistrano Beach	3010055	002	The District proposes to construct a groundwater recovery facility using reverse osmosis with an ion exchange pre-softening.	Design and construction of a groundwater recovery facility.	1998	$5,000,000
0	C	20500	8	South Coast WD - Capistrano Beach	3010055	001	Water storage capacity is inadequate to handle the anticipated storage needs for District as well as to handle the storage needs of the proposed District groundwater recovery facility.	The District proposes to construct a new 2 million gallon reservoir at the current reservoir's site.	1998	$2,000,000
0	C	20681	13	Phelan Pinon Hills CSD	3610120	002	Master plan does not provide for reliable water system operation	Develop a new master plan	2000	$100,000
0	C	20681	13	Phelan Pinon Hills CSD	3610120	006	Booster stations need to be upgraded to be able to supply additional water throughout the distribution system	Upgrade and replace booster pumps	2000	$150,000
0	C	20681	13	Phelan Pinon Hills CSD	3610120	004	Lack storage capacity	Construct two new tanks	2000	$1,250,000
0	C	20681	13	Phelan Pinon Hills CSD	3610120	005	Distribution system is not large enough to adequately supply water throughout the system to meet peak demand	Upgrade distribution system	2000	$2,229,000
0	C	20875	10	PATTERSON, CITY OF	5010017	001		One of the Citys drinking water wells is located adjacent to a City park, and surrounded by a residential area.The well is enclosed by four inadequate walls and a chain link gate. The walls are easily damaged and difficult to repair. Water operators ob	2008	$250,000
0	C	21500	17	City of Millbrae	4110018	002	Need capability to transport water to separate zone in event of service disruption.	Install pump station to pump water from lower zone to upper zone.	1999	$375,000
0	C	21500	17	City of Millbrae	4110018	001	Undersized pipes and deteriorating distribution system causing breaks and service disruptions.	Replace system sections that are undersized and deteriorated,	1998	$450,000
0	C	21500	17	City of Millbrae	4110018	003	Need to improve storage reliability and recoat storage tanks.	Seismically upgrade storage tanks and recoat interior and exterior surfaces	2000	$2,000,000
0	C	22000	6	PORT HUENEME WATER DEPT	5610009	005	water mains contain joints with lead, impart lead contamination to water supply	Replace two cast iron mains with PVC C9000	2000	$3,000,000
0	C	22000	15	NORWALK - CITY, WATER DEPT.	1910191	001	Lakeland Well No. 3 shut down due to water contamination and structural problems.	Install new well and well head treatment. Project involves: Design, and Construction	1998	$1,460,000
0	C	22000	15	NORWALK - CITY, WATER DEPT.	1910191	002	Fire flow, peak hour, and emergency use demands are not currently being met due to under-capacity storage facilities.	Construct a new reservoir, well and pump station. See attached discussion. Project involves: Design, and Construction	1998	$5,825,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	22370	16	EL MONTE-CITY, WATER DEPT.	1910038	002	production well # 4 is showing increase levels of nitrates. the city has made contact with MWH and are in the planning stage to treat this well with R.O.	Production Well # 4 is equipped with a 100 HP electric motor and a natural gas motor incase of emergency use. The well produces 1500GPM and is a lead well for our system.If Nitrates levels exceed the MCL the city will install a R.O. system to remove the	2007	$500,000
0	C	22649	11	REEDLEY, CITY OF	1010027	001	The City of Reedleys water system currently has storage capacity for 100,000 gallons to serve a population of 24,000 + with over 5,000 service connections. This is inadequate storage for fire protection and for an extended City wide power outage, this w	The project will allow for two 1.5 million gallon elevated Hydro-towers to be located at the north end of the City and the east end to stabilize pressures and provide the City with more than 24 hours of water storage capacity. These towers will be design	2007	$9,000,000
0	C	24160	5	Hollister, City of	3510001	005	Concrete storage reservoir in Cienega Hills needs to be replaced.	Design and construct a modern reservoir to replace the existing one.	2000	$265,000
0	C	24160	5	Hollister, City of	3510001	007	Seismic retrofits of well facilities.	All deficiencies should be carefully evaluated and corrected.	1998	$150,000
0	C	24160	5	Hollister, City of	3510001	002	Certain areas of the City have 50 year old pipelines which need to be replaced.	Identify a more stable pipeline route and then construct a new pipeline with the use of proper restraints and well-engineered structures.	1999	$1,278,000
0	C	24160	5	Hollister, City of	3510001	011	City has 50-year old pipeline that needs to be replaced. Pipelines are located on unstable hillsides, not properly supported; have failed frequently, resulting in water outages. Repairing leaks requires depressurizing large portions of system.	Identify a more stable pipeline route and construct a new pipeline with adequate restraints and supports.	2000	$1,366,000
0	C	24295	7	GSWC-SOUTH ARCADIA	1910212	001	700' OF WATER MAINS LESS THAN 4" IN DIAMETER. THESE MAINS DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a).	REPLACE UNDERSIZED MAINS	1998	$70,000
0	C	24295	7	GSWC-SOUTH ARCADIA	1910212	002	ENCINITA WELL #1 AND #2 EXCEED THE TCE MCL	INSTALL GAC FILTERS ON WELL #1 AND BLEND ITS OUTPUT WITH WELL #2 AND #3	1998	$800,000
0	C	24877	11	CITY OF SANGER	1010029	002	Lack of adequate backup power facilities at the well sites.	Install backup power generators at 8 well sites to provide system reliability.	2006	$1,200,000
0	C	25620	14	Valley Center MWD	3710026	001	Deficient system storage.	2,400' of 16" line, 3-MG steel reservoir (Shadow Ridge).	1998	$2,000,000
0	C	25824	16	City of South Pasadena	1910154	002	The 100 year old Grand Reservoir has a collapsing roof and excessive leakage.	Design and construct a replacement reservoir.	1998	$2,000,000
0	C	25824	16	City of South Pasadena	1910154	005	Water pressure in the south-western section of the city is extremely low water pressure making the system susceptible to backflow contamination, and impairing health and sanitation on customer facilities.	Low pressure - south-western section of city; revise current pressure zone, convert to variable speed booster pumps, and build a connection to the existing high pressure supply from the LA MWD. Project involves: Design, and Construction	1999	$1,200,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	25824	16	City of South Pasadena	1910154	001	The finished water storage reservoir at the Wilson site has a deteriorated roof making the finished water susceptible to contamination.	Replace reservoir roof. Project involves: Design to solve problem, and Construction	1999	$450,000
0	C	27361	20	Norco, City of	3310025	003	The City does not have sufficient source capacity from its existing wells to adequately, dependably, and sagely supply the total requirments of all of its users under maximum day demand conditions. DHS compliance order 04-14-95CO-007, p.2 attached.	Design, drill and equip additional well in Temescal Basin, including required transmission main.	1998	$350,000
0	C	27361	20	Norco, City of	3310025	002	The City does not have an adequate source of supply to meet peak water demand. (see DHS compliance order 04-14-95CO-007, p.2 attached)	To reduce system demand, a pumping station and transmission main will be constructed to return up to 2 MGD of recycled water from the WRCWA regional sewage treatment plant for irrigation purposes.	1998	$550,000
0	C	27361	20	Norco, City of	3310025	001	The City's water system has a peak consumption demand of 13 MGD and only 9.5 MG of reservoir storage (see attached DHS compliance order, page 4, 5).	Construction of 4 MG reservoir to maintain adequate reserve capacity.	1998	$4,400,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	034	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$70,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	033		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$70,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	039		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$70,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	038		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$70,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 041	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 004	CARBON MESA WATER TANK. THE EXISTING 0.1 MG TANK IS AGED AND OF INSUFFICIENT SIZE TO STORE WATER FOR DOMESTIC WATER SUPPLY.	ERECT A TEMPORARY 0.1 MG TANK, REMOVE THE EXISTING RESERVOIR, AND CONSTRUCT A NEW 0.250 MG RESERVOIR.	1999	$800,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 007	EMERGENCY GENERATOR. DURING POWER OUTAGES, THE MAJORITY OF THE DISTRICT WILL BE CUT OFF FROM WATER SERVICE UNTIL POWER IS RESTORED.	INSTALL PERMANENT EMERGENCY BACK-UP GENERATORS TO KEEP OUR TWO MAJOR PUMP STATIONS OPERATIONAL DURING POWER OUTAGES.	1999	$600,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 036	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 037		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 035		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 040		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 025		In compliance with the Public Health Security and Bioterrorism Preparedness and Response Act of 2002, the Los Angeles County Waterworks Districts (Districts) completed three vulnerability assessments. These vulnerability assessments evaluated susceptibil	2007	$4,025,600

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Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 027	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 030		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 026	Metropolitan Water District of Southern California (MWD) provides the single source of water that supplies Los Angeles County Waterworks District No. 29 (WWD 29) through a connection with West Basin Municipal Water District (WBMWD). The water supply is d	Los Angeles County Waterworks District 29 (District) is proposing the addition of a new water source through a new interconnection with MWDs' Sepulveda Feeder to boost gradient during high demand and emergencies. The new connection will be utilized as th	2007	$5,350,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 024	Metropolitan Water District of Southern California (MWD) provides the single source of water that supplies Los Angeles County Waterworks District No. 29 (District) through a connection with West Basin Municipal Water District (WBMWD). The water supply is	The District is seeking matching funds for a capital improvement project aimed at decreasing water age by increasing turnover rates in the 5 MG Pepperdine storage, and installation of new water quality monitoring equipment. The project consists of insta	2009	$2,400,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 028	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 023	The existing concrete tank does not meet current domestic and fire protection standard.	Will be replaced with a bigger steel tank.	2007	$1,460,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 029	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$35,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204 031		The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$70,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	032	The Los Angeles County Waterworks District No. 29 receives its water supply from West Basin Municipal Water District that, in turn, purchases imported water from the Metropolitan Water District of Southern California (MWD). The water supplied by MWD is c	The purpose of the proposed project is to thoroughly mix the water in the tank to eliminate temperature stratification, short-circuiting and stagnant water conditions, which will provide a uniform, short water age. To accomplish this goal, the District p	2008	$70,000
0	C	28000	4	City of Benicia	4810001	011	Inadequately sized distribution system pump station.	Design and construction of new pump station with additional capacity and reliability improvements.	2001	$1,225,000
0	C	28000	4	City of Benicia	4810001	008	Inadequate operational control of WTP and distribution system due to outdated SCADA system.	Design and install integrated SCADA/telemetry system for the pump station and WTP/	2001	$915,000
0	C	28000	4	City of Benicia	4810001	019	No emergency power to operate distribution system.	Design and install permanent emergency power facilities at Rose Drive Pump station.	1999	$100,000
0	C	28000	4	City of Benicia	4810001	009	Inadequately sized distribution system pump station.	Design and construction of pump station improvements to increase capacity and increase reliability.	2000	$620,000
0	C	28000	4	City of Benicia	4810001	012	Low distribution system pressure.	DESIGN AND CONSTRUCTION OF A NEW 24 INCH PIPELINE AND OTHER MODIFICATIONS TO EXTEND ZONE II TO THE WEST TO SERVICE THE AREA.	2001	$710,000
0	C	28000	4	City of Benicia	4810001	020	Structural and seismic improvements needed at outlet tower of stand-by source.	Structural and seismic improvements to the tower will be designed and constructed.	1998	$260,000
0	C	28000	4	City of Benicia	4810001	015	Raw water transmission system may be corroded and in need of repair.	Corrosion survey of entire pipeline and repairs to Cordelia pipeline.	1998	$115,000
0	C	28000	4	City of Benicia	4810001	010	Undersized distribution system piping.	Design and construction of a 2,000 foot long, 24 inch pipeline in Bayshore Road to parallel the existing pipeline.	2000	$710,000
0	C	28000	4	City of Benicia	4810001	003	Seismic and structural improvements needed for treated water reservoir.	Perform seismic and coating evaluation, design and construct improvements.	1998	$200,000
0	C	28000	4	City of Benicia	4810001	001	Inadequate turnover in treated water reservoir.	Install booster pump to cycle reservoir contents and repair roof.	1998	$267,500
0	C	28000	4	City of Benicia	4810001	017	Sections of distribution system is deteriorated.	Replace pipelines with new ductile iron pipe to bolster the distribution system.	2002	$1,029,000
0	C	28000	19	INDIAN WELLS VALLEY W.D.	1510017	002	LIMITED TRANSMISSION CAPACITY ON EAST SIDE RESULTING IN LOW PRESSURES. ADDITIONAL STORAGE CAPACITY REQUIRED IN THIS AREA.	INSTALL NEW PIPELINES IN THE EASTERN PORTION AND CONSTRUCTION A STORAGE TANK IN THIS AREA. OTHER -DESIGN AND CONSTRUCTION	2000	$11,975,000
0	C	28000	17	City of East Palo Alto	4110024	002	Need emergency water supply.	Design and construct a facility on site to treat high iron and magnese contect to a safety level in order to use as the back-up source during emergency when San Francisco Water is not available.	1999	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	28000	17	City of East Palo Alto	4110024	001	Undersized pipes and deteriorated water mains causing breaks, low pressure, and low flow rates.	Replace rusted old and undersized water mains with new min. 8" mains to elliminate health hazard and risk of failure.	1999	$1,100,000
0	C	28796	6	ATASCADERO MUTUAL WATER CO	4010002	004	Raw surface water to be delivered from Nacimiento Project as a back-up/additional source.	Design & construct a 3.4 MGD SWTP to treat the raw water	2007	$7,500,000
0	C	28796	6	ATASCADERO MUTUAL WATER CO	4010002	005	Needs to treat new surface water source (Nacimiento Water) that will become available in 2010	Deisgn and Construct SWTP, recharge & recovery basins and associated wells and other infrastructure	2007	$5,000,000
0	C	29281	6	Santa Paula Water System	5610011	004	Distribution system has old, inadequate size and poor condition mains which do not comply with W.W.S.	Design & construct 9,000 lineal feet of 8 inch dist. Mains including services, hydrants, air/vac valves, bklowoffs & contract mgmnt.	2001	$842,400
0	C	31000	15	CRESCENTA VALLEY CWD	1910028	004	The water systems has 10 old cable tool drilled wells and one (1) mud rotary drilled well. All of the wells were constructed prior to 1951 without sanitary seals and have biological growths, such as iron bacteria, and casing corrosion.	Replace the existing 11 wells with up to 16 new wells of modem design and construction to replace existing production.	2000	$11,069,460
0	C	31000	15	CRESCENTA VALLEY CWD	1910028	001	WW standards defects. Thirteen (13) aged steel finished water reservoirs in need of major repairs due to structural and seismic deficiencies.	Rehabilitation of the 13 reservoirs. Project involves: Design, and Construction	1998	$2,416,695
0	C	33792	9	San Juan Water District	3410021	002	Inadequate pressure to meet Waterworks Standards. As water demand increases, pressure drops below the State required minimum and temporary water outages are experienced during peak demands.	Install a 12-inch pipeline up to the tank and refurbish the existing tank, which belongs to a neighboring water agency. The neighboring water agency does not use the tank and they have agreed to let SJWD use it. Also requires four new 60 hp pumps.	1998	$500,000
0	C	35000	17	Estero Municipal Improvement District	4110021	001	Need an alternate supply main since system supplied by one main.	Desgin and Construct alternative water supply main to redundant SFWD supply.	1999	$20,000,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	006	Distribution system has old and inadequate size mains which do not comply with Water Works standards.	Replace 2400 feet of water main.	1998	$154,000
0	C	36037	8	City of San Juan Capistrano	3010030	003	Current reservoir capacity to zone is inadequate causing pressure fluctuation. Reservoir is in need of major repair.	Construct 2 MG reservoir and transmission main to link into distribution system.	1998	$1,815,000
0	C	36037	8	City of San Juan Capistrano	3010030	002	Loss of capacity due to reduced yield and bio fouling in Rosenbaum Well No 2.	Construct new well in Trabuco Creek (North) area of District.	1998	$276,000
0	C	36037	8	City of San Juan Capistrano	3010030	004	Lack of emergency reservoir storage (2004 Water Master Plan Available upon Request)	Construct a reginal emergency storage reseroir, the Chiquita Reservoir in Mission Viejo. Santa Margarita Water District is the lead agency for this project. The requested cost is the City's share cost for this project.	2006	$5,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	36501	7	GSWC - CLAREMONT	1910024	001	6100' OF WATER MAINS LESS THAN 4" IN DIAMETER. THESE MAINS DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a).	REPLACE OR ABANDON UNDERSIZED MAINS OVER A 2 YEAR PERIOD	1998	$300,000
0	C	37732	15	GSWC - CULVER CITY	1910030	003	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$700,000
0	C	37732	15	GSWC - CULVER CITY	1910030	002	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	1998	$320,000
0	C	37732	15	GSWC - CULVER CITY	1910030	004	UNABLE TO DISINFECT 3 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	1998	$45,000
0	C	37732	15	GSWC - CULVER CITY	1910030	001	BOTH ACTIVE WELLLS HAVE BEEN SHUT DOWN UNDER THE REQUEST OF EPA/LARWQCB DUE TO A POTENTIAL MTBE CONTAMINATION IN THE AREA.	CONSTRUCT A NEW WELL IN A UNCONTAMINATED AQUIFER. STUDY WATER QUALITY TO DETERMINE POTENTIAL NEED FOR TREATMENT.	1998	$1,000,000
0	C	38390	17	North Coast County Water Dist	4110025	010	8000 ft of distribution piping is seismically unstable and is connected to the Christen Hill Tank that serves a major portion of the distribution system.	Construct 8000 ft of seismically hardened piping on the west side of the fault. Additional modifications to pipe crossings.	2009	$3,090,000
0	C	38390	17	North Coast County Water Dist	4110025	002	Need alternate water supply in case of emergency.	Construct intertie with the City of San Bruno which will be second source of supply.	1999	$3,125,000
0	C	38390	17	North Coast County Water Dist	4110025	009	6,000 ft of 21in transmission main is constructed above the San Andreas Fault. Severe damage is expected when the fault moves; it is anticipated to move six to twelve feet during a major earthquake.	Project replaces the existing piping with a seismically hardened 24in ductile iron pipeline. Six isolation valve/transition assemblies will be constructed that isolates damaged pipe and transition flow to above ground after emergency piping installation.	2007	$2,100,000
0	C	38390	17	North Coast County Water Dist	4110025	003	Need alternate water supply line for a service area in case of an emergency.	Construct loof to bring second supply line to this area.	1999	$425,000
0	C	38390	17	North Coast County Water Dist	4110025	004	Wooden tank has leakage abd a roof in poor condition.	Abandon tank and construct ne waterline to serve area.	1998	$250,000
0	C	38390	17	North Coast County Water Dist	4110025	001	Wooden tank has leakage and a roof in poor condition.	Replace wooden tank with new steel .	1998	$818
0	C	38390	17	North Coast County Water Dist	4110025	008	Christen Hill Tank is seismically unstable.	Replace tank.	2007	$7,500,000
0	C	40165	17	City of San Bruno	4110023	007	Need emergency power supply at booster pump stations and wells.	Purchase five trailer mounted portable diesel powered electrical generators that would be stationed at each well head.	1998	$300,000
0	C	40165	17	City of San Bruno	4110023	003	Storage reservoir needs to be upgraded with seismic retrofitting and recording.	Upgrade the existing dome ring with high strength threadbars and floating anchors placed outside the existing dome ring. Upgrade wall prestressing, Rehabilitate the footing base connected to withstand seismic loads.	1998	$487,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	44831	6	CAMARILLO WATER DEPT	5610019	003	Inadequate storage capacity causes Water Works standards violation.	Construct a 4 MG water storage reservoir which will provide peak storage capacity for pressure zones 1 and 2.	1998	$4,804,000
0	C	45892	4	City of Brentwood	0710004	020	Limited ground water supply is vulnerable to agricultural contamination	Construct a SWTP, treated water pump station, and pipeline to serve treated water to Brentwood	2005	$25,000,000
0	C	46125	7	CAL/AM WATER COOMPANY - SAN MARINO	1910139	002	The Ivar Well is out of service due to PCE levels that exceed the MCL. (See attached data)	Design and construct GAC treatment plant and all other appurtenant piping and equipment.	2000	$850,000
0	C	46125	7	CAL/AM WATER COOMPANY - SAN MARINO	1910139	001	The Longden Well is out of service due to nitrate levels that exceed the MCL.	(See attached description, design report, and preliminary plans and specifications).	1998	$600,000
0	C	46242	15	GSWC - NORWALK	1910098	001	DACE WELL IS OFF LINE DUE TO TCE > 5 PPB	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT DACE SITE.	1998	$300,000
0	C	46242	15	GSWC - NORWALK	1910098	003	OLD CAST IRON PIPES WITH BIO-GROWTH AND POTENTIAL NITRIFICATION PROBLEM.	CEMENT LINING WATER MAINS IN CRITICAL AREAS.	1998	$320,000
0	C	46242	15	GSWC - NORWALK	1910098	004	UNDERSIZED PIPES (<4") THAT DO NOT COMPLY WITH WATERWORKS STANDARDS	REPLACE WATER MAINS IN CRITICAL AREAS	1998	$600,000
0	C	46242	15	GSWC - NORWALK	1910098	005	UNABLE TO DISINFECT 2 MWD CONNECTIONS	INSTALL CHLORINATION TURNOUTS AT MWD CONNECTION	1998	$30,000
0	C	46242	15	GSWC - NORWALK	1910098	002	3 STANDBY WELLS AT IMPERIAL SITE HAVE 1,1-DCE > MCL	INSTALL PAT OR GAC FACILITIES FOR VOC REMOVAL AT IMPERIAL SITE.	1998	$300,000
0	C	46362	7	SUBURBAN WATER SYSTEMS - LA MIRADA	1910059	002	PHASE 2 OF 2: RESERVOIR 408 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 2 OF 2: REPLACE ROOF	1999	$850,000
0	C	46362	7	SUBURBAN WATER SYSTEMS - LA MIRADA	1910059	001	PHASE 1 OF 2: RESERVOIR 408 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 1 OF 2: DEMOLITION AND PREPARATION WORK	1999	$850,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	002	Old, substandard mainline	Replace mainline	1999	$1,000,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	008	Inadequate source capacity	Construct new booster facility	1998	$200,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	006	Inadequate storage	Construct new reservoir	1999	$800,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	005		Design new reservoir	1998	$400,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	003	Inadequate source capacity	Construct new well	1999	$200,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	001	Old, substandard mainline	Replace mainline	1998	$1,000,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	004	Inadequate source capacity	Construct new well	2000	$800,000
0	C	48418	13	RIALTO-CITY	3610038	001	Roof leaks on reservoirs	Construct new reservoir	1998	$6,000,000
0	C	49000	5	Soquel Creek Water District	4410017	010	Additional storage tank needed to meet high demands and prevent water quality problems.	Install reservoir - 50,000 gallon welded steel tank.	1998	$900,000
0	C	49000	5	Soquel Creek Water District	4410017	019	Distribution pipe replacement at Monroe Ave.	Replace distribution pipes.	2000	$735,700

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	49000	5	Soquel Creek Water District	4410017	023	Distribution pipe replacement at Shoreview, Wixon and Moosehead.	Replace pipes.	2001	$2,186,000
0	C	49000	5	Soquel Creek Water District	4410017	001	Refinance of the replacement of tanks and water mains.	Projects were constructed after 7/93--design and permit costs came before 7/93.	1998	$4,000,000
0	C	49000	5	Soquel Creek Water District	4410017	011	Redwood storage tank is old and leaking - causing water quality and maintenance problems.	Replace reservoir with 500,000 gallon steel reservoir at Vista Del Mar Site.	1998	$520,000
0	C	49000	5	Soquel Creek Water District	4410017	025	Distribution pipe replacement at Humes and Los Altos.	Replace pipes.	1999	$2,011,400
0	C	49000	5	Soquel Creek Water District	4410017	022	Distribution pipe replacement at Vienna Woods.	Replace pipes.	2000	$1,989,000
0	C	49000	5	Soquel Creek Water District	4410017	021	Distribution pipe replacement at Rio Del Mar.	Replace pipes.	1999	$866,400
0	C	49000	5	Soquel Creek Water District	4410017	016	Transmission main replacement at Soquel Center and Bridge.	Replace pipes.	2002	$2,021,400
0	C	49000	5	Soquel Creek Water District	4410017	017	Transmission main replacement at Huntington and Wallace.	Replace pipes.	1998	$819,300
0	C	49000	5	Soquel Creek Water District	4410017	018	Distribution pipe replacement at Aptos Business District.	Replace problem pipes.	1998	$1,440,000
0	C	49000	5	Soquel Creek Water District	4410017	020	Distribution pipe replacement at La Selva Beach.	Replace pipes.	1998	$2,553,800
0	C	49000	5	Soquel Creek Water District	4410017	024	Distribution pipe replacement at Center St., Rio Del Mar flats.	Replace pipes.	2002	$957,800
0	C	49496	12	Porterville, City of	5410010	007	Well L-3 exceeds nitrate MCL and is shut off. The well produces about 300 gpm.	Design and construct wellhead treatment facilities (ion exchange).	2005	$650,000
0	C	50800	8	El Toro Water District	3010079	005	Deteriorating floating cover	Replacement of floating cover	2002	$4,500,000
0	C	50800	8	El Toro Water District	3010079	004	No backup sources of supply	Drilling wells and conveyance system	2001	$4,500,000
0	C	52787	7	GSWC-SAN DIMAS	1910142	001	3850' OF WATER MAINS LESS THAN 4" IN DIAMETER THAT DO NOT COMPLY WITH TITLE 22, SECTION 64628 (a)	REPLACE UNDERSIZED MAINS OVER A 2 YEARS PERIOD	1998	$385,000
0	C	53000	7	GLENDORA-CITY, WATER DEPT.	1910044	001	Well 7G Vosberg has been out of service for the presence of VOC's since 1980. The shutdown has caused the City to purchase more expensive imported treated water.	Utilize a VOC preliminary study to begin design and eventually construct a treatment facility to have the opportunity to pump from the main basin, offsetting import water costs. FY: 98/99 or 99/00	1998	$800,000
0	C	53000	7	GLENDORA-CITY, WATER DEPT.	1910044	002	Reliability. A single 20 inch, 77-year old revited steel transmission line is developing a leak history. The City of Glendora receives 70% of its supply through this 3.8 miles main.	Replace the 20" line with a 30" Ductile Iron line with greater volume and pressure for fire protection as well as providing more well water and less reliance on import treated.	1998	$4,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	54382	4	CALIFORNIA WATER SERVICE - LIVERMORE	0110003	001	Contaminated standby well in this system, with Nitrates in excess of the MCL. They operate using a blending to reduce the nitrate concentration delivered to the system.	Stations 10, 12, 17, and 19. Design and construct blending controls to assure proper operation of facilities, so that standards are met at all times.	1999	$120,000
0	C	55000	13	City of Chino Hills	3610036	014	Inadequate source capacity resulting in service connection limitation	Construct new main to Reservoir R-23	1999	$65,000
0	C	55000	13	City of Chino Hills	3610036	001		Construct new 30 in mainline	1998	$1,000,000
0	C	55000	13	City of Chino Hills	3610036	003		Replace undersized transmission line	1998	$1,050,000
0	C	55000	13	City of Chino Hills	3610036	005		Construct 5 MG reservoir R21	1998	$2,500,000
0	C	55000	13	City of Chino Hills	3610036	006		Construct reservoir R23	1998	$1,125,000
0	C	55000	13	City of Chino Hills	3610036	008		Construct new booster station to supply R21	1999	$1,000,000
0	C	55000	13	City of Chino Hills	3610036	009		Construct new booster station B-11	2000	$3,125,000
0	C	55000	13	City of Chino Hills	3610036	010		Replace older transmission mains	1998	$625,000
0	C	55000	13	City of Chino Hills	3610036	011		Drill 8 to 14 new wells	1998	$5,390,000
0	C	55000	13	City of Chino Hills	3610036	019		Upgrade Carbon Cyn PRV	2000	$125,000
0	C	55000	13	City of Chino Hills	3610036	013		Construct new main to Reservoir R-19 and R-20	1998	$475,000
0	C	55000	13	City of Chino Hills	3610036	015		Construct 2 MG reservoir R22	2000	$1,125,000
0	C	55000	13	City of Chino Hills	3610036	016		Construct new 24inch transmission line Schaefer Ave	1999	$700,000
0	C	55000	13	City of Chino Hills	3610036	017		Modify existing booster station B-7	2000	$1,625,000
0	C	55000	13	City of Chino Hills	3610036	018		Loop mainlines	2001	$280,000
0	C	55000	13	City of Chino Hills	3610036	020		Loop mainlines	2001	$160,000
0	C	55000	13	City of Chino Hills	3610036	021		Construct new main to supply R-22	2001	$45,000
0	C	55000	13	City of Chino Hills	3610036	022		Modify booster B-1	1998	$1,500,000
0	C	55000	13	City of Chino Hills	3610036	023		Expand boosters B-5 and B-6 for backup capacity	1998	$750,000
0	C	55000	13	City of Chino Hills	3610036	024		Expand booster B-9 for backup capacity	1998	$1,000,000
0	C	55000	13	City of Chino Hills	3610036	012		Construct new 24inch main in Central Ave to increase capacity	1998	$775,000
0	C	56000	18	North Marin Water District	2110003	015	Surface WTP lacks emergency power.	STUDY NEEDS, IMPLEMENT AS APPROPRIATE.	2001	$100,000
0	C	57950	17	CWSC Los Altos Suburban	4310001	002	Inactive wells (21-01, 26-01, 1-02, 25-01) need nitrate treatment.	Design and construct a nitrate treatment facility and appropriate piping system.	2001	$1,500,000
0	C	57950	17	CWSC Los Altos Suburban	4310001	001	Inactive wells (2-02, 2-03, 6-02, 16-02, 22-01) need nitrate treatment.	Design and construct a nitrate treatment facility and appropriate piping system.	1999	$1,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	58000	14	Olivenhain MWD	3710029	001	The regional imported treated aqueduct system will reach capacity in the year 2000/2001. In order to avoid rationing of treated water and ensure system reliability, a new treatment plant must be built immediately.	Olivinahain has completed all environmental studies and received all state and federal permits for 82 MGD plant. Pilot studies shall be commenced in early summer of 1997.	1998	$30,000,000
0	C	58823	20	Indio Water Authority	3310020	002	The City of Indios water system is supplied entirely by the Coachella Valley Ground Water Basin. The water system source is derived from 18 ground water wells. The system includes four groundwater production plants that each incorporates two wells at P	The existing Plant 2 site is located on Crown Way. The existing facility consists of Well 2C and Well 2D. Well 2D is located at the Plant 2 facility, while Well 2C is located off-site and pumps to the site. The site also contains a 2 million gallon abo	2009	$10,609,500
0	C	58823	20	Indio Water Authority	3310020	001		The proposed 4 million gallon reservoir will be constructed at 40' elevation with two new pipelines connecting the reservoir to the existing water distribution lines. The Indio Water Authority (IWA) proposes to award a contract for the first phase of	2009	$10,000,000
0	C	62000	17	City of Palo Alto	4310009	004	More storage is necessary for emergency water supply. Current city wells need repairs and treatment.	Install variable frequency drives and water treatment to connect wells to standby wells.	1998	$1,200,000
0	C	62000	17	City of Palo Alto	4310009	002	Alternate source of water needs to be constructed.	Extend a SCVWD line from Mt. View to Palo Alto along the Foothill Expressway.	1998	$3,000,000
0	C	62000	17	City of Palo Alto	4310009	008	Needs improvement on transmission lines.	Contract a new intertie to Hetch-Hetchy Division tubes 3 & 4 to add second feed into Hospital Zone.	1998	$1,800,000
0	C	62000	17	City of Palo Alto	4310009	001	Water mains are aging and need to be replaced. Main breaks cause customer service problems.	Replace water mains.	1998	$2,200,200
0	C	62000	17	City of Palo Alto	4310009	005	System's ability to utililize stored water needs to be improved.	Construct a new return pipe from Montbello reservoir to pressure zone 1.	1998	$2,000,000
0	C	62000	17	City of Palo Alto	4310009	006	System's water storage needs improvement.	A two million gallon reservoir is needed to improve storage.	1998	$4,000,000
0	C	62100	8	City of Tustin	3010046	001	Aged reservoir could cause contamination (foothill)	Removing soil from the roof and installation a waterprood cement based slurry on the roof deck. The columns will be repaired by providing additional ties, vertical reinforcement and concrete cover around the columns. Ret.walls will be removed and rep	1998	$476,000
0	C	62100	8	City of Tustin	3010046	004	Aged Simon Ranch reservoir could cause contamination.	Repairs will consist of installing a new top slab on the existing reservoir along with repairs to the columns and roof beams. A hypalon liner is proposed for the floor and side slopes of the reservoir after the existing roots have been removed and th	1998	$670,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	62100	8	City of Tustin	3010046	002	Aged reservoir could cause contamination. (Rawlings)	The City is proposing to construct a new concrete reservoir with a capacity of 7.0 MG	1998	$6,600,000
0	C	63188	7	SUBURBAN WATER SYSTEMS WHITTIER	1910174	001	PHASE 1 OF 2: RESERVOIR 216 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 1 OF 2: DEMOLITION AND PREPARATION WORK	2001	$950,000
0	C	63188	7	SUBURBAN WATER SYSTEMS WHITTIER	1910174	002	PHASE 2 OF 2: RESERVOIR 216 HAS AN OLD CORRUGATED METAL ROOF THAT HAS DETERIORATED BEYOND REPAIR	PHASE 2 OF 2: CONSTRUCTION OF A NEW ROOF	2002	$550,000
0	C	64000	7	MONTEREY PARK-CITY, WATER DEPT.	1910092	008	The City of Monterey Park currently owns, operates and maintains approximately 134 miles of water distribution mains. Many of these mains have been in service since they were originally put into service in the 1920s. In addition to the age of our distri	The proposed project will replace approximately 2 miles of undersized and old water mains per our adopted Water Master Plan. The project will reduce the possibility of water main failures, reduce damage to streets and private property and remove large am	2007	$1,312,000
0	C	64215	10	Turlock, City of	5010019	001	System has no storage.	Design and construct two above ground water storage tanks and related pump stations	2005	$2,000,000
0	C	65000	6	CASITAS MUNICIPAL WATER DIST	5610024	003	Pipeline breaks during storm events. Does not comply with Water Works standards.	Coastal pipelione from a location near city of ventura, extending northward and connecting the coastal communities.	1998	$8,000,000
0	C	65000	6	CASITAS MUNICIPAL WATER DIST	5610024	001	Needs water storage on the Rincon system to comply with Water Works standrads.	Construction of a 2 MG water storage tank on the Rincon Main.	1999	$2,000,000
0	C	66000	10	MANTECA, CITY OF	3910005	003	The water lines in the project area are 6-inch diameter lines that have limited connections to larger water distribution lines. As a result of the limited connections to larger water lines the area experiences low water pressures. The pressure can be le	The Lincoln Water Line Extension involves the installation of 3,850 linear feet of 12-inch water line with 5 connections to existing 6-inch water lines and connections to existing 12-inch lines at ends of the the extention.	2008	$792,000
0	C	66000	10	MANTECA, CITY OF	3910005	004	This project will replace small diameter water lines that are 80 to 90 years old. The size and age of the water lines result in low service pressures in the area. Some of the pipe materials, wrought and cast iron, can contribute to red water compliants	The project will replace 5,400 feet of small diameter water line (4 inches or smaller) with 6-inch diameter line. 155 service connections will be relocated in the project.	2009	$477,000
0	C	66000	10	MANTECA, CITY OF	3910005	001	This project will replace small diameter water lines that are 80 to 90 years old. The size and age of the water the water lines result in low service pressures in the area. Some of the pipe materials, wrought and cast iron, can contribute to red water c	The project includes the installation of 200 linear feet of 4-inch water line, 1,450 linear feet of 6-inch water line and 6,900 linear feet of 8-inch water line. 85 water services will be replaced and 134 water services relocated as part of the water lin	2008	$1,769,000
0	C	68380	22	CALIFORNIA WATER SERVICE CO. - PALOS VER	1910104	001	COMPLETELY RELIANT ON MWD AND IT'S SINGLE TRANSMISSION MAIN FOR 90% OF THE WATER SUPPLY.	DESIGN AND CONSTRUCT A SECOND LIFT TRANSMISSION MAIN TO PROVIDE GREATER RELIABILITY OF THIS COMMUNITY'S WATER SUPPLY.	2000	$3,200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	70000	22	LAS VIRGENES MWD	1910225	002	A 30" pipeline (37 years old) has been encroached on by development of housing tracks. New homes being built over the pipe and large portions of the pipe being covered up to 60 feet in depth.	Install approximately 4 - 5 miles of a replacement pipe in street right of way. Project involves: Study, Design, and Construction	2000	$4,500,000
0	C	70000	22	LAS VIRGENES MWD	1910225	001	A 14" waterline feeding the Saddle Peak Tank has been subjected to earth movement and landslides. As a result, a temporary above ground pipeline has been installed until funding is available for permanent replacement.	Evaluate the potential new pipe alignments and construct a permanent replacement pipeline. Project involves: Study, Design, and Construction	1998	$1,500,000
0	C	76000	17	City of Mountain View	4310007	015	The Whisman pump station was upgraded with new drive motors, automated controls, etc.	Design and construction of upgrades of pump station - variable frequency drive motors, automated controls, standby power, etc.	1998	$1,749,000
0	C	76000	17	City of Mountain View	4310007	013	Automatic valves and a waste cycle were installed at Well #9.	Installed automatic valves, a variable frequency drive, and a waste cycle at Well #9.	1998	$170,000
0	C	76000	17	City of Mountain View	4310007	006	Certain water mains in the city are old and deteriorating. They are also undersized.	Water main replacement throughout the water system.	1998	$13,900,000
0	C	76000	17	City of Mountain View	4310007	011		Upgrading older, smaller diameter, and deteriorating mains from 1993-1996.	1998	$2,457,000
0	C	76000	17	City of Mountain View	4310007	008	The City needs to increase water storage capacity.	Construction of a new 2.1 million gallon reservoir.	1998	$2,200,000
0	C	76000	17	City of Mountain View	4310007	003	Well #18 collapsed so City constructed new well #21 at site of old well #18.	Design and construction of well #21 for pressure zone 1 of water system.	1998	$375,000
0	C	76000	17	City of Mountain View	4310007	002	The city has inadequate storage capacity.	Design and construct two new wells and one new reservoir to meet demand.	1998	$110,000
0	C	76000	17	City of Mountain View	4310007	001	The city needs two new groundwater wells.	Construction of the wells.	1998	$1,100,000
0	C	76000	17	City of Mountain View	4310007	007	The City needs to increase water storage capacity.	Prepare environmental and construction documents to install a new 2.1 million gallon reservoir.	1998	$307,000
0	C	76000	17	City of Mountain View	4310007	014	Obsolete equipment at the Miramonte pump station was upgraded.	Design and construction of upgrade of Miramonte pump station.	1998	$852,000
0	C	79959	3	Napa, City of	2810003	003	Inadequate water storage.	Construct new 5 MG treated water reservoir at the Napa State Hospital site.	2000	$3,080,000
0	C	79959	3	Napa, City of	2810003	004	Inadequate storage.	Construct new 4 MG treated water storage reservoir at the "A" tank site.	1999	$2,000,000
0	C	92870	8	City of Westminster	3010064	014	Loss of City's only 10-million gallon capacity storage reservoirs due to rupture in September 1998, resulting in Waterworks Standards violation.	Construct two above-ground steel storage tanks, pumphouse, and associated water lines. Since the proposed project site is on a 2.56 acre, there is space available for construction of a new well.	2001	$5,600,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	92870	8	City of Westminster	3010064	013	WW standard defects. The Orange County Fire Authority is requiring a treatment system be installed to handle the accidental release of chlorine gas at nine well sites and two pumping stations .	Replace gaseous chlorine with on- site chlorine generating stations at 9 well sites and 2 pumping stations thus eliminating the accidental release of chlorine gas.	2000	$330,000
0	C	92870	8	City of Westminster	3010064	001	WW standard defects Pressure fluctuations in water system.	Install new 12" pipe to improve flow and loop the water system .	2000	$50,000
0	C	92870	8	City of Westminster	3010064	011	WW standard defects. Leaking and inoperable water main line valves in the water system to improve water system flow and maintain system water quality.	Replace 750 leaking and inoperable water main line valces over a five year period.	1998	$450,000
0	C	92870	8	City of Westminster	3010064	010	WW standard defects.Inadequate sized (4") deteriorating water main lines in section of City called "Indian Village".	Replace approx 18,380 feet of 4" water main lines with 8" water main lines to improve water flow and pressure.	1998	$2,678,877
0	C	92870	8	City of Westminster	3010064	003	WW standard defects. Reservoirs (2) built prior to seismic standards.	Perform a seismic study of Reservoir 1 and Reservoir 2.	1998	$100,000
0	C	92870	8	City of Westminster	3010064	006	Ww standard defects SCADA: Pressure differential between different areas of the City.	Install a SCADA system to improve pressure system wide, accommodate MWD MWDOC and OCWD, and to assist in the "Seasonal Storage Program".	2000	$200,000
0	C	94370	6	CITY OF SANTA BARBARA WATER DEPARTMENT	4210010	003	Floating Cover failure at the City's Escondido Reservoir	Provide covered reservoir storage	2001	$4,000,000
0	C	100202	16	WALNUT VALLEY WATER DISTRICT	1910234	002	NUMEROUS DEAD-END MAINS AND INSUFFICIENT FLUSHING FACILITIES IN OLDER AREAS OF THE DISTRICT THREATEN THE RISK OF POOR QUALITY, STAGNANT WATER BEING CONSUMED.	INSTALL CORRECTLY SIZED BLOW-OFF FACILITIES, REMOVE DEAD-END MAINS THAT SERVE NO PURPOSE.	1998	$348,000
0	C	100202	16	WALNUT VALLEY WATER DISTRICT	1910234	001	LACK OF FLOW-THROUGH CAPACITY AT RESERVOIR SITES CAN LEAD TO NITRIFICATION PROBLEMS IN THE STORED WATER	INSTALL NEW PIPING AND VALVES AT THE RESERVOIR SITES TO FORCE FLOW-THROUGH AND KEEP WATER FRESH	1998	$1,418,000
0	C	103423	4	SAN FRANCISCO INT L. AIRPORT	3810010	002	No storage or backup water supply. San Francisco Water Dept. unable to send us water.	Clean and refurbish a fire protection storage tank for ise in an emergency as a potable water source.	2002	$250,000
0	C	103423	4	SAN FRANCISCO INT L. AIRPORT	3810010	001	No storage or backup water supply for emergency	Clean and refurbish a fire protection storage tank for a potable water storage tank for emergency use.	2001	$250,000
0	C	105831	17	City of Santa Clara	4310012	001	The well heads and related equipment need to be rebuilt.	Demolish and reconstruct 11 well heads.	1998	$1,275,000
0	C	105831	17	City of Santa Clara	4310012	002	City needs automated shutoff valves at seven existing reservoirs and needs ground motion sensors and motorized valves.	Purchase and install ground motion sensors and motor activated valves at seven tank outlets. This will include ancillary pipe reconstruction and SCADA expansion.	1998	$1,050,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	107323	16	DOWNEY - CITY, WATER DEPT.	1910034	002	Refinance. Low pressure, undersized mains in area bounded by Firestone Blvd., Lakewood Blvd., and Stewart & Gray Rd.	Designed and constructed 12 inch water distribution mains.	1998	$42,100
0	C	107323	16	DOWNEY - CITY, WATER DEPT.	1910034	003		Designed and constructed 12 inch water distribution mains.	1998	$223,263
0	C	107323	16	DOWNEY - CITY, WATER DEPT.	1910034	004		Designed and constructed 12 inch water distribution mains.	1998	$121,851
0	C	107323	16	DOWNEY - CITY, WATER DEPT.	1910034	001		Designed and constructed 12 inch water distribution mains.	1998	$414,529
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	011	City's primary source, Ventura River water supply needs to be better utilized on the eastside of city. Large transmission mains do not exist to move water east to west and is operating vary inefficiently.	Design and Construct 8,400 linear feet of 18-inch diameter water transmission pipeline from Main/Callens Road to Telephone/Victoria Ave. Connect existing 18-inch 330 pipeline to existing 30-inch 330 mainline.	2003	$1,818,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	009	Disinfectant being changed from free chlorine to chloramines in 2002. City has 13 zones with varying detention times at different rates. Some tanks have common inlet/outlets and may be prone to nitrification	Design and construct improvements to remove 5 common inlet and outlet tanks or other means to increase mixing in tanks. Purchase 2 potable chlorine disinfection trailers for emergency response.	2003	$507,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	010	Eastside of city has insufficient water supply,treatment reliability & redundant capabilities. Water Outages caused by operational difficulties and/or limited fire supply could occur resulting in Total Coliform Rule violations.	Design and construct, new Saticoy well #3, connect pipelines, upgrade and expand existing Saticoy Fe & Mn TP from 4 MGD to 8 MGD.	2003	$4,735,000
0	C	113880	22	TORRANCE-CITY, WATER DEPT.	1910213	001	WW standards defect. Reliability of aging Yukon Pumping Station. The Pumping Station should be rehabilitated. The station is below ground and site access and safety are major concerns.	Construct a new above-grade pumping station that complies with current OSHA safety requirements and provides more groundwater pumping capacity. Project involves: Design, and Construction	1998	$1,240,000
0	C	113880	22	TORRANCE-CITY, WATER DEPT.	1910213	004	WW standards defect. Old water mains are in need of replacement.	Institute a phased pipeline improvement program to replace pipelines having a history of frequent breaks, are beyond their useful life or are failing due to other external factors such as ccorrosive soils. Project involves: Design, and Construction	1998	$13,208,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	007	Reliability. Dumping into Palmdale Ditch may affect quality of water taken into Palmdale Reservoir. (See Executive Summary of June, 1993 Palmdale Watershed Sanitary Survey.)	Enclose approximately 2000 feet of Palmdale Ditch between Barrel Springs Road and Palmdale Reservoir adjacent to existing development.	1998	$600,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	006		Enclose approximately 1000 feet of Palmdale Ditch adjacent to an existing trailer park. Project involves: Design to solve problem, and Construction	1999	$300,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	001	Poor reliability of leased telephone lines used for SCADA system.	Replace leased lines with broad-spectrum radio communication.	1998	$180,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	121420	20	Elsinore Valley MWD	3310012	007	Elsinore Valley Municipal Water District (EVMWD) obtains its potable water supplies from local groundwater, local surface water from Canyon Lake, and imported water from the State Water Project and the Colorado River via the Metropolitan Water District of	The UV Disinfection Project (Project) consists of constructing two parallel in-line UV Generators with a capacity of 9 mgd in the finished water piping between the filter gallery and chlorine contact tank at the Canyon Lake Water Treatment Plant for prima	2008	$2,000,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	007	PHASE 2 OF 2: RESERVOIR 130 AND 141 ARE AT THE END OF THEIR USEFUL LIFE AND HAVE STRUCTURAL AND SANITARY CONCERNS.	PHASE 2 OF 2: CONSTRUCTION AND SITE WORK	2001	$900,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	006	PHASE 1 OF 2: RESERVOIR 130 AND 141 ARE AT THE END OF THEIR USEFUL LIFE AND HAVE STRUCTURAL AND SANITARY CONCERNS.	PHASE 1 OF 2: DEMOLITION AND GRADING	2000	$700,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	001	WELL 105 W-1 HAD RE-OCCURING COLIFORM PROBLEM AND WAS SHUT DOWN FOR TREATMENT. DURING TREATMENT, THE NITRATE LEVEL HAD DEVELOPED TO THE MCL LEVEL.	DRILL A 2000 GPM REPLACEMENT WELL	1998	$975,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	004	PHASE 2 OF 3: RESERVOIR 121 R-1 IS AT THE END OF ITS STRUCTURAL LIFE.	PHASE 2 OF 3: DEMOLITION OF THE EXISTING RESERVOIR AND CONSTRUCTION OF A NEW 2 MG CONCRETE RESERVOIR	1999	$980,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	003	PHASE 1 OF 3: RESERVOIR 121 R-1 IS AT THE END OF ITS STRUCTURAL LIFE.	PHASE 1 OF 3: CONSTRUCT A 1 MG CONCRETE RESERVOIR	1998	$950,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	002	2 OUT OF 3 WELLS IN 660 ZONE ARE SHUT DOWN DUE TO WATER QUALITY CONCERNS. REPLACEMENT WELL IS NEEDED TO PREVENT WATER SHORTAGES.	DRILL A 3500 GPM WELL TO REPLACE LOST CAPACITY	1999	$990,000
0	C	134996	7	SUBURBAN WATER SYSTEMS SAN JOSE	1910205	005	PHASE 3 OF 3: RESERVOIR 121 R-1 IS AT THE END OF ITS STRUCTURAL LIFE.	PHASE 3 OF 3: SITE WORK SUCH AS DRIVEWAYS AND TREES TO COMPLETE PROJECT	2000	$350,000
0	C	138717	16	ANTELOPE VALLEY-EAST KERN WATER AGENCY	1910045	001	NEED TO ENLARGE CLEARWELLS AND STORAGE TO MEET CT REQUIREMENT AND ACCOMMODATE DAILY FLUCTUATION IN DEMAND	ADD ONE 9 MG CLEARWATER RESERVOIR FOR A TOTAL OF 18 MG STORAGE AT A 65 MGD WATER TREATMENT PLANT	2000	$1,800,000
0	C	146398	4	CITY OF HAYWARD	0110006	044	improve fire suppression capacity and water quality	Replace 8" water line at Golf course Access Rd to loop to existing 12" water line at the Hayward Airport	2004	$655,000
0	C	146398	4	CITY OF HAYWARD	0110006	045	improve fire suppression capacity in 330 pressure zone	Install 5,200 LF of new 12" water lines and a new Pressure Regulating Station	2004	$1,205,000
0	C	146398	4	CITY OF HAYWARD	0110006	046	40 year old water mains in poor condition	Replace 900 liniear feet of 8" PVC at Browning & Chrisholm Courts	2004	$144,000
0	C	146398	4	CITY OF HAYWARD	0110006	043	Need to increase fire suppression capacity	Install parallel water line near BART tracks between Haymand St and Whippie Rd	2004	$640,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	146398	4	CITY OF HAYWARD	0110006	041	Vulnerability to damage from seismic events	Make miscellaneous seismic improvements on the existing water system.	2004	$500,000
0	C	155000	8	Santa Margarita Water District	3010101	001	Existing private wells are assumed to be producing ground water under the influence of surface water in San Juan Creek.	Design and construction of new wells, treatment facilities, storage tank and piping systems to serve public and private systems along upper San Juan Creek area.	1998	$6,460,000
0	C	157394	10	City of Stockton	3910012	008	Decreasing availability of groundwater and current surface water supplies.	Construct new surface water treatment plant to treat Sacramento-San Joaquin River Delta water for Stockton.	2006	$121,000,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	008	ANALYSIS AFTER DRILLING OF WELL #24 REVEALED HIGH NITRATE AND OTHER CHEMICALS	CONSTRUCT PIPELINE TO TAKE WATER FROM WELL SITE TO MEET MANIFOLD PIPELINE AND THEN TO ANION EXCHANGE NITRATE REMOVAL FACILITY	1998	$160,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	007	NITRATE LADEN WELL WATER	MANIFOLD PIPELINE WAS CONSTRUCTED TO GATHER NITRATE LADEN WATER FROM VARIOUS WELL SITES TO THE ANION EXCHANGE NITRATE REMOVAL FACILITY.	1998	$576,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	003	WELL #1, 7, AND 8 CONTAIN VOC'S	INSTALL AIR STRIPPERS	2000	$209,500
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	002	ANALYSIS AFTER DRILLING WELL #36 REVEALED HIGH NITRATE AND OTHER CHEMICALS	CONSTRUCT PIPELINE TO TAKE WATER FROM WELL SITE TO MEET MANIFOLD PIPELINE AND THEN TO ANION EXCHANGE NITRATE REMOVAL FACILITY	1998	$222,000
0	C	164400	15	PASADENA-CITY, WATER DEPT.	1910124	001	THE PARTIALLY BURIED, CONCRETE LINED, PRE-1920 SUNSET 1 RESERVOIR IS STRUCTURALLY UNSOUND, UNRELIABLE AND IN GENERALLY POOR CONDITION. IT NEEDS ROOF REPLACEMENT AND SEISMIC AND GENERAL STRUCTURAL UPGRADES.	REPLACE WITH A NEW, BURIED, POST-TENSIONED 7.5 MG CONCRETE RESERVOIR AND MAKE NECESSARY CHANGES TO THE DISTRIBUTION SYSTEM AT THE RESERVOIR SITE.	1998	$5,500,000
0	C	166661	8	Moulton Niguel Water District	3010073	006	Reliability of 14" main, experiencing aggressive corrosion.	Construction of a new 16-inch parallel pipeline in Crown Valley Parkway.	2001	$4,000,000
0	C	166661	8	Moulton Niguel Water District	3010073	001	Emergency storage reliabilty deficient in volume.	Construct 100 million gallon drinking water storage facility	2000	$14,000,000
0	C	166661	8	Moulton Niguel Water District	3010073	002	Reliability of aging pjpes(used in looping the system in erroding slopes).	Replace easement pipelines with ductile iron pipe with restraint joints, increasing reliability.	2001	$3,000,000
0	C	166661	8	Moulton Niguel Water District	3010073	003	Water works standard defects. Proximity of sewer forcemain from Joint Regional Wastewater Treatment Plant.	Construction of a new 24" forcemain in a new safe location.	2001	$3,000,000
0	C	166661	8	Moulton Niguel Water District	3010073	005	Water works standard defects.Proximity of undersized sewers in Crown Valley Pkwy.		1998	$2,500
0	C	166661	8	Moulton Niguel Water District	3010073	008	Reliability of local water supply. Must import 100% currently.	Drill two wells to provide up to 2 cfs of water for health and safety demands during a long term outage.	1999	$2,300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	166661	8	Moulton Niguel Water District	3010073	004	Water works standard defects. Proximity of undersized sewer force main (Crown Valley Pkwy & lower salada)	Constructing a new parallel sewer forceman in Crown Valley Parkway.	2001	$2,000,000
0	C	190800	18	Marin Municipal Water District	2110002	001	Older redwood tanks do not meet seismic standards.	replace any average two tanks a year. With other types of storage,	2003	$3,000,000
0	C	190800	18	Marin Municipal Water District	2110002	002	Floating cover does not meet seismic standards.	Replace floating cover and configuration.	1999	$1,000,000
0	C	200000	4	Contra Costa Water District	0710003	006	Rehabilitation distribution reservoirs that have structural deficiencies.	Plan, design and construct structural improvements.	1998	$7,000,000
0	C	200000	4	Contra Costa Water District	0710003	003	Construct new raw water intakes and pipelines to be seismic resistant.	Construction of a new 48-inch diameter pipeline parallel to the existing pipeline and a new inlet structure.	1998	$1,700,000
0	C	200000	4	Contra Costa Water District	0710003	015	Significant leakage history. Undersized fire service capacity; corrosion problems.	Replace existing pipes which experience significant leak repair incidents; or undersized fire flow and distribution capacity; relocation of existing pipelines as legally required.	2000	$9,844,000
0	C	200000	4	Contra Costa Water District	0710003	008	Repair aging water mains that are causing distribution leak and pressure problems.	Replace mains on a prioritized basis.	1998	$2,000,000
0	C	200000	4	Contra Costa Water District	0710003	007	Repair water storage facilities that are causing distribution pressure and reliablity problems.	Nineteen storage projects will be implemented over a ten year period to severe existing customers.	1998	$40,600,000
0	C	201000	8	City of Huntington Beach	3010053	007	Aged Overmyer reservoir could cause contamination.	Undertake structural improvements to bring the facility up to seismic standards.	1998	$3,000,000
0	C	201000	8	City of Huntington Beach	3010053	001	Aged and defected main distribution lines.	Water main replacement projects to replace old and deficient pipelines at various locations throughout the City.	1998	$2,000,000
0	C	201000	8	City of Huntington Beach	3010053	003	Lack of cathodic protection to metallic pipelines.	Installation of water treatment facilities at these well sites (possibly ozone or RO systems) should reduce or eliminate these problems.	1998	$5,000,000
0	C	201000	8	City of Huntington Beach	3010053	004	Lack of backup power at 6 well sites.	To construct emergency back-up systems for Well nos. : 5, 6, 9, 10, and 1. Also Emergency generator for Dyke Well(electric well)	1998	$400,000
0	C	201000	8	City of Huntington Beach	3010053	006	Lack of storage capacity	To develop additional reservoir facilities City-wide to make up the shortage of water storage capacity. This project will add approximately 10.4 million gall. of storage capacity, booster pump connection to the transmission main at a new reservoir si	1998	$10,000,000
0	C	201000	8	City of Huntington Beach	3010053	008	Defects on the existing chlorination facilities.	Modify the existing facilities and systems to meet code requirements and the City's standardized system wide chlorination requirements for existing and new facilities.	1998	$900,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	201000	8	City of Huntington Beach	3010053	005	Aged OC-9 OC-44 turnouts.	Construct flouridation system for two of the facilities (No 9 and No 44) and modify the existing facility (No35) to meet current requirements.	1998	$600,000
0	C	201000	8	City of Huntington Beach	3010053	009	Lack of Water source capacity.	Construct a replacement well facility . Proposed Well No. 12 is located in the vicinity of Peck Reservoir, where it is anticipated the water will be stored.	1998	$2,000,000
0	C	291398	20	Riverside, City of	3310031	002	The following table shows the range of the historical maximum concentration of contaminants in the project area.Contaminant Historical Maximum Range Maximum Contaminant Level (MCL) From To Dibrmochloropropane (DBCP) (ug/L) 0.02 7.62 0.2Nitrate, NO3 (	This project consists of maximizing the use of Palmyrita Well by providing treatment for nitrate at the existing regional Palmyrita Water Treatment Plant (PWTP). The PWTP currently treats four wells for the removal of dibromochloroproane (DBCP) using gra	2008	$5,700,000
0	C	324838	4	Alameda County Water District	0110001	005	The Tamarack zone is an upper zone without a storage tank	Construction of a new storage tank	2006	$1,750,000
0	C	324838	4	Alameda County Water District	0110001	001	Replace the existing aging infractructure by upgrading the Niles Alley Pipeline	Replace the existing aging infractructure by upgrading the Niles Alley Pipeline	2005	$1,000,000
0	C	324838	4	Alameda County Water District	0110001	006	Patterson Reservoir facilities are old and does not meet the current user demands	Upgrade inlet/outlet to improve mixing and turnover rate to reduce nitrification & improve water quality	2004	$830,000
0	C	998000	17	San Jose Water Company	4310011	003	Need to accelerate pipeline replacement rate.	Replace 20 miles of aging water mains.	1998	$20,000,000
0	C	1256951	14	San Diego - City of	3710020	057	RB pump station upgrade is needed to supply the current and projected demand growth in the 793 zone. The existing pump station is operating at capacity and is currently using all its four regular duty pumps and its one back-up pump tp meet existing deman	The RB pump station upgrade project includes the addition of pumping capacity to the existing 25 mgd capacity pump station.	2006	$8,000,000
0	C	1256951	14	San Diego - City of	3710020	055	Miramar WTP clearwell no. 2 does not comply with seismic code and suffers form considerable structural damage and needs to be replaced.	Demolish 30 million gallon clearwell no. 2 and replace with new prestressed concrete tanks which complies with current seismic code.	2012	$20,000,000
0	C	1300000	4	East Bay MUD	0110005	027	Hypochlorite Pump Improvements. All EBMUD Water Treatment Plants. New Hypochlorite feed pumps need to be installed at exisitng feed systems for all WTP's to improve reliability.	New Hypochlorite pumps will be installed in the existing disinfection systems to improve reliability as a result of this project.	2003	$700,000
0	C	1300000	4	East Bay MUD	0110005	007	Open-cut Reservoir Rehabilitation - collasped pond water contaminated the public water supply below the roof in the reservoir.	Modifying Piedmont, Summit and Estates Reservoir roofs. Remove the decorative pond. Double contaminent and inspection and testing of non-potable structures will be provided.	1998	$1,134,000
0	C	1300000	4	East Bay MUD	0110005	026	Upper San Leandro Filter Valve Replacement. Cross contamination can occur resulting from leaking valves.	Replace forty valves at Upper San Leandro Water Treatment Plant. These valves include 20" filter valves, 20" washwater valves and 8" re-wash valves.	2003	$1,700,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1300000	4	East Bay MUD	0110005	008	RESERVOIR REHABILITATION PROJECT - SCREEN INSTALLATION. THERE IS A NEED FOR RESERVOIRS TO HAVE IMPROVED ON-SITE SAMPLING AND DISINFECTION FACILITIES TO PREVENT MICROBIAL CONTAMINATION.	INSTALL RESERVOIR OVERFLOW SCREENS. IMPROVE RESERVOIR SAMPLING AND CHLORINATION FACILITIES.	1998	$2,500,000
0	C	1300000	4	East Bay MUD	0110005	023	Upper San Leandron Pilot Filter Rebuild. Existing filters operate poorly and show signs of problems including poor backwash and cleaning. This may cause problems with filtration if not corrected.	Rebuild one filter at Upper San Leandron Water Treatment Plant. This work includes replacement of media, underdrains, washwater troughs and the addition of air scour.	2002	$472,000
0	C	1300000	4	East Bay MUD	0110005	025	Upper San Leandro Improvements. Existing filters operate poorly and show signs of problems including poor backwash and cleaning. This may cause problems with filtration if not corrected.	Rebuild nine filters at Upper San Leandro Water Treatment Plant. This work includes replacement of media, underdrains, washwater troughs ad the addition of air scour.	2003	$3,275,000
0	C	1300000	4	East Bay MUD	0110005	024	Sobrante Water Treatment Plant Filters Improvement. Existing filters operate poorly, and show signs of problems including poor backwash and cleaning. This may cause problems with filtation if not corrected.	Rebuild 4 filters at the Sobrante Water Treatment Plant. This work includes replacement of media, underdrains, washwater troughs, and the addition of air scour.	2002	$3,000,000
0	P	25	5	NEW CAMALDOLI HERMITAGE WS	2702268	002	We have two spring sources to supply our water needs. However, a few years ago one of the two springs began to test positive for coliforms in violation of the “Surface Water Treatment Rule.” The positive coliform results are due to surface water contamina	Our proposed filtration/chlorination treatment system is multibarrier consisting of a two stage filtration system and chlorine disinfection system. The total system will be designed to remove and inactivate water borne pathogens, including Giardia, Crypto	2008	$90,000
0	P	40	5	HARRISON RD WS #01	2700592	001	Storage tank is rusted.	Replace storage tank.	1998	$5,000
0	P	50	10	MANTECA INDUSTRIAL PRK CSA-30	3901322	001	STAND-BY WELL HAS NITRATE IN EXCESS OF MCL	CONSTRUCT TREATMENT FACILITY. OTHER = DESIGN AND CONSTRUCTION	1998	$600,000
0	P	100	10	LINDEN USD-GLENWOOD SCHOOL	3900756	001	SYSTEM HAS ONLY ONE WELL.	DRILL NEW WELL AND INSTALL PUMP AND TANK	1999	$45,000
0	P	125	14	CLOVER FLAT ELEMENTARY SCHOOL	3702364	001	"Systems well is not properly located ..."	drill new well	2006	$75,000
0	P	150	5	CALVARY CHURCH INC WS	2700703	001	Need additional storage and to replace water mains.	Install seven tanks and 3000 feet of pipe.	1998	$60,000
0	P	200	2	DRY CREEK ELEMENTARY SCHOOL.	3100077	001	Needs second well to ensure reliability.	Scope and analyze recommendations. Recase or redrill a well.	1998	$25,000
0	P	200	17	CAMP JONES GULCH	4100538	003	YMCA Camp Jones Gulch has a perennial problem with lack of an adequate water supply.	Drilling a new well and providing pumping stations and pipeline to move water approximately 1 mile.	2000	$50,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	P	250	11	SIERRA VIEW SCHOOL	2000846	002	The Sierra View Elementary School water system has the following deficiencies;1. The system has one well only, so there is no backup2. The system has no potable water storage tank3. The system has no hydrotank4. The system has no seperation betwee	The proposed new system would include the following;1. The addition of a new well and submersible pump2. The addition of a 20,000 gallon domestic water storage tank3. The addition of a 3,750 gallon hydrotank4. The addition of a irrigation booster	2007	$257,000
0	P	390	11	COARSEGOLD SCHOOL	2000611	001	Coarsegold Elementary School is in need of additional water storage for fire suppression. There is a need for a storage tank and a pump. The school also needs a new well for drinking water for students and staff at the school. No drinking water standard,	The project would include installation of a water storage tank and pump for fire suppression purposes at Coarsegold Elementary School and a new well at the school to supply drinking water for students and staff.	2008	$325,000
0	P	750	21	PENN VALLEY SHOPPING CENTER WATER SYSTEM	2900532	001	Single well source lacks reliability.	Hook into the NID treated water system. Abandon the present well.	1998	$140,000
0	P	1000	20	PALM SPRINGS AERIAL TRAMWAY	3301494	001	The Palm Springs Aerial Tramway (PSAT) is a Special District created by a special act by the state of California. PSAT provides aerial tramway transportation from the Valley Station (in Palm Springs) to the Mountain Station (in the San Jacinto mountains)	PSAT would like to remove the current Valley Station drinking water storage tank and replace it with 2 new 25 x 20 73.5kg drinking water storage tanks. The purpose of having 2 storage tanks is to continue providing safe drinking water to customers if t	2008	$267,038
0	P	1500	9	BRANCH CENTER	3400180	001	Due to contamination, wells were shut down. Temporarily, the water is being provided through inter-tie with Citizens. Pressure loss is very large and no emergency water storage is available.	Construct 500,000 g water storage tank with a 1,500 gpm booster station facility. Involves design and construction.	1998	$500,000
0	P	2000	20	EISENHOWER MEDICAL CENTER	3301238	001	10,000 gal. Cistern - 20 years old - below ground level. Walls leaking - needs new above ground steel tank.	Planning on erecting above ground steel tank - small pumping station.	1998	$50,000
0	P	4000	20	COLLEGE OF THE DESERT	3301155	001	System is in need of new piping, lines, and backflow devices.	Install new.	2000	$900,000
0	N	25	17	Uvas Canyon County Park	4300616	001	Replace storage tank and well pump.	Replace 22,000 gallon redwood tank and well pump to provide additional water quality protection.	1998	$75,000
0	N	25	2	SILVER CREEK SUMMER HOME TRACT	3103666	001	The drinking water for Silvercreek poses a serious health risk to consumers. The untreated community well services 23 dwellings. Water samples, analyzed at the entry point in the system, are high in arsenic, above the EPA's MCL. This is exacerbated by	To bring arsenic into compliance, under the MCL of 10ug/L, would require installation of new treatment technology and possibly utilizing a new water source or blending water sources. All scenarios require replacement and upgrading of the storage and dist	2007	$211,000
0	N	25	13	Ponderosa Guest Ranch	3601016	001	Inadequate source and storage capacity, old mainline	Construct new storage tank, rehab well, replace mainline	1998	$2,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	N	25	2	Almanor Heights MWC	3200139	001	The existing 40 year old 25,000 gallon steel bolted tank has deteriated due to rust problems. We intalled a PVC liner 16 years ago but now rust on the spider rods and tank top, along with pin holes are beyond repair. Documentation, both written and photog	We wish to replace our 25,000 gallon steel bolted tank that is 40 years old and has rust problems on the interior. We would like to replace this with a 50,000 gallon steel bolted epoxy lined tank which would provide adequate and improved water supply and	2008	$163,000
0	N	30	20	RAGSDALE WATER	3301526	001	We are developing a new water system and creating a mutual water company that will provide quality drinking water and fire flow for community growth.	To be determined	2007	$2,000,000
0	N	50	2	MOOSE CAMP	4500017	001	We have had inflitration caused by low water pressure, backflow from users, leaking old pipe lines, stagnation from ends of lines, and possibly repairs to the system. We seldom but on occaission have not passed our water tests due to the detection o	The current system consists of two 20 gpm wells that are about 20 years old, a 10,000 gallon above ground storage tank, 10,000 feet of very old (40 to 60 years old) 2 and 3 inch failing steel pipe serving 52 houses with the potential of about 70 tota	2008	$170,000
0	N	50	18	Sonoma County Parks-Putnam Park	4901223	001	Need well, distribution lines, water pumps, chlorinator and tank replacement.	Replace well, distribution lines, water pumps, chlorinator and tank.	1999	$125,000
0	N	50	5	CHURCH OF THE GOOD SHEPHERD WS	2702050	001	Water tanks are rusting and tank pads are not structurally sound.	Replace tanks and pads.	1998	$50,000
0	N	100	12	CAMP EL-O-WIN	1000166	001	ALL WATER LINES ARE INSTALL ABOVE GROUND AND ARE SUBJECT TO FREEZING, BREAKAGE AND CONTAMINATION.	BURY ALL WATER LINES BELOW THE FREEZE LINE.	2000	$20,000
0	N	100	6	CHRISTMAS COVE COMPANY	4000642	001	Low well production and source capacity which does not meet Water Works standards.	Drilling a new well and providing a new storage tank with automatic chlorination, filtration and water softener.	1999	$25,000
0	N	120	10	SHERMAN ACRES MUTUAL WATER ASN	0500028	001	Water system is composed of aging PVC pipe installed in the early 70s with volunteer labor. The system was poorly designed and is not looped per modern construction standards. There are multiple dead end lines without adequate flush outs/blow-offs.	Project will consist of two phases:1. Replacement of water mains - all mains (approx 8500) will be replaced with modern pipe and the system will be engineered and designed to meet all modern codes and standards.2. Development of a back-up well - a se	2009	$2,000,000
0	N	120	13	Thousand Pines Amer. Ctr.	3600585	001	Multiple leaks in distribution system	Replace water mains to comply with waterworks standards	2004	$60,000
0	N	125	19	CAMP ST NICHOLAS WATER SYSTEM	1502249	001	LARGER STORAGE TANK, A NON-ELECTRIC PUMP ALTENATIVE BACK-UP SYSTEM	MORE CAPACITY & FIRE PREVENTION FOR CAMP	2001	$35,000
0	N	150	17	Walden West	4300764	001	Steel tank needs minor repairs. System also needs to have cross-connection test performed.	Have cross-connection test performed. Install meters. Repair steel tank - some structural modifications, new access hatch, enhance roof vent/ladder, etc.	1998	$6,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	N	165	12	MUSICK CREEK TRACT ASSOCIATION	1000058	001	THE TWO ACTIVE WELLS HAVE MARGINAL CAPACITY TO MEET THE DEMANDS OF THE SYSTEM, ESPECIALLY DURING DRY YEAR.	CONSTRUCT A NEW WELL.	1999	$15,000
0	N	170	13	Camp Ta Ta Pochon	3600537	001	Rock and mortar tank is not rodent proof	Construct new storage facility	1998	$50,000
0	N	194	2	Plumas-Eureka S.P.	3210300	001	Currently, the Plumas Eureka State Park main water line is exposed where it crosses Jamison Creek. The line was buried in an aluvial creekbed back 10 years ago and with winter runnoff and summer storms, it has become exposed. When runnoff occurs, large	We would like to re-locate the existing water line so it no longer crosses Jamison Creek. We propose to take the main line where it currently comes down from the storage tank and run it under an existing park road, thru a parking lot and then where it cr	2007	$250,000
0	N	200	5	CYPRESS COMMUNITY CHURCH WS	2702030	001	One 15,000 gallon tank needs to be replaced. Another one is desired for additional storage.	Remove old tank, replace with a new one, and add an additional tank along with necessary water lines.	1998	$15,000
0	N	250	18	Sonoma County Parks-Vet. Memorial Beach	4901222	001	Need well, distribution lines, water pumps, chlorinator renovation.	Replace well, distribution lines, water pumps, chlorinator renovation.	1999	$110,000
0	N	250	13	De Benneville Pines Inc	3600534	001	Old, substandard mainline	Replace mainline	1999	$245,000
0	N	280	9	SPRING CREEK TRACT ASSOCIATION	0900506	001	SCTA's water distribution system which was installed in 1954 is experiencing an increasing number of leaks. Our leak repair program will soon not be cost effective because of the large number of leaks. The repairs cannot always be made in a timely manne	To replace the aging distribution system using larger pipe to increase flows for fire protection.	1998	$685,000
0	N	312	12	LOWER LINE CREEK IMPRVMNT ASSN	1000080	001	TWO WELLS DO NOT PRODUCE ENOUGH WATER IN LATE SUMMER DURING DRY YEARS.	CONSTRUCT NEW WELL(S).	1998	$10,000
0	N	400	12	BSA/CAMP CHAWANAKEE	1000165	001	THE TANKS ARE OLD AND RUSTED.	INSTALL A 60,000 GALLON STORAGE TANK AND PIPELINES.	1998	$250,000
0	N	440	12	CAMP FRESNO WATER SYSTEM	1000170	001	THE WATER SYSTEM IS ABOUT 70 YEARS OLD AND THE ENTIRE DISTRIBUTION SYSTEM NEEDS TO BE REPLACED.	REPLACE THE OLD EXISTING STEEL PIPE AND VALVING.	1998	$110,000
0	N	440	12	CAMP FRESNO WATER SYSTEM	1000170	002	Camp Fresno is a family oriented facility located along Dinkey Creek in the Sierra Nevada Mountains, in Fresno County, California. Since 1926, the City of Fresno has held a lease agreement with the U. S. Forestry Department for Camp Fresno, a 34 a	The project will include engineering and development of plans and specifications, and the construction and installation of a new water distribution system to serve Camp Fresno, including fire hydrants. The project will remove the current deteriorated two	2008	$200,000
0	N	2500	21	South Yuba River State Park	2905001	001	Currently the S. Yuba watersystem operates on a demand basis. We do have 3 pressure tanks installed in the system but we do not have any treated water storage. When we have power failures effecting the well, we must use a portable generator to power the	We propose to install an 25,000 gallon water storage tank on the hill next to S. Yuba River State Park. This park has a visitation of up to 2,500 visitors per day during the summer months and is currently only has 3 pressure tanks installed in the water	2008	$500,000
0	S	17	9	COSUMNES RIVER INDIAN ASSOC	3400168	001	Storage tank is too small, low pressure, needs a second well.	New pump and piping, larger storage tank and valves.	1999	$83,000

SRF Category **M**

Bonus	Type	Pop	District	Water System Name	Project Number	Problem	Project Description	Requested FY	Cost

Total Projects for 'Category' = M (1714 Projects) **Total Costs for Category:** ***$3,143,382,136*** **Total Population served in Category:** ***78,653,209***

SRF Category N

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
40	C	300	20	Blythe - Hidden Beaches	3301630	001	Groundwater source quality problems (TDS, iron, and manganese) and insufficient storage capacity. (see attached documentation)	Construct a transmission main pipeline connection of the water system to the City of Blythe water system.	1998	$6,716,000
25	C	70	3	Westport County Water District	2300730	002	Fe & Mn above secondary standards	Install treatment to remove Fe & Mn to below secondary standards	2005	$500,000
25	C	220	19	CAMP OWEN WATER SYSTEM	1502315	001	HIGH LEVELS OF IRON, TURBIDITY AND DBCP ARE PRESENT IN 1 OF OUR 3 WELLS MAKING IT UNUASBLE. SEVERAL SMALL LEAKS IN OUR 32,000 GAL. WATER TANK. NOTE: DBCP NOT PRESENT IN SAMPLES SUBMITTED.	INSTALL FILTRATION AND WATER CONDITIONING SYSTEM AT THE SITE OF THE EAST WELL SO THAT IT CAN BE UTILIZED. REPLACE/REPAIR WATER STORAGE TANK.	1999	$60,000
25	C	300	1	Newell County Water District	2500801	001	Iron and manganese level in existing wells exceeds the MCL for iron and manganese. Distribution system leaks extensively.	Drill new wells in a strata that meets the MCL for iron and manganese. Replace failing distribution system.	1998	$275,000
25	C	950	19	CWS SQUIRREL MOUNTAIN WATER SYSTEM	1510044	001	HIGH IRON AND MANGANESE IN WELL. CURRENTLY HAULING WATER INTO CUSTOMER.	INSTALL IRON AND MANGANESE REMOVAL PLANT. OTHER - DESIGN AND CONSTRUCTION	1998	$250,000
25	C	1500	1	Trinity Co. W.W. Dist #1	5310002	001	Habitual reoccurrence of taste and odor problems associated with iron and manganese. Numerous taste and odor complaints.	Provide for iron and manganese treatment system. Design and install temperature control devices at raw water reservoir.	1998	$1,300,000
25	C	6800	5	Castroville Community Services District	2710005	001	Sea water intrusion close to main well	Drill new well deeper or further from intrusion area	2005	$500,000
25	C	12200	21	Olivehurst Public U.D.	5810003	001	District wells exceed secondary drinking water standards MCL for iron and manganese. Also has hydrogen sulfide.	Construct 3MGD well head treatment plant for iron, manganese, hydrogen sulfide, and methane gas removal. Install approximately 3500 feet of 12" water main from new treatment plant to service area.	2000	$1,000,000
25	C	15000	9	Fruitridge Vista Water Company	3410023	002	Wells are contaminated.	Construct manganese removal facilities and abandon existing wells. May be used for emergency purposes.	2000	$5,000,000
25	P	35	1	MJUSD-Arlington Elem. School	2500513	002	The manganese level in the existing well exceeds the MCL for manganese.	Drill a new well in a strata that meets the MCL for manganese.	1998	$44,850
25	P	145	10	DELTA ISLAND ELEMENTARY SCHOOL	3900713	001	EXTREMELY HIGHLY MINERALIZED WATER. (ESSENTIALLY NOT POTABLE)	REIMBURSE FOR TREATMENT INSTALLED	1998	$8,000
25	N	25	13	River Land Resort	3600365	001	High Iron and Manganese, Inadequate storage	Construct treatment facility, Construct tank	1998	$100,000
25	N	75	21	STRAWBERRY CAMPROUND	0400138	001	Water is high in iron and manganese due to shallow well. Shallow wells are required since there is no electricity available. Wells (2) have to be operated with hand pumps.	Deepen wells and bring in electrical connections.	1998	$165,000
20	C	60	21	FAIRWAY DOWNS MUTUAL WATER CO	5800572	002	Well for this system has very high iron and manganese levels.	Install iron and manganese filtration system for removing these secondary standard constituents.	1998	$73,000
20	C	100	9	HOOD WATER MAINTENCE DIST	3400101	002	Two wells exceed drinking water standards for iron and manganese.	Construct a 250,000 gallon water storage tank. Involves design and construction.	1998	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	100	9	HOOD WATER MAINTENCE DIST	3400101	001	Two wells exceed drinking water standards for iron and manganese.	Construct an iron and manganese treatment facility and construct a 1,000 gpm well with iron and manganese treatment. Involves design and construction	1998	$300,000
20	C	164	5	VIERRA ESTATES WS	2702007	001	System exceeds the iron and manganese MCL's.	Physically consolidate with Normco Division. Install 7000 feet of piping to make the connection.	1998	$225,000
20	C	320	2	Lassen County Water District #1	1810003	001	Fail secondary drinking water standards for iron and manganese.	Purchase and installation of filters to remove the iron and manganese.	1998	$210,000
20	C	649	11	TUD - Mono Village Water System	5510019	001	EXCESSIVE IRON AND MANGANESE IN FOUR WELLS.	INSTALL TREATMENT SYSTEMS FOR REMOVAL OF IRON AND MANGANESE.	1998	$162,000
20	C	700	20	RIV COUNTY SERVICE AREA #62	3301577	001	TDS is 1600 mg/l and the iron and manganese are high. Groundwater source water quality violations. Insufficient storage reservoir and booster pump station capacity. CSA # 62: See attached	Install filtration treatment units. Construct new storage reservoir and booster pump station.	1998	$0
20	C	1785	2	Plumas Eureka CSD	3210011	001	Excessive iron and manganese concentrations in the source water.	Construction of water treatment facilities.	1998	$600,000
20	C	5250	21	City of Williams	0610004	001	Excessive manganese levels in ground water (166 ug/l). State limits are 50 ug/l. These levels are our major cause of hardness.	Design green sand filter system to treat water from three wells.	1998	$30,000
20	C	5250	21	City of Williams	0610004	004	failing wells, productivity;water quality inferior; health and safety issues	upgrade system capacity; identify and develop well on new site to include storage facility; conduct preliminary engineering study of existing system quality, production; develop plans and specs; etc	2004	$4,000,000
20	C	5250	21	City of Williams	0610004	002	Excessive manganese levels in ground water (166 ug/l). State limits are 50 ug/l. Also causing hard water.	Purchase and have installed green sand filters and related equipment.	1998	$3,000,000
20	C	5500	16	MAYWOOD MUTUAL WATER CO. #1	1910084	001	Wells produce water exceeding the MCL for manganese.	Design and construct a manganese removal system capable of treating 1,500 gallons per minute. Preliminary design is shown in Attachment 2.	1998	$760,000
20	C	6000	18	Sweetwater Springs CWD - Guerneville	4910004	003	High iron and manganese in supply wells	Construct iron and manganese treatment plant.	2000	$850,000
20	C	6500	12	Firebaugh City	1010005	001	THE CITY'S TWO IRON AND MANGANESE REMOVAL PLANTS DO NOT HAVE ENOUGH FILTERS TO RELIABLY TREAT ALL THE WELLS THAT ARE PUMPED TO THE TWO PLANTS.	INSTALL TWO NEW FILTERS AT EACH PLANT SITE AND CONSTRUCT A BACKWASH WATER RECLAMATION SYSTEM AT EACH PLANT SITE.	1998	$1,073,500
20	C	6813	22	SATIVA-L.A. CWD	1910147	001	Well #4 is not in use or pumped due to iron, and magnesium sequestering at the well site. Also upgrade existing water mains 30 years old.	Treatment to remove iron and manganese from water to provide better tasting water. Replace old existing line to prevent major breakage, and better access to water lines.	2000	$105,221

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	6813	22	SATIVA-L.A. CWD	1910147	002	Well #4 is not in use or pumped due to iron and magnesium. Sequestering at well site. Upgrade existing water mains that are 30 years old.	Grant will allow us to remove iron and magnesium from water to provide better tasting water. Replace old existing line to prevent major breakage and better access to water lines	2001	$105,221
20	C	7500	7	TRACT 349 MUTUAL WATER CO.	1910160	002	Excessive manganese and iron contaminants at groundwater source	Purchase and install equipment to remove secondary contaminants	2001	$950,000
20	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	003	THE JAMESTOWN AREA OF THE SYSTEM DOES NOT HAVE SUFFICIENT PRESSURES DURING PEAK DEMAND PERIODS. THIS FORCES THE USE OF A WELL THAT HAS EXCESSIVE IRON AND MANGANESE LEVELS.	ADD A 300 GPM IRON AND MANGANESE REMOVAL SYSTEM FOR THE WELL.	1999	$128,000
20	C	66000	7	LAKEWOOD - CITY, WATER DEPT.	1910239	003	Wells 11 and 11A contaminated with iron and manganese above their MCLs.	The City plans to design and install a wellhead treatment plant for Wells 11 and 11A for the removal of iron and manganese. Project involves: Design, and Construction	2000	$774,000
20	C	66000	7	LAKEWOOD - CITY, WATER DEPT.	1910239	001	Rehabilitate Well #15 contaminated with Fe (0.56 mg/L - 1.9 mg/L) and Mn (0.06 mg/L - 0.18 mg/L).	Well #15 must be destroyed and a new well drilled to replace the supply lost. Project involves: Design to solve problem, and Construction	1998	$1,100,000
20	P	100	1	Willow Creek School	4700569	001	"Rust" in water, occcasional taste and odor problems, and calcium build up on fixtures. Past chemical analysis shows manganese concentration greater than secondary MCL.	Add treatment to remove rust and/or manganese.	1998	$10,000
20	N	25	18	HOG ISLAND OYSTER CO.	2100581	001	The sole water source, located close to Tomales Bay, is exhibiting water quality problems that are consistent with salt water intrusion. Flouride levels of 2.6 mg/L exceed the Primary MCL. Significant Secondary MCLs are violated. TDS is 1200 mg/L; Specifi	Consolidation with the Marshall Tavern water system, which has an existing groundwater well with superior water quality compared to Hog Islands, is characterized by the local LPA as the most cost effecient and logistically superior solution to the water	2007	$100,000
20	N	90	3	Maharishi Vedic School	1700668	001	Rust (iron) and silt.	Convert existing 20,000 gal tank to sand filter.	1998	$30,000
20	N	120	10	AMERICAN LEGION POST #376	0500090	001	WELL HAS HIGH IRON AND MANGANESE. ALSO, WELL IS CLOSER TO A SEWAGE HAZARD THAN WOULD BE ALLOWED CURRENTLY.	DRILL NEW AND DEEPER WELL.	1998	$10,000
15	C	50	14	H & J WATER COMPANY	3700073	002	High iron content in water.	Install treatment.	2002	$3,000
15	C	50	14	H & J WATER COMPANY	3700073	001	High iron content in water from old well and an abandoned well.	Dig new well and destroy abandoned well.	2002	$60,000
15	C	64	18	Moorland Avenue Apartments	4901195	001	High levels of iron and manganese. Periodic positive coliform samples.	In 1996/97 system installed a 5,000 gal storage tank, with booster pump and pressure system. Would like to install treatment for iron and manganese, seal north well which is now inoperable and refinance the previous 1996/97 system improvements.	1998	$25,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	2760	5	CWSC Las Lomas	2710013	001	Well water is above the MCL in iron and manganese.	Design and construct filter system.	2000	$640,000
15	C	2800	5	Aromas Water District	3510004	001	Need additional capacity. Currently system is on voluntary water rationing. Also need water quality improvements for elevated manganese levels	drill new well with needed capacity and acceptable water quality	2002	$976,664
15	C	3000	12	Riverdale Public Utility District	1010028	001	Violate secondary standards for iron	Drill new well and chlorine contact tank	2000	$270,000
15	C	3174	1	City of Rio Dell	1210012	001	Extremely high levels of manganese from well source. This causes frequent and severe scaling of distribution system and complaints.	Construct a new surface water treatment plant to draw water from the Eel River.	1998	$1,700,000
15	C	6269	11	DELHI CWD	2410006	002	THE WATER SYSTEM IS EXPERIENCING PROBLEMS WITH IRON, MANGANESE, AND NITRATE. THE NITRATE LEVELS ARE BELOW THE MCL.	CONSTRUCT A STORAGE TANK WITH A BOOSTER SYSTEM TO STORE AND PUMP TREATED WATER.	1998	$1,500,000
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	002	Wells 7 and 8 are high in Fe and Mn, requiring a sequestering agent. This results in frequent flushes of water lines being required to maintain water quality.	Install an Fe and Mn filtration system where water from Wells 7 and 8 are delivered to the finished water reservoir.	1998	$750,000
15	C	66000	7	LAKEWOOD - CITY, WATER DEPT.	1910239	006	Elevated levels of hydrogen sulfide, iron and manganese	Construct treatment plant for removal of hydrogen sulfide, iron, and manganese	2004	$500,000
15	C	85703	2	City of Redding	4510005	006	Have wells with high iron and manganese	Provide treatment for iron and manganese	2009	$4,000,000
15	C	151300	22	CALIFORNIA WATER SERVICE CO. - ELA	1910036	003	FE AND MN CONTAMINATION LEAVING WELL INACTIVE (STATION 56-01)	CONSTRUCT A FE AND MN FILTER SYSTEM	1999	$675,000
15	P	150	18	New Directions Adolescent Services	4901170	001	Objectionable amounts of suspended matter which interferes with UV system. Manganese >MCL.	Confirm composition of suspended matter, design and install system to remove and dispose of solids.	1998	$14,000
10	C	486	6	WALNUT HILLS MUTUAL WATER CO	4000670	001	Wells exceed iron, manganese and hydrogen sulfide secondary standards.	Construct a water treatment facility and connect to the water system.	1998	$50,000
10	C	500	5	SAN LUCAS WD	2701676	001	High levels of iron, manganese, and dirt in water supply.	Design and engineer a project which would enable water system to remove dirt, iron, and manganese from water supply.	1998	$90,000
10	C	26177	20	Rubidoux Community SD	3310044	005	The proposed project involves the construction of a 5,000 gpm (max) Manganese removal treatment facility on District owned property. The proposed facility will treat the water from 2 existing on-site groundwater wells, each with Manganese concentrations	The Well 17 & 18 Manganese Removal Treatment facility is being proposed to eliminate Manganese from the water of 2 existing groundwater wells. The project includes the design and construction of a 5,000 gpm (max) Manganese removal facility. The treatmen	2009	$5,000,000
10	C	29281	6	Santa Paula Water System	5610011	010	Well #1B needs an iron and manganese removal filter to comply with the secondary standards.	Design & construct iron and manganese removal treatment facility at Well #1B site to treat approx. 1,500 gpm.	1999	$750,000
10	C	42830	22	HAWTHORNE-CITY WATER DEPT.	1910047	001	Existing Fe/Mn removal facility is in need of modifications and upgrades.	Reconstruct treatment plant.	1998	$2,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	54873	15	GSWC - ARTESIA	1910004	003	MN PROBLEM AT CENTRALIA WELL (AVG=0.117 PPM MN)	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT CENTRALIA SITE FOR MN AND FE REMOVAL	1998	$300,000
10	C	54873	15	GSWC - ARTESIA	1910004	002	MN PROBLEM AT HAWAIIAN WELL (AVG=0.08 PPM MN)	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT HAWAIIAN SITE FOR MN AND FE REMOVAL	1998	$300,000
10	C	54873	15	GSWC - ARTESIA	1910004	001	MN PROBLEM AT MASSINGER WELL (AVG=0.062 PPM MN)	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT HAWAIIAN SITE FOR MN AND FE REMOVAL	1998	$300,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	003	MN EXCEEDING SMCL AT BALLONA WELL	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES FOR MN AND FE REMOVAL	1998	$300,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	002	MN EXCEEDING SMCL AT EL SEGUNDO/WESTERN WELLS	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES FOR MN AND FE REMOVAL	1998	$300,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	004	MN EXCEEDING SMCL AT SOUTHERN WELL #3 AND #4	INSTALL PRESSURE FILTER OR OTHER TREATMENT FACILITIES AT SOUTHERN WELL SITE FOR MN AND FE REMOVAL	1998	$300,000
10	C	168977	16	GSWC - SOUTHWEST	1910155	009	MN LEVEL 10 X MCL AT TRURO WELL #1 (CURRENTLY INACTIVE)	INSTALL REMOVAL TREATMENT OR DRILL A NEW WELL AT A DIFFERENT SITE	1998	$1,100,000
10	C	193914	12	CWS - Bakersfield	1510003	003	Compliance with proposed arsenic MCL, iron & manganese problems in wells. Will consolidate Olcese system with Bakersfield system	Construct a 20 MGD surface water treatment plant	2001	$22,500,000
10	C	414710	20	Eastern Municipal WD	3310009	006	Iron, Mn, and hydrogen sulfide in the groundwater in the San Jacinto area have rendered the recently drilled Quandt Well unusable for domestic use.	Install wellhead treatment facilities to remove these contaminants and meet standards.	1998	$1,241,000
5	C	200	14	CUYAMACA WATER DISTRICT	3700074	001	Asbestos pipes are present in distribution system. Storage and distribution system is inadequate to provide proper fire protection and other needed water pressure to users. Iron is heavily detected in system.	Add storage tank and replace some of distribution lines, and possibly construct a filtration system	1998	$350,000
5	C	223	14	PINE HILLS MUTUTAL WATER COMPANY	3700905	001	Iron and/or manganese violations	(1) Develop filtration plan, (2) Determine best design filtration system, (3) Purchase filtration system including installation, startup and training.	1998	$100,000
5	C	240	6	GARDEN FARMS C.W.D.	4000507	001	Wells need a filter to comply with the iron and manganese secondary standards.	Install simple filters at wells with high concentrations of the minerals, greensand and chemical charcoal filters are being considered.	1998	$45,000
5	C	1005	5	Cal Am Water Company - Hidden Hills	2710022	001	Ground water exceeds MCL's for iron and manganese.	Design and construct oxidation and filtration treatment facility for the removal of Fe & Mn.	1999	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	2700	5	Central Water District	4410018	001	Three of five wells exceed Fe and Mn MCL.	Construct a new well with better water quality in the vicinity of the other two wells. Plans and specifications on file with the Department of Health Services.	1998	$275,000
5	C	6500	5	Pajaro Community Services District	2710020	001	Well 01 is very high in manganese.	Install a treatment plant to eliminate or reduce manganese to an acceptable level.	1998	$450,000
5	C	15222	6	FILLMORE WATER DEPT	5610002	002	Well No. 6 needs a filter to comply with the manganese secondary standard.	Install a manganese filter.	1998	$800,000
5	C	40000	9	Carmichael Water District	3410004	005	Well has levels of CO2 and manganese above MCL.	Air stripping and pressure filtration.	1998	$1,000,000
5	C	40000	9	Carmichael Water District	3410004	004	Well has levels of iron and manganese above MCL.	Pressure filtration. Involves design and construction.	1998	$750,000
5	C	48909	9	Golden State Water Co. - Cordova	3410015	004	Excessive manganese in water.	Install a new horizontal pressure filter to remove the manganese to non-detect levels.	1998	$350,000
5	C	108995	8	Golden State WC - West Orange	3010022	002	Simone Well exceeds Fe and Mn MCL , source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	1998	$300,000
5	C	108995	8	Golden State WC - West Orange	3010022	005	Cherry Well exceeds Mn MCL. Source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	1998	$300,000
5	C	108995	8	Golden State WC - West Orange	3010022	004	Montecito Well exceeds MCL for MN and Fe. Source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	1998	$300,000
5	C	108995	8	Golden State WC - West Orange	3010022	003	Baskerville Well exceeds Mn MCL. Source taken off-line.	Install pressure filters or other filter facility for Fe and Mn removal.	1998	$300,000
5	C	192000	6	OXNARD WATER DEPT	5610007	001	Well No. 19 needs an iron and/or manganese removal filter to comply with the secondary standards.	Iron and manganese removal system	2000	$2,700,000
0	C	0	6	CALLEGUAS MUNICIPAL WATER DIST	5610050	001	Needs to install a manganese removal filter for the water supply to comply with secondary standards.	Construct a manganese removal facility.	1998	$25,000,000
0	C	68	10	FAIRWAY ESTATES PWS CSA 18	3901075	001	WELL 2 HAS IRON OVER THE MCL. SYSTEM HAS PRESSURE PROBLEM.	CONSTRUCT REATMENT FACILITY, PRESSURE TANK AND BOOSTER STATION. OTHER = DESIGN AND CONSTRUCTION.	1998	$750,000
0	C	78	5	WOODSIDE WA	2702140	001	Water supply was found to be above the MCL for iron and manganese.	They do not describe any projects. Perhaps, they are hoping we will tell them what they should do.	1998	$50,000
0	C	150	10	ACAMPO WATER SYSTEM	3901303	002	WELL 1, THE PRIMARY SOURCE, HAS MANGANESE AT ABOUT 3 TIMES THE MCL.	CONSTRUCT TREATMENT FACILITY. OTHER = DESIGN AND CONSTRUCTION.	1998	$700,000
0	C	235	14	BARRETT LAKE MH AND RV LLC	3700041	001	Water tanks rusted out and system has high iron.	New tanks, lines and pressure pump.	1998	$50,000
0	C	252	5	PRUNEDALE MWC	2700702	002	Wells exceed Fe and Mn MCL.	Install ozone treatment and filtration system.	1998	$100,000
0	C	375	14	PINE VALLEY TRAILER PARK	3701961	001	Needs manganese and iron treatment system, needs piping rerouted, either new reservoir or improvements to old.	as above.	1998	$100,000

SRF Category N

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	690	6	YERBA BUENA WATER COMPANY	5610006	002	High levels of Fe & Mn in the well water supply.	Install filtration system at Well No. 5 to reduce iron and manganese.	2002	$250,000
0	C	1036	10	FAIROAKS PWS #44	3901348	001	MANGANESE EXCEEDING MCL	CONSTRUCT TREATMENT. OTHER = DESIGN AND CONSTRUCTION	1998	$700,000
0	C	1200	18	Bolinas Community PUD	2110005	007	The BCPUD has three water supply sources: (1) surface water from the Arroyo Hondo creek; (2) surface water from Woodrat #1 reservoir; and (3) surface water from Woodrat #2 reservoir. The source of the water feeding the unnamed streams which fill the two	The BCPUD would like to conduct a pilot study to determine the origin contaminant(s) causing the taste and odor problems in its reservoir water sources and recommend a solution thereto. The study will involve the district retaining a chemical engineer, w	2009	$150,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	011	Fe & Mn WTP needs upgrades to comply with Fe/Mn secondary standards.	Replace non-functional valves and appurtenances then sandblast and paint vessels and piping.	1999	$25,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	001	Well No. 12 needs an iron and manganese removal filter to comply with secondary standards.	Installation of iron and manganese removal facility per study by Boyle Engineering Corp dated Mrch 1993.	1998	$620,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	020	Salt water intrusion potential due to tidal hydraulics and pumping characteristics.	Construct new well(s) upstream and outside tidal influence with associated transmission line to treatment facility.	2001	$1,100,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	009	Wells exceed the iron and manganese secondary standards.	Solve the problem by conducting a study to determine the best way to treat the water. Most effective method would likely be a treatment plant.	1999	$800,000
0	C	5312	11	GUSTINE CITY	2410003	001	The 2002 Water System Master Plan identified the major water quality problems in the Citys wells. These include high concentrations of salinity as measured by total dissolved solids (TDS) and high concentrations of nitrates, chlorides and sulfates. Pre	The project elements include the following:Design and construct a replacement well for Well No. 1, and provide wellhead treatment for nitrate at the new well. The well should be of equivalent capacity to deliver and treat 1,100 gpm.Design and construc	2008	$3,500,000
0	C	5412	17	Montara Water and Sanitary District	4110010	026	Manganese contamination	Manganese removal treatment at Airport Wells	2005	$250,000
0	C	5730	20	California Rehabilitation Center - Norco	3310800	002	CRC's wells produce Mn from 400 to 1200 mg/L. Due to this level this system has to be flushed out to get rid of the oxidized Mn.	Add Mn removal treatment system	1998	$550,000
0	C	7260	9	Florin County Water District	3410033	004	Declining water table with a degradation of water quality and decreasing production ability.	Treatment plant and water storage tanks.	1998	$0
0	C	7260	9	Florin County Water District	3410033	005	Declining water table with a degradation of water quality and decreasing production quality.	Rehabilitation including deepening wells and modification of well structures.	1998	$0
0	C	9884	9	SCWA - Arden Park Vista	3410002	003	Sources exceed the iron and manganese MCL's.	Acquire site for replacement well and iron-manganese treatment facility.	1998	$100,000
0	C	9884	9	SCWA - Arden Park Vista	3410002	005		Design and construct 1,200 gpm well and iron-manganese treatment facility.	1998	$750,000

SRF Category N

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	9884	9	SCWA - Arden Park Vista	3410002	004	Sources exceed the iron and manganese MCL's.	Acquire site for replacement well and iron-manganese treatment facility.	1998	$100,000
0	C	9884	9	SCWA - Arden Park Vista	3410002	001	Levels for iron and manganese exceed MCL.	Install wellhead treatment facilities (greensand filters). Involves study, design, and construction.	1998	$1,300,000
0	C	9884	9	SCWA - Arden Park Vista	3410002	002	Sources exceed the iron and manganese MCL's.	Design and construct 1,200 gpm well and iron-manganese treatment facility.	1998	$750,000
0	C	20181	7	LOMITA-CITY, WATER DEPT.	1910073	004	The City of Lomita Cypress Water Treatment Facility intends on removing iron, manganese, and color from Well No. 5 in compliance to the State Drinking Water Standards. It is to be mixed with the MWD water in the new Cypress Street Reservoir, which will pr	The project would rehabilitate an existing well which has been out of services since 1974. Provide a treatment plant with a 1,000 gallon per minute treatment rate and construct a new 5 million gallon reservoir for the storage of produced water. The Proj	2009	$12,500,000
0	C	40165	17	City of San Bruno	4110023	006	Manganese secondary MCL exceeded; need to install treatment system to remove manganese and iron.	A modular treatment plant was designed for 300 GPM was purchased in 1991 for the use at the Shannon Well, but was never installed before the well was abandoned. This project will construct a shelter large enough to accommodate this plant.	1998	$370,000
0	C	44831	6	CAMARILLO WATER DEPT	5610019	002	Wells need a filter to comply with the iron and manganese secondary standards.	Construct Fe & Mn, hydorgen sulfide removal filtration treatment facility for one of the three wells with additional plants proposed in the future.	1998	$2,867,700
0	C	62000	17	City of Palo Alto	4310009	003	Need new well with iron and manganese treatment.	Construct a new well on Middlefield Rd. with treatment for iron and manganese.	1998	$460,000
0	C	77513	8	Yorba Linda Water District	3010037	001	Well Nos 16 and 17 produce water with high manganese, total dissolve solids and sulfate exceeding the State's secondary aaand recommended drinking water standards. The wells are also impacted by surface water.	Construction and installation of a treatment system consisting of chemical addition reaction filtration and backwashing facilities. Installation of maganese greensand filter treatment packaged and pressure filtration vessels are planned.	1998	$755,000
0	C	94400	22	CALIFORNIA WATER SERVICE CO. - HERM/REDO	1910134	001	FE AND MN CONTAMINATION LEAVING WELLS INACTIVE (STATION 22-01, 30-01)	CONSTRUCT A FE AND MN FILTER SYSTEM	1998	$1,033,000
0	C	105831	17	City of Santa Clara	4310012	003	The manganese level in Well 19 exceeds the MCL.	Investigate the problem and then do whatever construction is found to be necessary.	1998	$300,000
0	C	113880	22	TORRANCE-CITY, WATER DEPT.	1910213	003	Wells contain hydrogen sulfide that has caused customer odor complaints, also iron and manganese concentrations are exceeding secondary standards. In addition, a saline water plume is encroaching on the groundwater production area,	A groundwater treatment facility is proposed that will improve water quality by eliminating odor complaints and by meeting secondary standards for iron and manganese. The proposed facility will also mitigate possible future contamination by the …	1998	$7,027,000
0	P	246	9	FRANKLIN ELEMENTARY SCHOOL	3400248	001	Water is high in manganese.	New mangnesium filtration system. Replace and modernize plumbing.	1998	$10,000
0	P	350	18	Oak Grove School	4900703	001	Well water is discolored (iron >MCL) and often has smell. Water seems corrosive.	Install filtration or ozonation system with holding tank.	1998	$30,000
0	P	440	18	Twin Hills School Dist-Twin Hills School	4900707	001	Corrosive water, high iron & manganese, drawing sand, high turbidity, periodic bacti problem.	Drill new well, install iron & manganese and pH treatment, separate drinking water from irrigation water.	1998	$105,000

SRF Category **N**

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	P	600	18	Twin Hills School Dist-Apple Blossom Sch	4900710	001	Corrosive water, high iron & manganese, drawing sand, high turbidity, periodic bacti problem.	Drill new well, install iron & manganese and pH treatment, separate drinking water from irrigation water.	1998	$100,000
0	X	0	14	Indian Hills Camp	0001405	001	High iron bacteria in water source. This clogs piping, gives a bad taste and terrible smell w/hot water.	We have a chlorination system in place now which does an adequate job but a more sophisticates system such as osmosis would be safer and more functional.	1998	$9,947

Total Projects for 'Category' = N (116 Projects) **Total Costs for Category:** ***$148,192,103*** **Total Population served in Category:** ***3,559,475***

SRF Category O

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
45	C	571	19	FULLER ACRES MUTUAL WATER COMPANY	1500296	001	Well 01 produces water with arsenic 12 ug/L which is above the new EPA arsenic MCL of 10 ug/L. Also our distribution system piping is over 30 years old and will need to be replaced when consolidating with Lamont PUD. We will also need to install meters	Install 3000 feet of pipeline to connect to Lamont PUD; replacement of 7,000 feet of undersized and old distribution system with a 6-inch PVC pipe, installing 185 meters,and destruction of existing system wells.	2008	$1,200,000
40	C	3653	11	TUD - Columbia Water System	5510013	004	THE NEW MELONES PUMP STATION EXPERIENCED AN INTAKE PIPELINE FAILURE.	CONSTRUCT IMPROVEMENTS AND REPAIRS TO THE INTAKE STRUCTURE.	1998	$74,000
40	C	3653	11	TUD - Columbia Water System	5510013	006	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS	1999	$18,000
40	C	3653	11	TUD - Columbia Water System	5510013	002	THE MATELOT DITCH AND RESERVOIR THAT SUPPLY THE WTP ARE SUBJECT TO CONTAMINATION.	CONSTRUCT RESERVOIR IMPROVEMENTS AND PIPE THE MATELOT DITCH TO PROVIDE SOURCE WATER PROTECTION.	1999	$1,210,000
40	C	3653	11	TUD - Columbia Water System	5510013	001	THE LOWER COLUMBIA DITCH LOOSES WATER THROUGH LEAKS AND IS CONTAMINATED BY LOCALIZED AG RUNOFF.	PIPE APPROXIMATELY 800 FEET OF DITCH AND GUNITE LINE APROXIMATELY 2000 FEET OF DITCH.	1999	$78,000
40	P	50	11	Merced Adventist church Water Syst.	2400148	001	VERY SMALL SYSTEM WOULD BENEFIT BY CONNECTING TO THE CITY OF MERCED WATER SYSTEM.	CONNECT TO THE CITY OF MERCED WATER SYSTEM.	1998	$50,000
40	P	50	11	ST. PAUL S LUTHERAN DAY CARE	2400176	001	THE SCHOOL WOULD BENEFIT BY CONSOLIDATING WITH THE CITY OF MERCED. HOWEVER, THERE ARE CURRENTLY NO PROBLEMS WITH THE WATER SYSTEM.	CONNECT TO THE CITY OF MERCED'S WATER SYSTEM.	1998	$50,000
35	C	30	19	LIFE WATER CO-OP	1500579	001	Due to an ongoing water shortage problem we have been issued a compliance order for violation of the California Waterworks Standard since we are required to maintain a minimum of 20 psi at all times. We have not been able to do this due to having to shut	To remedy the insuficient water problem and intertie with Inyokern Community Water District is being requested. The project would require a looped mainline to connect the Life Water co-op to the Inyokern C.S.D. system. mainlines, laterals, water meters, m	2007	$1,500,000
35	C	44	2	SUNRISE MOBILEHOME PARK	4500104	001	Existing source is well water.	Consolidate with Clear Creek C.S.D..	1999	$100,000
35	C	120	12	KINGS PARK APARTMENTS	1000295	001	ONE WELL DOES NOT PROVIDE ADEQUATE SOURCE RELIABILITY.	CONNECT TO THE CITY OF SANGER.	1998	$50,000
35	C	927	11	HILLVIEW WATER CO-GOLDSIDE-HIL	2010014	001	SYSTEM EXCEEDS THE SECONDARY DRINKING WATER STANDARDS FOR TDS AND IS BORDERLINE FOR CHLORIDE.	FILTRATION OF FOUR WELLS AND INTERCONNECTION OF THIS SYSTEM TO THE OAKHURST-SIERRA LAKES SYSTEM WHICH IS ABOUT 3 MILES AWAY.	1999	$800,000
35	C	2550	3	Kelseyville Co Waterworks District 3	1710007	001	One supply source is surface water influenced. Need filtration system and storage.	Install filtration system an/or connect to Soda Bay water system. Replace Valley Vista Tanks.	1998	$1,000,000
35	P	830	11	PLANADA SCHOOL	2400066	001	THE SCHOOL WOULD LIKE TO CONSOLIDATE WITH THE PLANADA CSD WATER SYSTEM.	INSTALL A PIPELINE TO INTERCONNECT TO THE PLANADA CSD WATER SYSTEM.	1998	$50,000

SRF Category O

Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
35	N	40	12	GARDEN INN	5400692	001	No problem	Connection to City water	2000	$70,000
35	S	24	11	Oasis Ranch	2400194	001	SYSTEM HAS AN OLD WELL.	CONNECT TO THE PLANADA CSD WATER SYSTEM.	1998	$75,000
30	C	220	19	MUSTANG MUTUAL WATER SYSTEM	1500555	002	Arsenic in the system well water exceeds the new EPA arsenic MCL of 10 ug/L.	As part of this project, Mustang MWC may connect with the distribution system of Vaughn Water Company which is between 1 and 2 miles away from the. The project would inlcude approximately 10,000 feet of pipleine to connect with the Vaughn Water Company.	2008	$1,500,000
30	C	300	12	GREEN ACRES MOBILE HOME ESTATE	1000229	001	AGING WELL CASING.	CONSTRUCT A NEW WELL OR CONNECT TO THE CITY OF FRESNO.	1998	$15,000
30	C	1441	11	TUD - Ponderosa	5510002	003	THE WATER TREATMENT PLANT OPERATES AT NEAR THE 3.0 GPM/FT2 MAXIMUM FILTRATION RATE SPECIFIED IN THE SWTR. SOME OF THE PLANT'S MONITORING AND RELIABILITY FEATURES NEED TO BE UPGRADED.	UPGRADE THE PLANT, ADD ANOTHER CLARIFIER AND FILTER, AND INSTALL MONITORING EQUIPMENT.	1999	$470,000
30	C	1700	6	WARRING WATER SERVICE INC	5610021	003	Consolidate the Rissman Mutual Water Company service which was not in compliance with DHS.	Purchase the Ventura County Water Works District's domestic delivery system in Warring Water Service area and consolidate the system	1998	$300,000
30	C	5268	11	TUD - Crystal Falls Water System	5510010	004	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS.	1999	$18,000
30	C	6500	5	Pajaro Community Services District	2710020	002	The Pajaro/Sunny Mesa Community Services District (PSMCSD) is solely dependant upon groundwater to serve its customers. PSMCSD currently has no alternative potable water supplies. Many of the communities that are served by PSMCSD are minority communitie	The project will entail one of two alternative proposals. The first and easiest solution would be the drilling and development of new wells to address the problems of nitrate and arsenic contamination. Additionally water delivery pipelines to intergrate	2008	$5,000,000
25	C	25	12	PAPPAS & COMPANY (FARM HOUSING)	1009039	001	THE WATER TREATMENT PLANT NEEDS TO BE ENCLOSED. NEED TO REPLACE THE TURBIDITY AND CHLORINE ANALYZERS. NEED AN AUTO DIALER FOR PLANT MALFUNCTIONS.	INSTALL NEW TURBIDITY AND CHLORINE ANALYZERS, AND AN AUTO DIALER. ENCLOSE THE PLANT.	1998	$29,000
25	C	35	19	FOURTH STREET WATER SYSTEM	1500449	001	Running out of water at times	Drill second well;reranked to O from E; system drilled second well	1998	$113,000
25	C	35	19	FOURTH STREET WATER SYSTEM	1500449	003	Storage inadeqate.	Increase storage, repair existing tank.	2007	$50,000
25	C	37	20	WHISPERING SANDS MH PARK	3301746	001	1) Added water pressure. 2) need another well to be able to supply water if failure of existing	1) add pressure tanks existing well - also drill 2nd well, add pressure tanks. Tie 2 systems together - Back up well for more water existing well with more pressure	1999	$20,000
25	C	50	21	MEADOWBROOK OAKS	0400026	001	Aging system.	Fix system.	2000	$0

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	51	21	WOMACK SUBDIVISION M.W.C.	5200013	001	Excessive water main breaks and leaks.	Plan, design, and construct water mains	2007	$60,000
25	C	56	5	JENSEN MHP WS	2702405	001	44 years old system?	Update system?	2003	$50,000
25	C	72	19	BELLA VISTA MUTUAL WATER COMPANY	1502653	001	REACHING CAPACITY OF SYSTEM, (ALLOWED 42 HOOK-UPS) NEED BACK UP WELL, NEED TO IMPROVE WATER TREATMENT, INCREASE STORAGE	DRILL AND HOOK UP NEW WELL IMPROVED CHLORINATION SYSTEM INCREASE STORAGE. OTHER - DESIGN AND CONSTRUCTION	1999	$80,000
25	C	72	12	WATERTEK-METROPOLITAN	1000057	002	EXISTING WELL HAS HIGH NITRATES AND NITRITES, BUT THEY DO NOT EXCEED THE MCLS.	DRILL THE EXISTING WELL DEEPER	1998	$25,000
25	C	80	19	WILLOW SPRINGS MOBILE HOME PARK	1500542	001	WATER QUALITY PROBLEMS	CONNECT TO THE CITY WATER SYSTEM	1998	$50,000
25	C	85	19	BURLANDO HEIGHTS MUTUAL WATER CO.	1500336	002	Undersized water mains	Replace 4" diameter mains with 6" diameter.	2001	$300,000
25	C	90	19	BERRENDA MESA WATER DISTRICT, DOM SYSTEM	1503145	001	Pipe leaks	Pipeline replacement. Installation of rechlorination station.	2000	$375,000
25	C	90	10	SPRING CREEK ESTATES PWS	3900927	001	SYSTEM HAS SINGLE WELL	CONSOLIDATE WITH CITY OF RIPON. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
25	C	96	1	Hunter Valley CSD	0800557	001	Distribution water lines are deteriorating and leaking.	Replace all of distribution lines with schedule 40 P.V.C. pipe	1998	$75,000
25	C	96	20	CASTILE CANYON SCHOOL	3302054	001	Do not have any backup well pump operating. Currently have one pump that is fed by propane generator. Have 140 people plus 22 acres farmland to water.	Need 3 phase electricity to run pump rather than propane generator. Also need backup well rebuilt.	1998	$37,500
25	C	100	12	COUNTRY VIEW ALZHEIMER CENTER	1000430	001	THE WELL EXCEEDS THE NITRATE AND URANIUM MCL'S. Reranked from F to O (1/10/02)	CONSTRUCT A NEW WELL.	1998	$20,000
25	C	100	19	Fairview Water Company, LLC	1502670	001	This system is now twelve years old and we are having problems with the continuous leaks on a mile long portion of the system in addition to pressure problems and inadequate storage tanks	Replace 2 Cla Val. 4" pressure reducing valves. Replace 1 mile of 4" PVC 40 w/ 4" C900. Add 15,000 gal. plus 2 10,000 gal. storage tanks. Add electrical control lines underground. Set up booster pump. Other - study/design/construction	1998	$100,000
25	C	100	19	KERN VALLEY MUTUAL WATER	1500252	001	SUMMER TIME WATER OUTAGES NEED BACK-UP WELL; reranked to "O" from "E"; system drilled well using own resources	Have new wel drilled ajoining current system. Other - Construction/other: drilling	1998	$15,000
25	C	102	1	Cal Ore Trail Mobile Estates	4700546	001	Various water system components are old and near the end of their useful life.	System replacement.	1998	$50,000
25	C	110	18	Timber Cove County Water District	4900584	001	Repair storm damage at source and pumping station. Protect source from future damage.	Construct dike where creek banks washed out. Repair gravel to area scoured by storms.	1998	$75,000
25	C	110	18	Timber Cove County Water District	4900584	002	Source experienced severe silting and storm damage.	Install backflush system & repair pipes (flush lines for future silting).	1998	$20,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	125	2	EMIGRANT GAP MUTUAL WATER CO.	3103310	001	Existing water main is deteriorating; needs replacing.	Replace 820' of 4" steel pipe with 820' of 4" C-900 pipe and construct four new manifolds.	1998	$8,000
25	C	150	4	HHW&P Moccasin Compound-SFPUC	3810003	001	Need backup filtration for high turbidity events for filtration avoidance.	Construct filtration facilities and appurtrnaces.	2000	$200,000
25	C	180	13	Apple Valley Village MH Est	3600400	002	Single source system in need of backup source of supply	Consolidation with Apple Valley Ranchos	2002	$100,000
25	C	180	13	Apple Valley Village MH Est	3600400	003	Distribution mainline leaks.	Mainline replacement	2002	$250,000
25	C	195	13	Gordon Acres (Stewart WC)	3600297	003	The system has a poor mainline in need of replacement	Replace 1800 feet of mainline	2002	$50,000
25	C	200	2	Sierraville P.U.D.	4600018	002	Many known and some unknown problems with the water system. Some of the system is 52 years old with some old problems never solved.	Hire an engineer to completely evaluate the system, make a work order sheet, and do it.	1998	$50,000
25	C	250	3	Clearwater Mutual Water Company	1700546	002	The current system is not big enough to produce and store enough water for the current customer water needs. - This needs to be verified for ranking of project can be any higher	Install new clarifier and filter and larger storage tank.	2003	$225,000
25	C	250	21	WASHINGTON WATER DISTRICT	2900523	001	Wooden flume supporting transmission main to town needs replacement.	This flume runs adjacent to the South Yuba River. The flume needs complete replacement.	1998	$150,000
25	C	275	13	Lucerne Valley MWC	3600156	002	Frequent power outages interrupting water service	Purchase and install backup power generator	2001	$20,000
25	C	275	13	Lucerne Valley MWC	3600156	001	Mainline replacement	Construct mainline	1999	$150,000
25	C	300	1	Newell County Water District	2500801	002	Distribution system deteriorated, well/pump failure/unsafe storage	Replace/repair exisitng supply, storage, & distribution system	2004	$2,000,000
25	C	364	1	Weott C.S.D.	1200553	006	Need meters on the system to satisfy the State Water Rights Board requirement for renewal.	Purchase and install water meters at Sources A and B.	1998	$5,000
25	C	364	1	Weott C.S.D.	1200553	004	Water lines in poor condition and subject to frequent leaks.	Remove old steel lines and replace approximately six miles of water transmission lines.	1998	$110,000
25	C	364	1	Weott C.S.D.	1200553	003	Lack of adequate storage on A-line.	Install additional 50,000 gallon tank at the A-Tank site.	1998	$72,800
25	C	371	12	EASTON ESTATES WATER COMPANY	1000018	001	JOY ST. WELL PUMPS TOO MUCH SAND AND SEDIMENT	WELL NEEDS TO BE REDEELOPED & BOWLS, BEARINGS AND SHAFT NEED RESTORATION	1998	$30,000
25	C	380	2	Indian Valley CSD - Crescent Mills	3200510	002	Potential contamination of inground storage tanks, low water pressure	Hydrants, plant improvements	2001	$125,680
25	C	400	12	LSID - Tonyville	5410007	001	SURFACE SOURCE - RAW WATER STORAGE INADEQUATE REMOTE MONITORING CAPABILITY	RADIO SPREAD SPECTRUM TELEMETRY AND CONTROL. OTHER - DESIGN AND CONSTRUCTION	1999	$80,000
25	C	400	14	PALO VERDE COUNTY WATER DIST.	1300616	001	Two wells located near lake may be under the influence of surface water. Have had intermittent bacteriological problems.	Replace existing wells, with two new wells drilled at a better location.	2001	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	400	1	Myers Flat M.W.S. Inc.	1200538	002	Need to develop new source of gravity-flow water. Water delivery system already in place.	Develop unused spring source to prevent surface water influence and tie into system.	1998	$13,490
25	C	435	21	City of Tehama	5200504	003	With limited staff, we need to have the ability for more constant surveillance over our water system. Currently, it is too labor intensive and expensive for our small system to monitor our two wells on a daily basis. Our little city floods on a reg	We have had our system analysed to see what equipment would need to be installed to allow off site monitoring and control. Equipment would be added to allow offsite monitoring of: water level, pump flow, system pressure, power, chlorine residual, co	2008	$75,200
25	C	450	19	TRADEWIND WATER ASSOC.	1500406	001	Old storage tank needs to be refurbished because it is leaking. Air problems in our pressure system	Hire cirtified agent to sandblast and coat old tank. Need to install additional Air Vaccuum Valves to remove existing problem.	1998	$50,000
25	C	500	2	McKinney Water District	3110022	001	Main line leak repair. Using up the District's reserve funds; system installed in 1960. In dire need of replacement, between 3 and 5 miles of mains.	Replacement of all main lines.	1998	$1,500,000
25	C	550	19	EDMUNDSON ACRES WATER SYSTEM	1500190	001	WELL PRODUCES WATER EXCEEDING NITRATE MCL	DRILL A NEW WELL. OTHER - STUDY, DESIGN AND CONSTRUCTION	1998	$300,000
25	C	582	13	ARROWBEAR PARK CWD	3610110	004	Unprotected storage tank facilities	Install fencing around storage tanks	2001	$6,800
25	C	582	13	ARROWBEAR PARK CWD	3610110	003	Interior of storage tank shows signs of rusting	Tank recoating	2001	$19,500
25	C	600	19	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	001	SECOND WELL EXCEEDS ARSENIC STANDARDS - THEREFORE NO BACK-UP SUPPLY WHEN PRIMARY WELL IS UNDER MAINTENANCE	ACQUIRE PROPERTY, DRILL NEW WELL AND CONNECT TO SYSTEM	1998	$100,000
25	C	600	19	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	003	WELL WITH ARSENIC OVER THE MCL - CURRENTLY BLENDING WATER TO MEET MCL.	CONSTRUCT TREATMENT FOR ARSENIC. OTHER- DESIGN AND CONSTRUCTION	2000	$500,000
25	C	600	19	EDGEMONT ACRES MUTUAL WATER COMPANY	1500290	002	TWO COMPANIES SUPPLY WATER TO COMMUNITY. OTHER CSD HAS OPERATIONAL AND MANAGEMENT PROBLEM. THEY WOULD LIKE TO CONNECT TO EDGEMONT.	UPGRADE OTHER SYSTEM, PAY OF DEBT AND DISSOLVE OTHER CSD	1999	$250,000
25	C	675	1	Town of Fort Jones	4710003	001	Inadequate, reliable storage and supply. Current peak usage is 300,000 gal/day, current storage is 180,000 gal. Single pump output is 450/gal per minute. Storage capacity at 60% of peak usage does not adequately cover this rual community in the event o	Evaluate system to determine overall condition and to identify remedial and maintenance actions needed to minimize water supply disruptions and/or existing system losses. Evaluate appropriate storage volume for system and construct additional tank storag	2003	$75,000
25	C	725	12	WOODVILLE FARM LABOR CENTER	5400792	002	No improvements have been made to the distribution system since the farm labor center opened in 1937. Applicant anticipates that water mains will need to be updated or replaced in the near future.	Trench and remove old main water lines and replace with new lines and related system components to meet current and long term needs.	2006	$1,250,000
25	C	795	13	Daggett Comm Svcs Dist	3600086	001	Lack of transmission line to utilize well	Construct transmission line	1998	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	875	2	Placer CWA - Alta	3110024	001	General system improvement. Storage tank insufficient size.	Construct 500,000 gallon storage tank.	1999	$600,000
25	C	896	12	LINNELL FARM LABOR CENTER	5400631	002	Distribution system is old, and applicant anticipates that it will need replacing in near future.	Relplace water mains and related system components.	2006	$1,250,000
25	C	1018	3	Lake County CSA 2 - Spring Valley	1710018	001	Permanent structure required to protect creek water source from 100-yr stream flows.	Improvements to intake gallery & creek banks. Possibly construct new intake gallery or extend existing one.	1998	$200,000
25	C	1236	12	Laton Community Services District	1010020	003	Currently, the District has only one well tht has an auxillary power source, a diesel powered generator that was purchased through a surplus sale. Entire water supply is dependent on this generator during power outages.	Install a standby generator on District's newest well.	2003	$145,000
25	C	1300	1	McCloud C.S.D.	4710006	003	Occasional bacterial contamination of Upper and Lower Elk Spring sources caused by animals and vandals.	Construct building foundation improvements and seal Upper and Lower Elk Springs.	2004	$120,000
25	C	1499	12	Kettleman City CSD	1610009	004	OLD TANKS HAVE NEVER HAD INTERIOR COATING, BULID IN 1969	SANDBLAST AND INSTALL INTERIOR COATING. OTHER - DESIGN AND CONSTRUCTION	1998	$220,000
25	C	1499	12	Kettleman City CSD	1610009	001	GAC TREATMENT PROVIDED FOR BENZENE IN TWO WELLS-TASTE AND ODOR CONCERNS UNRESOLVED	INSTALL UV DISINFECTION AND GAC FOR TREATMENT. OTHER - DESIGN AND CONSTRUCTION	1998	$260,000
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	002	Inferior grade of steel pipe in distribution system needs to be replaced.	Engineer planning, design, and construction for replacement of 8 miles of pipe.	1998	$37,900
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	003	Operational problems for intake facility constructed in 1965.	Engineering planning for project	1998	$14,900
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	004	Operational problems with intake facilities constructed in 1965.	Upgrade existing intake facility.	1999	$195,000
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	007	Need Department requested study of impact of development on source. System has service connection limit based on intake in possibly vulnerable location.	A "Cumulative Impact Study" for Telegraph Creek drainage.	1998	$50,000
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	008	Problems with the wooden Rick Tank.	Construct new tank.	1999	$137,200
25	C	1500	1	Resort Imprvmt. Dist. #1	1210022	010	Inferior grade of steel pipe in distribution system. Mains have been constant source of leaks.	Engineering design and construction of pipe line.	1999	$2,841,000
25	C	1500	1	Redway C.S.D.	1210011	001	Insufficient water storage availability.	Increase storage capability by 270,000 gallons.	1998	$350,000
25	C	1579	11	TUD - Tuolumne City Water System	5510003	006	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS	1999	$18,000
25	C	1750	12	Home Garden CSD	1610007	001	Need new storage tanks	Remove rust and recoat tanks. Replace electric motor and pumps. OTHER - Design and Construction	1998	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	1904	12	Strathmore Public Util Dist	5410012	003	DISTRICT SOURCE IS FRIANT-KERN CANAL. THE TURNOUT FROM THE CANAL HAS A SCREEN WHICH IS MANUALLY CLEANED AND BUILDS UP WITH ALGAE.	INSTALLA TRAVELING WATER SCREEN IN THE EXISTING CANAL STRUCTURE.	1998	$110,000
25	C	1973	21	City of Biggs	0410001	001	delapitated water mains, no emegency power	replace water mains including hydrants, and generator	2003	$875,000
25	C	2229	20	Cabazon Water District	3310047	002	Construction of 32,500 LF of 16" and 12" diameter pipeline in response to a system review by DOHS. See attachment A	See attachment B	1998	$1,800,000
25	C	2400	1	Lake Shastina C.S.D	4710013	001	Have had coliform problems in distribution system suspected to be caused by biofilms.	Install appropriate equipment at each groundwater source that would facilitate automatic chlorination when pumps come on line.	1998	$45,000
25	C	2458	3	Clearlake Oaks County Water District	1710001	005	Upgrade reliability features and distribution system	Replace 4500 feet of aging AC pipe; improve reliability in dist sys	2007	$972,000
25	C	2458	3	Clearlake Oaks County Water District	1710001	002	Undersized and deteriorating clearwell.	Install new 500,000 gal clearwell.	1998	$500,000
25	C	2458	3	Clearlake Oaks County Water District	1710001	008	Asbestos mains are failing due to age and ground movement, causing potentially catastophic highway failure. Booster stations have no back-up power causing low pressure problems, potentially allowing backsiphonage and contamination.Replace 4500 feet of asb	Install 4500 feet of PVC main to replace existin concrete-asbestos mains in the Caltrans right of way.	2007	$501,500
25	C	2500	3	Nice Mutual Water Company	1710008	004	Treatment plant does not have automated filter effluent control system or corrosion control system.	Design and construct an automatic filter effluent system and corrosion control system.	1998	$100,000
25	C	2500	3	Nice Mutual Water Company	1710008	003	Treatment plant is subject to inundation by the 100-yr flood in Clear Lake.	Modify WTP piping to relocate pumps and motor controls above elevation 1332 ft.	1998	$240,000
25	C	2500	3	Nice Mutual Water Company	1710008	002	The WTP and pumps do not have a back-up power supply.	Purchase and install an electric generator set at the WTP site.	1998	$80,000
25	C	2500	3	Nice Mutual Water Company	1710008	001	One source of supply - Clear Lake.	To increase reliability, connect to Upper Lake CWD with 20,000 ft of 8 to 12 inch pipe and booster pump station.	1998	$1,900,000
25	C	2500	19	ERSKINE CREEK WC	1510009	002	Arsenic is high but not over the MCL at this time.	Construct arsenic treament plant.	2007	$100,000
25	C	2793	12	Pixley Public Util Dist	5410009	005	Low pressure problems	Drill a new well	2007	$1,000,000
25	C	2793	12	Pixley Public Util Dist	5410009	007	Wells are not centrally controlled or monitored	Install SCADA system	2007	$100,000
25	C	4011	3	Konocti County Water District	1710006	003	Undersized and aged raw water pipeline to water treatment plant.	Replace with 12 inch PVC pipe.	1998	$600,000
25	C	4198	14	Coachella VWD: I.D. NO. 11	1310011	004	Old, deterioating water mains installed in the 1950's are routinely leaking and/or breaking.	Replace distribution pipelines to prevent contamination caused by leaks or breaks in the pipelines.	2002	$2,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	7385	3	Golden State Water Co.-Clearlake System	1710002	002	Recent tests performed on the GAC have shown that GAC requires replacement.	GAC in contactor #2 will be replaced with regenerated GAC.	1998	$25,000
25	C	7385	3	Golden State Water Co.-Clearlake System	1710002	005	Cathodic protection in the plant's clearwell is required to prevent corrosion and maintain the integrity of the vessel.	Install cathodic protection in the treatment plant's clearwell.	1998	$20,000
25	C	7475	21	City of Live Oak	5110001	008	Unreliable water supply and insufficient fire flows. Water quality problems exist with the drinking water produced at Well No. 4. The use of this well is crucial in meeting source capacity requirements.	Solution requires determination of the causes of poor water quality for design and construction of improvements.	1998	$50,000
25	C	7475	21	City of Live Oak	5110001	009	Manual reading of water meters is costly and inefficient. With the anticipated increase in metering service connections the City faces a significant financial burden.	The automation of existing and future meters will allow the City to direct its scarce resources to other water enterprise improvements.	1999	$75,000
25	C	7475	21	City of Live Oak	5110001	007	Unreliable water supply and insufficient fire flows. Our system equipment currently consists of aging constant speed pumps which switch on and off many times per day. This system results in accelerated degradation of equipment and energy waste.	The replacement of existing pumps with variable speed pumps will prolong the life of the system and reduce energy and maintenance costs.	1998	$100,000
25	C	7475	21	City of Live Oak	5110001	003	Unreliable water supply and insufficient fire flows. The City cannot monitor well production, water treatment, or equipment status during after-hour and holiday operation.	The installation of telemetry lines and continuous monitoring instrumentation (e.g. flow, pressure, and chlorination) for each well would allow the City to provide safe and dependable water service.	1998	$25,000
25	C	9000	13	JOSHUA BASIN CWD	3610025	001	Groundwater basin in overdraft	Construct Surface Water Treatment Plant to minimize overdraft of groundwater basin	1998	$2,200,000
25	C	9000	13	JOSHUA BASIN CWD	3610025	005	120,000 feet of mainline are undersize (<8in diameter) for fire flow	Replace mains with 8-in diameter pipe	2007	$11,040,000
25	C	9000	13	JOSHUA BASIN CWD	3610025	004	Booster stations undersized for current demands	Rehabilitate and reconstruct eight booster stations	2007	$800,000
25	C	9000	13	JOSHUA BASIN CWD	3610025	003	No storage in remote parts of system	Construct 0.3 MG reservoir	1998	$300,000
25	C	9000	13	JOSHUA BASIN CWD	3610025	002		Construct 0.5 MG reservoir and boosters	2007	$700,000
25	C	11185	12	Lindsay, City of	5410006	003	Two existing wells are used to meet demand when canal is taken off-line. Under normal conditions, these wells are only adequate to meet system demand.	Develop a plan to identify locations for two new wells, including drilling several test wells to verify quantity and quality.	2006	$300,000
25	C	12138	12	City of McFarland	1510013	003	Two older wells need to be replaced	Drill a new well	2007	$1,000,000
25	C	15132	1	McKinleyville C.S.D.	1210016	003	Lack of storage and system supply reliability	Install a 2.5-million gallon reservoir and standby well	2007	$2,000,000
25	C	25528	12	Corcoran, City of	1610004	007	WATER SYSTEM EXPERIENCES WATER PRESSURE FLUCTUATIONS	INSTALL WATER STORAGE AND BOOSTER SYSTEMS, INCLUDING 1 MG RESERVOIR. OTHER - DESIGN AND CONSTRUCTION	1998	$1,200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	25528	12	Corcoran, City of	1610004	006	GENERALLY NON-METERED, HOWEVER, NEW DEVELOPMENTS ARE METERED. THE METERED HOMES GREATLY REDUCE WATER USE	INSTALL METER SYSTEM WIDE. OTHER - DESIGN AND CONSTRUCTION	1998	$1,800,000
25	C	25528	12	Corcoran, City of	1610004	004	OLD MASTER PLAN WHICH DOES NOT INCLUDE THE SECOND PRISION (ADDITIONAL 2,200 GPM DEMAND)	NEW WATER SYSTEM MASTER PLAN	1998	$100,000
25	C	25528	12	Corcoran, City of	1610004	001	EXISTING WELL FIELD DOES NOT HAVE ROOM FOR ANOTHER WELL	IDENTIFY NEW WELL FIELD, PURCHASE LAND AND WATER RIGHTS.	1998	$250,000
25	C	25528	12	Corcoran, City of	1610004	003	SERIOUS PRESSURE FLUCTUATIONS - SOUTHERN PORTION OF THE COMMUNITY DO NOT HAVE SUFFICIENT STORAGE CAPACITY.	INSTALL A 2 MG RESERVOIR AT BOOSTER STATION 3. OTHER - DESIGN AND CONSTRUCTION	1998	$960,000
25	C	34558	5	Marina Coast Water District	2710017	006	Pipeline pressure losses in the water distribution system	Complete feasibility study of system infrastructure to identify corrective action to solve problem	2002	$100,000
25	C	34558	5	Marina Coast Water District	2710017	002	Bayer Tank is not being operated efficiently due to structural deficiencies	Replace Bayer Tank	2002	$650,000
25	C	34558	5	Marina Coast Water District	2710017	003	need sufficient long-term water supply for the Marina Airport	Construct a 4,500 linear foot pipeline to supplement existing water line	2001	$300,000
25	C	34558	5	Marina Coast Water District	2710017	004	DHS recommends general inspection of Sand Tank, Reservoirs C, D, & E, and the FAAF elevated tank as they are showing signs of failure	Conduct storage tank inspections and develop feasibility study	2002	$75,000
25	C	34558	5	Marina Coast Water District	2710017	005	1994 study identified major pipeline deficiencies in the water distribution system and estimated that 1/4 of the system needs replacement	Complete feasibility study of system infrastructure to identify corrective action to solve problem	2002	$100,000
25	C	34558	5	Marina Coast Water District	2710017	001	need sufficient long-term water supply for the Marina Airport	Replace inadequate 300,000 gallon reservoir to meet current and planned demands	2001	$900,000
25	C	38500	20	Mission Springs WD	3310008	004	About 875 existing old plastic water service laterals between main and meter in the water system, serving Mission Lakes area, are leaking and required replacement.	Design and construction of 875+ new copper water service laterals to meet the WWS.	1998	$590,000
25	C	75076	15	VALLEY COUNTY WATER DIST.	1910009	005	Consolidation of the Valley View MWC and Valley County WD is planned. Need to construct new interconnections and one domestic well.	Design and construct new system interconnections to combine the two water systems as well as at least one new groundwater well.	2001	$800,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	011	Tie-in new reservoir to system	Construct Cajon Blvd transmission line from Scott Labs reservoir to Ogden reservoir site	2001	$1,900,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	003	Insufficient boosting capacity	Construct new Dally Sin Booster	1998	$85,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	009	Alternative transmission facilities needed	Extend Lower Pressure zone transmission main in Medical Center Drive	2000	$1,000,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	001	Replace older low production well	Construct new well Cajon Canyon	1998	$400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	C	173359	13	SAN BERNARDINO CITY	3610039	016	Undersized transmission line	Construct 36 inch 4133 ft Crosstown transmission line	2002	$867,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	015	Booster facility needed for Muscoy Drinking Water Restoration project	Construct 7500 gpm Ogden Labs booster	2002	$150,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	014	Transmission facility needed	Construct 36 inch 8500 ft Sycamore transmission main	2002	$1,750,000
25	C	173359	13	SAN BERNARDINO CITY	3610039	013	Booster facility needed	Construct new 7500 GPM Sycamore zone booster	2001	$150,000
25	P	48	1	Kneeland School	1200817	001	The submersible pump in the collection reservoir is over 15 years old.	Purchase a new pump.	1998	$2,500
25	P	100	10	HOLT UNION ESD-HOLT SCHOOL	3901374	001	AVAILABLE WATER GREATLY EXCEEDS MANY SECONDARY STANDARDS	TREATMENT TO BRING WATER INTO COMPLIANCE WITH SECONDARY STANDARDS	1998	$100,000
25	P	120	21	Nuestro School	5100142	001	System is over 30 years old. Repairs have been make-shift with various fittings and valves replaced in a "band-aide" manner. There are continuous problems and leaks.	Design and replace piping, fittings, and valves from the wellhead to storage tank to main outlet source.	1998	$5,000
25	P	130	1	Casterlin School	1200546	002	Filter system with inadequate capacity.	Install filtration with increased capacity.	1998	$70,000
25	P	175	3	Leggett Valley School	2300785	002	Old well and Mn & Fe treatment system in poor condition	Rehab well, new well pump, new Fe & Mn treatment system	2001	$25,000
25	P	500	5	COUNTY FAIRGROUNDS	4400725	001	Tanks and wells outdated and deteriorated - system serves 300,000 persons a year	replace aged water tanks, upgrade or replace two wells	2002	$200,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	005	Improvements needed to Area 1 distribution system	Install overflows, clean and inspect storage facilities	1998	$168,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	008	Inadequate supply to off base housing area	Installation of backflow devices	1998	$33,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	010	Standby equipment needs remediation	Remediate standby equipment	1998	$20,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	011	Distribution system needs remediation	Construct mainline, inspect and repair storage facilities	1998	$300,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	002	Inadequate backflow assemblies and meters throughout system	Install assemblies and meters	1998	$40,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	001	Safety climb devices on storage facilities inadequate	Install safety devices	1998	$20,000
25	P	2200	13	Inland Valley Development Agency-Norton	3610704	003	Irrigation system not equipped with backflow assemblies	Locate service laterals and install backflow devices to protect system	1998	$148,000
25	N	8	4	HHW&P-Early Intake Cpd-SFPUC	3810006	001	Need backup filtration for high turbidity events for filtration avoidance.	Install membrane filtration system with appurtenent facilities.	1999	$100,000
25	N	25	4	HHW&P-O'Shaughnessy Dam Cpd-SFPUC	3810005	001		Filtration system with appurtenent facilities.	1999	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
25	N	100	12	FCPG/KEARNEY PARK	1000094	001	PAST COLIFORM CONTAMINATION OF SYSTEM DUE TO NEW LINE INSTALLATION.	INSTALL A CHLORINATION SYSTEM AND A 10,000 GALLON PRESSURE TANK.	1999	$45,000
20	C	30	10	AVALOS, SILVIA	3901213	001	NITRATE ON VERGE OF EXCEEDING MCL IN SMALL, ONE WELL SYSTEM	THEY ASK FOR TREATMENT; HOWEVER, CONNECTION WITH LARGE SYSTEM MUST BE EXPLORED FOR FEASIBILITY	1998	$30,000
20	C	50	9	WOODFORDS MUTUAL WATER COMPANY	0202503	001	Replace old well.	Pre-app for future unseen needs.	1998	$0
20	C	54	11	PONDEROSA MOBILE HOME PARK	5500092	001	SYSTEM'S SOURCE CAPACITY COULD BE IMPROVED.	CONSTRUCT AN ADDITIONAL WELL.	1998	$60,000
20	C	60	21	FAIRWAY DOWNS MUTUAL WATER CO	5800572	001	Spring 1997 rain and flooding has caused continuous and persistent bacteriological problems with the well for this system.	Install chlorination system.	2015	$2,000
20	C	60	10	EL RIO MOBILE HOME PARK	3900569	001	SYSTEM WANTS A SECOND (OR NEW?) WELL PRESSURE TANK AND MAIN	DRILL WELL, INSTALL PUMP, MAINS AND PRESSURE SYSTEM	2000	$40,000
20	C	60	10	ALMOND PARK WATER SYSTEM	3900517	001	WELL IS OLD AND SYSTEM HAS NO AUXILARY POWER.	RENOVATE WELL, REPLACE PUMP, AND INSTALL AUXILARY POWER. CONSOLIDATE WITH NEIGHBORING SYSTEMS. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
20	C	65	18	Hollydale Mutual Water Company	4900581	001	Single well source which is flooded and submerged for extended periods during floods. Water does not meet secondary standards.	System can be connected with Russian River CWD and annexed to District. Various leaking steel lines with be replaced and hydrants installed. Abandon existing well.	1998	$750,000
20	C	65	14	HODGE BROTHERS DAIRY	3700783	003	Deteriorating water quality and infrastructure. Need to determine best methods of treating water.	Sample analysis and various treatment options, and purchase and installation of treatment facility. Water treatment method and design new storage and piping facility.	1998	$400,000
20	C	75	2	HAT CREEK HIGHLANDS MUTUAL WATER CO	4500023	003	Need to limit water consumption and to allocate charges related to individual consumption.	Install water meters at each improved lot.	2000	$17,000
20	C	75	19	PINON HILL WATER COMPANY	1500540	003	Twenty-five year old steel distribution reservoir leaks at welded seam.	Replace reservoir.	2001	$5,000
20	C	90	21	SHADY LAKE WATER ASSOCIATION	2900511	001	Need to replace redwood tank, coliform and need for additional storage	Replace tanks	2001	$50,000
20	C	95	21	Orland Mobile H.P.	1100445	001	The water system has experienced numerous bacteriological water quality failures. The existing well has shown positive raw water bacteriological samples.	Drill new well and install new electrical and holding tank.	2015	$15,000
20	C	100	2	VILLAGE GREEN	4500194	001	Need to upgrade and improve system.	Upgrade Chlorination process and distribution system.	1998	$3,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	100	10	WALNUT ACRES	3901113	001	SYSTEM NEEDS SYSTEM WORK TO BETTER DISTRIBUTE WATER	IMPROVE DISTRIBUTION SYSTEM AND INSTALL AUTO-TRANSFER SWITCH FOR AUXILIARY POWER UNIT. CONSOLIDATE WITH OTHER SYSTEMS. OTHER = DESIGN AND CONSTRUCITON	1998	$500,000
20	C	100	21	FLORISTON WATER SYSTEM	2900502	001	Spring source is ground water under influence, bacti MCL violations, Boil Order.	Treatment (filtering) facility should be installed. Design and construction involved.	2015	$100,000
20	C	105	10	MORADA ACRES WATER SYSTEM	3900512	001	SINGLE WELL SYSTEM WITH DETERIORATING STEEL LINE.	IMPROVE DISTRIBUTION SYSTEM WITH NEW, LARGER LINES. INSTALL AUXILIARY POWER. CONSOLIDATE WITH NEIGHBORING SYSTEM. OTHER = DESIGN AND CONSTRUCITON.	1998	$250,000
20	C	109	10	MORADA MANOR WATER SYSTEM	3900523	001	SINGLE WELL SYSTEM WITH DETERIORATING WELL.	REPLACE WELL AND INSTALL AUXILIARY POWER. CONSOLIDATE WITH NEIGHBORING SYSTEM. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
20	C	130	18	El Crystal Mobile Home Park	4900788	001	Aging infrastructure	Replace pipes and install meters	2001	$50,000
20	C	130	2	Greenhorn Creek Services District	3200188	003	Potential need for new booster station, decreased production at Well 02, dead ends.	Well 02 rehab, addition of booster station on Greenhorn Road, other distribution system improvements.	2006	$415,875
20	C	150	9	Kirkwood Meadows Pubilc Utilit	0210002	004	Inadequate distribution system.	Install main water lines from East Meadows III across Highway 88 and connect to KMA lines.	1999	$100,000
20	C	150	21	Willow Glenn Mobile H.P.	1100237	001	Low on source capacity.	Construct system improvements to correct problem.	1999	$50,000
20	C	150	20	ANZA PINES MOBILE HOME PARK	3301018	001	Inadequate water supply	See attached	1998	$58,878
20	C	158	10	MORADA ESTATES PWS	3900722	001	DISTRIBUTION SYSTEM PRESSURE PROBLEMS	CONSTRUCT PRESSURE TANK AND BOOSTER PUMP. CONSOLIDATE WITH NEIGHBORING SYSTEMS. OTHER = DESIGN AND CONSTRUCTION.	1998	$300,000
20	C	166	5	STRUVE RD WS #02	2700772	002	Well is sanding in.	Extend the main line from Pajaro/Sunny Mesa CSD to serve this water system	2001	$200,000
20	C	198	2	HAT CREEK WATER COMPANY, LLC	4500022	002	Current storage inadequate and does not meet I.S.O. Standards.	Install 40,000 plus gallon gravity storage tank with associated piping, controls and pump.	1999	$47,500
20	C	210	2	WOODRIDGE MUTUAL WATER CO	4500235	001	Need additional well, pipe system, pump and construction from wellhead to tanks.	New well and complete system to final usage.	1999	$50,000
20	C	220	19	SAN JOAQUIN ESTATES MUTUAL	1500575	002	Waterlines (service lines) to various properties are breaking are having to be repaired.	Replace existing lines to every property, estimated cost of each line is $1,100	2005	$66,000
20	C	250	9	MSA: EAST WALNUT GROVE PWS	3400106	001	Provide a new storage tank.	Construct a 250,000 gallon water storage tank. Involves design and construction.	1998	$250,000
20	C	250	9	MSA: EAST WALNUT GROVE PWS	3400106	002	Provide a new well and upgrade pipelines.	Construct 1,000 gpm well and upgrade pipeline distribution system. Involves design and construction.	1998	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	255	21	Wildwood Mutual Water Company	5100109	001	Old lines subject to cause problems any day. Some valves are frozen and thus cannon be operated.	Replace old lines when needed.	2000	$100,000
20	C	280	11	PEPPERMINT CREEK MHP #15	5500116	001	NEED TO INSTALL A STATIC MIXER, FILTER-TO-WASTE VALVE, BACKWASH METER, PLANT SHUTDOWN FEATURE, REPLACE SURFACE WASH SYSTEM, INSTALL ALARM SYSTEM, AND INSTALL PARTICLE COUNTER.	THE ABOVE ITEMS NEED TO BE INSTALLED TO IMPROVE THE PERFORMANCE AND RELIABILITY OF THE TREATMENT PLANT TO INSURE COMPLIANCE WITH THE SWTR.	1998	$32,000
20	C	280	17	COUNTY SERVICE AREA 11	4100582	001	In dry year, low water supply; need to improve water supply reliability.	Consolidate with another system. (Pescadero High School)	1998	$50,000
20	C	300	12	BADGER HILL ESTATES	5400710	001	LACK OF CAPACITY AS SUBDIVISION DEVELOPS	INCREASE STORAGE CAPACITY, INCREASE PUMPING CAPACITY AND DRILL NEW WELL.	1998	$500,000
20	C	304	3	Pine Grove Water System	1700526	001	Surface influenced spring. Subsized distribution system. Leaking storage tanks.	Hire hydrologist and spring developer to encase and enhance spring. Put liners in tanks. Rebuild distribution system.	1998	$100,000
20	C	400	1	Big Rock C.S.D.	0800532	005	The Big Rock CSDs water distribution system was installed in 1971 to satisfy the residential, commercial, and fire suppression needs of the Township of Hiouchi. It has been improved to a small extent over the years, but is generally nearing the end of i	The precise scope of construction is not entirely definable at this juncture, for an engineering plan must be developed. However, it is estimated that the Special District owns and operates about 10 miles of water distribution lines, 40 main valves, 15 b	2008	$2,450,000
20	C	400	1	Big Rock C.S.D.	0800532	004	The Big Rock CSDs water distribution system was installed in 1971 to satisfy the residential, commercial, and fire-suppression needs of the Township of Hiouchi. It has been improved to a small extent over the years, but is generally nearing the end of i	The Special Districts water source is the Smith River, a wild and scenic body of water that is not fully allocated, and our allocation limit is a little over 41 million gallons per year. An application with the California Water Resources Control Board	2008	$800,000
20	C	400	1	Big Rock C.S.D.	0800532	003	The Big Rock CSD currently owns two Redwood storage tanks that are about 300 yards distant from each other on a hillside, which cycle water during the summertime about every four or five days. A 100,000 gallon tank was built in 1971 and is leaking at the	The Special District needs to replace the 100,000 gallon Redwood tank with a 215,000 gallon or larger steel tank. The 50,000 gallon Redwood tank must be replaced with a 100,000 gallon or larger steel tank. The aging water distribution lines between them	2008	$450,000
20	C	400	1	Big Rock C.S.D.	0800532	001	System is experiencing increased water loss. System personnel unable to ascertain the nature and location of the losses.	Conduct a systems analysis to determine loss locations. Repair and reconstruct problem areas.	1998	$135,000
20	C	400	14	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938	003	Present chlorine facilities are dangerous and do not meet safety standards (gas chlorine) or fire department restrictions.	Convert eight sites to alternate disinfection systems.	1998	$246,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	510	2	STARLITE PINES MUTUAL WATER CO INC	4500195	001	Lack of chlorinator on second well, and lack of emergency generator not fulfilling Section 64560(a)(2) (protect the quality of the water) and Section 64560(a)(6) (minimize the effects of power supply failure) of the Waterworks Standards.	Install chlorinator and emergency generator to provide the reliability required by the Waterworks Standards.	1998	$2,400
20	C	510	2	STARLITE PINES MUTUAL WATER CO INC	4500195	002	More storage is needed.	Dig and complete new reservoir and enclose in storage house.	2001	$42,000
20	C	644	9	CalAm - Walnut Grove	3410047	001	General system improvement. Inadequate supply main.	Grand Avenue main replacement. Involves design and construction.	1998	$120,000
20	C	700	12	River Island Service Terr No. 1	5400665	001	HIGH RADON LEVELS IN WELLS, TURBIDITY PROBLEMS, BACTERIOLOGICAL FAILURES, VARIABLE WATER PRESSURES THROUGHOUT SYSTEM, AND PERIODIC INABLILTY TO MEET DEMAND.	INSTALL FILTRATION AND CHLORINATION SYSTEMS, 200,000 GAL. STORAGE TANK, 11,000 LF OF 8" C-900 PIPE AND CENTRAL PUMP CONTROL SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$440,000
20	C	725	12	WOODVILLE FARM LABOR CENTER	5400792	001	Needs new pressure tank - the old elevated tank is 60 years old and shows signs of physical deterioration.	installation of new 10,000 gal. Pressure tank	1998	$35,000
20	C	769	1	City of Etna	4710004	001	Distribution lines are old; storage tank is not large enough for summer demands; and intake facilities have deficiencies that are limiting flows.	Replace lines; increase storage; and improve intake facilities.	1998	$200,000
20	C	840	10	Hillsview Homes	5010007	003	One well has nitrate levels above MCL. Both wells contain TDS levels, which also exceed standards.	Install reverse osmosis treatment with 0.5 million gallon storage tank and boosters to supply existing system. Also purchase and install backup power generator.	2003	$1,300,000
20	C	840	10	Hillsview Homes	5010007	001	HIGH TDS SOURCE WATER. HIGH NITRATES HAVE NECESSITATED THE ABANDONMENT OF MOST WELLS IN WESTLEY.	DRILL NEW WELL IN LAIRD PARK AREA WHERE GOOD WATER IS AVAILABLE AND PIPE IT TO WESTLEY.	1998	$1,300,000
20	C	840	10	Hillsview Homes	5010007	002	The TDS level of the drinking water from two well sources are above current drinking water standards.	Install RO unit to remove TDS, install 500,000 gallon storage tank with booster pumps and auxilliary generator	2001	$1,285,000
20	C	861	10	San Joaquin County - Wilkinson Manor	3910024	002	WELL 1 ON STAND-BY DUE TO HIGH URANIUM LEVELS. MORE WATER NEEDED.	IMPROVE DISTRIBUTION, CONSTRUCT NEW WELL AND ADD AUXILIARY POWER. CONSOLIDATE WITH SEVERAL NEIGHBORING SYSTEMS. OTHER = DESIGN AND CONSTRUCTION	1998	$600,000
20	C	900	11	MALAGA COUNTY WATER DISTRICT	1010042	003	WELLS OPERATE INDEPENDENTLY AND DO NOT HAVE AVAILABLE REMOTE MONITORING OR CONTROL. POTENTIAL PROBLEMS DUE TO LOSS OF POWER OR MECHANICAL FAILURE.	INSTALL SCADA SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1999	$100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	1100	11	DEL REY COMMUNITY SERV DIST	1010035	002	VERY HIGH DEPT RATIO FOR SMALL COMMUNITY.	REFINANCE EXISTING LOANS.	1998	$2,911,500
20	C	1200	18	Penngrove Water Company (PUC)	4910003	002	Use of expensive Agency water	Consolidate to Canon Manor system	2003	$1,200,000
20	C	1495	1	City of Montague	4710007	001	Present storage tank is old and deteriorated. It was purchased as military surplus and placed in service in mid 1950s. The tank has approximately 1500 patches welded in place.	Construction of new 0.75 million gallon steel storage tank.	1998	$250,000
20	C	1670	1	Fieldbrook Glendale C.S.D.	1210020	001	Lack of water to an area within the District.	Install a water main, pump station and storage tank.	1998	$1,000,000
20	C	1879	2	Quincy Community S.D.	3210004	002	1997 Water Improvement Project	Install new water mains, valves, meters, hydrants	2002	$1,300,000
20	C	1879	2	Quincy Community S.D.	3210004	001	Spring and spring transmission line needs protection from erosion and vandalism.	New well and spring transmission line replacement.	1998	$1,500,000
20	C	1923	1	City of Dunsmuir	4710002	002	Infiltration and inflow high, lack of storage	Infiltration and inflow study, design repairs, construct storage	2003	$1,500,000
20	C	2000	11	MARIPOSA PUBLIC UTILITY DIST	2210001	001	THE SAXON CREEK RAW WATER PUMP STATION IS SUBJECT TO FLOODING FROM THE MERCED RIVER. IT WAS FLOODED DURING THE JANUARY 1997 FLOOD CAUSING ABOUT $500,000 DAMAGE.	RELOCATE THE AIR VENTILATION SYSTEM AND CONSTRUCT A CONCRETE ENCASEMENT AROUND EXPOSED CONDUITS.	1998	$163,000
20	C	2200	12	Poplar Comm Service Dist	5410026	001	INSTALL NEW WATER FACILITIES TO AN INCORPORATED AREA NORTH OF POPLAR	DRILL NEW WELL AND INSTALL DISTRIBUTION LINES. OTHER - DESIGN AND CONSTRUCTION	1998	$500,000
20	C	2500	3	Cobb Area County Water District	1710012	001	Boggs Spring needs redevelopment.	Bring in contractor specializing in spring redevelopment.	1998	$25,000
20	C	2500	2	City of Portola	3210003	001	Old deteriorated mainline in many areas. Chlorination system beyond its useful life. Fire hydrants undersized in some areas. Many service lines are deteriorated.	Replace deteriorated mainlines. Replace chlorination equipment. Install fire hydrants. Replace service laterals.	1999	$774,000
20	C	2568	1	Smith River C.S.D.	0810002	001	Extensive erosion to Rowdy Creek source.	Repair stream bank.	1998	$100,000
20	C	2568	1	Smith River C.S.D.	0810002	002	Pressure problems.	Complete a mainline loop with approximately 1,100 feet of 8-inch pipe.	1999	$70,000
20	C	3000	13	ALPINE WATER USERS ASSOCIATION	3610002	001	Refinance existing loan for distribution system improvements	Refinance	1998	$1,900,000
20	C	3239	12	Armona Community Services Dist	1610001	003	SYSTEM CONSISTS OF 2 WELLS AND A WTP AND STOARAGE FACILITIES WHICH ARE UNDER CONSTRUCTION. THE DISTRICT DOES NOT HAVE THE MEANS TO MONITOR THESE FACILITIES.	INSTALL A SCADA SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$80,000
20	C	3239	12	Armona Community Services Dist	1610001	001	NO STORAGE FOR FIREFLOW OR PEAK DEMAND	INSTALL TWO NEW STORAGE TANKS. OTHER - DESIGN AND CONSTRUCTION	1998	$400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	5200	3	Lakeport, City of	1710004	001	CT compliance difficult for wells under the influence of surface water.	Increase CT at well facilities by increasing storage.	1998	$600,000
20	C	5250	21	City of Williams	0610004	003	Sand traps on wells are worn out.	Replace existing sand traps on wells.	1998	$45,000
20	C	5412	17	Montara Water and Sanitary District	4110010	011	School house storage tank building is unreliable and needs replacement.	Replace and upgrade school house tank building.	1998	$393,000
20	C	5412	17	Montara Water and Sanitary District	4110010	012	System requires an additional storage tank for distribution system upgrades.	School house tank site additional 650,000.	1998	$405,000
20	C	5412	17	Montara Water and Sanitary District	4110010	010	System requires an upgrade of controls and instrumentation.	Controls and instrumentation	1998	$47,000
20	C	5812	14	Holtville, City of	1310005	001	Watermain breaks have resulted in numerous water outages. See attachment description (attachment 1)	Replace existing deteriorated and restricted cast iron water pipelines. See attached description and water system improvement map (attachments 2 and 3).	1998	$4,134,542
20	C	7500	7	TRACT 349 MUTUAL WATER CO.	1910160	001	The demand for water in the highly densified area we serve is outpacing our ability to maintain reasonable system pressure.	Enlarge our pump stations' pumping capacity and add new IMG reservoir. Project involves: Design to solve problem, and Construction	1998	$950,000
20	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	007	Currently, the Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1) has a number of issues to overcome related to the reliability and delivery of water to its population, as well as the economic viability of bringing its system up to	This planning study would address the economic viability of consolidating 5 small water systems within the existing Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1), as well as the long term, critical need of reliability regarding	2008	$300,000
20	C	10247	11	TUD - Sonora/Jamestown Water System	5510001	005	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS.	1999	$18,000
20	C	13550	21	City of Red Bluff	5210004	007	Low on source capacity in zone near 3MG reservoir.	Drill and construct a new well near the 3MG reservoir.	1998	$200,000
20	C	13550	21	City of Red Bluff	5210004	002	Existing SCADA system inadequate for system needs.	Complete redesign and installation of SCADA system.	1999	$252,400
20	C	13550	21	City of Red Bluff	5210004	010	Low water pressure, low fire flows and single line feed to the area's only hospital and medical complex.	Install a new well to supplement existing system.	1998	$200,000
20	C	13550	21	City of Red Bluff	5210004	012	Poor condition and leaks in 6" waterline in Garryana Drive.	Replace 6" waterline.	1998	$30,000
20	C	13550	21	City of Red Bluff	5210004	001	Cybernet computer model needs updating and calibration to field data.	Hire a computer water system consultant to improve existing model.	1998	$20,000
20	C	13550	21	City of Red Bluff	5210004	013	Poor condition and leaks in 6" waterline in Hickory Street.	Replace 6" waterline.	1998	$20,000
20	C	13550	21	City of Red Bluff	5210004	014	Poor condition and leaks in 6" waterline in Monroe Avenue.	Replace 6" waterline.	1998	$30,000
20	C	13550	21	City of Red Bluff	5210004	015	Poor condition and leaks in 6" waterline in First Street.	Replace 6" waterline.	1998	$20,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	14501	12	Shafter, City of	1510019	002	WATER QUALITY PROBLEMS	CONSTRUCT NEW WELL TO REPLACE WELL #10. OTHER - DESIGN AND CONSTRUCTION	1998	$250,000
20	C	16349	12	Avenal, City of	1610002	005	NO INTERIOR OR EXTERIOR COATING REPAIRS ON THE 5 STORAGE TANKS WITHIN THE SYSTEM. THE INTERIOR AND EXTERIOR TANK COATINGS HAVE COME TO THE END OF THEIR DESIGN LIFE.	INTERIOR AND EXTERIOR SURFACES OF THE WATER STORAGE TANDS WOULD BE SANDBLASTED AND CLEANED WITH EXISTING CATHODIC PROTECTION SYSTEMS WOULD BE INSPECTED AND REPLACED AS NEEDED. OTHER - DESIGN AND CONSTRUCTION	1998	$570,000
20	C	16349	12	Avenal, City of	1610002	004	SEVERAL OUTAGES OF THE 12" EMERGENCY/BACKUP PRESSURE PIPELINE CAUSING OPERATIONAL AND MAINTENANCE PROBLEMS. THE EXISTING 12" PIPELINE CATHODIC PROTECTION SYSTEM IS NON-OPTERATIONAL	INSTALL A NEW PRESSURE PIPELINE TO PROVIDE EMERGENCY/BACKUP SYSTEM AND FUTURE WATER SUPPLY TRANSMISSION SYSTEM AS GROWTH REQUIRES. OTHER - DESIGN AND CONSTRUCTION	1998	$4,260,000
20	C	19500	13	CITY OF ADELANTO	3610001	001	Making transition from wells in overdrafted basin to receiving state project water via the aqueduct	Construct SWTP to treat water from the aqueduct	2002	$24,000,000
20	C	19696	13	HI DESERT WD	3610073	001	Old, substandard mainline	Accelerate 12 year replacement plan to 2 years	1998	$10,000,000
20	C	23950	12	CWS - Selma	1010024	002	WELL 15-01 HAS DBCP AND RADIOACTIVITY CONTAMINATION OVER MCLS. ITS REACTIVATION WOULD INCREASE THE SYSTEM'S SOURCE CAPACITY AND AVOID THE NEED TO CONSTRUCT A NEW WELL.	DESIGN AND CONSTRUCT TREATMENT FACILITIES.	2001	$750,000
20	C	24900	12	East Niles CSD	1510006	006	A well casing collapsed resulting in loss of pump and well.	Drill a new well	2007	$750,000
20	C	24900	12	East Niles CSD	1510006	002	Loss of source due to Arsenic (550 gpm). Well No. 17 is now classified as inactive because Arsenic levels exceed 50 ppb MCL.	Drill a new well to a different depth and seal all but selected zone.	2003	$300,000
20	C	24900	12	East Niles CSD	1510006	005	Wells that need to be used for blending arsenic concentrations (not over the MCL) need to be replaced	Replace two old storage tanks that will be used for blending	2007	$420,000
20	C	26299	21	Paradise Irrigation District	0410007	003	Short fall in total treatment capacity.	Expand treatment plant by 6 MGD.	2001	$1,400,000
20	C	27597	5	Alco Water Service	2710001	001	System needs six disinfection facilities for well sites.	Install disinfection facilities & equipment at six well sites.	1998	$30,000
20	C	45892	4	City of Brentwood	0710004	007	Abandon the sub-standard private wells that may cause contmination to the aquifer where city uses for domestic water supply.	Sealing of shallow wells to eliminate the possibility of contamination.	1999	$1,150,000
20	C	45892	4	City of Brentwood	0710004	015	Install a SCADA system for water system automation.	Obtain and install a SCADA system to insure automated notification of system problems/	1999	$500,000
20	C	45892	4	City of Brentwood	0710004	010	Repalce manually controlled well valves with electronically controlled ones.	Replace the valves currently used with electrically operated ones.	1998	$30,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
20	C	45892	4	City of Brentwood	0710004	014	replace old and unreliable water meters with new ones.	Replace approximately 3500 outdated leaking inaccurate and unreliable meters.	1999	$1,400,000
20	C	45892	4	City of Brentwood	0710004	017	Provide potable water to a local park.	Connect well #9 to the city water distribution.	1998	$250,000
20	C	45892	4	City of Brentwood	0710004	016	Install chloramination systems at the wells to avoid potential water quality problems when mixing with the DWD chloraminated water.	Install equipment at each well site for chloramination in order to have our well water be compatible with the Randall-Bold treated water	1998	$450,000
20	P	35	1	MJUSD-South Fork Elementary School	2500514	001	The wellhead is presently below grade, producing the potential for contamination. Hard water results in calcium deposits on fixtures.	Redesign and build wellhead to raise it above grade to reduce potential for contamination. Add water treatment to system to remove hard water and eliminate calcium deposits.	1998	$21,895
20	P	40	13	Deep Springs College	1400068	004	Hard water	Install new treatment system	1998	$10,000
20	P	70	19	KIDS KOUNTRY PRESCHOOL	1503256	001	WELL - NO BACK UP SOURCE - LOW SOURCE - LOW PRESSURE	CONSOLIDATE WITH CALIFORNIA WAER SERVICE	1998	$10,000
20	P	90	14	MULBERRY UNION SCHOOL	1300556	001	Our well water cannot b used for anything involving student contact; we purchase expensive water for washing and drinking.	We propose to analyze the water, and design a system to filter and purify it to meet standards.	1998	$100,000
20	P	119	19	TEHACHAPI CHURCH OF THE NAZARENE	1502753	001	Coliform contamination of well. Unconfirmed E. coli.	Interconnect to another public water system or provide adequate disinfection contact time.	2000	$100,000
20	P	227	18	TOMALES HIGH SCHOOL	2100538	002	Research the feasibility of consolidating three of the school districts public water systems; Tomales High School (2100538), Tomales Elementary School (2100560) and Shoreline School Dist. Bus Garage (2100577). Consolidate and develop new sources, and in	Research, design, install a new distribution system. Project will include engineering, design, installation or treatment and control systems, installation of new distribution system and monitoring. Project to include approximately 5,000 feet of 8 inch wa	2008	$750,000
20	P	435	18	Wright Elementary School	4900694	001	Small school wants to connect to City	Connect	2005	$400,000
20	N	25	9	TURTLE ROCK COUNTY PARK	0202519	001	Replace old leaking tank.	Design and install a new 15,000 gallon steel tank meeting current AWWA standards.	1998	$24,000
20	N	25	20	COUNTRY CORNERS	3301946	001	Well in a business unit with a 5000 gallon storage tank.	Update system.	1999	$10,000
20	N	25	17	SAN MATEO COUNTY MEMORIAL PARK	4100536	001	Wishes to take over a system that has unfiltered surface water with coliform bacteria present.	Construct new water main. Feasibility study to consolidate water systems.	1998	$100,000
20	N	100	1	Sawyers Bar County Water District	4700517	001	Water intake at Jessup's Gulch is old and deteriorated.	Rebuild intake.	1999	$10,000
20	N	100	9	HAMILTON STREET PARK	3400359	001	Turbine pump is worn and needs to be replaced; installed in 1977; rated 49 percent efficiency	replace with submersible pump	2005	$15,000
20	N	215	13	Barstow Calico KOA	3600409	001	Well sanding	Construct new well	1998	$10,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	0	12	Kern County Water Agency	1510040	001	DISTRICT WILL REDUCE GROUNDWATER PUMPING BY REPLACING WITH SURFACE TREATED WATER. THIS IS AN IN-LIEU PROJECT TO PROTECT OUR GROUNDWATER.	INCREASE CAPACITY OF EXISTING PIPELINE BY REDUCING PUMPING HEAD.	1998	$750,000
15	C	48	10	MINERAL MOUNTAIN MUTUAL WATER	0500019	003	NO SHED OVER PUMP AND NO FENCING OF WELLSITE	CONSTRUCT SHED OVER WELL AND PUMP AND FENCE WELL SITE.	1998	$700
15	C	48	10	MINERAL MOUNTAIN MUTUAL WATER	0500019	001	SYSTEM FEELS IT NEEDS A NEW WELL	DRILL NEW WELL, INSTALL PUMP AND CONNECT TO SYSTEM	1998	$12,500
15	C	48	10	MINERAL MOUNTAIN MUTUAL WATER	0500019	004	CAN'T REGULATE WATER IN STORAGE.	INSTALL TELEMETRY TO LINK TANK WITH PUMP CONTROLS	1998	$3,500
15	C	50	12	PAPPAS & CO (FARM HOUSING)	1009006	001	THE 10,000 GALLON STORAGE TANK IS RUSTED OUT. NEED A REMOTE AUTO DIALER FOR EMERGENCY CONDITIONS.	REPLACE THE DETERIORATED STORAGE TANK AND INSTALL AN AUTO DIALER.	1998	$21,200
15	C	99	21	BERRY CREEK COMMUNITY SER DIST	0400016	002	Water system wells have sanding problems.	Install sand separators on wells.	1998	$20,000
15	C	100	18	Riebli Mutual Water Company	4900603	001	Current method of purification is by chlorination which leaves an undesirable taste.	Replace chlorinators with UV.	1999	$60,000
15	C	100	12	SOULTS MUTUAL WATER CO.	5400805	001	WELL CONTAMINATED WITH COLIFORM., LEAKING DISTRIBUTION SYSTEM, LOW WATER PRESSURE.	REPLACE DISTRIBUTION SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$75,000
15	C	100	1	Shadow Mountain MHP	4700803	001	Well pumps are old and deteriorated and near the end of their useful life.	Replace old well pumps with new pumps.	1998	$20,000
15	C	100	12	Westside Housing & Eco. Network	1009026	002	Old and undersized pipes (50-70 years)	Install new pipes	2005	$307,000
15	C	100	12	BELMONT WATER CORPORATION	1000004	001	DBCP levels exceed the MCL. Backup well occasionally has high levels of coliform.	Deepen the existing well or drill a new well.	1998	$30,000
15	C	135	1	Abrams Lake Mobile Estates	4700542	001	Various water system components are old and near the end of their useful life.	System replacement	1998	$50,000
15	C	140	11	BELLEVIEW OAKS MUTUAL WATER CO	5500042	004	NEED TO REPLACE OLD SERVICE LINE DUE TO RUST AND SAND PROBLEMS.	INSTALL 5,200 FEET OF NEW LINE.	1999	$260,000
15	C	140	11	BELLEVIEW OAKS MUTUAL WATER CO	5500042	003	NEED TO EXPAND SOURCES OF WATER. THE WELLS DRAW DOWN TO MARGINAL LEVELS IN AUGUST AND SEPTEMBER.	DRILL A NEW WELL, INSTALL A PUMP, AND CONNECT IT TO THE SYSTEM.	1999	$31,000
15	C	140	12	SUNRISE MUTUAL WATER CO	5400881	001	LACK OF SUFICIENT WAER PRESSURE TO ALL OUTLETS ON A CONSTANTS BASIS.	INSTALLATION OF A LARGER CAPACITY STORAGE UNIT AND LABOR SIZE MORE MODERN MAIN LINES AND IMPROVED SERVICE LINES	2000	$185,000
15	C	140	11	BELLEVIEW OAKS MUTUAL WATER CO	5500042	002	NEED LARGER STORAGE IN CASE OF PUMPING FAILURE AND/OR DISINFECTION CONTACT TIME IS REQUIRED.	REPAIR AND/OR REPLACE AGING STORAGE TANK AND INSTALL NEW 100,000 GALLON TANK.	1999	$238,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	140	11	BELLEVIEW OAKS MUTUAL WATER CO	5500042	001	NO DIRECT PIPELINE EXISTS FROM THE WELLS TO THE STORAGE TANKS. NO CHLORINE CONTACT WILL BE PROVIDED IF DISINFECTION IS EVER REQUIRED.	INSTALL 5,800 FEET OF 6 INCH DIAMETER LINE FROM THE WELLS TO THE STORAGE TANKS.	1998	$290,000
15	C	150	5	IVERSON & JACKS APTS WS	2701068	001	Water system has no storage. Needs 65,000 gallons storage.	Install storage tanks.	2000	$80,000
15	C	200	12	BIG CREEK COMMUNITY SERV DIST	1000005	002	Water mains are old and antiquated. System has experienced major leaks.	Replace approximately 5000 feet of distribution main pipeline.	2006	$40,000
15	C	200	12	BIG CREEK COMMUNITY SERV DIST	1000005	001	CURRENTLY USING UNFILTERED SURFACE WATER TO SUPPLY THE SYSTEM.	DRILL WELLS, ELECTRICAL TO PUMPS, PROVIDE PIPES, INSTALL DUAL SYSTEM (HOUSEHOLD AND AGRICULTURAL), INSTALL WATER MAINS. OTHER - DESIGN AND CONSTRUCTION	1998	$200,000
15	C	200	21	ROUGH & READY MHP WATER SYSTEM	2900530	001	Needs storage, needs new distribution system and well.	Construct new distribution system and well.	1999	$75,000
15	C	249	21	Black Butte Water Co.	1100404	001	One single well. There is a need for fire protection by increasing water volume availabity.	Drill an additional well and install related support equipment.	2002	$55,000
15	C	250	14	STUART WATER COMPANY	3700422	001	Repair underground storage tank. Repair/replace asbestos pipes and pump house.	Hire licensed contractor after bidding process.	1998	$50,000
15	C	260	10	FIDDLETOWN COMMUNITY SERVICE	0300019	001	TANK IS OLD AND IN NEED OF REPLACEMENT OR REPAIR	REPAIR OR REPLACE TANK	1998	$40,000
15	C	300	13	Owens Valley Water Company	1400005	003	Sand in drinking water	Install sand separator	2001	$10,000
15	C	300	13	Owens Valley Water Company	1400005	002	Dilapidated wooden fence surrounding water system facilities leaving them vulnerable to vandalism	Construct new chain link fence to protect water system facilities from vandalism	2001	$10,000
15	C	300	11	MD#46 AHWAHNEE RESORTS	2000293	001	THE SYSTEM MUST BE CHLORINATED TO MEET THE TCR. ITS RELIABILITY COULD BE IMPROVED BY THE INSTALLATION OF TWO NEW WELLS AND A TELEMETRY SYSTEM.	INSTALL TWO NEW WELLS AND A TELEMETRY SYSTEM.	1998	$130,000
15	C	310	3	Pine Mountain Mutual Water Co	2300591	002	Some sources not currently being used are subject to seasonal surface infiltration (wells 1,2,4 and spring). These are unapproved sources.	Install approved filter and monitoring systems for these water sources.	1998	$28,000
15	C	310	3	Pine Mountain Mutual Water Co	2300591	003	System needs engineering studies for future construction and maintenance and compliance with DOHS requirements.	Hire engineer to conduct studies and surveys.	1998	$14,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	336	21	Sutter Co. WWD#1 (Robbins)	5100107	004	The existing distribution system for the Community of Robbins currently charges its customers a flat monthly fee for water consumption. The County has had problems with excessive use and waste of the Communitys water supply. The County has installed seve	The project will include the purchase and installation of 100 touch read water meters and associated appertunances on the existing water distribution service laterals.	2007	$175,000
15	C	340	10	ARBOR MOBILE HOME PARK	3900831	002	SYSTEM LACKS FIRE FLOW DESIRED BY FIRE DEPARTMENT	BUILD 80,000 GALLON STORAGE TANK. OTHER = DESIGN AND CONSTRUCTION	1998	$100,000
15	C	353	10	Rabb Park Community Ser. Dist	0310015	001	LOW PRESSURE, INADEQUATE FIRE FLOW, NO METERS.	INSTALL NEW PIPELINES, HYDRANTS AND FLOW METERS. OTHER = DESIGN AND CONSTRUCTION	1998	$0
15	C	353	10	Rabb Park Community Ser. Dist	0310015	003	71 SERVICES HAVE NO METERS.	INSTALL METERS	1998	$14,100
15	C	499	6	SAN SIMEON CSD	4000568	003	Existing 8" line too small. Insufficient pressure and flow to customers	Construct 2400' upgraded parallel line.	2003	$280,000
15	C	499	6	SAN SIMEON CSD	4000568	001	Sea water intrusion from over pumping of ground water.	Additional wells and Desal Plant	1998	$1,000,000
15	C	499	6	SAN SIMEON CSD	4000568	004	Additional storage is required to meet fire flow requirements	construct additional storage tank for the fire flow requirements	2007	$600,000
15	C	820	6	Cuyama Community Services District	4210009	003	Water lines are old, corroded and deteriorating. Leaks are frequent.	New water lines need to be put in to replace the old lines.	2002	$2,000,000
15	C	856	2	City of Loyalton	4610001	001	Many problems with distribution system.	Hire an engineer to evaluate problems.	1998	$50,000
15	C	1020	3	Hopland Public Utility District	2310010	003	Need additional storage to connect to and serve the Pomo Indian Reservation which approx. 4 miles east of Hopland.	Add additional storage tanks and force main to reservation.	1999	$3,000,000
15	C	1020	3	Hopland Public Utility District	2310010	002	Approx 60% of main lines are steel lines which have been in the ground since 1950.	Replace old distribution lines.	1998	$1,000,000
15	C	1500	12	Pratt Mutual Water Co	5410033	001	WATER METERS	INSTALL WATER METERS. OTHER -DESIGN AND CONSTRUCTION	1998	$180,000
15	C	2025	3	Lower Lake County Water District	1710010	004	20 year old redwood tank at cache Creek plant. Relocated from another site and never sealed with use. Security risk.	Replace clearwell with 100K steel tank with bolted and locked lids.	1999	$70,000
15	C	2103	12	Caruthers Comm Serv Dist	1010039	004	INADEQUATE SUPPLY DURING SUMMER MONTHS	INSTALL WATER STORAGE TANK. OTHER - DESIGN AND CONSTRUCTION	1998	$450,000
15	C	2500	2	Mountain Gate C.S.D.	4510002	001	Need increased filter capacity; need pre-filtration Chlorination; and need system control.	Install filter vessel; Chlorinate at source pumps, and upgrade existing pump controls.	1998	$1,750,000
15	C	2535	14	Borrego WD	3710036	002		The pump house rehabilitation and facilities surveillance project proposes to replace eleven dilapidated pump house buildings, oleander hedges and chain link fences with modern, tightly sealed metal structures surrounded by security fencing and desert nat	2008	$886,584

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	2645	2	Chester Public U.D.	3210009	002	The District's source capacity of 1,363-gpm is nearly equal to it's maximum day demand of 1,319-gpm.	Drill and develop at least one additional well including land purchase, pump, and controls.	2002	$250,000
15	C	2645	2	Chester Public U.D.	3210009	001	Undersized 4" mains are creating low pressure during high demand periods.	Replace 3,600 feet of 4" mains with 6" mains.	1999	$90,000
15	C	2885	21	Sutter Community S.D.	5110007	001	Lack in storage capacity. Lack of standby power for well sources. Need to replace AC and galvanized water lines in system.	Construct one million gallon storage tank. Installation of three standby power units. Replace 2,100 lineal feet of 6" water line and 31 water service laterals.	1998	$888,000
15	C	3000	9	Lukins Brothers Water Company	0910007	005	Old, worn rotting pipes throughout system	Upgrade distribution	2002	$500,000
15	C	3000	9	Lukins Brothers Water Company	0910007	002	Old pipes for water main.	Install new lines.	2002	$4,500,000
15	C	3000	9	Lukins Brothers Water Company	0910007	004	No backup storage.	Install tank with supply pump and generator at Well 4.	1998	$400,000
15	C	3185	21	Yuba City Groundwater Region 1	5115001	002	aging GW treatment plant, poor yield well	rehabiliate GW treatment plant & construct new well	2007	$250,000
15	C	3422	21	City of Wheatland	5810004	002	Steel water lines dating back to early 1900's are in disrepair.	Install new PVC mains, 9300 feet total.	1998	$500,000
15	C	3434	11	TUD - Upper Basin Water System	5510012	010	LACK OF PLANT MONITORING EQUIPMENT FOR CRYPTO OPTIMIZATION.	INSTALL PARTICLE COUNTERS.	1999	$18,000
15	C	3554	1	Weaverville C.S.D.	5310001	007	The West Weaver Creek pressure zone has only one source of supply. An interconnection with the East Weaver Creek pressure zone will increase the source reliability for the West Weaver Creek pressure zone.	Construct water main intertie between West Weaver Creek and East Weaver Creek pressure zone. Refurbish PRV station.	1998	$29,000
15	C	3554	1	Weaverville C.S.D.	5310001	006	Miscellaneous water mains in distribution system are old and deteriorated.	Replace water mains.	2000	$446,000
15	C	3554	1	Weaverville C.S.D.	5310001	004	Open ditch that supplies water to West Weaver Treatment Plant is vulnerable to contamination.	Replace the open ditch with approximately 5,500 feet of 8-inch water main.	1999	$220,000
15	C	3800	3	Brooktrails Township CSD	2310009	002	Backwash water flows into Willits Creek	Build Backwas Pond's recycle backwash water to Lake Ada Rose or plumb backwash water into sewer.	2003	$130,000
15	C	3967	9	CalAm - Arden	3410045	001	General system improvement. Lack of supply reliability with largest source out of production.	Connect Ethan Way to City of Sacramento. Involves design and construction.	1998	$250,000
15	C	4000	11	PLANADA CSD	2410007	001	ABOUT 40 POLYBUTYLENE SERVICES ARE DEFECTIVE AND HAVE CRACKED, SPLIT, AND/OR BROKEN.	REPLACE THE DEFECTIVE SERVICES LINES WITH NEW LINES.	1998	$50,000
15	C	5500	3	Millview County Water District	2310006	001	District's raw water source drys up in summer. Supplementary raw water intake from river is in poor location.	Drill new wells and raw water river crossing.	1998	$200,000
15	C	6269	11	DELHI CWD	2410006	003	ONE OF THE DISTRICT'S FIVE WELLS HAD A HIGH NITRATE RESULT IN 1996.	INSTALL WELL HEAD TREATMENT TO REMOVE NITRATES.	1998	$400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	6963	3	Fort Bragg, City of	2310001	002	Deteriorating main transmission line (raw water), inefficient pumping system.	Replace 4000 L.F. of raw water transmission line and upgrade pumps and pumping station.	1999	$540,000
15	C	7120	13	WESTERN HEIGHTS WATER COMPANY	3610053	001	Two inactive high nitrate wells, and one old inactive well in water system	Construct new well	2002	$765,335
15	C	7500	12	North of the River MWD	1510041	001	Some water supply wells have unacceptably high nitrate and TDS. Well-head treatment is too expensive.	A new water line to transport this water to a point where it can be blended with better quality water. OTHER- Design and Construction.	1998	$1,600,000
15	C	7600	6	OCEANO COMM SERVICES DIST.	4010005	001	2 wells exceed the selenium MCL but are blended to comply with the standards.	Drill a new well in another area of the District	2007	$920,000
15	C	8508	10	ACWA Buckhorn Plant	0310012	003	WATER MUST BE ELEVATED 1300' TO GET TO TREATMENT PLANT. PRESENT DIVERSION PROVIDES EXTREMELY POOR QUALITY RAW WATER DURING WINTER STORMS.	Replace old pumping system to Buckhorn Water Treatment Plant with a more reliable gravity supply line; also improve source water quality to Buckhorn;	1998	$2,250,000
15	C	9018	9	Georgetown Divide PUD	0910013	004	Unstable conveyance system	Utilize source wtaer protection funds to stabilize conveyance system.	2005	$150,000
15	C	9500	16	MAYWOOD MUTUAL WATER CO. #3	1910086	001	There is a record of two samples collected from Well # 3 exceeded manganese standard (58 ug/L-1993 & 68 ug/L-1996). The well is a poor producer.	Design and construct a replacement well	1999	$350,000
15	C	11229	7	SIGNAL HILL - CITY, WATER DEPT.	1910149	009	The City still has in service approximately 3200 ft of very old Cast Iron Water mains that contain lead and cement joints, providing the possibility of contaminants with chronic health effects.	Remove and replace old cast iron pipelines with Class 52 Ductile Iron pipe.	1998	$384,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	002	Treatment process and water quality adversely affected by difficlult and inaccurate pH adjustments due to inadequate lime feed equipment.	Replace existing equipment with new dual-feed lime silo and spill contaminant wall. Involves design and construction.	1998	$190,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	004	Inadequate system reliability due to lack of looped transmission facilities.	Add second transmission main through Cedar Ridge. Involves design and construction.	2001	$740,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	005	Degradation of water quality due to substandard pipeline materials (ABS) and dilapidated steel pipeline.	Replace with standard water main materials. Involves design and construction.	1998	$80,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	009	Inadequate pumping capacity and reliability due to dilapidated mechanical and electrical equipment.	Rehabilitate pump station and add redundancy. Involves design and construction.	1998	$120,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	006	Inadequate system storage for diurnal demands and emergency reserves.	Add 3.0 MG storage tank. Involves design and construction.	1998	$1,800,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	003	Inadequate distribution system reliability due to routine failure of substandard pipeline material. Two phases.	Replace faulty material with standard waterworks pipeline. Involves design and construction.	1998	$895,000
15	C	11814	21	Nevada ID - Loma Rica	2910006	007	Inadequate system reliability due to lack of looped transmission facilities.	Add a second transmission main into the Alta Sierra System. Involves design and construction.	2000	$1,400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	11814	21	Nevada ID - Loma Rica	2910006	010	Degradation of treated water in storage due to dilapidated redwood tank at Cherry Creek.	Add 1.6 MG storage tank at David Way and abandon Cherry Creek tank. Involves design and construction.	1998	$1,200,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	004	Inadequate system reliability due to lack of looped transmission facilities.	Add second transmission main into the Oaks area.	1998	$210,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	003	Degradation of water quality due to deteriorated water mains and service lines(unlined steel).	Replace distribution system and service line with standard waterworks materials.	2000	$390,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	002	Inadequate reliability of raw water supply due to delivery system failures, freezing weather, and potential hazardous material spills within watershed.	Add a new raw water pump station at D.S. canal and transmission pipeline to Banner.	1998	$885,000
15	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	001	Unreliable raw water supply due to dilapidated, unlined earthen canal.	Replace pipeline.	2001	$7,000,000
15	C	14154	9	SCWA Mather-Sunrise	3410704	001	A well was abandoned and one was shut down. Also, all mechanical and electrical systems need rehab work. Many fire hydrants and distribution system valves are in poor repair and service line main connections are badly corroded.	Install additional distribution main to provide adequate fire flow capacity to the northeast part of the service area.	1998	$165,000
15	C	14154	9	SCWA Mather-Sunrise	3410704	005	Inadequate mechanical and electrical system.	Rehabilitate treatment facility.	1998	$300,000
15	C	14154	9	SCWA Mather-Sunrise	3410704	003	Poor water system mechanical and electrical facilities.	Rehabilitate water system mechanical and electrical facilities.	1998	$85,000
15	C	14154	9	SCWA Mather-Sunrise	3410704	002	Poor service lines.	Replace service lines.	1998	$250,000
15	C	17200	12	Coalinga-City	1010004	001	CUSTOMER WATER QUALITY COMPLAINTS ARE CAUSED, IN PART, BY THE AGE OF THE DISTRIBUTION SYSTEM AND OTHER UNKNOWN FACTORS.	RETAIN A CONSULTING ENGINEER TO STUDY THE ADEQUACY OF THE DISTRIBUTION SYSTEM.	1998	$100,000
15	C	21215	10	Riverbank, City of	5010018	001	NEED ADDITIONAL WELLS AND STORAGE TO MEET PEAK DEMANDS.	DRILL NEW WELL(S) ON REMOTE SITE AND CONSTRUCT STORAGE TANK(S).	1998	$1,500,000
15	C	21756	9	SSWD - North Highlands Service Area	3410025	002	Inadequate pressure and periodic disruption.	Replace with larger diameter water mains. Involves design and construction.	1998	$7,700,000
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	005	Potential MTBE contamination of major wells. Need replacement source	Construct SWTP using state project water	2001	$650,000
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	006	Standby well has nitrate levels 1/2 MCL. Well is not used as a potable water source.	Drill replacement well	2002	$225,000
15	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	013	structural integrity of reservoir questionable	replace reservoir	2001	$2,452,500
15	C	47065	9	City of West Sacramento	5710003	004	Lower pressure in the Southport area and only one service main across the Deep Water channel.	Extend the Harbor Boulevard water line under Bus 80 down Industrial Boulevard to the Southport area.	1998	$3,800,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	47065	9	City of West Sacramento	5710003	003	Add filter to waste capability to our current water treatment plant. The current water system is nearing peak flow at peak demand periods.	Design a filter to waste system and increase water treatment capacity.	1998	$1,000,000
15	C	47065	9	City of West Sacramento	5710003	002	Increased system storage capacity to help maintain water pressures in all flow situations.	Add a 3mg storage tank pumping system.	1998	$700,000
15	C	50530	12	Hanford, City of	1610003	001	COLORED WATER IN WELL NO. 17	CONSTRUCT FILTER SYSTEM AT WELL HEAD	1998	$350,000
15	C	66000	7	LAKEWOOD - CITY, WATER DEPT.	1910239	005	Aging water production wells, most being 46 years and older with two being 64 years old. Wells have reduced efficiency.	Drill and equip two new drinking water production wells.	2003	$900,000
15	C	76909	9	SSWD - Northridge Service Area	8410024	001	General system improvement. Water shortage problem and water quality problems.	Construct large diameter transmission pipeline from Folsom Lake.	1998	$22,333,064
15	C	76909	9	SSWD - Northridge Service Area	8410024	002	General system improvement. Inadequate water pressure and volume shortages.	Construct a 5mg storage tank with a large pumping station.	1998	$5,000,000
15	C	76909	9	SSWD - Northridge Service Area	8410024	007	General system improvement. District was chosen to serve the base after closure.	Provide new water source into McCAFB from NWD's existing system through the extension of the District's proposed transmission pipeline, including base system improvements to both the distribution and storage facilities.	1998	$8,200,000
15	C	76909	9	SSWD - Northridge Service Area	8410024	006	General system improvement. Contamination of pipes.	Funding to replace services.	1998	$700,000
15	C	76909	9	SSWD - Northridge Service Area	8410024	005	General system improvement. Process the change of place of use of PCWA water.	Obtain funding.	1998	$1,000,000
15	C	76909	9	SSWD - Northridge Service Area	8410024	004	General system improvement. Lack of circulation and distribution.	Construct a main extension from the north boundary of system to the south boundary.	1998	$1,164,000
15	C	76909	9	SSWD - Northridge Service Area	8410024	003	General system improvement. Refinance Bonds.	Obtain lower financing.	1998	$36,380,000
15	C	84184	16	SANTA MONICA-CITY, WATER DIVISION	1910146	006	Inadequate storage supply.	Aquire land and design/construct new 5 MG reservoir.	2002	$4,300,000
15	C	84184	16	SANTA MONICA-CITY, WATER DIVISION	1910146	005	Limited pumping capacity due to pump cavitation (suction side hydraulics)	Upgrade pumping facilities	2001	$220,000
15	C	84184	16	SANTA MONICA-CITY, WATER DIVISION	1910146	004	Forebay built in 1924 is deteriorating. This structure is a critical function to the treatment facilities on site.	Conduct detailed inspection, design rebabilitation project and contruction of reservoir improvements.	2000	$6,600,000
15	C	84184	16	SANTA MONICA-CITY, WATER DIVISION	1910146	003	Main system reservoir problems: Shortcircuiting, disinfection practices and inlet/outlet valve configuration which adversely affect the water quality, operation and reliability.	Install baffling system, recirculation pump, new valves and upgrade reservoir facility.	2000	$671,000
15	C	84184	16	SANTA MONICA-CITY, WATER DIVISION	1910146	002	Pressure to the system not sufficient when nearby reservoirs are low in supply.	Design/construct new pumping facility.	2001	$627,000
15	C	85703	2	City of Redding	4510005	005	Need source capacity	Drill new wells	2009	$4,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	85703	2	City of Redding	4510005	007	City has 40 to 80 year old cast iron pipe that has had numerous failures.	Replace the old pipe.	2009	$2,000,000
15	C	85703	2	City of Redding	4510005	002	Impacts to SCADA, and temporary of system controls resulting in a loss of security software upgrades.	Licensed radio frequency communications via South Fork Mountain, and related SCADA upgrades.	2007	$3,000,000
15	C	85703	2	City of Redding	4510005	003	No additional or backup water source for Keswick Dam Area.	System inter-tie with Shast Community Services District.	2007	$500,000
15	C	85703	2	City of Redding	4510005	004	Two potentially three wells with arsenic above acceptable levels (EPA MCL).	Arsenic removal at each well location.	2007	$7,500,000
15	C	108000	16	AZUSA LIGHT AND WATER	1910007	006	Refinance. Heth Reservoir (1MG) Griffith Reservoir (5 MG). Repairs and improvements to maintain storage and pressure for Zone 1 and 2.	Evaluate integrity of walls of both reservoirs and make necessary repairs and improvements. Project involves: Study to determine cause of problem and Design to solve problem.	1998	$250,000
15	C	108000	16	AZUSA LIGHT AND WATER	1910007	005	Refinance. Recondition Well #3 and Well #10 to maintain system storage and pressure.	Recondition motor and pump brush casing perforations and new column pipe. Well #10 rotate discharge head and install new pump control valve, new meter, check valve and new pump house.	1998	$175,000
15	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	008	Large pressure fluctuations due to aged and undersized pipelines	Construction of approximately 10,600 L.F.36-inch steel water main	2005	$2,260,000
15	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	009	Two tank sites lack proper drainage courses and storm drains to convey water flow in the event of a tank rapture	Modify various tank sites with water diverting system to control the flow of water in the event of a tank rupture	2005	$321,000
15	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	007	Part of the existing water supply system un-even pressure flow	Construction a new water main approximately 8000 lineal feet of 36-inch diameter steel water main.	2005	$2,670,000
15	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	010	Retrofit exsiting chlorination station with ammonia injectors to chlorinate their well water	Retrofit existing chlorination stations with ammonia injectors to chloraminate well water	2005	$5,000,000
15	C	170000	9	Sacramento Suburban Water District	3410001	002	Inadequate pressure and periodic disruption due to aged, leaky and small diameter water mains.	Replace with larger diameter water mains. Involves design and construction.	1998	$30,900,000
15	C	177000	14	Oceanside, City of	3710014	003	Existing regulator station has deteriorated to the point of being hazardous.	Design and construction of a new pressure regulator station serving the peacock Hills area.	1998	$495,000
15	C	177000	14	Oceanside, City of	3710014	006	Transport groundwater to link the Wire Mountain pressure zone and Heritage zone.	Mission/Foussat to El Camino Real water line design and construction to provide transport of groundwater to various distribution points.	1998	$1,000,000
15	C	457511	11	FRESNO, CITY OF	1010007	005	GROUNDWATER OVERDRAFT AND DECLINING WATER TABLE HAVE DICTATED THE PROPOSED CONSTRUCTION OF A 20 MGD SURFACE WATER TREATMENT PLANT. THE RAW WATER CANAL TO THE PLANT IS EXPOSED TO SIGNIFICANT CONTAMINATION HAZARDS.	CONSTRUCT IMPROVEMENTS TO THE RAW WATER CONVEYANCE TO PROVIDE SOURCE WATER PROTECTION.	1998	$4,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	C	457511	11	FRESNO, CITY OF	1010007	001	INSUFFICIENT EMERGENCY BACKUP POWER FOR GROUNDWATER PUMP STATIONS. DURING AUGUST 1996, A POWER OUTAGE CAUSED PRESSURES TO DROP TO 0-10 PSI THROUGHOUT THE SYSTEM FOR MORE THAN 24 HOURS.	INSTALL DIESEL-POWERED ELECTRICAL GENERATORS AT 28 PUMP STATIONS.	1998	$1,500,000
15	P	60	1	Quartz Valley School	4700847	001	Water system components, added over time, are in two separate locations making operation and maintenance more difficult.	Relocate old pressure tank and other components to location of new components, and possibly replace old pressure tank with new one.	1998	$1,500
15	P	100	11	PLAINSBURG ELEMENTARY SCHOOL	2400065	001	SHALLOW WELL WITH NITRATES UNDER THE MCL.	DESIGN AND DRILL A NEW WELL.	1998	$40,000
15	P	120	21	Fouts Springs Youth Facility	0600041	002	Leaking Pipeline	Replace Pipeline	2003	$450,000
15	P	155	11	CRESSEY SCHOOL	2400097	001	THE WELL HAD A DETECTABLE LEVEL OF DBCP (0.03 PPB) IN 1995. A SAMPLE COLLECTED IN 1997 WAS ND FOR DBCP.	CONSTRUCT A NEW DEEPER WELL.	1998	$25,000
15	P	200	21	Pleasant Grove Elem. School	5100143	001	Current drinking water system pipes are over 40 years old and need in-ground replacement. We are currently experiencing leaky and damaged pipes.	Repair and replace in-ground drinking water lines.	1998	$5,000
15	P	200	21	Marcum Illinois Elementary School	5100140	001	Well and transmission lines are old and need repair/replacement.	New pump and lines would correct problems and provide for increased use.	1999	$7,000
15	P	260	2	Richmond Elementary School	1800573	001	Miscellaneous minor water system improvements.	Improve minor system deficiencies.	1998	$0
15	P	300	12	ISLAND UNION SCHOOL	1600017	001	HIGH LEAD (IN WELL AND DISTRIBUTION), PH AND COLOR. NO BACK-UP POWER SOURCE	REPLACE UNADEQUATE POWER PANEL, DRILL NEW WELL, REPLACE EXISTING DISTRIBUTION SYSTEM. OTHER - DESIGN AND CONSTRUCTION	1998	$50,000
15	P	500	10	CHATOM SCHOOL (EH)	5000101	001	WATER TANK BADLY CORRODED	REPLACE WATER TANK.	1998	$195,000
15	P	500	14	MEADOWS UNION SCHOOL	1300554	001	Age of our system is a concern. It was built in the early 50's. Would like to be able to up grade our small water system.	Replace with new water system, 10K. Storage with a minimum of 10GM.	2001	$75,000
15	P	500	9	CAVANAUGH GOLF COURSE	3400104	001	Current galvanized casing of well will corrode and needs to be replaced.	Replace gavanized casing with stainless steel.	2000	$80,000
15	N	25	10	MODESTO RESERVOIR	5000164	001	SAND IN SYSTEM	RE-DEVELOP OR RELOCATE WELL AND INSTALL FILTERING SYSTEM. OTHER = STUDY, DESIGN AND CONSTRUCTION.	1998	$35,000
15	N	25	13	CROWLEY LAKE CAMPLAND	2600503	001	Peak hourly flow inadequate	Construct new 120k gal tank, improve well production	1999	$110,000
15	N	25	20	EOC WELL - PALM SPRINGS	3301557	001	Still active system, project is to install treatment on a well 7 pres tk system to supply Palm Springs City Hall EOC in an emergency. Well violates seondary Mn Standard.	Necessity to correct fractures to well system caused by natural disaster	1998	$40,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
15	N	2500	2	Caltrans-Hillcrest SRRA	4500283	001	No filtering system. There is dirt in drinking fountains and clogged faucets. In addition, there are stains on urinals and toilets.	Install commercial filtration system.	1998	$20,000
10	C	0	6	UNITED WTR CONS DIST	5610046	002	Develop groundwater guardian program and well head protection program.	Develop groundwater guardian program to promote well head protection by involving all affected parties including agriculture, urban interests and the public.	1998	$50,000
10	C	0	12	Kern County Water Agency	1510040	004	Growth in Bakersfield area has led to overall degradation of groundwater, including oilfield, pesticide and nitrate contamination buildup, often requiring wellhead treatment or well abandonment.	Upgrade existing surface water treatment plant from 45 MGD to 90 MGD to supply water to member water agencies.	2003	$34,000,000
10	C	0	6	LOPEZ PROJECT	4010022	002	Upgrade the Lopez Terminal Reservoir to protect water quality.	Study, develop an engineered solution to problem and construct same.	1999	$150,000
10	C	37	10	OID #49 - GILBERT	5000092	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. CORRODED HYDROPNEUMATIC TANK.	INSTALL ELECTRICAL GENERATOR. INSTALL NEW HYDROPNEUMATIC TANK. OTHER = DESIGN AND CONSTRUCTION.	1998	$95,000
10	C	40	9	GREGG WATER CO	3400130	001	Wells and small private systems are unreliable with poor water quality, inadequate emergency supply and fire protection.	Replace multiple systems with reliable potable water system; a new 1,000 gpm well and upgrade pipeline distribution system. Involves design and construction.	1998	$180,000
10	C	40	9	GREGG WATER CO	3400130	002	Wells and small private systems that are unreliable with poor water quality and cannot provide adequate emergency supply.	Construct a new 250,000 gallon storage tank for emergency water supply. Involves design and construction.	1998	$250,000
10	C	63	19	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455	003	Storage is inadequate to meet peak flow - fire flow demands	Replace two 10000 gallon tanks with one 50000 gallon tank.	2007	$160,000
10	C	70	12	SEQUOIA CREST WATER CO	5400701	003	HIGH RATES DUE TO SMALL CUSTOMER BASE WITH WATER SYSTEM STILL LOSING	REFINANCE LOANS	1998	$90,000
10	C	80	19	OASIS PROPERTY OWNERS ASSOCIATION	1500585	002	Not enough water pressure in the summer time	Putting water storage tanks with booster pump	2005	$85,000
10	C	80	19	OASIS PROPERTY OWNERS ASSOCIATION	1500585	001	Well sanding due to corrosion of well casing	Drill new well and install storage tank	2000	$250,000
10	C	93	5	SAN MIGUEL WS #22	2702073	002	Need source protection (fencing for wells and storage tanks).	Erect fencing for wells and storage tanks.	1998	$21,302
10	C	93	5	SAN MIGUEL WS #22	2702073	001	System has water conservation problem.	Install water meters.	1998	$9,450
10	C	120	6	SILVER WHEEL TRAILER PARK	5602116	001	Upgrade the distribution facilties and well.	Replace pipe lines and refurbish well.	2000	$120,000
10	C	126	5	VILLA CASA APARTMENTS WS	2701046	001	Water system has no storage. Needs 90,000 gallons storage.	Install storage tanks	2000	$100,000
10	C	129	10	OID #45 - LOUIS MEYER	5000013	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION.	1998	$30,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	130	5	ARROYO CENTER WC	2701658	004	[Wells] need a flowmeter with a totalizer [as required by the Monterey County Health Dept. to determine weekly water use] (Improvement of distribution system facilities)	Install flowmeter with totalizer	2000	$1,000
10	C	147	10	OID #41 - MOUNTAIN VIEW	5000016	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. DISTRIBUTION SYSTEM FAILING.	INISTALL ELECTRICAL GENERATOR. REPLACE DISTRIBUTION SYSTEM. OTHER = DESIGN AND CONSTRUCTION	1998	$155,000
10	C	150	10	OID #22 - WILLIAMS TRACT	5000015	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POSER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION.	1998	$30,000
10	C	150	10	OID #22 - WILLIAMS TRACT	5000015	002	NEED BACK-UP WATER SOURCE	DRILL BACK-UP WELL. OTHER = DESIGN AND CONSTRUCTION	1999	$125,000
10	C	150	1	HRC C.S.D.	0800556	001	Distribution system is 40 plus years old and fire hydrants are too small. Existing redwood storage tank is 50 years plus old and leaking.	Build storage tank and install larger distribution line to replace old line. Provide fire hydrants.	1998	$250,000
10	C	150	20	Reche Canyon MWC	3301541	001	System does not meet peak water demand resulting in outages. Supplemental water is needed.	Install water meters and 6" pipeline 3,800 ft to connect to available city water.	1998	$500,000
10	C	150	20	Reche Canyon MWC	3301541	002	System does not meet peak water demand resulting in outages.	Planning study to determine solution for problem.	2005	$100,000
10	C	157	10	OID #52 - DEO GLORIA	5000355	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION	1998	$30,000
10	C	183	10	NORTH OAKS MUTUAL WATER CO	5000237	001	NEED SECOND WELL FOR RELIABILITY AND FLEXIBILITY	UPGRADE EXISTING 100 HP AG WELL	1998	$65,000
10	C	200	11	LEISURE PINES MUTUAL WATER CO	5500053	001	SYSTEM LACKS WATER RELIABILITY.	INCREASE DEPTH OF EXISTING WELL FROM 325 FEET TO EITHER 600 FEET OR 1000 FEET DEPENDING ON ITS CAPACITY. INSTALL NEW PUMP, METER, AND WIRING.	1998	$60,000
10	C	250	6	SAINT MARIE MOBILE HOME PARK	4200842	001	Needs to upgrade the distribution system.	Replace storage tank and install new piping, pump station and fire hydrants.	1998	$250,000
10	C	269	10	OID #46 - SUNSET OAKS	5000014	002	LOW PRESSURES IN HIGHER ELEVATIONS.	INSTALL BOOSTER STATION. OTHER = DESIGN AND CONSTRUCTION	1999	$40,000
10	C	269	10	OID #46 - SUNSET OAKS	5000014	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. PRESSURE TANK FAILING.	INSTALL ELECTRICAL GENERATOR AND NEW PRESSURE TANK. OTHER = DESIGN AND CONSTRUCTION.	1998	$75,000
10	C	287	10	OID #51 - SUNSET OAKS #10	5000317	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING PWER FAILURES.	INSTALL ELECTRICAL GENERATOR. OTHER = DESIGN AND CONSTRUCTION.	1998	$40,000
10	C	597	19	NORTH EDWARDS WD	1510052	001	DISTRIBUTION SYSTEM IMPROVEMENTS	REPLACE OF EXISTING METERS, AND UPGRADE WELLS 1 AND 2 FACILITIES AND FOUNDATION.	1998	$75,000
10	C	600	6	AVILA BEACH COMM SERVICE DIST	4000222	001	Needs to improve deteriorated storage tanks.	Design and construct water tank repairs	1998	$120,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	600	6	AVILA BEACH COMM SERVICE DIST	4000222	002	Needs to upgrade deteriorated distribution lines.	Design and construction of water line replacement	1998	$240,000
10	C	700	13	CSA 42 Oro Grande	3600220	002	Unreliable telemetry system	Enhance ability to operate and montior unattended sites throughout water distribution system.	2000	$25,000
10	C	775	1	Gasquet C.S.D.	0800555	003	Extreme cost of additional treatment facilities.	Study to determine feasibility of developing wells to supply ground water versus the present use of river water.	1998	$7,000
10	C	775	1	Gasquet C.S.D.	0800555	004	Inadequate source water protection. Inability to pump water from raw river source due to contamination by hazardous materials spills from Highway 199.	Purchase a 150 GPM trailer-mounted pump with chlorination facilities and prepare river access for use of alternative source.	1998	$24,000
10	C	850	2	Lake Almanor Country Club MWC	3210006	001	Corroded and undersized water mains causing high leakage rates and inadequate fire flows.	Replace existing water mains that are corroded and undersized along with service laterals.	1998	$4,000,000
10	C	896	12	LINNELL FARM LABOR CENTER	5400631	001	Old 60 years old elevated storage tank. Wants to install a new ground elevation pressure tank.	Installation of new 10,000 gal. Pressure tank	1998	$50,000
10	C	1162	10	OID-OAKDALE RURAL WATER SYSTEM #1	5000433	001	LIMITED WATER STORAGE RESULTING IN OUTAGES DURING POWER FAILURES. PRESSURES FLUCTUATE AS BOOSTER PUMP CYCCLES ON AND OFF.	INSTALL ELECTRICAL GENERATOR. INSTALL PRESSURE TANK. OTHER = DESIGN AND CONSTRUCTION.	1998	$75,000
10	C	1300	13	BASELINE GARDENS MWC	3610007	002	Well #4 not connected to system	Purchase and install pressure tank and associated appurtenances to activate well 4	1998	$100,000
10	C	1300	13	BASELINE GARDENS MWC	3610007	001	System currently not metered	Purchase and install meters	1998	$300,000
10	C	1300	13	BASELINE GARDENS MWC	3610007	003	Interior coating failure on storage tank	Recoat tank	1998	$100,000
10	C	1670	13	SBDNO COUNTY SERVICE AREA W-1	3610060	001	Mojave Water Agency Morongo Basin pipleine aqueduct water available but untreated surface water	Design and purchase a small package surface water treatment plant to utilize Morongo pipeline water allotment	2000	$100,000
10	C	1700	6	WARRING WATER SERVICE INC	5610021	002	No additional storage for emergency situations.	Repair and upgrade the reservoir.	1998	$100,000
10	C	2103	12	Caruthers Comm Serv Dist	1010039	005	NO STANDBY POWER AT THE PRIMARY WELL.	INSTALL STANDBY GENERATOR AT WELL 3 LOCATION. OTHER - DESIGN AND CONSTRUCTION	1998	$90,000
10	C	2103	12	Caruthers Comm Serv Dist	1010039	010	Existing standby power facilities at Well No. 4 has exceeded the design life expectancy and is presently experiencing operational difficulties.	Add standby power facilities at Well No. 5.	2004	$100,000
10	C	2103	12	Caruthers Comm Serv Dist	1010039	001	LOW CAPACITY, NO STANDBY POWER, AND SANDING AT WELL 4.	INSTALL AUTOMATIC TRANSFER SWITCH TO STANDBY POWER AT WELL 4. INSTALL SAND SEPERATOR. OTHER - DESIGN AND CONSTRUCTION	1998	$190,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	3000	10	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	001	Excessive heat in raw water pump stations.	Design and install adequate air conditioning for pump stations.	2007	$250,000
10	C	3019	13	SHEEP CREEK WATER COMPANY	3610109	001	Alternate source of water needed	Construct new source	1999	$10,521,466
10	C	3300	5	Seaside Municipal Water System	2710018	005	Only one well is in operation - need a back-up well.	Drill new well. Also, will need pumphouse, emergency power, new connections, etc.	1999	$850,000
10	C	3300	5	Seaside Municipal Water System	2710018	004	Portable generator needed in case of power outage.	Install on-site generator at well #3.	1998	$75,000
10	C	3600	11	LAKE DON PEDRO C S D	5510008	001	INADEQUATE CLEANING OF FILTER MEDIA DURING BACKWASHING, INTERIOR STRUCTURAL DAMAGE TO THE FILTERS COULD CAUSE VESSEL FAILURE.	INSTALL TWO NEW FILTER VESSELS WITH SURFACE WASH FACILITIES.	2000	$180,000
10	C	4575	10	Keyes Community Services Dist	5010009	002	LACK OF BACKUP POWER TO PUMP WATER DURING ELECTRICAL POWER OUTAGES.	INSTALL GENERATOR. OTHER = DESIGN AND CONSTRUCTION	1998	$150,000
10	C	5237	3	Calistoga, City of	2810002	010	Present booster pump station is in floodway, has been flooded a number of times.	Relocate pump station to area not impacted by floods.	1999	$100,000
10	C	5237	3	Calistoga, City of	2810002	007	Fiege Canyon storage tank needs tank recoating inside, paint outside, upgrade to OSHA regulations and seismic standards.	Drain and clean tank, recoat with epoxy, clean outside of tank and paint.	1998	$100,000
10	C	5237	3	Calistoga, City of	2810002	009	Present spillway at Kimball Dam has 4 ft of flashboards installed every March and removed at end of summer. If heavy storm hits after flashboards installed, unable to remove boards to keep level of reservoir down.	Install inflatable spillway barrier to allow releasing water safely if major storm hit.	1999	$100,000
10	C	5237	3	Calistoga, City of	2810002	008	Present Kimball transmission line in existing vineyard area is subject to possible major damage from farm equipment.	Relocate new main along roadway.	2000	$1,000,000
10	C	5458	10	ACWA Sutter Creek	0310003	004	Amador Canal is vulnerable to contamination and periodic structural failures	Extend life of canal through improvements or replace with 8 mile pipeline.	2000	$6,000,000
10	C	6875	9	City of Winters	5710005	002	System is separated into four separate zones, which are not reliable. These zones are supplied by single well with no storage.	Construct physical connections between zones and change existing one speed motors to variable speed, install telemetry and remove contaminated well once zones are connected.	1998	$650,000
10	C	6875	9	City of Winters	5710005	001	Large water demand; system cannot handle.	Install service meters, purchase meter testing and reading equipment. Perform rate study with recommendations for rates and conservation measures.	1999	$450,000
10	C	6875	9	City of Winters	5710005	003	Aging steel pipes; delivery and pressure problems occur.	Replace existing distribution and transmission lines with new mains. Replace all pipes with leaded joints and replace service lines where mains are replaced.	1999	$1,500,000
10	C	7400	13	CRESTLINE VILLAGE CWD - DIVISION 10	3610015	002	Dart Canyon area supplied by individual private wells	Annexation of area into CV water district	1999	$1,815,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	16075	19	ROSAMOND CSD	1510018	003	LOCATE AND DEVELOP A NEW SOURCE OF GROUND WATER	DRILL WELL, INSTALL MOTOR, AND CONNECTING LINES TO EXISTING SYSTEMS	1998	$200,000
10	C	16571	19	ANTELOPE VALLEY E KERN WTR AGY	1510053	002	MODIFY CHLORINATION SYSTEM TO COMPLY WITH THE RMP	PROVIDE TWO CHLORINE SCRUBBERS	1998	$200,000
10	C	16571	19	ANTELOPE VALLEY E KERN WTR AGY	1510053	001	INCREASE CAPACITY - EXISTING CAPACITY AT PEAK CAPACITY	EXPAND EXISTING PLANT OR INTERCONNECT WITH EXISTING NEARBY PLANT FOR INCREASED CAPACITYAND RELIABILITY. OTHER - DESIGN AND CONSTRUCTION	2000	$7,300,000
10	C	24496	13	BALDY MESA CWD - Inactive	3610010	001	Basin in overdraft	Construct 10 MGD surface water treatment plant	1999	$43,884,600
10	C	25000	13	BIG BEAR CITY CSD	3610008	005	District required to supply water to endangered species habitat	Design reclamation facility to replace potable water used for habit	1998	$500,000
10	C	27748	4	SUISUN-SOLANO WATER AUTHORITY	4810005	001	Pressure in distribution system is inadequate to install backflow devices.	Modify distribution system.	1998	$214,000
10	C	29281	6	Santa Paula Water System	5610011	009	Needs to upgrade the storage reservoir.	Design, construct and inspect construction of new roof.	2000	$500,000
10	C	29500	6	PASO ROBLES WATER DEPARTMENT	4010007	001	Needs to improve storage capacity.	Propose building a 4 million gallon storage tank on the east side of town	1998	$3,500,000
10	C	40654	13	YUCAIPA VALLEY WD ID-A&2	3610055	004	Potential MTBE contamination of major wells. Need replacement source.	Drill ejection and/or replacement wells.	2001	$1,500,000
10	C	43996	9	CalAm - Parkway	3410017	001	General system improvement. Lack of backwash tank capacity threatens Fe Mn treatment process.	Parksite backwash tank. Involves design and construction.	1998	$200,000
10	C	43996	9	CalAm - Parkway	3410017	004	General system improvement. Inadequate distribution system pressure with the loss of supply due to groundwater contamination.	Sky Parkway backbone main. Involves design and construction.	1998	$550,000
10	C	43996	9	CalAm - Parkway	3410017	006	General system improvement. Loss of wells due to groundwater contamination.	Center Parkway Main replacement. Involves design and construction.	1998	$270,000
10	C	43996	9	CalAm - Parkway	3410017	010	General system improvement. Inadequate distribution system pressures due to groundwater contamination.	A/E Parkway main replacement. Involves design and construction.	1998	$680,000
10	C	51350	13	CITY OF COLTON	3610014	003	Well 5 and 14 have sanding and production problems	Drill new well and replace transmission lines	1998	$3,525,000
10	C	51350	13	CITY OF COLTON	3610014	007	Interior coating failure on Domecq reservoir	Recoat reservoir	1998	$350,000
10	C	51350	13	CITY OF COLTON	3610014	004	53%wells produce below rated capacity	Rehabilitate wells	1998	$200,000
10	C	51350	13	CITY OF COLTON	3610014	002	Well 6b and 7 have sanding and low production	Drill new well and construct new transmission lines	1998	$3,525,000
10	C	51350	13	CITY OF COLTON	3610014	006	Interior coating failing on Rialto Reservoir	Recoat reservoir	1998	$350,000
10	C	51350	13	CITY OF COLTON	3610014	001	Reservoir interior coating failure	Recoat reservoir	1998	$800,000
10	C	51350	13	CITY OF COLTON	3610014	005	Refurbish LaLoma reservoir	Install approved coating	1998	$350,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	67740	9	City of Davis	5710001	002	Well No. 29, commisioned in 1997, has had chronic "sulphur" odor since construction, rendering the well unusable on a regular basis.	Studies and a pilot treatment have determined that an activated charcoal filter will remove the odor.	2007	$400,000
10	C	67740	9	City of Davis	5710001	001	Lack of water source facilities.	Construct second water storage tank. Involves design and construction.	2000	$2,500,000
10	C	67740	9	City of Davis	5710001	004	System capacity has been lost by bad wells. According to 2006 AIR, City is dependent upon storage to meet max demand.	Construct a new high-production deep well.	2007	$1,500,000
10	C	67740	9	City of Davis	5710001	003		Construct new high-production deep well.	2007	$1,500,000
10	C	89326	16	City of Alhambra	1910001	003	Six (6) out of ten (10) production wells have exceeded or are nearing their expected design-life expectations.	Engineering study to determine which of the existing wells could be rehabilitated.	1999	$300,000
10	C	89326	16	City of Alhambra	1910001	001	A remedy for volatile organic compound (VOC) removal needs to be addressed at two production wells. One of the wells, Moeller Well (#8), is a critical in production capacity and maintaining sufficient pressures in the upper portion of the southern z	Design and construct a VOC treatment plant. Conduct study to determine the cause of the water quality problems.	1998	$400,000
10	C	89326	16	City of Alhambra	1910001	002	Seven (7) out of ten (10) potable production wells have nitrate that are near the current maximum contaminant levels (MCLs).	Complete a study to determine the best suited location, in the well field, where a nitrate (ion-exchange) treatment plant could be constructed. Project involves: Study, Design, and Construction.	1998	$900,000
10	C	107760	12	CWS - Visalia	5410016	001	FAST GROWING COMMUNITY - PCE HAS CONTAMINATED THIS AREA AND WILL EFFECT A NEW WELL WHEN DRILLED	INSTALL GAC TREATMENT. OTHER - DESIGN AND CONSTRUCTION	1998	$200,000
10	C	107760	12	CWS - Visalia	5410016	002	WELL CONTAMINATED WITH CARBON TETRACHLORIDE (WELL 25-01)	DESIGN AND CONSTRUCT GAC TREATMENT VESSEL AND UPGRADE PUMP AND MOTOR. OTHER - DESIGN AND CONSTRUCTION	1998	$225,000
10	C	142060	22	CALIFORNIA WATER SERVICE CO. - DOMINGUEZ	1910033	002	Existing and new wells exceed color standard.	Additional chlorine generating facilities installed to prechlorinate for bleaching and post chloraminated for disinfection. Project involves: Refinance, Design, and Construction.	1998	$250,000
10	C	172781	8	City of Garden Grove	3010062	001	The City's vulnerability assessment recommends the use of a less harzrdous disinfectant instead of chlorine gas, which is utilized currently.	Covert all chlorine gas systems to bulk sodium hypochlorite systems.	2007	$500,000
10	C	193914	12	CWS - Bakersfield	1510003	001	The district is growing at approximately 700 services per year, w/ the majority of this growth occurring in a region hwere the groundwater contains high levels of Hydrogen Sulfide	Design and construct a Hydrogen Sulfide treatment facility on the new well scheduled to be constructed in this area. Other - Design/Construction	1998	$260,000
10	C	193914	12	CWS - Bakersfield	1510003	002	FIVE WELLS ARE IMPACTED BY TCE CONTAMINATION-CURRENTLY INACTIVE WELLS	INSTALL GAC ADSORPTION VESSEL ON THIS WELL. OTHER - DESIGN AND CONSTRUCTION	1999	$400,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	414710	20	Eastern Municipal WD	3310009	021	Two tanks in 1627 zone (Citrus I and II) have a combined capacity of 11.4 MG. These tanks are connected to the distribution system with an inadequate 18" pipeline. As a result, stagnant water in storage threatens the water quality in the zone.	Install 3,500' of 30" pipeline to connect the Citrus tanks to the distribution system.	1998	$1,033,000
10	C	414710	20	Eastern Municipal WD	3310009	013	The Vista pressure zone at elevation 1811' has insufficient storage (1 MG), and the adjacent regulated Homeland pressure zone at elevation 1785' has no storage at all. The resulting frequent low pressure problems pose possible water supply and quali	Combine both pressure zones and construct a 4.6 MG finished water storage tank and transmission pipeline.	1998	$4,118,000
10	C	414710	20	Eastern Municipal WD	3310009	036	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	1998	$250,000
10	C	414710	20	Eastern Municipal WD	3310009	039		Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	2001	$250,000
10	C	414710	20	Eastern Municipal WD	3310009	038		Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	2000	$250,000
10	C	414710	20	Eastern Municipal WD	3310009	014	The Quail Valley II pressure zone has inadequate storage and transmission pipelines. The system has experienced reduced pressure problems during pump outages, exposing the domestic users to possible water quality problems.	Consuct a feasibility study complete with fieldwork to determine what will be needed in terms of a new finished water storage tank and/or additional transmission pipelines.	1998	$100,000
10	C	414710	20	Eastern Municipal WD	3310009	016	The Manzinta pressure zone has inadequate finished water storage (0.25 MG). Two adjacent but separate systems are regulated pressure zones which have no storage at all. In case of pump failure these zones will lose pressure and are potentially …	Consolidate the three systems, costruct a 3.4 MG finished water tank and transmission pipelines.	1998	$4,130,000
10	C	414710	20	Eastern Municipal WD	3310009	037	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	1999	$250,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	414710	20	Eastern Municipal WD	3310009	017	The Winchester Ranch finished water storage tank was constructed in 1990 by CFD-161. Due to economic conditions since that time the connecting transmission pipeline was never built. This storage capacity is now urgently needed.	Construct the transmission pipeline needed to activate the Winchester Ranch tank.	1998	$477,360
10	C	414710	20	Eastern Municipal WD	3310009	019	The Soboba finished water tank is undersized, leaking and built on a potential landslide area. The supply line to the tank is leaking posing potential water quality problems. The pump station needs to be upgraded and relocated.	Replace existing 0.21 MG tank with a new 0.315 MG finished water tank in a new location. Replace the leaky distribution pipeline and build a new pump station.	1998	$1,155,000
10	C	414710	20	Eastern Municipal WD	3310009	020	Two finished water storage tanks in the 1719 elevation pressure zone (Tres Cerritos I and II), have a combined capacity of 15 MG. These tanks are connected to the distribution system with an inadequate 12" pipeline. Stagnant water in storage threat	Install 2,675 feet of 30" diameter pipeline to connect the tanks to the distribution system. This also requires the installation of 6,400' of 18" diameter raw water pipeline.	1998	$1,069,500
10	C	414710	20	Eastern Municipal WD	3310009	043	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	2000	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	004	Due to extensive development storm water run-off has increased, and groundwater replenishment has decreased. This has resulted in increased reliance on imported water.	Construct a water harvesting facility at the San Jacinto Reservoir and equipment same with a pumping plant and piepline to recover the rain run-off so captured for groundwater recharge.	1998	$770,000
10	C	414710	20	Eastern Municipal WD	3310009	003	EMWD is dependent on imported water supplied by Met for about 80% of all water delivered. There is a need to develop additional local supplies.	Construct four additional groundwater production wells. (2 per yr)	1999	$1,300,000
10	C	414710	20	Eastern Municipal WD	3310009	046	The groundwater in the Perris, Sun City, and Menifee area has become unusable due to high TDS caused by agricultural operations.	Drill and develop three extraction wells along McLaughlin St. in south Perris to extract the contaminated groundwater for susequent treament at the proposed Sun City desalination plant.	1999	$2,501,000
10	C	414710	20	Eastern Municipal WD	3310009	005	Brine from the proposed Sun City desalination plant needs to be disposed of outside the boundaries of EMWD to protect local groundwater sources.	Purchase capacity in the Temescal Valley Regional Interceptor to convey the brine viw the Santa Ana Interceptor to convey the brine via the Santa Ana Interceptor to the County Sanitation District of Orange County treatment plant and purchase capacity	1998	$10,780,000
10	C	414710	20	Eastern Municipal WD	3310009	002	EMWD is dependent on imported water supplied by Met for about 80% of all water delivered. There is a need to develop additional local supplies.	Construct four additional groundwater production wells. (2 per yr)	1998	$1,300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	C	414710	20	Eastern Municipal WD	3310009	051	Salinity contamination of groundwater supplies due to rising groundwater	Construct extraction wells, pipelines and reverse osmosis desalination facility to control hydraulic gradients and remove salt from subbasin.	2002	$10,000,000
10	C	414710	20	Eastern Municipal WD	3310009	044	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	2001	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	040	EMWD has numerous pumping plants in its 550 square miles service area. A large number of these do not have a back-up pump and/or redundant power supply. Reliability of the water supply in the areas is becoming a real problem.	Develop an anuual program to evaluate the various pumping plants and equip them with back-up pumps and/or redundant power supply as needed.	2002	$250,000
10	C	414710	20	Eastern Municipal WD	3310009	042	A number of finished water storage tanks have become severely corroded, posing a contamination problem as well as possible tank failure.	Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	1999	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	045		Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	2002	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	041		Schedule a program of annual corrosion repairs, and interior and exterior coatings for at least three tanks each year. In addtion, where necessary, install cathodic protection, sampling ports, dual manway access, safety leadders and platforms.	1998	$500,000
10	C	414710	20	Eastern Municipal WD	3310009	018	The Walthers Tank is severly corroded and structurally unsound as well as undersized. This situation is a concern both as regards to water quality and to water availability.	Replace this 0.23 MG tank with a new 0.5 MG finished water tank.	1998	$250,000
10	C	457514	9	City of Sacramento	3410020	006	Update the watershed sanitary survey.	Update survey during 1998.	1998	$200,000
10	C	457514	9	City of Sacramento	3410020	001	Some old steel mains are leaking and are too small.	Replace existing pipes with adequate pipe sizes. Involves refinancing and construction.	1998	$2,900,000
10	C	457514	9	City of Sacramento	3410020	005	A study must be conducted to identify potential sources of contamination to well.	Implement a wellhead protection program in accorance with DHS requirements.	1998	$330,000
10	C	457514	9	City of Sacramento	3410020	004	Reservoirs require recoating and installation of cathodic protection systems.	Place new coating and install impressed current cathodic protection systems. Involves design and construction.	1998	$2,400,000
10	C	457514	9	City of Sacramento	3410020	002	Some old steel mains are leaking and are too small.	Abandon existing mains and construct new mains in street. Involves refinancing, design and construction.	1998	$2,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
10	N	26	10	BASSO BRIDGE FISHING/BOATING ACCESS	5000395	001	INADEQUATE SUPPLY AND PRESSURE	INSTALL LARGER PUMP, ADDITIONAL STORAGE AND PRESSURE SYSTEM. OTHER = DESIGN AND CONSTRUCTION.	1998	$45,000
10	N	26	10	WOODWARD RESERVOIR WATER SYSTEM	5000165	001	ONE OR TWO OF THE FOUR WELLS SUBJECT TO COLIFORM CONTAMINATION DISTRIBUTION SYSTEM INADEQUATE	REPLACE WELL PUMP AND ELECTRICLA COMPONENTS. REPLACE/IMPROVE CHLORINATION SYSTEM. OTHER = DESIGN AND CONSTRUCTION	1998	$35,000
10	N	26	10	LA GRANGE PARK-OHV	5000239	001	INADEQUATE SUPPLY AND OUTDATED ELECTRICAL	REPAIR OR REPLACE SECONDARY SUBMERSIBLE PUMP. INCREASE STORAGE CAPACITY, REPLACE ELECTRICAL SYSTEM. OTHER = DESIGN AND CONSTRUCTION	1998	$25,000
10	N	30	13	Snow Summit Ski Corp	3600707	001	Inadequate storage capacity	Design and construct new facilities	1999	$300,000
5	C	25	1	Seymour's Mutual Water System	5301201	001	Need additional water storage.	Install six 5,000 gallon water storage tanks.	1998	$25,000
5	C	40	1	Covington Mill MWC-Division B	5301104	001	Need larger facilities to accommodate full time residents and expansion.	Drill an additional well and have additional storage facility.	2002	$150,000
5	C	50	18	West Water Company (PUC)	4900893	001	System consists of 63 foot deep well with 2,500 gallons of storage. System has no disinfection and experiences low pressures under peak demands.	Storage tank with high service pumps and water mains, meters	2004	$750,000
5	C	66	6	SANTA RITA WATER CO	4200822	002	No individual user meters to monitor consumption, having same would promote water conservation	install individual user water meters	2000	$20,000
5	C	72	5	MCCOY RD WS #05	2701040	002	Water system has no storage. Needs 50,000 gallons storage.	Install storage tanks	2000	$80,000
5	C	75	19	PINON HILL WATER COMPANY	1500540	001	WATER QUALITY PROBLEMS - NONE OVER THE MCL	DRILL NEW WELL. OTHER - DESIGN AND CONSTRUCTION	2001	$75,000
5	C	120	2	AUBURN VALLEY COMMUNITY SERVICE DIS	3100011	001	System requires expansion in both wells and storage plus significant improvements in well's control system. Upgrades needed for reservoir, trouble alarms, and several distribution systems.	Add additional well(s), storage tank, pumphouse improvements and controls (system controls/alarms).	1998	$325,000
5	C	150	18	Rains Creek Water District	4900611	001	Need remote telemetry unit to monitor tank levels and chlorine conc.	Install remote telemetry unit to monitor tank levels and chlorine conc.	1999	$50,000
5	C	150	5	SUNSET BEACH MUTUAL WATER CO	4400599	001	System has problem with salt water intrusion.	Construct pipeline to City of Watsonville water supply.	1998	$510,000
5	C	200	5	RANCHO SAN ANDREAS	4400660	001	Well pump failed and needs to be replaced	Purchase and install new well pump and motor in existing well	2000	$3,500
5	C	223	14	PINE HILLS MUTUTAL WATER COMPANY	3700905	003	Present system is operated and maintained by manual inspection and control.	Implement a SCADA system (Supervisorary Control and Data Acquisition System)	1999	$75,000
5	C	223	14	PINE HILLS MUTUTAL WATER COMPANY	3700905	004	Ensure water system continues to maintain present and future MCLs.	Drain and clean storage tank and sump; inspect sump tank and repair as needed.	1999	$35,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	300	22	LEISURE LAKE MOBILE HOME PARK	1910066	001	The age of the system will require transmission lines to be replaced to eliminate future problems.	Line or replace existing transmission lines, and install electric panel for well #2.	1998	$100,000
5	C	336	21	Sutter Co. WWD#1 (Robbins)	5100107	001	Portions of the existing distribution system are corroding which is impacting the quality of the water being delivered.	Installation of new distribution lines and housing services that are causing the problem.	1998	$600,000
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	007	Improve distribution system to prevent pressure drops.	Creation of a two zone system	1998	$157,802
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	006	Needs to upgrade the distribution system for better operation.	Replacement of line.	1998	$68,655
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	004	Needs to upgrade distribution pipelines.	Replace ancors, cable and pipeline.	1998	$199,836
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	002	Needs additional storage capacity	Add a reservoir	1998	$142,393
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	003	Improvements needed in horizontal well.	Renovate horizontal well	1998	$46,000
5	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	008	Needs to aqcuire the privately owned parcel to protect watershed.	Purchase this privately owned parcel.	1998	$120,000
5	C	500	18	Sonoma County Water Agency	4910020	003	Pollution threats to raw water quality from watershed sources.	Install early warning systems in three locations to detect contamination before water is delivered to Agency customers.	1998	$1,615,000
5	C	500	6	CLOVERDALE MUTUAL WATER Co.	5610068	001	Improve system reliability.	System facility replacements and improvements	1998	$760,000
5	C	510	2	STARLITE PINES MUTUAL WATER CO INC	4500195	004	Mutual has deficiencies that are eligible for SRF funding and not covered in any of the other SRF categories including improvement or repacement of storage facilities and provision of backup or reliablity features.	1) Upgrade security; fencing, doors, & alarm system. 2) Imrovement or replacement of storage facilities. 3) Provision of backup or reliablity features; update generator & automatic transfer switch.	2005	$100,000
5	C	978	21	Nevada ID - Cascade Shores	2910007	002	Degradation of treated water in storage due to dilapidated redwood tank.	Replace the redwood tank with a welded steel tank.	1998	$95,000
5	C	978	21	Nevada ID - Cascade Shores	2910007	003		Replace the redwood tank with a welded steel tank.	1998	$110,000
5	C	1086	10	San Joaquin County-Raymus Village	3910014	001	SYSTEM COULD USE ANOTHER WELL.	DRILL NEW WELL. OTHER = DESIGN AND CONSTRUCTION	1998	$450,000
5	C	1200	16	BELLFLOWER HOME GARDENS WC	1910012	002	Pipeline improvements to meet the requirements for II of the City of Bellflower, Water Master Plan	Installation of 8 inch lines to the distribution system.	1999	$335,000
5	C	1500	6	RIO MANOR MUTUAL WATER CO	5610035	001	Replace fire hydrants, install service meters.	Replace 4 inch diameter hydrants with 6 inch diameter. Install meters to reduce water usage.	1999	$150,000
5	C	1500	6	RIO MANOR MUTUAL WATER CO	5610035	002	Substandard system reliability.	Facility replacements and improvements	1998	$1,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	006	Eliminate specific dead ends in the distribution system on Larmona Drive and Kinneloa Canyon Road.	Extend distribution line from Larmona Drive to 1908 N. Kinneloa Canyon	1999	$88,000
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	005	Eliminate specific dead ends at 2090 Villa Heights Road and Crystal Lane.	Extend transmission line from 2090 Villa Heights Road to Crystal Lane.	1999	$200,000
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	003	Eliminate specific dead ends in the distribution system on Windover and Villa Heights Road.	Extend distribution line from 1900 Windover Road to 2090 Villa Heights.	1999	$79,000
5	C	1650	7	KINNELOA IRRIGATION DIST.	1910035	004	Eliminate specific dead ends in the distribution system on Doyne Road.	Extend distribution line from 3127 Doyne Road to Kinneloa Mesa Road.	1999	$50,000
5	C	1940	6	Golden State Water Company - Edna	4010023	002	Upgrade distribution system for adequate pressure during emergency flows.	Automation and telemetry-Country Club and Edna Road Reservoirs.	1998	$80,000
5	C	1940	6	Golden State Water Company - Edna	4010023	001	Needs to provide reliability features for sources	Generator connections	1998	$15,000
5	C	2580	3	North Gualala Water Company	2310007	003	Distribution system does not meet WW stds (mains <4 inch), lacks loops; improve reliability components in distribution system	Replace undersized mains and install reliability components (pumps)	2008	$4,200,000
5	C	3640	10	San Joaquin County-Mokelumne Acres	3910017	001	THREE OF THE SYSTEM'S WELLS HAVE DBCP GREATER THAN THE MCL	DRILL NEW WELLS TO REPLACE CONTAMINATED WELLS. OTHER = DESIGN AND CONSTRUCTION	1998	$1,500,000
5	C	4300	19	Stallion Springs CSD	1510025	001	1) ADDITIONAL WELL DEVELOPMENT. 2) ADDITIONAL TANK STORAGE. 3) SERVICE - GRAVITY FEED	PROJECT GROWTH AND FULL USE OF THE RESORT WILL REQUIRE ANOTHER 100-200 GPM AND A 1 MG TANK	2005	$800,000
5	C	5000	16	PALM RANCH IRRIGATION DIST.	1910103	001	Storage and groundwater source facilities are broken into and vandalized semi regularly	Install 6' high block wall around site perimeters, wrough iron entry gates, flood-lights, and electronic alarms.	2007	$500,000
5	C	5326	21	Nevada ID - Lake of Pines	2910014	002	Degradation of treated water in storage due to dilapidated redwood tanks.	Replace both redwood tanks with welded steel tank.	1999	$420,000
5	C	5458	10	ACWA Sutter Creek	0310003	009	The Amador Canal conveyance system is a 23 mile open ditch system from Lake Tabeaud to the Tanner Water Treatment Plant (WTP) in Sutter Creek. The source is the Mokelumne River via Lake Tabeaud. The system was originally built in the 1850's to convey ra	The project would pipe the existing 23 mile canal to continue unfiltered-raw water service intended for agricultural uses. Piping the canal would continue to sustain the current service by maintaining pressures and reliability. Additionally, piping the	2007	$4,700,000
5	C	6320	2	Nevada ID - North Auburn	3110026	001	Inconsisten treated water quality due to premature filter breakthrough caused by periodic disrution of clarification process.	Add flash mix equipment. Involves design and construction.	1998	$215,000
5	C	6320	2	Nevada ID - North Auburn	3110026	002	Potential for contamination of treated water and prolonge water outages due to structural failure of reinforced concrete roof of Clearwell tank.	Install temporary shoring, patch cracks and holes, relocate system pumps, and replace roof. Involves design and construction.	1998	$560,000
5	C	6320	2	Nevada ID - North Auburn	3110026	003	Inadequate system storage for diurnal demands and emergency reserves.	Add 3.0 MG storage tank. Involves design and construction.	1999	$1,700,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
5	C	6500	6	CAMBRIA COMM SERVICES DIST	4010014	005	Needs to upgrade distribution mains for earthquake safety.	Provide alternate temporary routing of the pipeline during construction and replacement of at least 300 ft. of pipeline.	1999	$150,000
5	C	6500	6	CAMBRIA COMM SERVICES DIST	4010014	004	Needs to improve source capacity for maximum demand conditions.	Seawater desalination plant with beach wells	1999	$10,000,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	011	Limited storage capacity	Construct 200k gallon reservoir	1999	$160,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	001	Limited source capacity requiring the purchase of outside water	Drill new well	2000	$30,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	002		Drill new well	2001	$90,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	003		Drill new well	1998	$125,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	004		Drill new well	1999	$300,000
5	C	6713	13	RUNNING SPRINGS WATER DISTRICT	3610062	005		Drill new well	2002	$100,000
5	C	10000	22	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	003	NEED TO REPLACE OLD VALVES AND WATER METERS AT EACH OF THE WELL	INSTALL NEW VALVES AND WATER METERS	1998	$52,430
5	C	10000	22	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	005	WELLS WITH NO CATHODIC PROTECTION	SUPPLY CATHODIC PROCTECTIONS FOR WELLS	1998	$43,525
5	C	10000	22	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	006	WATER DISTRIBUTION VALVES NEED REPAIR	REPAIR AND REPLACE EXISTING VALVES	1998	$44,500
5	C	10000	22	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	001	REPAIR AND UPGRADE WATER STORAGE FACILITIES (4 RESERVOIRS).	SANDBLAST AND RECOAT INTERIOR AND EXTERIOR OF THE RESERVOIRS.	1998	$1,244,000
5	C	10000	22	PETER PITCHESS HONOR RANCHO. LA CO. SHER	1900046	002	RESERVOIR #1 IS FOR IRRIGATION ONLY, BY CONNECTING RESERVOIR # 1 AND #2, DAILY WATER STORAGE WILL INCREASE BY 14%	INSTALL PIPING TO CONNECT THE 2 RESERVOIRS	1998	$296,250
5	C	10200	21	Yuba City Groundwater-Region 2-3	5110003	001	Source capacity is very limited. Storage capacity is low.	Construct two new wells and 4,000 feet of 12" pipeline. Possibly iron and manganese treatment for the new wells.	1998	$647,900
5	C	10807	18	Sonoma, City of	4910012	001	Existing storage tank needs to be relocated.	Relocate tank to higher elevation in order to serve certain area of system. Project would include site assessment, acquisition, tank construction, system line-up and possible booster pump construction.	1998	$500,000
5	C	11852	14	Imperial, City of	1310006	002	Poor sludge removal from sedimentation basins; low rating of Giardia cyst and virus removal	Design and construct sludge removal improvements and filter improvements.	1998	$1,500,000
5	C	12939	21	Nevada ID - E. George, Banner Mountain	2910004	009	Inadequate system reliability due to routine failure of substandard pipeline materials.	Replace with standard water main materials. Involves design and construction.	1998	$440,000

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5	C	17100	9	Rio Linda/Elverta Community Water Dist	3410018	003	Construction of a regional transmission pipeline.	Refinance.	1998	$8,000,000
5	C	17631	22	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	003	Casing of Well 304 collapsed. City destroyed well in June 2000.	Construct new well to replace Well 304.	2003	$800,000
5	C	17631	22	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	001	One existing well has collapsed, causing more reliance on imported sources.	Construct replacement well near spreading grounds. Conduct tracer study to determine travel times of recycled water.	2001	$1,250,000
5	C	17631	22	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	002	A 15-inch sewer main is within 50 feet of wellhead.	Reinstall 85 feet of sewer main within a steel casing to maintain a 50 foot separation.	2003	$25,000
5	C	17631	22	SANTA FE SPRINGS - CITY, WATER DEPT.	1910245	004	Taste and odor problems from Well 2.	Treat & improve water quality with a batch treatment facility at well site.	2005	$950,000
5	C	21780	18	Valley of the Moon Water District	4910013	001	Water supply shortages during summer months. This is undocumented. Additional source capacity would be benificial as emergency back-up.	Construct additional wells.	1998	$350,000
5	C	22000	6	PORT HUENEME WATER DEPT	5610009	002	Distribution system needs to be upgraded.	Remove the elevated water storage tank and replace the operational controls for the wells with programmable logic controllers and one variable speed drive. The water distribution system capacity and reliability will be improved during a water outage	1998	$80,000
5	C	23564	16	SAN FERNANDO-CITY, WATER DEPT.	1910143	005	Well 3 is an aging system supply well which requires refurbishing to assure safe, potable water supply.	Recondition well column and casing. Clean well screens and replace pump/motor. Project involves: Design to solve problem and Construction	2000	$85,000
5	C	23923	4	Golden State Water Company - Bay Point	0710002	003	Repair chemical storage facilities.	Repair of Aluminum and Caustic Soda chemical containment enclosures at the Hill Street Treatment Plant.	1998	$75,000
5	C	23923	4	Golden State Water Company - Bay Point	0710002	001	Pressure filters unable to operate at full capacity, or when in automatic mode without their control valves and meters operating improperly.	Replace all control valves and meters on the pressure filters at the Hill Street Treatment Plant.	1998	$25,000
5	C	23923	4	Golden State Water Company - Bay Point	0710002	005	Drill a new well to improve system water supply and quality.	Drill new well.	1998	$75,000
5	C	36374	8	Golden State WC - Placentia	3010035	001	Potential nitrification hazard.	Study the need to install chloramination facilities.	1998	$65,000
5	C	40000	9	Carmichael Water District	3410004	003	Wells do not have proper sanitary seals and have high levels of manganese.	Abandonment of wells.	1999	$150,000
5	C	48909	9	Golden State Water Co. - Cordova	3410015	002	Unprotected inlet structure.	Install a complete self-cleaning debris rack on the intake.	1998	$15,000
5	C	48909	9	Golden State Water Co. - Cordova	3410015	003	A need for dedicated sample stations to reduce the risk of notification of false positives.	Install industry approved water sampling stations in the system.	1998	$45,000
5	C	51014	13	MONTE VISTA CWD	3610029	006	No pump to waste lines on several wells	Construct pump to waste lines to divert flow to perc basin	1998	$150,000

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5	C	51014	13	MONTE VISTA CWD	3610029	013	11 MG deficient in storage capacity per master plan	Construct new reservoir	2000	$4,000,000
5	C	51014	13	MONTE VISTA CWD	3610029	012	Low system pressure in Zone 1	Construct new booster at Plant 16	1998	$60,000
5	C	51504	21	City of Yuba City	5110002	009	Insufficient treated water storage capacity.	Construct a 3.0 MG storage tank, pump station and appurtenances.	2000	$3,360,000
5	C	51504	21	City of Yuba City	5110002	011	Emergency water well is needed during times when surface water treatment plant intake structure is flooded.	Drill a new well.	1998	$665,000
5	C	51504	21	City of Yuba City	5110002	010	Low water pressure at south end of City's distribution system.	Install new pipelines to increase water flows to low pressure areas.	1998	$1,900,000
5	C	51504	21	City of Yuba City	5110002	008	Insufficient capacity in existing backwash sump to allow decanting backwash water and recovery of wastewater.	Construct new backwash sump and pump station.	1998	$525,000
5	C	51504	21	City of Yuba City	5110002	007	Existing surface water treatment plant sedimentation basins need rehabilitation.	Rehabilitate sedimentation basins.	1999	$1,000,000
5	C	51504	21	City of Yuba City	5110002	005	With an increase in water production, the City may not be able to meet the CT requirements.	Rehabilitate storage tanks with baffles and reroute piping around treatment plant.	1998	$1,126,000
5	C	51504	21	City of Yuba City	5110002	001	More filtration capacity needed to improve reliability of surface water treatment plant.	Construct two new dual media filters.	1998	$2,250,000
5	C	72584	2	Placer CWA - Foothill	3110025	005	General system improvement. Foothill Plant relies on PG&E canal and tunnel system to deliver water pumps to the plant which has failed.	Design and construct pipeline from Auburn Tunnel pump station to Foothill Water Treatment Plant.	1998	$11,000,000
5	C	72584	2	Placer CWA - Foothill	3110025	006	General system improvement. Insufficient storage.	Construct 20 million gallons of storage. Involves design and construction.	1999	$22,000,000
5	C	96226	11	CLOVIS, CITY OF	1010003	001	THE CITY'S GROUNDWATER BASIN IS CRITICALLY OVERDRAFTED AND THE WATER TABLE IS CONTINUING TO DECLINE.	EXPANSION OF THE CITY'S GROUNDWATER RECHARGE FACILITY.	1999	$2,400,000
5	C	96226	11	CLOVIS, CITY OF	1010003	002		CONSTRUCTION OF A SURFACE WATER TREATMENT PLAN TO REDUCE RELIANCE OF GROUNDWATER PUMPING.	1998	$9,400,000
5	C	96226	11	CLOVIS, CITY OF	1010003	003	GROUNDWATER AVAILABILITY IS LIMITED IN THE NORTHEAST AREA OF THE CITY AND WATER PRESSURE WILL BE INSUFFICIENT TO SERVE THE AREA.	CONSTRUCT A 2 MG RESERVOIR WITH BOOSTER PUMPS.	1998	$2,405,000
5	C	100945	4	City of Antioch	0710001	001	Old, deteriorated, and corroded coast iron and galvanized steel mains and services cause numerous leaks and resulting contamination. Also reduce available pressure and flow from fire hydrants.	Replace deteriorated mains with new and larger mains.	2000	$250,000

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5	C	108724	8	Mesa Consolidated WD	3010004	003	Other system defects. A temporary pipeline connecting two wells develops leaks causing destructing to the environment and potential for contamination.	Installation of a permanent pipeline.	1998	$1,000,000
5	C	108724	8	Mesa Consolidated WD	3010004	032	Risks in using gaseous chlorine	Switch to sodium hypochlorite	2000	$86,000
5	C	108724	8	Mesa Consolidated WD	3010004	025	Other system defects. The service area currently has approximately 2,100 polybutene service lines that are not in compliance with current water works standards. There could be contamination caused by leaks or breaks in the pipes.	Replacement of existing polybutelene pipes with copper service lines.	1998	$8,400,000
5	C	108724	8	Mesa Consolidated WD	3010004	031	190 inoprable fire hydrants	Replace 190 fire hydrants	2000	$206,000
5	C	112937	9	El Dorado ID - Main	0910001	019	Existing filters need to be rebuilt.	Remove and replace old media with new mixed media filter material.	1998	$300,000
5	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	001	Phase 1 of 2: Undersized Main and Inadequate Supply for Customers and Fire Protection	Construct 11,100 Linear Feet of 24” Water Main	1998	$1,660,000
5	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	002	Phase 2 of 2: Undersized Main and Inadequate Supply for Customers and Fire Protection	Construct 10,600 Linear Feet of 24” Water Main	1999	$1,586,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	021	Well F23A is contaminated with perchlorate at over one-half the NL	Construct ion-exchange treatment to remove perchlorate	2007	$1,500,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	011	Well F3A is contaminated with nitrate above the MCL and perchlorate above the AL	Install treatment using ion exchange technology to remove nitrate and perchlorate	2003	$1,750,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	022	Well F37A is contaminated withe nitrate above the MCL	Install ion exchange treatment to remove nitrate	2007	$1,500,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	018	Surface water intake facilities need improvement	Various improvements to intake and pipelines	2003	$760,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	012	Well F4A is contaminated with nitrate above the MCL and perchlorate above the AL	Install treatment using ion exchange technology to remove nitrate and perchlorate	2002	$1,750,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	004	Single transmission line supplies majority of water to system	Construct 10 MGD SWTP to increase reliability (Phase II)	2002	$10,000,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	003		Construct 10 MGD SWTP to increase reliability (Phase I)	1999	$10,000,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	016	Well F25A is contaminated with nitrate above the MCL and perchlorate above the AL	Install treatment using ion exchange technology to remove nitrate and perchlorate	2003	$1,750,000
5	C	153647	13	SAN GABRIEL VALLEY WC - FONTANA	3610041	020	Well F26A is contaminated with perchlorate over one-half the NL	Construct ion-exchange treatment to remove perchlorate	2007	$1,500,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	010	Existing transmission pipeline providing water to the Hacienda Heights area is nearly 60 years old and must be replaced	Install a 30-inch diameter pipeline to deliver a reliable water supply to the Hacienda Heights portion of San Gabriel's service area.	2007	$2,000,000

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5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	012	San Gabriel's Plant B14 facility has only one storage reservoir that cannot be taken out of service for needed cleaning and maintenance.	Construct a second water storage reservoir.	2007	$3,000,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	013	San Gabriel's Plant G3 facility has only one storage reservoir that cannot be taken out of service for needed cleaning and maintenance.	Contruct a second water storage reservoir.	2007	$1,200,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	014	San Gabriel's Plant G6 facility has only one storage reservoir that cannot be taken out of service for needed cleaniong and maintenance.	Construct a second water storage reservoir.	2007	$1,200,000
5	C	162064	22	SAN GABRIEL VALLEY WATER CO.-EL MONTE	1910039	011	Wells No. 2D, 2E, and 2F are contaminated with trichloroethylene (TCE).	Construct treatment facility using liquid phase granular activated carbon to remove trichloroethylene.	2007	$3,000,000
5	C	1256951	14	San Diego - City of	3710020	020	Aging pipelines need to be replaced.	Pipeline improvements.	1998	$17,755,070
5	C	1256951	14	San Diego - City of	3710020	022		Pipeline improvements.	2000	$14,526,600
5	C	1256951	14	San Diego - City of	3710020	021		Pipeline improvements.	1999	$17,010,340
5	P	25	6	CUYAMA LANE WATER COMPANY	4000598	001	Needs to upgrade and replace distribution system facilities.	Upgrade the entire water system & replace leaking hydrants	1998	$100,000
5	N	3	9	Lighthouse Marina Complex	3410035	001	Insufficient storage and the system is too old.	Install new filter, new lines and new tanks.	1998	$45,000
5	N	25	16	DECKER CANYON YOUTH CAMP	1900831	001	WATER STORAGE CAPACITY NOT LARGE ENOUGH	INSTALL AN ADDITION TANK (15,00O GAL)	1998	$34,000
5	N	55	1	Covington Mill - A	5301103	001	Existing 22,000 gallon wooden water tank will not be able to meet the demand of up to 50 service connections expected by the year 2000.	Replace existing tank with a 53,500 gallon steel water tank.	1998	$40,000
5	N	55	1	Covington Mill - A	5301103	004	The water ditch which provides secondary water has a slide which needs repair and water quality pipe replaced. Also need repairs to headgate.	Cut a new shelf around 200 to 300 feet using backhoe or small cat. Clean out headgate. Put in new 6-inch PVC pipe	1998	$12,000
5	N	55	1	Covington Mill - A	5301103	003	The existing flat rate water system does not support water conservation and is not equitable in terms of user fees versus water usage.	Design and install a water meter on each service connection.	2000	$20,000
5	N	80	10	GOLDEN VALLEY CAMP	0300667	001	LACK OF RELIABILITY FROM SINGLE WELL. LIMITED WATER SUPPLY.	DRILL NEW WELL	1998	$10,000
5	N	100	6	Conservation Endowment Fund	5601306	001	Upgrade the distribution mains and system.	Upgrade (new) pipe, possible filter treatment system	1998	$15,000
5	N	250	11	BERKELEY CAMP	5500136	001	SYSTEM LACKS RELIABILITY AS IT HAS NO AUTOMATED BACKWASH SYSTEM, SHUTDOWN OR ALARM SYSTEMS.	INSTALL AUTOMATED BACKWASH SYSTEM, PLANT SHUTDOWN AND ALARM SYSTEMS.	1998	$41,000
5	N	250	13	Holcomb Valley Scout Ranch	3600589	001	Old storage facility	Construct new reservoir	1999	$150,000

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5	N	350	19	KERN CO P&R-TEHACHAPI MT PARK WATER	1502325	001	BOTTOMS AND SIDEWALLS OF TWO 44,000 GAL. ARE RUSTING OUT.	REPLACE BOTH TANKS	1998	$120,000
5	N	2926	9	NORTHGATE 880	3400173	002	Low production wells and no emergency water supply. Low pressure complaints.	Construct a new 1,200 gpm well and chlorine treatment system. Involves design and construction.	1998	$200,000
5	N	2926	9	NORTHGATE 880	3400173	001	Wells have a history of low water production. No emergency water supply is available and low pressure complaints.	Construct a 500,000 gallon water storage tank. Involves design and construction.	1998	$500,000
3	C	0	7	THREE VALLEYS MWD	1910041	006	The Six Basins area straddles the Los Angeles-San Bernardino county line and includes six groundwater basins overlying the cities of Claremont, Pomona, La Verne, and Upland. The basins have experienced water quality problems in the past primarily due to	This multi-purpose project seeks to produce local groundwater from a basin that has historically exhibited water quality and rising water challenges. It is located within the Six Basins area, which includes cities in both Los Angeles and San Bernardino c	2008	$10,500,000
0	C	0	6	CALLEGUAS MUNICIPAL WATER DIST	5610050	002	Needs to upgrade distribution system.	Replace the pipelines or install small diameter pipelines inside.	1999	$20,000,000
0	C	0	4	Randall-Bold Water Treatment Plant	0710010	001	Due to changes in source water quality, the plant has increased chemical doses and decreased plant's treated water production capacity to less than 30 MGD	Construction of sedimentation basins	2004	$5,500,000
0	C	0	7	THREE VALLEYS MWD	1910041	001	HIGH NITRATE WELL WATER IN REGION. (NO REPORTED VIOLATIONS SINCE WELL WATER IS BLENDED WITH AVEC SURFACE WATER TO MEET THE STANDARDS)	INSTALL A REGIONAL NITRATE REMOVAL PLANT.	1998	$5,000,000
0	C	13	2	FRCCSD - HOT SPRINGS CSD	3200155	001	Declining production due to scaling.	Regular cleaning of the well casing and possibly provide continuous chlorination down the well casing.	2004	$40,000
0	C	25	21	GOLDEN MEADOWS CSD	5201147	001	Old holding tanks and well causing some bacti problems	Install new pump and tank	2006	$20,000
0	C	25	13	Glen Helen Regional Park	3600108	001	Inadequate storage capacity for fire fighting	Construct 400,000 gallon and 1,000,000 gallon storage tanks	2006	$1,000,000
0	C	25	13	Glen Helen Regional Park	3600108	002	Existing waterlines are deteriorating and in need of replacing with larger pipe to provide enough water for growth	Construct new water lines to provide a reliable water supply and enough for growth at the Glen Helen Rehabilitation Center and sheriff facilities	2006	$1,000,000
0	C	27	16	WINTERHAVEN MOBILE ESTATES	1900961	001	125,000 gallon reservoir needs replacement due to age.	Remove and contruct new reservoir.	2000	$80,000
0	C	28	2	Evergreen Motel & Trailer Park	3200114	001	High Iron Content / Sediment - Water Storage	new submersible pump, filtration system, storage tank and pressure pump.	2003	$30,000
0	C	30	17	Foothill Mutual Water	4300630	001	Original water lines breaking, needs replacement.	Replace old pipes with new water pipes.	2004	$80,000
0	C	30	3	Covelo Mobile Home Park	2300892	001	Well sources without disinfection. Occasional postiive TC samples	Install blend tank and chlorination system for system's two wells	2005	$6,000

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0	C	30	20	BLYTHE MOBILE HOME ESTATES	3301045	001	Water testing costs, permits, & well maintenance costs are prohibitive & escalating - We do not charge for water.	Install water meters. (System has one 4" well & 220 gal pressure tank to serving 23 connections. County reports that system is rent controlled and needs to present cost issues to the Rent Control Board for review.))	2002	$12,000
0	C	31	21	NORTHWOODS MUTUAL WATER SYSTEM	0400003	003	Distribution system has numerous leaks identified.	Replace existing distribution system mains.	1998	$10,000
0	C	32	19	SOUTH DESERT MUTUAL WATER COMPANY	1502619	001	Inadequate source and storage capacity.	Add storage and source capacity.	2007	$65,000
0	C	35	19	SOUTH KERN MUTUAL WATER COMPANY	1500344	001	Future replacement of all or part of system as the result of a natural or man made disaster or unseen problem.	Call S.A. Camp Pump Co. and have them fix it. OTHER - Design and Construction	2002	$250,000
0	C	45	18	Summit View Ranch Mutual Water Co.	4900892	001	Inadequate storage- we have a 40,000 gal redwood tank for what will be a build out of 22 homes.	Add storage of 20 to 40,000 gals and associated plumbing linkage.	2000	$50,000
0	C	45	5	CORRAL DE TIERRA ESTATES WC	2700536	001	Water production and water quality of the auxiliary well are poor.	Abandon and close the auxiliary well.	1998	$2,500
0	C	48	17	Sierra Road Improvement Association, Inc	4300546	001	System plagued by excessive pipeline leaks.	Replace 900 feet of 50 year old 4-inch steel pipe with plastic pipe.	2001	$100,000
0	C	50	18	Loch Haven Mutual Water Company	4900575	001	Provide additional storage, leaking tanks	Replace leaking tank and new tanks	2001	$16,000
0	C	50	1	Shasta View Heights Owners Association	4700630	002	We need to re-drill and re-line a collapsed lower shaft on well #1; replace structures housing wells #1 and #2 and re-connect well #1 to storage tanks by replacing destroyed piping lost in flood of 1997. Approximate pipe footage to replace is 3000 feet.		2007	$75,000
0	C	50	9	ROCKWATER APTS.	0900655	001	Very old well	would like to upgrade	2002	$0
0	C	52	5	ASOLEADO MWC	2702148	002	Old storage tanks (10,000 gals.each) and corroded leaking distribution system	Excavate underground tanks and replace, repair distribution system	2001	$200,000
0	C	54	5	ALLAN LANE WATER ASSOCIATION	4400692	001	Has some coliform problems in distribution system, need to upgrade distribution system	replace distribution system, and install meters and backflow devices	2007	$250,000
0	C	54	6	WALKING M RANCHES ASSN.	4200804	001	Needs to upgrade the source or distribution system.	Either new well in different location or new non metal distribution system and well pump.	1998	$69,000
0	C	55	18	Rolling Oaks Road Association	4900846	001	Declining output of existing well.	Descale and flush well casing. If this does not work, then drill new well.	1998	$20,000
0	C	55	5	CACHAGUA MUTUAL WS (#4)	2701888	002	Fecal contamination	Design and construct new well, storage tank and distribution;	2001	$300,000

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0	C	60	19	BISHOP ACRES MUTUAL WATER COMPANY	1500434	001	Low pressure problems requires the construction of a new 20,000 gallon storage tank and to repair the bowls to help the system run above the 47% to 67% or preferred replace the bowls so that the system runs at 100%.	Install a 20,000 gallon storage tank and replace the bowls and any parts and labor that is needed.	2003	$100,000
0	C	60	13	Aspendell Mutual Water Company	1400066	002	The community of Aspendell is in the Eastern High Sierra Mountains at an elevation of 8500 feet surrounded by National Forest. In past years almost half of the homes were occupied by full time residents using water on a daily basis. Mpre recently, the h	This project involves digging out the end of the water lines on each cul de sac and installing a drain valve. Primary equipment needed would be a backhoe.	2008	$6,990
0	C	60	4	ANGLER S RANCH #3	0707501	001	Low water pressureLack of storageNeed for meters to encourage conservation of water	Increase water pressureIncrease storage capabilityEncourage conservation by installing metersImproves water pressure by use of submersible pumpIncreases storage by adding storage tanksInstalling meters to charge by volumn of water used	2008	$78,800
0	C	62	2	Lassen Mobile Home Park	1800524	001	The system has old pipes.	Replace old pipes.	2004	$43,800
0	C	63	17	Oakmont Water System	4300526	001	Upgrade of distribution system to qualify for consolidation with SJWC	2600 LF of mains to be replaced with 6-inch DIP; replacement of 5/8" service connections; replacement of 22,000-gal redwwod tank with 30,000-gal steel tank	2008	$420,000
0	C	65	19	Wonder Acres Water System	1500324	001	Positive Samples for E.coli in the Water System	Acquire/Design/Instal 3 miles of pipe in the distribution system and abandon existing system in ground	2003	$450,000
0	C	66	6	SANTA RITA WATER CO	4200822	001	Upgarde the distribution system.	Install meters at each service	1998	$20,000
0	C	68	19	ST. CLAIR RANCHOS MUTUAL WATER CO.	1500507	001	Deterioration of existing lines due to age	Have new water lines installed with new connections, fire hydrants-valves, etc.	2005	$50,000
0	C	69	5	GARLEN COURT WS	2700686	002	Borderline nitrate problems.	Deepen existing well.	1999	$35,000
0	C	70	12	NORSEMAN M.H.P.	5400545	001	Nitrate > MCL 45mg/L (data needed) Uranium > MCL 34.7 pC/L Gross Alpha > MCL 28 pC/L	Connection to adjacent water system. City of Kingsburg	2005	$180,000
0	C	70	13	North Lone Pine Water District	1400072	002	Backup well has insufficient capacity and sheared casing	Design and construct a replacement backup well	2002	$165,000
0	C	76	10	SUNNYSIDE ESTATES WATER SYSTEM	3900714	001	ONE OF THE WELL IS STAND-BY DUE TO HIGH DBCP LEVELS.	CONSTRUCT NEW WELL AND ADD AUXILIARY POWER. OTHER = DESIGN AND CONSTRUCITON	1998	$450,000
0	C	78	20	OAK HAVEN ASSOCIATION	3301528	001	System was put in in 1976. Pipes and equipment are aging and deteriorated.	Replace Distribution System.	2004	$75,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	79	2	Clio Public U.D.	3200509	003	Install a new 100,000 gallon tank to replace our existing 12,000 gallon tank. Including replacement of old (approx. 35 years) water transmission line from the tank to town (approx. 1.5 miles). The reasons for this are twofold. First, to supply adequate ba	This project will include the installation of a new, larger (100,000 gallon) water tank to replace our current 12,000 gallon tank. Our currrent tank would then be used as a backup or removed from the premises. In all probability the new tank will have to	2008	$600,000
0	C	80	2	Alleghany County W.D.	4600012	001	Electronic system for treatment plant needs to be replaced. New turbidimeter, new system pump at treatment plant and need new portable test equipment. Replace membranes.	Make improvements to treatment facility to ensure continued reliable water supply.	2008	$55,000
0	C	95	6	TICO MUTUAL WATER CO	5601122	004	Needs to upgrade distribution system.	Acquisition and installation of water meters	1998	$50,000
0	C	96	10	C.C.W.D. Sheep Ranch	0510004	003	200 feet of pipeline was destroyed by a landslide.	200 feet of new pipeline is required as a permanent solution.	2004	$100,000
0	C	100	12	SOULTS MUTUAL WATER CO.	5400805	003	One nitrate result exceeded MCL in April 2004. However, more documentation is needed to move into Catagory F	Deepen existing well or drill new well.	2005	$150,000
0	C	100	19	ALTA SIERRA MUTUAL WATER CO.	1500209	001	Four redwood storage tanks on USDA National Forest property. Also, low water pressure due to undersized mains.	Install new storage tank and distribution pipeline.	2002	$258,000
0	C	100	19	WEST VALLEY MUTUAL WATER COMPANY	1500550	001	Dead ends in the distribution system causing bad water samples during warm summer months	Working into chlorinating the system or possibly rerouting water routes to eliminate dead ends.	2005	$15,000
0	C	100	16	WHITE ROCK LAKE RV PARK	1900975	001	OLD WATER PIPES NEED REPLACEMENT	REPLACE GALVANIZED PIPES TO PLASTIC PIPES.	1998	$58,000
0	C	100	2	GOLD MOUNTAIN CSD	3205003	001	The Gold Mountain Community Service District 's water system was designed and approved with predicted well water yields that were sufficient for this small community. However, currently, the two existing wells that the District owns and uses produce appro	The District has set a goal fire flow of 750 gpm in addition to peak hour potable demands throughout a large part of the system. In order to meet this flow capability, constructing parallel lines or replacement of existing lines with larger diameter line	2008	$1,500,000
0	C	108	17	LOMA MAR MUTUAL	4100512	008	Old (50-75 years old) distribution system pipes with maintenance problems and exposed to potential bacteriological problems	Make upgrades to existing underground distribution systm piping and valves	2006	$360,000
0	C	108	17	LOMA MAR MUTUAL	4100512	007	Need to add addition storage capacity to meet system demands, fire flow and CA Waterworks Standards	Install additonal 40,000-gallon reserve storage tank	2006	$40,000
0	C	108	17	LOMA MAR MUTUAL	4100512	003	Pumping plant in poor condition, is unreliable.	Install new pumping station/	1998	$60,000
0	C	110	10	DEL RIO EAST HOA WATER SYSTEM	5000099	001	BACK-UP WELL IS CONTAMINATED WITH DBCP IN EXCESS OF MCL	THEY PROPOSE TO DRILL A NEW WELL. CITY OF MODESTO HAS PUBLIC WATER ABOUT 1000 TO 2000 FEET FROM THIS SYSTEM. THEY SHOULD CONNECT TO THE MODESTO DEL RIO SYSTEM.	1998	$75,000
0	C	120	6	BOBCAT SPRINGS MUTUAL WATER CO	4200891	001	Replace deteriorated distribution pipes.	replace 3000 feet of 6 inch line.	1998	$200,000

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0	C	120	12	SIERRA KING HOMEOWNERS ASSN	5400940	002	PROBLEM DESCRIPTION:Infrastructure of the Sierra King water system is aged, inadequate, and breaking. It does not provide a dependable domestic water supply to existing homes, and increased demand is being made of it by new homes within the subdivision.	PROJECT DESCRIPTIONUpgrade the existing, aged Sierra King water system to provide adequate water supply, storage, distribution, and fire protection to the present users on developed properties. Improve ability and efficiency of maintenance activities. Ex	2008	$1,500,000
0	C	122	12	MUSICK MEADOWS #1	1000060	001	CONCERNED ABOUT SOURCE RELIABILITY ASSOCIATED WITH CONDITION OF BACKUP WELL.	POSSIBLE DEVELOPMENT OF ADDITIONAL SOURCE CAPACITY IN THE FUTURE.	1999	$25,000
0	C	125	17	Lake Canyon Mutual Water Company	4300522	003	Water storage tanks failing; undersized water mains	replace tanks; replace water mains	2007	$450,000
0	C	125	17	Lake Canyon Mutual Water Company	4300522	004	Lower half of the water system serviced by watermain,which does not meet current fire department requrements, resulting in low water pressure	Installation of a 6-inch line throough distribution system	2008	$250,000
0	C	125	18	ESTERO MUTUAL	2100519	001	Old storage tank needs replacement.	Replacement of storage tank.	2002	$100,000
0	C	125	18	ESTERO MUTUAL	2100519	003	Well 12 requires conditioning and replacement of old pump and rusted surface casing to improve water supply and safty. Rusted surface casing may allow intrusion of foreign material, that could contaminate the well. Iron bacteria build up often clogs pu	Well 12 would be bailed out to remove excessive build up at bottom of well. Acid treated to help remove excess iron bacteria build up in well and rock stratum. Replacement of surface casing and installation of new pump and motor.	2008	$4,800
0	C	125	2	Spaulding/Eagle Lake MWC	1800534	002	Lack of circulation	Add loop. Construct new mains between existing mains.	2002	$50,000
0	C	126	6	RANCHO YNECITA MUTUAL WATER CO	4200837	001	Wells needs to be rehabilitated.	Acid clean well and replace pump, motor etc.	1998	$25,000
0	C	126	5	ASSISI MWC	2700503	002	replace old transite pipes in system	update all the system pipes	2007	$150,000
0	C	130	17	Roseview Heights Mutual Water Company	4300562	001	Tanks are old and need to be replaced. Need to design a more modern system to tell pumps when to start.	Replace tanks and design a new system to turn on pumps when tanks need filling.	2003	$200,000
0	C	144	19	SIERRA BREEZE MUTUAL WATER COMPANY	1500447	002	30-year old bolted steel storage tank requires replacement; flow meters needed to ensure 50/50 blend of two system wells	procure and instal new 20,000-gallon tank and flow meters on the wells	2005	$30,000
0	C	148	10	CURRIER ESTATES WATER CORP	3900701	001	Elevated arsenic in well	Add treatment or replace well with elevated arsenic.	2007	$100,000
0	C	160	3	Surfwood Mutual Water Corporation	2300590	001	Creek intake subject to contamination from spills into creek from adjacent highway	Construction of 100K raw water tank to allow intake to be shut down. Construction of four wells to serve as backup to surface water source.	2004	$150,000
0	C	180	13	Apple Valley Village MH Est	3600400	001	High calcium and magnesium	Construct filtration system	1998	$20,000
0	C	186	17	COUNTY SERVICE AREA 7	4100509	004	Dsitrbution system is undersized and not meeting system pressure requirements	Make upgrdades/improvements to distibution system to meet CA Waterworks Standards	2006	$200,000

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0	C	186	17	COUNTY SERVICE AREA 7	4100509	002	Domestic water mains with pressure less than 5 psi.	Replace old undersized water mains. Relocate the section of mains that are crossing the creek to prevent fires.	1999	$1,600,000
0	C	190	17	Green Mountain Water Company	4300560	003	develop second source and chlorination system for this source	develop second source and chlorination system for this source	2003	$150,000
0	C	190	17	Green Mountain Water Company	4300560	004	development of additional storage capacity	development of additional storage capacity	2004	$250,000
0	C	200	10	MODESTO MOBILE HOME PARK, LLC	5000066	001	Back up well does not meet nitrate and DBCP standards.	Connect to City of Modesto	1999	$220,000
0	C	200	6	CA CITIES WTR SISQUOC #1	4200560	002	Need upgrades to the system operations for reliability.	Install automation and telemetry at the Sisquoc plant.	1998	$30,000
0	C	200	2	Sierraville P.U.D.	4600018	003	1. Inadequate water supply; deteriorating collection area. 2. Inadequate water storage. 3. Storage tank for fire protection defunct. 4. No backup system when we experience mechanical failure. 5. No storage facilities for supplies.	1. Drill well. 2. Install new 200K gal. tank. 3. Expand pumphouse by 25 sq. ft. 4. Install parallel pumping system.	2005	$217,500
0	C	200	13	Sierra Grande Estates Mutual Water Co.	1400070	005	Excessive water consumption by customers	Install water meters at each service connection & create billing system based on consumption to encourage conservation	2006	$60,000
0	C	200	13	Sierra Grande Estates Mutual Water Co.	1400070	006	Excessive Electric bills due to insufficient pressure pump operation	Replace existing pump motor control with analog variable speed control for pressure.	2006	$18,000
0	C	200	6	CA CITIES WTR SISQUOC #1	4200560	001	10,000 gallon reservoir is deteriorated and needs to be upgraded.	Construct new 10,000 gallon reservoir.	1998	$10,000
0	C	210	6	OAK TRAIL ESTATES MUTUAL WATER	4200881	001	Needs to improve source capacity.	Drill and install new 100 HP pump and 12 inch well.	1998	$125,000
0	C	210	5	MORO RD WS #09	2701926	001	The system has 6 storage tanks 3 -20,000 gallon tanks installed in 1979 and 3 -17,000 gallon tanks installed in 1997. The 3 - 20,000 gallon tanks have increasing shown signs of increased rusting inspite of regular painting & maintenance.	Replacement of the 3 - 20,000 gallon tanks is required. New tanks will be placed in the same area. The existing pads will be checked to see if they need to be replaced at the same time.	2008	$80,000
0	C	211	5	FERN GROVE WATER CLUB	4400572	002	Aging pipes and aging water tanks	replace current galvinized pipe w/ PVC pipe. Replace metering boxes and 6 or 7 stainless steel tanks	2007	$500,000
0	C	225	11	MOTHER LODE MOBILE ESTATES	5500125	003	The adjacent property is contaminated with MTBE. However, the MTBE plume has not yet contaminated this system's water supply.	Connect the water system to the Tuolumne Utilities District.	2003	$300,000
0	C	234	6	CASMALIA COMM. SERVICE DIST.	4200870	002	The distribution system is in dilapidated condition, leaks continuously, and breaks frequently. They have frequent water outages due to distribution system failure. There are approximately 60 water service laterals that need replacement from the main to t	The project will consist of distribution system repairs to replace portions of the delivery system and approximately 60 service laterals. A distribution system evaluation needs to be done to determine if the main is in serviceable condition.Costs include	2007	$400,000

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0	C	240	4	Trailer Haven Mobilehome Park	0103041	001	Storage tank ia out dated and nonfunctional.	New pump system for maximum water pressure and for the fire Dept. hook up in case of emergency	2003	$50,000
0	C	245	13	Westridge Community Services District	1400029	001	Aging water storage tank needs repair	Inspect tank and determine if repair or replacement is needed	2003	$15,000
0	C	250	18	College Park Mutual Water Company	4900667	001	Well collapsing	Drill new well	2001	$100,000
0	C	250	19	ENOS LANE PUBLIC UTILITY DISTRICT	1500544	001	PART OF SYSTEM HAS DEAD END WATER LINES	LOOP THE SYSTEM	1998	$500,000
0	C	250	10	SANTOS RANCH PWS #5-CSA #35	3901216	001	HIGH TDS IN WELL 1	CONNECT TO CITY OF TRACY WATER AND BLEND. (APPEARS TO BE INTERCONNECTION, NOT CONSOLIDATION). OTHER = DESIGN AND CONSTRUCTION	1998	$600,000
0	C	252	6	STRICKLAND ACRES	5602117	001	- Water outages - up to twelve hours in duration. - Due to age, the system isolation valves are no longer operable, so any leak or repair entails loss of supply to all connections. - Steel laterals within portions of system are corroded and reduced	- Install chlorinator to replace solid pellet system. - Replace water storage tanks (two x 27000 gal. each) (11 panels, 58 bolt center to center, 16 ft high. 26900 gal) - Repair or replace pressure tank Number 2: (19 feet long, 6.5 diameter	2008	$2,000,000
0	C	276	17	BUTANO CANYON MUTUAL	4100503	002	Exisiting 2 60,000-gal tanks in need of replacement due to old age, deterioration and interior rust.	Purchase and installation of two new 60,000-gal steel tanks to replace the existing ones.	2008	$200,000
0	C	300	2	Northstar C.S.D.	3110028	001	Inadequate water supply. Need additional wells.	Develop groundwater storage. Involves study, design and construction.	1998	$250,000
0	C	330	20	Sharondale Mesa HOA	3301879	001	Existing 1 plastic service lines are leaking in street creating substantial damage to street as well as loss of water. Plastic service lines need to be replaced with 1 copper pipe.	1 copper pipe will be installed to replace leaking 1 plastic service lines.1 corporation stops will be installed at the distribution pipeline to do away with the unvalved connections.	2007	$350,000
0	C	340	14	WARNER SPRINGS ESTATES	3702354	003	Warner Springs Estates/Stone Ridge was constructed approximate 35 years ago. At that time, present codes were not in place and four streets/areas in the community--Ironwood, Manzanita, Ocotillo and Ocotillo Court--do not have adequate water line connecti	Removal of 2 pipe lines and installation of 6 pipe lines will be done on four streets containing approximately 56 lots: Ironwood, Manzanita, Octillo and Octillo Court. This will involved digging trenches, pipe installation, appropriate replacement of	2008	$400,000
0	C	340	14	WARNER SPRINGS ESTATES	3702354	002	During power outages, water distribution/access is very limited and when outages are for long periods of time, without a generator to provide power to run the Well #8 pumping system, it is impossible to provide water to residents.Warner Springs Estates/	Purchase and install a generator at Well #8. A concrete base, storage structure, propane and electrical connections, appropriate engineering consulatation, etc. will be needed. Propane lines run throughout the community and is the only fuel source; howe	2008	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	340	14	WARNER SPRINGS ESTATES	3702354	001	To date the Well #8, our newest and most productive well, has been a five year project yet to be completed. As drilled in 2004 this well is capable of providing 150 gallons per minute. We have been able to equip the new well with electricity, fencing, v	Purchase and install a filtration system to lower Iron (4.37 mg/L) and Manganese (0.14 mg/L) levels in Well #8s water so that the State of California will approve the water for consumer use. A concrete base, storage structure, flushing system including	2007	$200,000
0	C	365	14	COYOTE VALLEY MUTUAL WATER CO	1300514	001	corroding tank	build new tank or recoat	2006	$500,000
0	C	380	2	Alpine Springs County Water District	3110029	001	Redwood tank that is source of contamination to the drinking water.	Replace the redwood tank with a steel tank. Involves design and construction.	2001	$500,000
0	C	400	5	SUMMIT WEST MUTUAL WATER CO.	4400617	001	System has many poorly located small storage tanks that are aged or were damaged in 1989 earthquake.	Replace existing tanks with one new, optimally located tank of adequate capacity	2002	$250,000
0	C	400	1	Myers Flat M.W.S. Inc.	1200538	004	We lost our 99 year lease in a court action and must have a new well site.	This project would include: land purchase, groundwater study, well development (including a pump house), well pump and motor, supply pipeline to our storage tank, electrical to site and a control and monitoring system.	2008	$515,000
0	C	400	18	Coast Springs - Cal. Water Service (PUC)	2110007	001	Old reservor leaking and corroded.	Replace with new reservoir.	1998	$100,000
0	C	400	14	PALO VERDE COUNTY WATER DIST.	1300616	003	equipment storage needed	construct storage facility	2006	$20,000
0	C	420	2	Clear Creek CSD-Westwood	1800512	004	Surface water supply is exposed to microbial, rodents, air borne pathogens and accident debris from highway 147 above the water source.	Improve clear creek spring source structure.	2002	$20,000
0	C	431	17	SKYLONDA MUTUAL	4100533	006	Existing storm drain bypass and surrounding area need to be upgraded to protect water quality in the raw water storage basin.	Repair slippage along Highway 84 that runs along the side of the storage basin and improve the raw water storage site.	2001	$12,000
0	C	431	17	SKYLONDA MUTUAL	4100533	004	Algae bloom in raw water storage basin.	Install and increase aeration facility in raw water storage basin to decrease summer algae bloom.	2001	$2,000
0	C	431	17	SKYLONDA MUTUAL	4100533	003	Water system is unreliable during frequent power outages.	Purchase and install emergency generator.	2001	$5,000
0	C	431	17	SKYLONDA MUTUAL	4100533	005	Raw water pumps that raise water from La Honda Creek to Blakewood Way Storage Basin need to be replaced.	Install replacement 3hp raw water pump and controller unit.	2001	$2,300
0	C	431	17	SKYLONDA MUTUAL	4100533	001	Taste and odor problems caused by algae in raw water storage basin.	Addition of charcoal filter to control taste and odor problems.	2001	$15,000
0	C	450	5	PURESOURCE WATER, INC	4400598	002	Well does not have automatic control resulting in either shortages or overflows.	Install control system and booster pump/pressure tank and connect to system.	2000	$6,500
0	C	450	6	SENIOR CANYON MUTUAL WATER CO	5601117	012	Tunnel water line is out of service due to suspended cable snapped. No water from horizontal well	Need to work on anchor on the far side (re-compact legs) & run 200 ft of 6 in. line to tie back into existing line	2005	$20,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	450	19	TRADEWIND WATER ASSOC.	1500406	003	Two old wells with unknown water table depth and submersible pump efficiency.	Establish a three phase plan for a new well including a capped well shaft with casing and concrete pad,; pump & electrical load center; excavation & pipeline connection to existing system	2006	$150,000
0	C	465	3	Point Arena Water Works	2310013	001	Undersized main from Town Tank to Mill Street. Fencing needed around tanks and source well for security.	Project to replace old 6" main with new 12" main between 125K Town Tank and Mill Street. Install fencing.	2004	$70,000
0	C	465	3	Point Arena Water Works	2310013	003		Install an electric gate and security fence at the main storage tanks located on 135 Riverside Drive, Point Arena. Install security fence around the Garcia River wells located on Windy Hollow Road, Point Arena.	2008	$41,300
0	C	465	3	Point Arena Water Works	2310013	002	Replace a 15H.P. submersible pump at the Garcia River. The pump is located on a raised pad 250 feet northwest of the old existing well, which floods during the winter time. When the river floods, it is impossible to get to the pump because the field is un	Acquisition of 15H.P. submersible pump to operate as a backup pump should the currently installed 15H.P. submersible pump at the Garcia Well 02 (which is the only source of water for the system) fail. It would take a minimum of two to three days to have a	2008	$13,700
0	C	465	3	Point Arena Water Works	2310013	005	Installation of approximately 540 feet of 12 main line on Mill Street, Point Arena to replace a deteriorated section of 6 main line, which is over 60 years old.	Upgrade a 60 year old 540 foot section of the 6 main line to a 12 main line. This upgrade will increase the Fire flow protection of the City of Point Arena as well as secure the integrity of the infrastructure of the distribution pipes in that part of t	2008	$75,900
0	C	499	2	LAKEVIEW HILLS COMMUNITY ASSOC	3103835	001	Water sytem was designed as a dual system (irrigation and domestic) due to older and leaking infrastructure domestic lines lose water pressure; therefore increasing risk of cross connection with irrigation system.	Replace water line infrastructure to 150 residents.	2002	$3,000,000
0	C	500	2	Squaw Valley Mutual Water Comp	3110019	003	Old wells. Needs additional wells.	Replace old well with new one.	2002	$300,000
0	C	500	2	Squaw Valley Mutual Water Comp	3110019	002	Piping is very old.	Replace with new pipe.	2002	$360,000
0	C	500	3	CIRCLE WATER DISTRICT	2800521	002	Storage tank in poor condition	Storage Tank & Pump Station	2001	$400,000
0	C	500	2	Squaw Valley Mutual Water Comp	3110019	001	Wells are too old, capacity is dwindling; needs rehabilitation.	Rehabilitation of Wells #1 & 2.	1998	$70,000
0	C	500	3	Napa County Public Works-LBRID	2800526	002	Aged clarifier is showing signs of deterioration.	Replace clarifier	2006	$125,000
0	C	515	2	Sierra Brooks PSD	4600009	003	Storage and supply shortage, severe pressure problems (low) and complete original design of system	Construct one new tank, one new well, pressure stations and replacement lines (see attached).	2003	$1,500,000
0	C	515	2	Sierra Brooks PSD	4600009	002	See Attached	Provide additional source capacity and distribution improvements	2001	$1,800,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	525	9	TOKAY PARK WATER CO	3400172	002	Pipes are too old and cause emergency, costly repairs.	Replace piples and valves.	2002	$950,000
0	C	525	9	TOKAY PARK WATER CO	3400172	001	deteriorated pipelines	replace pipelines	2002	$450,000
0	C	530	13	Smiley Park Country Club	3600260	004	Smiley Park Country Club is a private community in the San Bernardino Mountains near Running Springs. This is a community of 165 building sites (125 currently have water connections) in an area of 265 acres. Smiley Park maintains a private water system	A recommended treatment to reduce corrosivity is an aeration system which allows dissolved CO2 to be released resulting in raising the pH and, hence, reducing the corrosivity. An aeration system is preferred over treatment system that add chemicals to t	2008	$30,000
0	C	530	13	Smiley Park Country Club	3600260	003		We propose to install an automatic, digital tank level monitoring system which will indicate when the tank is both very low and when it is close to overflow. The digital information will be sent wirelessly to allow monitoring. In additon, during overflo	2008	$5,000
0	C	600	4	San Francisco Regional Water System	3810001	100	SFPUC and BAWUA are cooperatively developing the WSMP to provide customers of the SFPUC water system with alternative water supply and demand management options that meet future water needs, and a framework for joint decision-making.	Develop a facilities master plan to implement new water supplies in the SFPUC delivery system, and to integrate the facilities plan with ongoing SFPUC capital planning efforts.	2000	$1,500,000
0	C	600	4	San Francisco Regional Water System	3810001	108	San Joaquin Pl #2, Throttling Station: To gain ability to reduce the flows in Pipeline #2 from 80 mgd to 20 mgd from the current fixed flow of 80 mgd. This capability will increase Hetch Hetchy's ability to regulate water deliveries.	Install two throttling stations on Pipeline #2 downstream from Oakdale Portal.	2000	$1,973,000
0	C	600	4	San Francisco Regional Water System	3810001	135	Iniversity Mound Reservoir-Seismic Upgrade/Rehab	Seismically strengthen the reservoirs, also water quality improvements (sampling and disinfection), erosion control, drainage concrete repair venting and liners or coatings and cleanup of the reservoir beds.	2002	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	105	Timer Trestle Repair: Trestles supporting the Bay Division Pipeline Nos. 1 & 2 alignment from Newark Valve House in Fremont to Ravenswood Valve House in Redwood City have deteriorated.	Replace or repair the deteriorated trestles.	2000	$125,733
0	C	600	4	San Francisco Regional Water System	3810001	169	WQ Ozone/UV Treatment	Study of alternative disinfectants to meet new regulations.	2002	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	136	Crystal Springs Balancing Reservoir	Construct a second Crystal Springs (Pulgas) Balancing Reservoir for reliability.	2004	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	106	Flow through San Andreas Pipeline No.2 is controlled by a gate valve designated as R60. During shutdown of San Andreas Pipeline No.2, valve R60 leaked so badly that SAPL No. 2 had to be shut down at the Baden Pump Station isolating BPS from the sys	Replace R60 at San Pedro Valve Lot.	2000	$850,000

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0	C	600	4	San Francisco Regional Water System	3810001	110	Back-up power for water quality stations upgrades.	Install small propane generators and upgrade UPS for backup at baden Pump Station. East Portal and Casey Quarry.	2000	$350,000
0	C	600	4	San Francisco Regional Water System	3810001	127	Seismic upgrade of BDPL's at Hayward Fault (control #128)	Seismic upgrades, and the replacement of approximately 275 feet each of existing pipelines. Install shutoff and bypass valves at both ends of the fault zone.	2002	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	128	Foothill Tunnel	Repair/rehabilitate Foothill Tunnel.	2004	$2,185,454
0	C	600	4	San Francisco Regional Water System	3810001	129	Pipeline repair plan and readiness improvement.	Development of an emergency response plan for major seismic events.	2003	$3,607,574
0	C	600	4	San Francisco Regional Water System	3810001	107	Indian Creek Chlorine Monitoring: Indian Creek Shaft has been identified by Water Operations as a desirable location to install chlorine monitoring capability for operational feedback when controlling the disinfecting process on the Hetch Hetchy sup.	Provide chlorine monitoring of the Hetch Hetchy aqueduct supply in the Coast Range Tunnel, storage and transmit the monitoring data to appropriate Water Supply and Treatment facilities.	2000	$222,000
0	C	600	4	San Francisco Regional Water System	3810001	104	Seismic hazards at San Antoinio Pump stations to tanks, retaining walls, building, and other structures.	Will address obvious seismic hazards at San Antonio Pump Station. Improvements will include suspended tanks and duct work, retrofit of pump switchgear, generator and compressor anchorages ans installation of flexible couplings.	2000	$2,000,000
0	C	600	4	San Francisco Regional Water System	3810001	130	Northwest Reservoir	Design and construction of a new reservoir to serve the northeastern part of the city.	2004	$913,341
0	C	600	4	San Francisco Regional Water System	3810001	134	Bay Division Pipelines Reliability Improvements	Bay Division pipeline improvements.	2001	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	131	Delivery and seismic improvements.	Construct four cross connections to bypass the pipe sections most likely to fail in an earthquake.	2003	$10,481,958
0	C	600	4	San Francisco Regional Water System	3810001	103	This project provides for erosion control and drainage improvements at Sutro Reservoir. The drainage problems around the reservoir have caused hillside erosion, up-rooted trees, siolated flooding and reversed flows.	Study the drainage and errosion issues. Develop baseline information and recommend permanent low maintenance solutions which include: tree removal retaining walls, erosion control mesh, the installation of a hillside drainage system and reconfigur.	2000	$9,360,000
0	C	600	4	San Francisco Regional Water System	3810001	109	Replacement of valves on the manifold and transmission line piping in the Baden Pump Station yard.	Provide Baden Pump Station with standby power, seismic retrofit, fire protection and security access.	2000	$7,995,000
0	C	600	4	San Francisco Regional Water System	3810001	101	Caustic Soda -Fluoride Chemical: Construction of a chemical feed station is necessary in order to optimize corrosion control and to provide a consistent fluoride residual in the treated water that is delivered to the City of San Francisco.	Conduct a study to define criteria for chemical types, doses, methods of addition and site selection. Construction drawings and specifications will be developed from these recommendations. The facility will then be built according to these drawings	2000	$1,000,000
0	C	600	4	San Francisco Regional Water System	3810001	132	Lake Merced Emergency Supply Improvements	Lake Merced emergency treatment study.	2002	$154,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	133	Crystall Springs Bypass Line	Add new parallel pipeline from the Crystal Springs Bypass Tunnel in the south to the Crystal Springs Road in the north,	2004	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	102	Chloirne Station Refurbishment: Currently, there are twelve City chlorination stations that have various levels of operation and control capabilities ans safety provisions. This project includes a needs assesment and providing recomm. For improv.	The facility will be constructed according to the construction documents.	2000	$650,000
0	C	600	4	San Francisco Regional Water System	3810001	164	Noe Valley Transmission Main Phase 2	Extend the Noe Valley pipeline to serve low pressure zones.	2003	$7,837,740
0	C	600	4	San Francisco Regional Water System	3810001	167	Cross Town Transmission Main	New cross town transmission pipeline for the CCSF.	2003	$14,422,987
0	C	600	4	San Francisco Regional Water System	3810001	157	Enlarge Sunol Treatment Capacity to 240 mgd	Expand Sunol WTP capacity with new processes.	2004	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	158	Sunset Souuth Reservoir - Seismic Upgrade & Rehab.	Seismic upgrade work and other structural and general rehabilitation at the South basin of the Sunset Reservoir	2004	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	159	Feeder Main Stanford Heights/Twin Peaks.	Replace mains between Stanford Heights and Twin Peaks.	2002	$3,654,530
0	C	600	4	San Francisco Regional Water System	3810001	160	Sunset South Reservoir - Seismic Upgrade	Rehabilitate Sunset South Reservoir.	2004	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	161	Hardwire Pump stations for RTU's	Rehabilitate/replace outdated pump station controls.	2003	$318,331
0	C	600	4	San Francisco Regional Water System	3810001	155	HTWTP Short-term improvements filtration	Harry Tracy WTP filter control improvements.	2002	$10,365,571
0	C	600	4	San Francisco Regional Water System	3810001	163	Lake Merced Pump Station essential upgrade.	Rehabilitate Lake Merced pump station.	2002	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	154	Mountain Tunnel Repairs	Pipeline rehabilitate Mountain Tunnel	2003	$2,060,000
0	C	600	4	San Francisco Regional Water System	3810001	165	San Andreas Pipeline	Extend the San Andreas Pipeline to the Sunset Reservoir.	2005	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	166	Fulton @ Sixth Ave. 30 inch steel Main Replacement	Replace Richmond District supply main.	2003	$3,129,061
0	C	600	4	San Francisco Regional Water System	3810001	099	Replace mound pipe: Pipes are supported on concrete saddle, but have no anchorage against movement potentially caused by a large earthquake.	Replace those pipes that are in corroded condition.	2000	$1,551,846
0	C	600	4	San Francisco Regional Water System	3810001	168	Lincoln Way Transmission Line.	Redundant transmission pipeline for the Sunset Zone into CCSF	2003	$9,887,876

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	089	Upgrade of In-City Pump Stations to ensure system reliability. Upgrading of the switchgear, electrical system, pumps and other items. Standby emergency generators.	Provide the necessary facilities to support the SCADA project by adding telemetry to the pump station which will be tied into the Lake Merced Pump Station . Construct a pump station to provide adequate supply to each of the In-City Reservoirs.	2000	$12,775,000
0	C	600	10	San Joaquin River Club Inc	3910018	001	EXTREMELY HIGH TDS WATER.	TAKE SURFACE WATER FROM SAN JOAQUIN RIVER AND TREAT WITH SURFACE WATER TREATMENT PLANT. OTHER = DESIGN AND CONSTURCTION	1999	$750,000
0	C	600	6	AVILA BEACH COMM SERVICE DIST	4000222	006	Valves don't operate due to corrosion	Replace valves and distribution piping	2003	$250,000
0	C	600	4	San Francisco Regional Water System	3810001	162	Balboa Reservoir and Related Facilities.	Construction of a new treated water storage reservoir (Balboa).	2005	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	146	Tesla Portal & Thomas Shaft Disinfection	Sample Station for Thomas Shaft for process control.	2002	$955,000
0	C	600	4	San Francisco Regional Water System	3810001	138	Survey and evaluate infrastructure of WS facilities	Inspect and evaluate water system infrastructure and compile recommendations for repair.	2003	$309,000
0	C	600	4	San Francisco Regional Water System	3810001	139	Capuchino Valve Lot Capacity improvements.	Enhance system reliability in the event of disruption to Hetch Hetchy and Sunol Water supplies. The project requires analysis of the Capuchino valve lot to identify necessary improvements for backfeed capability of up to 80 mgd. Project also includes se	2005	$1,345,339
0	C	600	4	San Francisco Regional Water System	3810001	140	Model Construction	Construct hydraulic model of the city system to manage supply and quality.	2002	$1,092,701
0	C	600	4	San Francisco Regional Water System	3810001	141	Mo order mormal rate limits.	quality regulations, current and future service needs, operational flexibility and emergency response to determine the recommended plant capacity and identify the specific capital improvements. Improvements include ozone treatment, and capacity upgrades;	2003	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	142	Pulgas Balancing Reservoir Improvements	Improvements to Pulgas Reservoir to maintain water quality.	2002	$1,037,655
0	C	600	4	San Francisco Regional Water System	3810001	143	Pennisula improvement project.	To develop a program enabling the best utilization of water from the Harry Tracy WTP. In particular, this program will address the possibilities of Hetchy and Sunol source outages or insufficient supply requiring backfeed of pennisula water to the south	2003	$515,000
0	C	600	4	San Francisco Regional Water System	3810001	156	Sunset North Reservoir - Seismic Upgrades	Rehabilitate Sunset North Reservoir.	2003	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	145	Crystal Springs PS and CS - SAPL Capacity	Increase hydraulic capacity of raw water facilitied for Harry Tracy WTP for system reliability.	2002	$20,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	137	San Joaquin Pipelines. Unreliable experiencing sudden ruptures, flooding, leaks and service outages.	Construct a new paralell San Joaquin pipeline. Will also include development and evaluation of alternative projects, field investigations. Etc…	2002	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	147	Hetch Hetchy Gradeline Study.	Study the feasibility of raising the Hetch Hetchy gradeline.	2003	$103,000
0	C	600	4	San Francisco Regional Water System	3810001	148	Merced Manor Reservoir - Seismic upgrade and Rehabilitation.	Rehabilitate Merced Manor Reservoir.	2003	$5,791,775
0	C	600	4	San Francisco Regional Water System	3810001	149	Backbone Pipeline System Development	Develop and construct a "backbone" pipeline system for reliability.	2002	$1,015,000
0	C	600	4	San Francisco Regional Water System	3810001	150	Crystal Springs #2 Pl replacement in City	Replace Crystal Springs #2 pipeline.	2004	$20,000,000
0	C	600	4	San Francisco Regional Water System	3810001	151	Pipeline Preparation Prioritization Plan.	Pipline repair emergency response plan for seismic events.	2002	$150,000
0	C	600	4	San Francisco Regional Water System	3810001	152	Water System Automation	Automate Transmission system control valves.	2003	$937,480
0	C	600	4	San Francisco Regional Water System	3810001	153	Harry Tracy Water Treatment Plant short term improvements.	Harry Tracy WTP improvements.	2005	$8,841,000
0	C	600	4	San Francisco Regional Water System	3810001	144	Pulgas Pump Station Control Panel Replacement	Replace control system for Pulgas Pump Station.	2002	$150,000
0	C	600	4	San Francisco Regional Water System	3810001	034	Old services need replacement.	Renew all old, obsolete and inadequate services in the city.	1998	$34,760,000
0	C	600	4	San Francisco Regional Water System	3810001	068	Need to develop ground water for drought contingency.	1). Westside basin groundwater mgmt; 2). Lake Merced lake level mgmt; 3). Salt water intrusion monitoring; 4). GG Park and zoo well installation and development; 5). West Basin water supply 6). Lobos Basin invest.	1998	$18,000,000
0	C	600	4	San Francisco Regional Water System	3810001	098	Irvington Portal Valve Actuation: Transmission main line and bypass valves are old and deteriorated. The BDPL's cross the Hayward Fault. Rupture of these pipelines @ these locations could cause significant flooding.	Repair and replace the existing transmission main lines and bypass valves.	2000	$715,000
0	C	600	4	San Francisco Regional Water System	3810001	026	Reservoir inlet/outlet close to each other.	DETERMINE NEED FOR MODIFICATIONS TO THE INLET/OUTLET PIPING TO ASSURE ADEQUATE MIXING TO ALLEVIATE WATER QUALITY PROBLEMS AND TO ENHANCE OPERATION AT EACH RESERVOIR.	1998	$10,000,000
0	C	600	4	San Francisco Regional Water System	3810001	027	Palo Alto pipeline needs redundant connection.	PROVIDE REDUNDANT CONNECTION OF PALO ALTO PIPELINE, INCLUDING REDWOOD CITY SERVICE TO BAY DIVISION PIPELINES #1 AND #2.	1998	$334,000
0	C	600	4	San Francisco Regional Water System	3810001	029	Cannot move water pass Pulgas in an emergency.	REVIEW AND DESIGN PRESSURE CARRYING CAPACITY.	1998	$28,700

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	080	Palo Alto Pipeline Redundant Connection: the existing connection is east of valves A60 and B60 only, which limits the flexibility of the WD to repair these lines and to service the communities in the area served by these lines.	Connect the Palo Alto Pipeline, including the Redwood City Service, to Bay Division Pipelines Nos. 1 and 2 west of valves A60 and B 60.	2000	$641,501
0	C	600	4	San Francisco Regional Water System	3810001	079	Manual valves need to be replaced. Takes up to 8 hrs to isolate a reservoir this way. Valves are in poor condition and are over 50 years old.	Replace manual valves with automated/motorized valves	2000	$3,780,000
0	C	600	4	San Francisco Regional Water System	3810001	078	Corrosion Control Implementation Master Plan; The implementation of a corrosion control program for facilities within jurisdiction of the WS&TD is needed.	Preparation of standard procedures, planning, design, and installation of cathodic protection system to minimize or elinubate corrosion.	2000	$2,000,000
0	C	600	4	San Francisco Regional Water System	3810001	077	Undetermined sources of contamination/kocal ws.	Sanitary Survey	1999	$110,000
0	C	600	4	San Francisco Regional Water System	3810001	076	Undetermined and unquantified generators of Watershed point and non-point sources of contamination.	Sanitary Survey	1998	$110,000
0	C	600	4	San Francisco Regional Water System	3810001	022	Large mortar lined pipes very old.	INVESTIGATE EXISTING SYSTEM AND DEVELOP LISTING OF MOST VIABLE CANDIDATES FOR MORTAR LINING. REPLACE, REPAIR, AND RELINE OF THE MORTAR AND FEEDER MAINS.	1998	$540,000
0	C	600	4	San Francisco Regional Water System	3810001	030	Controls inadequate at Pulgas valve lot.	INSTALL TWO CONTROL VALVES ON EACH PIPELINE AT THE PULGAS VALVE LOT. INSTALL A BYPASS AROUND INDIVIDUAL VALVES TO REGULATE LOW FLOWS.	1998	$775,000
0	C	600	4	San Francisco Regional Water System	3810001	018	Hunters Point distribution system needs upgrades.	CONSTRUCT AN ENTIRE NEW INFRASTRUCTURE OF 8", 12", AND 16" DUCTILE IRON MAINS IN A PHASED PROGRAM CONSISTENT WITH PROPOSED DEVELOPMENT.	1998	$15,000,000
0	C	600	4	San Francisco Regional Water System	3810001	035	Pump stations have varying types of motors and controls.	Survey and recommend which pumps, motors and starters that can be used in more than one location. Replace identified trols, and valves that allow hydro-pneumatic pump stations.	1998	$968,000
0	C	600	4	San Francisco Regional Water System	3810001	039	SCADA needed for system monitoring.	Develop master plan. Design of SCADA system covering the high priority remote site identified in the master plan.	1998	$26,046,275
0	C	600	4	San Francisco Regional Water System	3810001	045	Treasure Island system distribution rehabilitation.	Replace the plastic water mains with ductile iron piping. Reconfigure some of the existing network of water mains to compartmentalize the Treasure Island system.	1998	$35,000,000
0	C	600	4	San Francisco Regional Water System	3810001	072	Need a watershed management plan.	A watershed management plan will be developed.	1998	$2,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	047	Valves need exercise and repair.	exercise approximately 10 percent of the 15,500 gate valves each each year; determine if a particular valve needs to be repaired or replaced.	1998	$15,000,000
0	C	600	4	San Francisco Regional Water System	3810001	071	Need watershed assesments for HH annually.	Conduct an assessment of the watershed (that is annual sanitary surveys, GIS database, monitoring programs).	1998	$500,000
0	C	600	4	San Francisco Regional Water System	3810001	050	Harry Tracy WTP unit processes dificiencies to operate at design capacity.	Thoroughly analyze the performance of the plant to identify unit processes which limits the plant's capability for extended periods of time.	1998	$27,000,000
0	C	600	4	San Francisco Regional Water System	3810001	070	Need watershed assesments for new land uses.	Conduct watershed assessment.	1998	$250,000
0	C	600	4	San Francisco Regional Water System	3810001	054	Need to demolish old pump station for new lab.		1998	$775,000
0	C	600	4	San Francisco Regional Water System	3810001	057	Rehabilitation of treatment facilities.	Replace 2 out of 12 tanks at Sunol Valley Water Treatment Plant and HTWTP; Provide standby electric power at disinfection monitoring stations. Provide a deep well water quality monitoring stations at Thomas Shaft.	1998	$12,800,000
0	C	600	4	San Francisco Regional Water System	3810001	066	Need additional storage in Bernal Heights.	Obtain property for the new reservoir; Construct new 500,000 gallon reservoir including all necessary connection piping and ancillary facilities.	1998	$4,060,000
0	C	600	4	San Francisco Regional Water System	3810001	075	Cattle grazing on local watersheds.	Watershed management	1998	$1,465,750
0	C	600	4	San Francisco Regional Water System	3810001	085	Seismic Protection on City Reservoirs:completing site surveys, and internal inspections for all in-city reservoirs and tank facilities. Seismic, corrosion, and other areas that failure might occur.	Upgrades covered in this project are: roof repair, expansion joint replacement, painting coating paving, and tank replacement. This project will lead to improvements in water quality operations and emergency operation benefits.	2000	$47,977,000
0	C	600	4	San Francisco Regional Water System	3810001	097	Grizzly Creek Canal Upgrade: lower sectio of the creek is adjacent to Mocassin Reservoir. Often during heavy periods of rain runoff into Grizzly may cause the creek to overflow and introduce storm flow into Mocassin. Serious turbidity problems.	Provide a concrete lining in sections of the canal to eliminate turbidity and the potential contamination of the Mocassin Reservoir. In addition, concrete repairs will be made to the Mocassin Powerhouse where errosion has occurred.	2000	$1,160,000
0	C	600	4	San Francisco Regional Water System	3810001	096	Modifications are needed at the Sunol Valley Water Treatment Plant to improve the water treatment process, controls and monitoring and to improve reliability.	Upgrade the Calaveras Potassium Permanganate facility which is upstream of the SVWTP.	2000	$2,069,000
0	C	600	4	San Francisco Regional Water System	3810001	095	Moccasin Reservoir Dredging: water quality improvement needed.	Address the need to design and construct water quality improvements will allow for the unimpeded operation of Moccasin Reservoir as a balancing forebay for the Foothill Tunnel. Detail design for Cherry Rock Trap Cleaning.	2000	$2,293,939

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0	C	600	4	San Francisco Regional Water System	3810001	094	Identifying critical SFPUC power and water supply transmission and treatment facilities. Assess and evaluate the risk of failure from earthquakes, fires, and floods, and any other hazardous event.	Conduct chemical studies and recommend capital improvements.	2000	$914,375
0	C	600	4	San Francisco Regional Water System	3810001	093	Improvement in DIM in-City distribution system.	Construct, replace or extend feeder mains/distribution mains.	2000	$100,000,000
0	C	600	4	San Francisco Regional Water System	3810001	092	In/Outlet piping in close proximity to each other. This situation affects the Department's ability to meet the demand, maintain chlorine residuals, control formation of disinfection by-products such as THM's.	Provide for a study of all in-city resrvoirs to determine the need for modifications to the inlet/outlet piping.	2000	$2,859,000
0	C	600	4	San Francisco Regional Water System	3810001	004	BD pipeline needs repair.	Provide cleaning of exposed reinforcing steel and patching of concrete where needed.	1998	$1,368,000
0	C	600	4	San Francisco Regional Water System	3810001	090	Upgrading of pump station.	Outer reaches of Sunset zone can be eliminated, a freeboard of 10-25 feet at the Sunset Reservoir could be utilized to improve water circulation and reduce the accumulation of THM'S.	2000	$4,250,000
0	C	600	4	San Francisco Regional Water System	3810001	088	Cross Connection: San Antonio Pump Station needs improvements to have the ability to isolate zones of the station manifold. Piping and valving modifications are also needed.	Modify the piping and valving at the San Antonio Pump to further increase the flexibility of operations and maintenance.	2000	$1,114,000
0	C	600	4	San Francisco Regional Water System	3810001	087	Improve transmissison and distribution flows throughout the system.	Develop the in-house capability to analyze the transmission and distribution flows throughout the system.	2000	$640,000
0	C	600	4	San Francisco Regional Water System	3810001	086	Improvement of reservoir inlets must be connected to both basins of Sutro Reservoir to provide for maximum circulation.	This project involves conceptual engineering hydraulic modeling, physical modeling, detail design and construction.	2000	$14,230,000
0	C	600	4	San Francisco Regional Water System	3810001	091	Bay Bridge Pump Station: Needs to be relocated, at present time it interferes with seismic retrofitting of the bay bridge. Also needs a new pump station.	A new pump station will meet the CDD's standards for reliability and efficiency. The station will be equipped with back-up pumps, emergency power and SCADA compatability.	2000	$6,830,000
0	C	600	4	San Francisco Regional Water System	3810001	007	Replace BD pipeline #1 from Irvington.	Replace BDPL # 1 with new welded steel pipe from Irvington Portal to Pulgas Portal.	1998	$225,000,000
0	C	600	4	San Francisco Regional Water System	3810001	023	Tunnel access audits inadequate for regular access.	REPAIR AND REPLACE EXISTING DOORS, TUNNEL AND ACCESS ROADS.	1998	$9,980,000
0	C	600	4	San Francisco Regional Water System	3810001	084	Improve water quality in the Pulgas balancing Reservoir.	Develop a testing plan for the evaluation of various operational plans.	2000	$1,070,000
0	C	600	4	San Francisco Regional Water System	3810001	083	SVWTP Decant Pump VFD Drives need implementations	Add 3 variable frequency drives for each 125 HP decant pumps at SVWTP. Install Programmable Logic Controller to sequence pumps relative to flow of water from decant lagoon to decant pump. Convert existing manually operated valve to motor valve.	2000	$574,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	600	4	San Francisco Regional Water System	3810001	082	84" Steel Crystal Springs Bypass PL at Polhemus: this project is to provide additional operational flexibility.	Construct about 4500 LF of 84 inch steel pipeline adjacent to existing prestressed pipeline. Addition of this line will allow WD additional operational felxibility.	2000	$4,025,000
0	C	600	4	San Francisco Regional Water System	3810001	008	Add fifth BD pipeline to meet maximum demand.	Build a fifth pipeline in existing city right of way from Irvington Portal to Pulgas Tunnel. Perform study of pipeline route.	1998	$195,000,000
0	C	600	4	San Francisco Regional Water System	3810001	009	BD pipeline #5 will cross hayward fault.	Upgrade four Bay Division pipelines at Hayward fault, so that they can withstand an earthquake of Richter magnitude 7 or greater.	1998	$67,050,000
0	C	600	4	San Francisco Regional Water System	3810001	015	Need pump to pipeline to move CS water directly to HTTP.	Study capacity increase, existin piping and valving arrangement which is aging and poses certain operational difficulties.	1998	$32,000,000
0	C	600	4	San Francisco Regional Water System	3810001	016	Pump station needs to be relocated.	RELOCATE PUMP STATION INCLUDING REPLACEMENT OF NECESSARY PUMP, STANDBY POWER AND PIPING. FIND A NEW LOCATION FOR PUMP.	1998	$2,500,000
0	C	600	4	San Francisco Regional Water System	3810001	081	Calaveras Pipeline is exposed to possible damage due to the large steep unstable slope next to the east side of pipeline. The pipeline is above grade and is exposed to possible damage from failure of the slope.	The problem is in the process of being analyzed and remedial measures will be taken to reduce the risk of damage from slope failure thereby protesting the pipeline from damage.	2000	$460,000
0	C	600	4	San Francisco Regional Water System	3810001	005	BD pipeline lining needs repair/replacement.	Remove existing deteriorated coal tar/mortar coating and apply new protective coating. Repair leaky expansion joints.	1998	$350,000
0	C	648	15	El Dorado Mutual Water Co.	1900803	005	Our existing 2 pressure pumps are old and inefficient. They cycle using an old mercury based relay pressure sensor. If we were ever to intertie with our 3 nearby mutual water companies and need to supply one of them with emergency water, the existing pump	Two new vertical pumps and a variable frequency drive with an electrical system upgrade (including new wiring, panels, sensors etc.) would increase efficiency, reduce cost, provide increase flow to other agencies in case of emergency, and provide a co	2008	$100,000
0	C	648	15	El Dorado Mutual Water Co.	1900803	003		Basically this would be a connection to 4 other water companies. The connection to LA County Water would require a vault on 10th St. W., and would be a one way connection - we would buy water from them in case of an emergency. The other 3 mutuals (Westsid	2010	$260,000
0	C	648	15	El Dorado Mutual Water Co.	1900803	002		Our water yard sits right on the corner of a very busy 5 lane road - it has a lot of visibility, and half of the yard has only a 3.5 ft high fence around it. We need to finish fencing the yard with 830 feet of 6 foot high chain link fence with barbed wire	2008	$60,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	648	15	El Dorado Mutual Water Co.	1900803	004	We have no gauranteed emergency backup and only one well. AVEK is our only backup, and although they have always helped us out, the written agreement is that they can shut down our connection at any time.	Another well would give us an emergency backup in case our existing well stopped working. A new well would also provide 3 other mutuals emergency help if we were to intertie with them.	2009	$250,000
0	C	690	6	YERBA BUENA WATER COMPANY	5610006	001	Main Source of water supply is only one well, no backup well for reliability.	Construct a backup well with 50 HP turbine pump, 250,000 gallon additional steel tank, 3000 feet of new 8 inch water main line	2000	$300,000
0	C	702	18	Inverness Public Utility Dist	2110001	002	Treatment plants occasionally cannot meet demand.	Purchase and install another microfiltration membrane package unit capable of producing an additional 50 gpm	1998	$140,000
0	C	702	18	Inverness Public Utility Dist	2110001	001	Old redwood tanks leaking. End of useful life.	Replace old finished water tanks.	1999	$225,000
0	C	717	8	South Midway City Mutual Water Co.	3000825	002	We hope to achieve improved water production security by replacing aged infrastructure/equipment, installation of emergency back-up power system, and by making site security improvements. Unfortunately, we do not have sufficient reserve fudns to achieve	Currently, we are seeking funds to make improvements to the Production side of our operation with our Water Production Security Improvement Project. Following, is a prioritized list of improvements, including estimated costs and total:1. Re-hab exi	2008	$350,000
0	C	717	8	South Midway City Mutual Water Co.	3000825	001	Aged infrastructure/equipment and insufficient site security	Finish the installation of hydro-pneumatic pressure tank; well re-hab; site security improvements (entry gate, pump enclosure and fencing); install emergency back-up power and solar power system.	2007	$120,000
0	C	750	2	Tahoe City PUD - McKinney/Quail	3110011	001	System has 1 hard rock well that experienced a sudden loss of capacity in July 2003. Customers were notified to conserve water and irrigation rules were imposed. System installed a temporary surface WTP in July 2004.	System plans to construct permanent surface WTP.	2007	$2,000,000
0	C	792	9	Valhalla Mobile Home Park	5710008	002	The well aqufer appears to be failing and the oldest of our two wells is no longer functional. We must connect to city water.	We must connect to West Sacramento water system and install water meters.	2005	$575,000
0	C	792	9	Valhalla Mobile Home Park	5710008	001	manganese level	Install manganese filters	2003	$50,000
0	C	887	1	City of Dorris	4710001	002	Approximately 50% of the City's water distribution system consists of steel pipelines more than 50 years old, including many lines dating from the 1940s and earlier. Those lines are failing at an increasing rate, exposing the distribution system to po	Construction of approximatley 6600 of water line along the Citys street. This will include both 6 and 10 water mains along with service connections, gate valves and hydrants.	2008	$870,000
0	C	892	14	Winterhaven WD	1310009	001	too many leaks		2004	$75,000
0	C	900	18	Sonoma County CSA 41-Fitch Mountain	4910010	001	Too much air is dissolved in the water at the booster pump station.	Install 30,000 gal tank on an easement near the top of the mountain. Install a higher head pump at the booster station and extend the water line up to the new tank.	1998	$60,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	900	20	Fern Valley WD	3310040	002	We are a not-for-profit conference center and camp at about 5600 feet elevation. The local area has been getting drier and drier over the last 5-10 years. Our current and only well is dry at 320 feet. We only have 7900 gallons of storage with 2 tanks a	We have a serious capacity problem that not only effects our operation, but also the agencies that we have agreed to support in the event of an emergency (CDF and the Red Cross). Our local well and system is shut down and we are currenly using city water	2007	$185,000
0	C	926	2	Squaw Valley Public Service District	3110020	008	Phase 4 of Aquifer Storage and Recovery (ASR) program.		2006	$1,250,000
0	C	926	2	Squaw Valley Public Service District	3110020	001	Existing wells are reaching the end of their expected life.	Develop a new water source. Involves design and construction.	1998	$300,000
0	C	926	2	Squaw Valley Public Service District	3110020	002	The District is currently seeking acceptable quality groundwater well sites for engineer-recommended well replacement.	The District's objective is to proceed with the design and construction of a 3 MGD water treatment plant for iron and manganese removal should acceptable water quality not to be found.	1999	$1,000,000
0	C	926	2	Squaw Valley Public Service District	3110020	005	Current well 4R has a serious sanding problem and also only a 35' sanitary seal. This well is necessary for the SVPSD to ensure reliable capacity during normal and grought conditions. Well 4R is currently not equipped with a pump (see attached report)	The project would include abandoning well 4R and drilling a new well, 4RII with a 50' sanitary seal and an engineered gravel pack to ensure adequate water quality and quantity to meet system demands (see attached report)	2003	$1,015,000
0	C	926	2	Squaw Valley Public Service District	3110020	007	Well's #1 and #3 do not have sanitary seals, are 40 years old, need backup. Well #1 exceeds manganese standard. Need future supply to meet demands.	Replace Wells #1 and #3 and construct treatment plant.	2004	$2,775,000
0	C	926	2	Squaw Valley Public Service District	3110020	006	Well #1 is a below grade well in a concrete pit and was not constructed with a sanitary seal (see attached expalnation). Well #1 is 43 years old and suffered a casing failure in 1999. It was slip lined as a temporary repair in 1999.	Replace below grade well #1 with a well that meets current stadards (i.e. sanitary seal, above ground installation)	2004	$500,000
0	C	998	16	LOS ANGELES CO WW DIST 21-KAGEL CANYON	1910075	008	THE EXISTING DISCHARGE PIPELINE FROM THE DISTRICT NORTHERLY WELL (NO. 5) IS AGED, UNDERSIZED, AND IN NEED OF REPLACEMENT. THIS WELL HAS THE HIGHEST PRODUCTION, LOW NITRATE LEVEL, AND IS NECESSARY FOR SUCCESSFUL NITRATE BLENDING WITH OTHER SOURCES.	REPLACE 3000 FT OF 4" DISCHARGE MAIN.	2001	$340,000
0	C	1000	15	GREEN VALLEY CWD	1910244	003	The District's water storage tank systems are designed so that the water enters and exits the tank near the bottom through the same pipeline. During periods of low water use, the water at the top of the tank is not always used. By mixing the water in the	A Solar Powered Water Tank Circulator would be installed at each of the six water storage tanks.	2008	$180,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1000	15	GREEN VALLEY CWD	1910244	005	All the District's wells pump a total of approximately 200 gpm and deliver it into the lower zone tanks. Customer demand is furnished from the 800,000 gals of storage which are in three pressure zones. An additional well would increase the production capa	The project involves the drilling of a test well and if successful the drilling and development of the production well. The installation of the pump, panel and pipeline to existing pipelines would follow the completion of the well. Location of the well	2008	$110,000
0	C	1000	15	GREEN VALLEY CWD	1910244	002		We are a rural isolated community completely surrounded by the Angeles National Forest. All of our well locations are secured by a well house and chain link fence. Our water storage tanks and booster pump stations are located throughout the town some in v	2008	$77,000
0	C	1030	6	SLO CSA NO. 16 - SHANDON	4010028	001	existing distribution lines are inadequate for providing fire flows and pressures	Replace existing water distribution lines	2007	$700,000
0	C	1080	2	Midway Heights C. W. D.	3110041	001	General system improvement. District must currently purchase treated water suppies at a very high cost; supplies are also limited during high-use and/or treatment plant stress periods.	District would install/construct a package treatment plant which would lower costs and provide a high quality supply to meet present and future needs.	1999	$200,000
0	C	1100	13	Yermo Water Co	3610118	002	System is old - needs upgrade	Upgrade the system, replace mainlines	2002	$50,000
0	C	1119	2	Shasta Co. Service Area #6	4510004	002	The Jones Valley water treatment plant has had ongoing telemetry and control problems. Some of the electronic valves are now obsolete-parts are not available for repairs. The existing software will not interface properly with the plant resulting in tank	The proposed project will replace the obsolete electronic controls with a new PLC and updated software and parts to better automate plant operation. The controls upgrade will prevent excessive water waste by properly controling plant backwash cycles and	2009	$80,000
0	C	1200	18	Bolinas Community PUD	2110005	001	Deteriorated Distribution System - Conveyance Losses +-20%. Listing of leak repairs attached.	Design and construction	2000	$1,500,000
0	C	1200	6	SLO CWWD NO. 23 - SANTA MARGARITA	4010024	003	Existing reservoir is inadequate for fire protection and emergency storage	Design & construct a new larger tank	2007	$750,000
0	C	1200	6	SLO CWWD NO. 23 - SANTA MARGARITA	4010024	004	Water distribution mains are inadequate for fire flows and pressures	Design and construct replacement water mains	2008	$500,000
0	C	1300	1	McCloud C.S.D.	4710006	004	replace 80 year old distribution system about 30 miles in lenth		2008	$5,000,000
0	C	1301	3	Laytonville County Water District	2310011	001	Fify year old steel well casing with three major breaks in the casing which have been sleeved. The top break is 13 feet below the surface and compromises the well annular seal. In the winter the high water table can lead to water going into the well thr	Construct a new well with a new pump.	2002	$67,630
0	C	1385	6	SAN MIGUELITO MWC	4010003	007	Need to improve booster pump station.	Replace single pump with a standard dual pump, alternating boost station.	1998	$30,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1385	6	SAN MIGUELITO MWC	4010003	009	Upgrade the distribution system for reliability.	Install an eight inch loop connection to add redundancy to the system, enabling repairs without shutting down service to the entire system	1999	$30,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	004	Needs to improve sources.	Research feasibility of local groundwater basin (hot well) to store excess treated water.	1998	$10,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	006	Need standby power for emergencies.	Purchase a mobile standby power unit and install compatible receptackles for wells, boost stations and treatment plant.	1999	$75,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	003	Needs to improve sources.	Test existing Hot Well and East Harford wells for treatability and production.	1999	$15,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	002	Needs to upgrade two 220,000 gallon storage tanks.	Replace corroded steel and tank floors if necessary, sandblast and paint tanks then install cathodic protection system for all tanks.	1998	$100,000
0	C	1385	6	SAN MIGUELITO MWC	4010003	001	Needs to improve Storage tank No. 550.	Replace steel floor, construct new tank roof install new tank appurtenances, sandblast and paint tank then install cathodic protection system.	1998	$65,000
0	C	1500	6	RIO MANOR MUTUAL WATER CO	5610035	003	Two old hydrants are corroded and need replacing due to valves not operating.	Replace hydrants	2003	$7,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	009	Surface Water Source intake failures and vulnerability upgrades (see attached)	Surface water source upgrades.	1998	$35,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	008	Degradation of Outdoor Filtration Treatment Units due to weather (see attached)	Provide metal building cover over package plant treatment units.	2000	$130,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	006	Inconsistency of raw water supply availability from Black Rock Creek, requires storage for equalization of source supply to treatment plant. Two existing redwood tanks with approx, 60,000 gal capacity have failing foundations, severely deteriorated.	Design and construct two new storage tanks to replace the existing tanks.	1999	$120,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	005	Lack of Facility Monitoring and Pumping Controls and Emergency Warning	Automate facility high service pumping operation and emergency warning.	1998	$75,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	002	Extensive treated water storage tank coating system failures.	Storage tank coating system repairs.	1998	$115,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	003	Minimal treated water storage capacity	Construct additional treated water storage capacity	1999	$250,000
0	C	1500	16	AVERYDALE MWC	1910023	001	Our #3 Well produces water with very fine particles of clay. Several attempts to clean up the water have failed. Both of our other two wells are over 30 years old.	Drill a replacement well.	1998	$100,000
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	010	The raw water storage facilities of the Stinson Beach County Water District (District) include two (2) large redwood storage tanks, each having a capacity of 30,000 gallons. The redwood storage tanks (referred to as the Black Rock raw water storage tanks	The project involves the planning, design, and construction costs associated with replacing the Districts aged 30,000 gallon redwood storage tanks (two tanks totaling 60,000 gallons). The redwood tanks will be replaced with a series of smaller, low-prof	2009	$119,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	013	The Stinson Beach County Water Districts (District) existing surface water treatment plant (WTP), constructed in 1978, utilizes a package conventional treatment plant with coagulation, flocculation, sedimentation, and filtration which was manufactured by	With regulatory requirements becoming more stringent and currently accepted treatment process trending towards obsolescence, the District is considering replacing its aged conventional WTP with a pressure membrane treatment facility. The District has beg	2008	$2,421,500
0	C	1500	18	Stinson Beach County Wtr Dist	2110004	012	The raw water storage facilities of the Stinson Beach County Water District (District) include one (1) large bolted steel raw water storage tank, having a capacity of 410,000 gallons. The storage tank (referred to as the Ranch Raw Water Storage Tank) was	The project involves the planning, design, and construction costs associated with replacing the Districts aged 410,000 gallon bolted steel raw water tank. The tank will be replaced with a welded steel tank having equal capacity as the existing tank. Th	2008	$490,000
0	C	1760	22	WHITE FENCE FARMS MUTUAL WATER CO.	1910249	002	Protective interior coating on 0.11 MG galvanized bolted steel storage tank is deteriorating and corrosion of the tank wall is beginning.	Remove the existing coating by sand blasting to a near white profile and recoat with a NSF approved epoxy paint.	1998	$20,000
0	C	1998	2	Westwood C.S.D.	1810002	002	The existing covering over the spring was constructed in 1975 and consists of wood trusses covered with plywood and a built-up composition roof. The treated wood trusses have a tendency to sweat and drip into the spring water during certain times of th	The proposed spring enclosure consists of a steel building with reinforced steel plating to resist vandalism and bullet holes. The site is remote with limited access, and the structure is subject to potential vandalism. The walls will be approximately s	2008	$240,000
0	C	2000	3	Veterans Home of California	2810008	004	The water treatment plant for the Veterans Home of California, Yountville is equipped with five pressure vessel filters, intended as roughing filters, ahead of two upflow clarifier / mixed media package filter units to aid in handling high turbidity of th	The project would consist of evaluation of media to determine the best material for the application followed by replacement of the existing media with the selected alternative media.	2007	$50,000
0	C	2000	3	Veterans Home of California	2810008	001	Algal blooms, iron, manganese, dissolved oxygen levels.This system is currently treating with copper sulfate for algae control. A neighboring system has recently been sued regarding use of copper sulfate under similar application.Iron and manganese pr	Purchase and installation of solar powered circulation equipment in the source water reservoir to provide environmentally acceptable alternative to chemical treatment for algae, iron and manganese.	2008	$125,000
0	C	2000	3	Veterans Home of California	2810008	003	The Rector Water Treatment Plant has a sub-floor serpentine clearwell for chlorine contact prior to transfer to storage.The inlet piping currently enters the clearwell approximately mid-span of the first chamber. This leaves an area approximately 40 fee	Project would consist of modifying the inlet piping to the existing clearwell by extending the piping approximately 40 feet to the head of the first chamber in the clearwell. Piping would be suspended from the roof of the clearwell. Project will requi	2008	$125,000
0	C	2000	3	Veterans Home of California	2810008	002	A project has just gone out to bid for rehabilitation of an existing 1 million gallon storage tank at the Veterans Home of California. This application is for funding to provide tank level and chlorine residual monitoring equipment and telemetry from th	Purchase and installation of a tank level transducer, chlorine residual analyzer and telemetry equipment to transmit the data from the storage tank to the water treatment plant where the data will be monitored and trended with associated alarms.	2008	$25,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	2025	3	Lower Lake County Water District	1710010	007	Aquifer level decreasing. May soon be too low for existing Cache Creek wells to continue to be viable system sources.	Cache Creek intake, microfiltration unit and recharge well.	2003	$2,000,000
0	C	2100	6	CRESTVIEW MUTUAL WATER CO	5610058	001	Main Source (deep well) has >3.0 mg/l of TOC causing high THMs and discoloration of plant product water.	Add secondary treatment of either ozone or biological filtration to remove TOC & color.	2000	$600,000
0	C	2200	13	TERRACE WATER CO	3610048	001	Old pipelines in need of replacement	Replace pipeline	2003	$750,000
0	C	2229	20	Cabazon Water District	3310047	006	The District has a total of approximately 1,050 service connections. Of these, nearly 500 are located in its lowest pressure zone (the 1713 or Southeast Pressure Zone). The Southeast Pressure Zones single 0.5 MG water storage reservoir was once supplie	The project proposed is to drill and equip a new well pumping plant in the Southeast Pressure Zone consisting of a well, well pumping plant, electrical switchgear and instrumentation, discharge and blow-off piping, masonry block control building, emergen	2008	$1,100,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	003	Replace deteriorated distribution pipeline.	Construct 2,500 LF of 12-inch water line to replace existing 6 inch CML steel water line.	1999	$182,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	004	Needs to replace the deteriorated distribution pipes.	Construct a 4,500 LF of 10-inch water line to replace existing 8-inch CI water line.	1999	$297,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	008	Ventura Waterworks District No. 19 (District) provides water service to domestic and agricultural customers in the Somis community and the surrounding areas. The District was established in 1981 when it assumed the ownership of the Rancho Las Posas Mutua	The project goal is to provide a reliable high quality water supply in compliance with Federal and State requirements and to provide fire flow. This infrastructure improvement project in District No. 19 would implement a replacement program based on an e	2007	$12,100,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	007	Needs to replace distribution pipeline.	Construct 8,300 LF of 8-inch water line to replace existing water lines.	2001	$493,000
0	C	2266	6	VENTURA CWWD NO. 19 - SOMIS	5610015	006	Needs to replace inadequate size distribution pipes.	Construct 2,200 LF of 8-inch water lines to replace existing water lines.	2000	$131,000
0	C	2348	19	FRAZIER PARK PUD	1510007	002	Several leaks in distribution system. Many mains larger than 4-inch diameter are at least 35 years old; smaller lines are even older.	Develop and implement an infrastructure replacement plan.	2002	$11,000,000
0	C	2500	16	MESA CREST WATER CO.	1910241	001	Recoat and reconstruct a 1/2 million gallon reservoir (see attached paperwork) south tank Meadow View Drive, La Canada 91011 (priority 1).	See attached recommendations. Project involves: Design to solve problem and Construction	1998	$50,000
0	C	2500	16	MESA CREST WATER CO.	1910241	002	Recoat and reconstruct a 1/2 million gallon reservoir (see attached paperwork) north tank Meadow View Drive, La Canada 91011 (priority 2)	See attached recommendations. Project involves: Design to solve problem and Construction	1998	$50,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	3000	10	WESTERN HILLS WATER DISTRICT/DIABLO GRAN	5010039	006		The Western Hills Water District (WHWD) owns and operates the water system that serves the community of Diablo Grande. The system is located in a rural area within western Stanislaus County. The original designers of the system did not take into account	2008	$200,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	007	Increase storage and pump capacity.	Improve Bear Valley pump station.	2000	$55,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	019	Filter vessels not matched in size, water quality variations.	Balance system with an identical large filter and removing small.	1999	$38,300
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	018	Temporary Chlorine feed system.	Make modifications to chlorine feed system to make permanent.	1998	$25,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	017	Mix of manual and automatic controls at plant.	Plant improvements adding proportional chemical feed pumps and additional automation.	1998	$40,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	014	Need well head protection program.	Develop a wellhead protection.	2000	$10,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	011	Tank destroyed by fire - replace.	Construct new tank at same site.	1998	$17,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	010	Replace old steel storage tank heavily corroded.	Replace Olema tank.	1998	$80,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	024	Water supply outage due to lack of alarms on remote system and lack of redundancy in pumping resulted in coliform contamination.	Alarms and redundancy could prevent future events. SCADA controls and additional backup pumps proposed.	2002	$200,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	008	Increase storage and pump capacity.	Additional storage.	1998	$100,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	001	Potential for salt water intrusion on supply wells.	Additional storage.	1998	$300,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	002	Potential for salt water intrusion on supply wells.	Additional new well.	1998	$56,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	006	Storage needs unknown.	Study of storage needs	1998	$10,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	005	Old deteriorated pipelines.	Pipeline replacements.	1999	$15,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	003	Potential for salt water influence on supply wells.	Design and construct transmission line to treatment facility from upstream well site.	1998	$350,000
0	C	3000	18	North Marin WD - Pt. Reyes	2110006	009	Replace older redwood tanks.	Design and construct new storage facilities to replace redwood.	2002	$350,000
0	C	3150	6	SLO CWD NO. 10 - CAYUCOS	4010025	004	Existing storage is inadequate for fire protection & emergency needs	design and construct a second storage tank to increase storage and fire protection caqpacity	2006	$750,000
0	C	3150	6	SLO CWD NO. 10 - CAYUCOS	4010025	002	Upgrade distribution system for reliability	REPLACE & RELOCATE APPROX. 1500 FEET OF 4 INCH LINE WITH 8 INCH LINE, INCLUDES RIGHT OF WAY ACQUISITION.	1999	$80,000
0	C	3150	6	SLO CWD NO. 10 - CAYUCOS	4010025	001	Needs to replace deteriorated distribution lines.	DESIGN & CONSTRUCT A WATER LINE REPLACEMENT PROGRAM	1999	$300,000

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0	C	3200	9	Lakeside Park Association	0910019	002	Large sections of the Water distribution system are too small (11/2" and 2") which can not supply demand capacity, old steel pipe which is failing due to corrosion and has many dead-end sections.	Replace old inadequately sized steel pipe with adequately size C 900 pipe and loop all sections to eliminate dead-end mains.	2006	$1,500,000
0	C	3300	20	Box Springs Mutual WC	3310004	002	High nitrate well water (45 -5 - mg/L as nitrate) currently blended with imported water.	Installation of biological denitrification system	1998	$1,100,000
0	C	3441	10	Angels, City of	0510003	004	No backup emergency water supply for City	Construction of one well and connection to City distribution system.	2004	$325,000
0	C	3640	2	Meadow Vista County Water Dis	3110009	001	Distribution piping leaks excessively. DHS has directed that it be replaced.	Replace 16,000 feet with 8 inch pipe.	1998	$560,000
0	C	4000	6	MEINERS OAKS CWD	5610005	001	Four wells unfenced, high public access, foot traffic and safety problems	Need to fence the 4 well sites for system safety and source protection	2006	$20,000
0	C	4000	6	MEINERS OAKS CWD	5610005	003	The system storage consists of 3-500,000, 1-250,000, and 1-80,000 gallon ground storage tanks. All are inter-connected with the distribution system. The tanks are located on gravel base. All are in dilapidated condition. Two of the 500,000 gallon tanks	Replacement of two of the 500,000 gallon storage tanks, and the 80,000 gallon tank. Build new concrete pads adjacent to the current tanks, replace the three tanks including interconnection valving, and demolish the three old tanks.	2007	$750,000
0	C	4000	6	MEINERS OAKS CWD	5610005	004	The water system has approximately 1000 feet of 6 inch steel pipe predating 1950, and 18,000 feet of 4 inch pipe. The pipelines frequently break, creating significant water loss in the community. Pressure in the system is documented to decrease to less th	Replace approximately 1000 feet of 6 inch steel pipe, and portions of 18,000 feet of 4 inch distribution pipe, with new 6 inch pipeline. Install a booster pump with check valve on an existing exterior concrete pad in pressure Zone 2.	2007	$150,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	002	3220 TANK. SEVERAL HUNDRED HOMES WITHIN THE DISTRICT OBTAIN THEIR DOMESTIC AND FIRE FLOWS FROM A REGULATED ZONE. WATER IS PUMPING FROM DISTRICT WELLS INTO A 3,483 FT. ZONE ELEVATION AND IS THEN REGULATED DOWN TO 3,220 FT. ZONE.	CONSTRUCT A 300,000 GALLON INTERMEDIATE TANK TO PROVIDE STORAGE.	1999	$3,040,000
0	C	4282	16	LOS ANGELES CO WW DIST 37-ACTON	1910248	008	Well will not comply with the future standards for radon and arsenic.	Modify existing facilities to meet the new MCLs	2002	$2,000,000
0	C	4660	16	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	006	VAL VERDE GENERATORS. THE DISTRICT'S TWO EXISTING PUMP STATIONS ARE ELECTRICALLY POWERED. IN THE EVENT OF A POWER OUTAGE, ALL OF THE AFFECTED CUSTOMERS COULD REMAIN WITHOUT WATER SERVICE.	INSTALLATION OF EMERGENCY GENERATORS AT TWO CRITICAL PUMP STATIONS.	2001	$200,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	4660	16	LOS ANGELES CO WW DIST 36-VAL VERDE	1910185	003	SLOAN CANYON ROAD. THE PIPELINE TO HASLEY WATER TANK IS A SINGLE FEEDLINE. IF IT RUPTURED, A LARGE PORTION OF CUSTOMERS WOULD SUFFER OUTAGES. ALSO, A DEAD END SYSTEM EXISTS THAT CREATES STAGNATION WHICH COULD RESULT IN WATER QUALITY PROBLEMS.	CONSTRUCT ABOUT 3,000 FT. OF PIPELINE ALONG ROMERO CANYON ROAD TO PROVIDE A LOOP SYSTEM INTO THE TANK AND ALLEVIATE THE DEAD END PROBLEM.	2000	$300,000
0	C	4937	6	Golden State Water Company - Nipomo	4010018	001	Needs to improve sources.	Groundwater Management Plan	1998	$5,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	004	Replace old distribution pipes.	Replace all steel lines with PVC.	2000	$197,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	002	Needs to upgrade the disinfection facilities.	Installed On-site chlorine generation system to meet the County requirements.	2002	$150,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	005	Needs to upgrade the storage tanks	Drain and inspect tanks and determine the best way to fix the problem.	2001	$200,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	006	Upgrade the storage reservoir which is in a deteriorated condition.	Drain and inspect tanks and then determine the best ways to fix the problem.	2002	$100,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	007	Well No. 9 needs to be upgraded.	Pulled Well No. 9 and determined the best way to fix the problem is to replace liner.	2002	$60,000
0	C	5000	6	PLEASANT VALLEY MUTUAL WATER CO	5610008	008	Upgrade the distribution system	Replace all steel lines with PVC.	1998	$399,000
0	C	5412	17	Montara Water and Sanitary District	4110010	030	Increase source capacity	Construct new GW wells	2006	$1,500,000
0	C	5412	17	Montara Water and Sanitary District	4110010	029	Increase storage capacity	Construct additional storage tanks	2006	$1,000,000
0	C	5412	17	Montara Water and Sanitary District	4110010	028	Site tank in appropriate locations	Evaluate appropriate locations for tanks	2006	$150,000
0	C	5412	17	Montara Water and Sanitary District	4110010	027	Water outage during emergency situations	Construct intertie with adjacent system	2005	$150,000
0	C	5527	22	SAN GABRIEL VALLEY WATER CO.-MONTEBELLO	1910189	001	Provide second source of water supply to San Gabriel Valley Water Company's Montebello System No. 1910189 and reduce the use of Metropolitan Water District supply.	Drill and equip a new well at Plant No. 11 to provide additional water supply for the Montebello System No. 1910189.	2007	$700,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	003	Imminent failure of raw water supply due to flood damage to Newton Canal.	Relocate siphon around washout. Involves design and construction.	1998	$170,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	001	Inadequate reliability of raw water supply due to vulnerability of canal headworks to periodic severe damage from high water.	Encase and armor canal headworks. Project involves design and construction.	1999	$280,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	002	Inadequate reliability of raw water supply due to dilapidated section of Newton Canal.	Replace section of canal with pipeline. Involves design and construction.	1998	$550,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	008	Degradation of treated water in storage due to dilapidated redwood tank.	Replace redwood tank with welded steel tank. Involves design and construction.	2000	$180,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	004	Inadequate reliability of treated water supply due to lack of redundancy in mechanical and electrical equipment.	Add a second pump. Involves design and construction.	1998	$45,000
0	C	7090	21	Nevada ID - Lake Wildwood	2910023	005		Add a second pump. Involves design and construction.	1998	$95,000
0	C	7128	20	Western MWD - Murrieta Division	3310036	002	Insufficient storage facilities resulting in potential shortages and higher costs to citizens to pay for imported water. (District does have an unused connection with Eastern MWD)	Construct a series of storage tanks to meet curretn and rapidly growing needs. (No shortages or outages reported as of 11/01.)	2002	$4,200,000
0	C	7128	20	Western MWD - Murrieta Division	3310036	001	Aging wells (District's only source of water) and insufficient production capacity for future needs. Existing wells are in need of replacement and upsizing. (District does have an unused connection with Eastern MWD)	Replace aging wells and develop three new ones according to general site location in Master Plan. (No shortages or water outages reported as of 11/01.)	2002	$1,500,000
0	C	7218	19	TEHACHAPI, CITY OF	1510020	006	The City water system is feed by 7 potable water wells. One of those wells (Synder Well) consistently produces water with nitrate levels above the MCL (Maximum Contaminant Level) of 45 ppm (parts per millions) with a reading of 51ppm.. A second well (De	The project consists of constructing a nitrate treatment plant capable of treating probably around 1000 to 1500 gpm. The City has already prepared a suitable location for the plant at the same site where the City samples for the blending program. The pl	2008	$3,066,000
0	C	7260	9	Florin County Water District	3410033	002	Insufficient water source capacity.	Transmission mains to convey treated water from centralized treatment plant.	1998	$0
0	C	7260	9	Florin County Water District	3410033	003	Overdraft of groundwater.	Transmission mains for conjunctive use distribution.	1998	$0
0	C	7260	9	Florin County Water District	3410033	001	Insufficient distribution system plagued with ruptures and low volume.	Rehabilitation and replacement of aged and antiquated system.	1998	$0
0	C	7376	4	City of Rio Vista	4810004	003	over MCL for the state reguires 10 we are at 13 treat at well head have connections to sewer for treatment discharge	need to meet reguirements for the state we have a well at 13 and wont meet 10mcl asking for treatment funds for well. Have sewer hookup for treatment	2009	$500,000
0	C	7500	16	LA PUENTE VALLEY CWD	1910060	007	Aging 70,000 gal. Zone 1 treatment reservoir (circa 1924) creating possible structural and contamination problems.	Replace existing reservoir with 250,000 gal. steel reservoir. Project involves: Design to solve problem, and Construction	2001	$500,000
0	C	7775	18	California-American Larkfield (PUC)	4910023	001	Water exceeds odor standards.	Improvements to existing water treatment plant.	1998	$210,000
0	C	8200	6	Golden State Water Company - Ojai	5610014	001	Needs upgrades for the Fe & Mn Treatment Plant	Electrical upgrades at the San Antonio and Gorham well	1998	$300,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	006		Problem DescriptionCurrently, Santa Ynez Water Conservation District, Improvement District No. 1 (ID#1) has two booster pump stations that are remotely located, putting these pumping stations at risk of intentional destruction due to vandalism and/or te	2008	$155,000
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	004	Improve 6.5 MG reservoir's structural stability	Implement slope stabilization measures necessary to control embankment creep below the reservoir and reservoir reconditioning.	1999	$2,500,000
0	C	8298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020	001	Needs to upgrade the 6.5 million gallon reservoir.	Replace liner and upgrade piping and inlet/outlet.	1998	$1,500,000
0	C	8557	15	NEWHALL CWD-PINETREE	1910250	003	High head loss in Honby pipeline from Honby Booster to Pinetree Reservoir.	Construct 9,000 feet of 16-inch diameter pipeline from Oak Springs Boulevard to Pinetree storage tank (See Exhibit) Project involves: Design to solve problem, and Construction	1998	$1,575,000
0	C	8557	15	NEWHALL CWD-PINETREE	1910250	002	Pinetree Well No. 1 has a current production capacity of 300 gpm. The well has the capability of producing 800 gpm. (See attached report from Law Crandall).	Install pump, motor, and electrical equipment to pump 800 gpm from Well No. 1 and discharge piping to Soledad Canyon Road. Project involves: Design to solve problem, and Construction	1998	$250,000
0	C	8646	13	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	002	Wells are old and can fail any time due to age	Drill three new wells	2000	$260,000
0	C	8646	13	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	004	Unreliable telemetry systen	Enhance ability to operate and monitor sites by a new telemetry system	2000	$0
0	C	8646	13	HELENDALE COMMUNITY SERVICE DISTRICT	3610112	001	Need control system for off peak pumping	Construct telemetry system	1998	$150,000
0	C	8682	6	Golden State Water Company - Los Osos	4010017	001	Needs to improve sources.	Groundwater Management Plan	1998	$10,000
0	C	8682	6	Golden State Water Company - Los Osos	4010017	002	Needs to upgrade distribution system.	Water sampling stations (6)	1998	$30,000
0	C	9527	6	CHANNEL ISLANDS BEACH CSD	5610039	002	Connected to Port Hueneme Water Agency, reliance on CIBCSD wells as sole sources for water supply has decreased markedly.	Decommission three wells.	2000	$60,000
0	C	9527	6	CHANNEL ISLANDS BEACH CSD	5610039	001	High sulfates	Desalination treatment plant, storage Reservoir and State Water connection	1998	$4,000,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	007	Over drafted basin with no natural recharge capabilities	Construct treatment plant to treat water from the aqueduct.	2002	$10,500,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	006	Unreliable telemetry system	Install a new telemetry system to monitor the system for automatic control and alarms	2000	$100,000
0	C	9847	13	SBNDO COUNTY SERVICE AREA 70J	3610125	001	Inadequate source and storage capacity	Construct 4 new reservoirs and 3 new wells	1998	$3,100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	9884	9	SCWA - Arden Park Vista	3410002	009	General system improvement. Abandoned wells, aging distribution system and low pressure problems.	Construct main replacement project. Involves design and construction.	1998	$2,000,000
0	C	9884	9	SCWA - Arden Park Vista	3410002	008	General system improvement. Abandoned wells, aging distribution system, and low pressure problems.	Acquire site for 250,000 gallon storage tank and booster station.	1998	$100,000
0	C	9884	9	SCWA - Arden Park Vista	3410002	007		Design and construct a 250,000 gallon storage tank and booster station.	1998	$250,000
0	C	9884	9	SCWA - Arden Park Vista	3410002	006		Perform an engineering study to define a main replacement program.	1998	$100,000
0	C	10500	14	Riverview WD	3710030	008	Mapping and data base: The district should develop the data base for the waterworks general information system. The system can be integrated with the county general data base under RUIS.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$100,000
0	C	10500	14	Riverview WD	3710030	007	Filtration and Denitrification: raw water treatment is no doubt a fact to be considered in the water source development: Best technology studies should be completed for filtration, treatment and measurement of water quantity and quality for the Dist	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$750,000
0	C	10500	14	Riverview WD	3710030	006	Well head protection: adequate facilities must be provided to protect the District well field and intrusion of contaminants into the field. Ongoing studies are needed for the application of best management techniques.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$25,000
0	C	10500	14	Riverview WD	3710030	005	Ground water monitoring: monitoring the basin ground water conditions on a continuing basis is a must. The basin serves the District from its well field in the Upper SD River Basin. The Basin is utilized also by the Helox, Lakeside, Padre Dam and C	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$25,000
0	C	10500	14	Riverview WD	3710030	004	Groundwater development: The district is developing its well field.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$175,000
0	C	10500	14	Riverview WD	3710030	002	Telemetry and automatic systems: The district has systems that are failing and that need replacing now. Capital funding is short.	Studies are required to completely define the problem.	1998	$100,000
0	C	10500	14	Riverview WD	3710030	001	Consolidations: Adjacent Districts are reviewing the appropriate size boundaries that can serve the user. Planning studies are required to participate in the joint study.	Planning studies are required to completely define the problem. The purpose of this pre application is to establish priorities.	1998	$50,000
0	C	10807	18	Sonoma, City of	4910012	002	Federal Bioterrorism Act requires system of their size to conduct vulnerability assessment (VA)	conducct VA	2004	$75,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	11649	1	City of Fortuna	1210006	002	500,000 gal in-ground concrete tank (constructed in 1904) is leaking and cannot be repaired. (See Steward Reservoir Evaluation)	Reconstruct tank in existing location-demolish old tank in build new 500,000 gal concrete tank.	2005	$590,000
0	C	12427	10	CITY OF LATHROP	3910015	002	Aged distribution system and one well out of service due to contamination.	Replace distribution lines as required and drill new well.	2002	$3,000,000
0	C	12481	13	SBDNO COUNTY SERVICE AREA 64	3610121	003	Unreliable telemetry systen	Enhance ability to operate and monitor unattended sites throughout water distribution system	2000	$100,000
0	C	12481	13	SBDNO COUNTY SERVICE AREA 64	3610121	001	Inadequate storage capacity	Construct 1 MG reservoir	1998	$400,000
0	C	12481	13	SBDNO COUNTY SERVICE AREA 64	3610121	002	Power outages resulting in unreliable system	Provide a standby power generator to operate production well #6	2000	$50,000
0	C	12543	15	Newhall CWD-Newhall	1910096	001	San Fernando Road Pipeline. Existing diameter is too small to convey the existing well production, thereby causing high discharge pressure in the well field which in turn reduces well productions.	The proposed 30-inch diameter San Fernando Road pipeline 11,000' will reduce friction loss between the well field and Tank 9 and thereby increase well production. This line will also be dedicated pipeline to Tank 9 and thereby provide blending capac	1998	$2,000,000
0	C	12626	6	NIPOMO COMM SERVICES DIST	4010026	005	The community of Nipomo is located on a coastal mesa averaging an elevation of 380 feet above sea level in the southern end of San Luis Obispo County. Approximately 12,000 customers within seven square miles receive water and wastewater services from the	Nipomo Community Services District is leading a project focused on the construction of treatment facilities as well as a pipeline to import between 3,000 to 6,200 acre feet of supplemental water per year from the Santa Maria Basin to resolve overdraft of	2009	$26,000,000
0	C	12626	6	NIPOMO COMM SERVICES DIST	4010026	004	Existing gorundwater supply sources threatned by se water intrusion, declining water table	Develop supplemental sources, construct cross connections with neighboring systems	2006	$8,000,000
0	C	13248	6	GROVER BEACH WATER DEPARTMENT	4010004	001	Needs to improve Storage Reservoir No. 1	Repair and replace corroded members including floor, sandblast and recoat, new cathodic protection	1998	$350,000
0	C	13500	6	MONTECITO WATER DIST	4210007	007	Montecito Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The Monte	Montecito Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The Monte	2007	$200,000
0	C	13500	6	MONTECITO WATER DIST	4210007	005	Needs to improve Doulton Tunnel.	Rehab tunnel.	1999	$725,000
0	C	13500	6	MONTECITO WATER DIST	4210007	003	Needs to upgrade distribution system for State Project water use.	Construct pump station and additional piping.	1998	$770,000
0	C	13500	6	MONTECITO WATER DIST	4210007	001	Needs to upgrade distributions system	Replace pipelines and install pump station.	1998	$5,100,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	14575	10	RIPON, CITY OF	3910007	002	Rising concentrations of nitrate in the City of Ripon's groundwater supply have forced the City to take critical wells out of its drinking water supply. Nitrate contamination is attributed to crop over-fertilization and industrial contamination. One of	This project is being submitted for Proposition 84 funding under Section 75025 (Groundwater Contamination Grants). The City is proposing a feasibility study to evaluate the viability of an Aquifer Storage and Recovery (ASR) facility to store SSJID surfa	2008	$125,000
0	C	15300	3	American Canyon, City of	2810005	003	Projected deficiency in water treatment capacity.	Construction of minimum two MGPD treatment plant.	2001	$3,500,000
0	C	15600	5	Ord Community Water System - Inactive	2710701	001	TCE groundwater plume from military operations has affected Well 29. Well also has persistent coliform problem.	Develop well(s) located in-land away from the TCE plume and away from other sources of colifiorm.	2005	$1,100,000
0	C	15600	5	Ord Community Water System - Inactive	2710701	003	Master plan for future development shows existing system unable to adequately distribute water to meet demand due to inadequate pipe size	Install apx 7,500 lf of new pipeline and a new booster station.	2005	$7,000,000
0	C	15959	3	Ukiah, City of	2310003	002	System has three wells that may be under the direct influence of surface water. In depth monitoring will be done in the winter of 2001/2002.	Expand existing surface water treatment plant to be able to treat water produced by three wells that may be under the direct influence of surface water	2003	$3,000,000
0	C	15959	3	Ukiah, City of	2310003	003	0.66 MG deficieny of source capacity to meet maximum day demand	Design and construction of new Ranney collector	2003	$3,000,000
0	C	16180	7	WALNUT PARK MUTUAL WATER CO.	1910169	002	Company in existence since 1914. Nine of 11 wells since company was formed are now unusable or abandoned. Two working wells were drilled in 1967 and 1977. Need to ensure water source for community customers.	Drill and construct new well.	2005	$875,000
0	C	16682	6	ARROYO GRANDE, WATER DEPARTMENT	4010001	001	Needs to improve Reservoir No. 1.	Analysis, design and construction of a mew water storage reservoir no.1	1998	$2,095,300
0	C	16765	6	CALIFORNIA WATER SERVICE CO - WESTLAKE	5610016	001	Needs to upgrade the distribution system facilities.	Design and construct a booster station on the outlet of this reservoir	1999	$235,000
0	C	16900	17	Coastside County Water District	4110011	001	Distribution pipelines requires upgrades to maintain water supply and pressure during high demand periods.	This project will replace 3,300 lineal feet of 12" transmission pipeline with 24" ductile iron pipeline.	1998	$800,000
0	C	16900	17	Coastside County Water District	4110011	003	Distribution pipeline is aged and has reached its maximum transmission capacity.	Replace existing 10 inch diameter pipeline with a 16 inch pipeline.	1999	$2,500,000
0	C	16900	17	Coastside County Water District	4110011	002	Distribution pipelines requires upgrades to maintain water supply and pressure during high demand periods.	Replace 2,300 lineal feet of existing 12" welded steek transmission pipeline with12" ductile iron pipeline.	1998	$500,000
0	C	17500	9	Orange Vale Water Company	3410016	001	Water demand problems. Also federally mandated to install water meters on all service connections.	Build an above ground storage facility and install water meters.	2000	$0

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	18250	14	Rainbow Municipal WD	3710016	005		Rainbow Municipal Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. T	2008	$100,000
0	C	19272	9	CalAm - Rosemont	3410034	001	General system improvement. Groundwater contamination threatens source of supply.	Keifer Blvd/City of Sacramento interconnection. Involves design and construction.	1998	$1,050,000
0	C	19272	9	CalAm - Rosemont	3410034	003	General system improvement. Nitrate contamination exceeding MCL forced well closure.	Replace Montezuma well. Involves design and construction.	1998	$600,000
0	C	20047	20	Hemet, City of	3310016	007		Installation of two water system interties to the City of Hemet water distribution system: One intertie with Lake Hemet Municipal Water District and an additional intertie with Eastern Municipal Water District. These two interties would expand the city's	2008	$1,000,000
0	C	20047	20	Hemet, City of	3310016	005	The City of Hemet water distribution system, comprised of 12 wells, four above ground reservoirs, and 130 miles of main lines is manually operated and monitored. As a result, the system is vulnerable to a variety of adverse conditions including undetecte	Purchase and install radio-based Supervisory Control and Data Acquisition (SCADA) telemetry water infrastructure control system to allow water distribution system to be operated and monitored remotely. Benefits include increased system reliability and op	2008	$350,000
0	C	20181	7	LOMITA-CITY, WATER DEPT.	1910073	001	The City of Lomita has one water well that is not being operated because of water quality problems and customer complaints when the well water is introduced into the System.	A water treatment plant to enable the city to use the well water is needed. (additional supporting detail will follow) Project involves: Design, and Construction	1999	$1,000,000
0	C	20681	13	Phelan Pinon Hills CSD	3610120	007	Overdrafted basin with no natural recharge capabilities.	Construct treatment plant to treat water from the aqueduct	2002	$10,500,000
0	C	20681	13	Phelan Pinon Hills CSD	3610120	001	Inadequate source and storage capacity	Construct 6 new reservoirs and 4 new wells	1998	$4,400,000
0	C	20875	10	PATTERSON, CITY OF	5010017	004		A Surveillance System would alert operators to unathorized entries to the water facilities. This would also provide video images of intruders and other problems.The City wants to install a Surveillance System compatible with our current SCADA system soft	2008	$110,000
0	C	20875	10	PATTERSON, CITY OF	5010017	002		The proposed Gateway Water Distribution Facility project has dimensions of 20 X 29 square feet and is located in an isolated area on the Citys limits. The facility is adjacent to interstate five and a commercial area frequented by travelers from the inte	2008	$90,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	21053	14	Santa Fe I.D.	3710023	003		Santa Fe Irrigation District, CA, requests consideration for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The Santa Fe Irrigation Distri	2008	$179,810
0	C	21500	17	City of Millbrae	4110018	004	Approximately 40% of our customers do not have water storage reservoirs for emergency water supplies if SFPUC system fails.	Design and construct 2 MG water storage reservoir for low elevation service area.	2002	$2,500,000
0	C	22000	6	PORT HUENEME WATER DEPT	5610009	007	No meters installed on residential connections	Install meters	2003	$3,800,000
0	C	22000	15	NORWALK - CITY, WATER DEPT.	1910191	003	Well 8 has shown concentrations of 1,2-dichloroethane above the state standard. The well was taken out of service on 10/15/99. On 10/18/99, DHS requested the well be removed from service. The actual source of the contamination is unknown; a former fuel	Treatment of the well would be done on the well site. Because 1,2-dichloroethane can be difficult to remove, treatment methods need to be evaluated in order to select the most appropriate treatment method. The Water Replenishment District of Southern Ca	2001	$250,000
0	C	24700	14	Rincon Del Diablo MWD (ID-1)	3710018	001		Rincon del Diablo Municipal Water District, CA, solicits approval for the submission of a grant application under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water S	2008	$340,000
0	C	25000	22	CALIF STATE POLYTECHNICAL UNIV - POMONA	1910022	002	The underground water that serves a population of 20,000 on Cal Poly Pomona University is high in nitrate. University has to purchase surface water from MWD (approximately 30% to 40%) to dilute the groundwater in order to produce safe drinking water for	The propose project will install a Nitrate removal system to remove Nitrate from groundwater and rebuild a 1 million gallon Lower Reservoir to store more groundwater to meet growing campus consumption. Work will entail installation of an effective Nitrat	2008	$7,000,000
0	C	25000	13	BIG BEAR CITY CSD	3610008	006	Fluoride level of new well exceeds MCL	Construct fluoride removal system	2004	$100,000
0	C	25620	14	Valley Center MWD	3710026	003		Valley Center Municipal Water District requests an invitation to apply under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. Valley Center MWD provides w	2007	$1,600,000
0	C	25620	14	Valley Center MWD	3710026	002	Surface water reservoir which is not in service at this time does not meet drinking water standards.	Construct pressure filtration plant.	2000	$6,000,000
0	C	25824	16	City of South Pasadena	1910154	004	Finished water stored in Grand Reservoir is not rechlorinated when it is pumped into the distribution system	Install chlorination equipment, safety systems and chlorination buildings at Grand Reservoir. Project involves: Design, and Construction	1998	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	021	11 tank sites have been determine to be a safety threat due to lack of proper drainaga courses and storm drains to convey the water flow in the event of a tank rupture	Modification with water diverting systemssuch as retaining walls, flood gates, drainage courses, weep holes etc.	2006	$750,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	006	SERRA BOOSTER STATION. THE EXISTING BOOSTER STATION IS AGED AND OF INSUFFICIENT CAPACITY TO PROMPTLY FILL THE SWEETWATER MESA TANK.	UPGRADE EXISTING BOOSTER STATION TO ELIMINATE FREQUENT MAINTENANCE.	2000	$200,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	009	MALIBU KNOLLS PIPELINE. THE EXISTING WATER SYSTEM IN THIS COMMUNITY IS AGED, UNDERSIZED, AND IN NEED OF REPLACEMENT. THE DETERIORATING SYSTEM CAUSES MAINTENANCE PROBLEMS.	REPLACEMENT OF WATER MAIN AND CONSTRUCTION OF A BOOSTER PUMP STATION TO REDUCE MAINTENANCE.	1999	$1,250,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	022	Deterioration and damage of old appurtenances	Rehabilitation, replacementor removal air and vaccum release valves, posts, cross connections, fire hydrants, underground vaults, vault ventilation covers and water valves.	2006	$476,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	012	ENCINAL CANYON ROAD PIPELINE. THE EXISTING WATER SYSTEM IS AGED AND UNDERSIZED.	INSTALL WATER MAINS TO IMPROVE FIRE PROTECTION AND IMPROVE OUR ABILITY TO FILL THE EXISTING WATER TANK.	1999	$350,000
0	C	27807	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204	019	PHASE 2 OF 2: 3.6 MG WATER STORAGE DEFICIENCY	CONSTRUCT A 1.6 MG RESERVOIR AT THE EXISTING SUNSET MESA TANK FARM SITE	2002	$1,680,000
0	C	28000	4	City of Benicia	4810001	013	Poor turnover in sections of distribution system.	Design and construction of 800 feet of 24 inch pipeline to replace the existing 14 inch pipeline.	2001	$204,000
0	C	28000	4	City of Benicia	4810001	016	High industrial use of domestic water supply needs to be augmented.	Perform a feasibility study to determine feasibility of project.	1998	$150,000
0	C	28000	4	City of Benicia	4810001	014	Inadequately treated water cannot be properly disposed.	Design and install a second pipeline to connect the WTP to the Lake Herman inlet pipeline, which allow operators to waste recycled plant flow to lake Herman while in use.	2002	$1,310,000
0	C	28000	4	City of Benicia	4810001	018	Miscellaneous improvements to water system identified in Master Plan.	Miscellaneous projects to address the concerns listed in Attachment 1.	1998	$59,000
0	C	28000	19	INDIAN WELLS VALLEY W.D.	1510017	001	DOCUMENTED THREAT OF HIGH TDS WATER (91,200 PPM) MAY CONTAMINATE THE GROUNDWATER	SPREAD WELLFIELD OUT. OTHER - DESIGN AND CONSTRUCTION	1998	$3,925,000
0	C	28600	4	City of Livermore	0110011	001	Unable to provide service to specific areas at acceptable pressures for both domestic and fire purposes.	Add two elevated storage reservoirs, associated piping and pump station to system.	1998	$10,000
0	C	28796	6	ATASCADERO MUTUAL WATER CO	4010002	003	Needs to improve source capacity and upgrade distribution system.	Water well recovery system, distribution, and blending facility.	2001	$775,000
0	C	28796	6	ATASCADERO MUTUAL WATER CO	4010002	002	Needs to improve source capacity.	Develop additional wells for new and replacement water supply.	1999	$1,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	31000	15	CRESCENTA VALLEY CWD	1910028	003	Aging distribution system pipelines with significant leak/rupture history; resulting potential for contamination and pressure losses within distribution system and inability to meet required fire protection flows.	Funding requested for a water distribution system pipeline replacement program that has been in place since 1994/95 for a portion from 1997/98 beyond. Project involves: Design, and Construction	1998	$8,173,060
0	C	32584	9	CalAm - Suburban	3410010	002	General system improvement. Lack of system pressure due to loss of source of supply.	US 50 overcrossing. Involves design and construction.	1998	$250,000
0	C	32584	9	CalAm - Suburban	3410010	004	General system improvement. Loss of source production due to VOC ground water contamination.	Drill and equip well. Involves design and construction.	1998	$530,000
0	C	32584	9	CalAm - Suburban	3410010	003	General system improvement. Inadequate source of supply due to ground water contamination from Mather.	Booster station, tank and connecting mains. Involves design and construction.	1998	$2,500,000
0	C	33792	9	San Juan Water District	3410021	006	General system improvement. Scada system has unacceptable transmission capacity, with up to 15 minute data update time intervals, which is well below the expected response.	Determine improvements/replacements to existing SCADA system and implement.	1998	$900,000
0	C	33792	9	San Juan Water District	3410021	001	General system improvement. Existing pumps will not provide the water needed by the six agencies in case of floods or drought. Possible water outage.	Improve suction sides and replace pumps.	1998	$2,800,000
0	C	33792	9	San Juan Water District	3410021	005	General system improvement. The water main pipeline has failed many times and is vulnerable to collapse by being suspended over a canyon by dilapidated wooden trestle.	Reconstruction to replace or renovate the pipeline.	1998	$940,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	009	Distribution system needs upgrades for maintain adequate pressure.	Automate the Evergreen Zone.	1998	$30,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	008	Upgrade reservoirs to prevent corrosion.	Install cathodic protection at two reservoirs, Orcutt Hill and Orcutt plant Reservoir	1998	$25,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	004	Needs to improve the reliability of system operation.	Automate the system with auto dailer.	1998	$50,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	003	Needs to improve sources.	Implement a groundwater management plan.	1998	$5,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	005	Upgrade the distribution system for adequate pressure.	Automate the Foxenwood zone system.	1998	$30,000
0	C	35212	6	Golden State Water Company - Orcutt	4210016	007	Upgrade distribution system for bacteriological monitoring.	Install two industrial approved sample stations for TCR sampling.	1998	$5,000
0	C	38295	14	San Dieguito WD	3710021	001	Possible contamination of San Dieguito Reservoir with collection of sludge solids and filter backwash water.	Back wash water secondary treatment (reclamation) and removal of accumulated solids in lake for taste and odor imrovements.	1998	$5,900,000
0	C	38390	17	North Coast County Water Dist	4110025	006	Corroding and leaking transmission mains.	Phase 1 system modifications will allow leaking main to be taken out of service	1998	$75,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	38390	17	North Coast County Water Dist	4110025	007	Corroding and leaking transmission mains.	Phase 2 of project will place a liner inside main after phase 1 work is completed.	1999	$350,000
0	C	38406	20	Coachella, City of	3310007	001		Security for the municipal water wells, reservoirs, and booster stations in the city of Coachella.	2007	$175,000
0	C	40000	9	Carmichael Water District	3410004	007	Ground Water Contamination - NDMA and perchlorate from Aerojet. Currently 3 wells with 5MGD capacity are affected (but below the perchlorate action level of 6ppb- per Steve Nugent 11/15/05). NDMA plume is 4000 feet away and moving 800 feet per year.	Expansion of Bajamont Water Treatment Plant from 17 mgd to 22 mgd.	2006	$1,875,000
0	C	40165	17	City of San Bruno	4110023	001	Need to replace water meters. (combined with project # 04-41-133)	Supply and installation of water meters and electronic "touch read" devices.	1998	$830,300
0	C	40165	17	City of San Bruno	4110023	005	Storage tank has interior corrosion problem.	Detailed field inspection/survey to determine the magnitude of the problem. Sand blasting and recoating of the interior.	1998	$120,000
0	C	40165	17	City of San Bruno	4110023	008	Need to increase emergency water supply. (combined with another project)	Construct storage facilities to expand storage capacity.	1998	$10,200,000
0	C	42717	6	Golden State Water Company - Simi	5610059	002	Needs to improve storage capacity for meeting peak water demand.	Provide an additional 2 MG of storage steel tank for emergency and peak supply.	1998	$1,000,000
0	C	42717	6	Golden State Water Company - Simi	5610059	003	Needs to improve sources for reliability.	Acquisition of property for the drilling of a well near Fitsgerald interconnection with Callegaus MWD will provide for the additioon of future emergency and alternative water supply to the system. Overall water qualityimprovement by blending.	1998	$150,000
0	C	42717	6	Golden State Water Company - Simi	5610059	001		Drill and equip a well at the Rebecca Plant to provide for future emergency and laternative water supply.	1998	$450,000
0	C	42717	6	Golden State Water Company - Simi	5610059	004		Study groundwater quality and quantity available in the area of the highest elevation. Results will be used to select a well site to provide emergency and alternative water supply of good water quality to this area.	1998	$30,000
0	C	44174	6	San Luis Obispo Water Department	4010009	004	In event of extraordinary water use water pressure may fall below standards	Create a new pressure zone and install a water tank	2003	$1,657,250
0	C	44708	9	CalAm - Lincoln Oaks	3410013	004	General system improvement. VOC contamination in well.	Sandlewood wellhead treatment. Involves design and construction.	1998	$450,000
0	C	44708	9	CalAm - Lincoln Oaks	3410013	005		Glass Slipper wellhead treatment. Involves design and construction.	1998	$450,000
0	C	44708	9	CalAm - Lincoln Oaks	3410013	007	General system improvement. Inadequate soruce of supply due to attrition if well sources and VOC groundwater contamination.	Lincoln Oaks tank and booster station. Involves design and construction.	1998	$1,800,000
0	C	44708	9	CalAm - Lincoln Oaks	3410013	006	General system improvement. Diesel contamination in well.	Villaview wellhead treatment. Involves design and construction.	1998	$450,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	44708	9	CalAm - Lincoln Oaks	3410013	003	General system improvement. VOC contamination in well.	Treelark wellhead treatment. Involves design and construction.	1998	$450,000
0	C	44708	9	CalAm - Lincoln Oaks	3410013	002	General system improvement. Inadequate distribution main for new well location.	Connect to Daly Ave main. Involves design and construction.	1998	$160,000
0	C	44831	6	CAMARILLO WATER DEPT	5610019	001	Needs to improve the reliability of sources.	Construct additional wells to provide provide redundancy and insuring system reliability.	1998	$740,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	012	Hypochlorination facilities unable to maintain consistent residual	Replace hypo units with chlorine generators	2001	$200,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	007	Inadequate source capacity (single source of supply)	Construct reservoir and booster system adjacent to well	1998	$300,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	009	Hypochlorination facilities unable to maintain consistent residual	Replace hypo units with chlorine generators	1998	$200,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	010		Replace hypo units with chlorine generators	1999	$200,000
0	C	47730	13	APPLE VALLEY RANCHOS WC	3610003	011		Replace hypo units with chlorine generators	2000	$200,000
0	C	48418	13	RIALTO-CITY	3610038	003	Aging meters in distribution system	Water meter replacement to promote water conservation	2003	$1,000,000
0	C	49000	5	Soquel Creek Water District	4410017	005	Need to develop surface water source due to seawater intrusion.	Purchase 40 acres and build a surface water treatment plant, reservoir, pipeline, and surface water intake/pump station off Soquel Creek.	2001	$40,000,000
0	C	49000	5	Soquel Creek Water District	4410017	004	System needs computer ground water modeling to help with seawater intrusion.	System needs a computer groundwater model to simulate groundwater basin yield.	1998	$300,000
0	C	49000	5	Soquel Creek Water District	4410017	009	System needs new well at Top Sail Court due to seawater intrusion.	Construct new production well at Top Sail Court.	1999	$1,900,000
0	C	49000	5	Soquel Creek Water District	4410017	008	Need La Selva Beach well due to high TDS and chlorides.	Install La Selva Beach production well will provide additional water in sub-area IV.	2000	$758,900
0	C	49000	5	Soquel Creek Water District	4410017	002	Purissima aquifer needs treatment for taste, odor, and hardness of water.	Install treatment and water softening equipment.	1998	$1,100,000
0	C	49000	5	Soquel Creek Water District	4410017	007	Need new well in sub-area III due to high TDS and chlorides.	Installation of a production well in sub-area III.	2002	$1,000,000
0	C	49000	5	Soquel Creek Water District	4410017	003	GAC and water softening is needed for Garnet Well for taste and odor problems.	Upgrades to treatment plant--granular activated carbon filters, and water softening equipment.	1998	$500,000
0	C	49000	5	Soquel Creek Water District	4410017	006	Need shallow well system in La Selva Beach due to seawater intrusion.	Install a multipe shallow well system to reduce localized groundwater demand and avoid using deeper waters.	2000	$3,000,000
0	C	50000	6	THOUSAND OAKS WATER DEPT	5610020	001	Rolling Oaks tank needs to be adequately sized and seismically safe.	Construct a new larger reservoir to meet the current seismic codes and the standard for fire flow storage.	1998	$1,000,000
0	C	50800	8	El Toro Water District	3010079	003	Aged & worn water wransmission pipe	Pipeline replacement	2001	$203,000
0	C	50800	8	El Toro Water District	3010079	002	Deteriorating reservoir coating	Re-coating of reservoir	2002	$400,000

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0	C	50800	8	El Toro Water District	3010079	001	Deteriorating reservoirs coating	Re-coating of reservoirs	2001	$1,000,000
0	C	55000	13	City of Chino Hills	3610036	007	Inadequate source capacity resulting in service connection limitation	Construct reclaimed water reservoir R24	1998	$1,125,000
0	C	55000	13	City of Chino Hills	3610036	002		Extend reclaimed line to mitigate demand for potable water	1998	$500,000
0	C	55000	13	City of Chino Hills	3610036	004		Extend reclaimed line to mitigate demand for potable water	1998	$850,000
0	C	56000	18	North Marin Water District	2110003	017	Pump stations controls outdated.	Modify pump stations per OSHA requirements.	1998	$30,000
0	C	56000	18	North Marin Water District	2110003	030	High levels of turbidity due to broken/failed scour gate on intake tower that cannot be dosed. (treatment impairment).	Repair intake tower gate(s).	2001	$200,000
0	C	56000	18	North Marin Water District	2110003	029	Lack of chlorine residuals in several zones of the Novato distribution system.	Storage tank modifications to provide mixing and turnover of water.	2002	$250,000
0	C	56000	18	North Marin Water District	2110003	028	Inability to maintain chlorine residuals in several zones of the Novato distribution system.	Chlorine booster stations.	2002	$120,000
0	C	56000	18	North Marin Water District	2110003	027	Algae growth in source water (Stafford Lake) causes problems in good coagulation & filtration. Evidence of algae breakthrough.	Algae control by installation of an engineered lake aeration system to replace existing.	2002	$120,000
0	C	56000	18	North Marin Water District	2110003	026	Microbial contamination of source water due to inflow of animal wastes originating on watershed.	Participate in the purchase of water quality protection easements on ranch property.	2002	$500,000
0	C	56000	18	North Marin Water District	2110003	018	Isolated zone high AOC from source, regrowth problems.	Isolate Cherry Hill from plant water.	1999	$50,000
0	C	56000	18	North Marin Water District	2110003	031	Stafford Lake intake tower gates have recent history of failure which caused inablility to optimize raw water quality thereby impacting plant performance and requiring additional oxidation leading to increases in DBPs.	Rennovate Stafford Lake intake structure and raw water transmission line.	2003	$100,000
0	C	56000	18	North Marin Water District	2110003	016	Regulators malfunctioning.	CALLE DE LA MESA PRESSURE RELIEF AND SUNSET REGULATOR UPGRADES.	1998	$22,000
0	C	56000	18	North Marin Water District	2110003	014	SC purchased water not monitored at POE.	INSTALL ON LINE MONITORS FOR TURBIDITY, CHLORINE AND PH.	1999	$25,000
0	C	56000	18	North Marin Water District	2110003	006	Pressure systems/inadequate control and monitoring.	Install control system improvements to provide early warning of power problems: Upper Wild Horse, Old Ranch Road, Eagle Drive, Bahia, and Garner.	1998	$50,000
0	C	56000	18	North Marin Water District	2110003	003	Insufficient storage in Zone 1	Design and construction of two (2) tanks for Zone 1.	1998	$1,590,000
0	C	56000	18	North Marin Water District	2110003	004	Insufficient storage in Zones 2 and 3	Study and implement appropriate stategies.	1998	$10,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	56000	18	North Marin Water District	2110003	019	System OP center isolated from city EOC.	Construct a communication link between District offices and Novato emergency operations center.	2000	$20,000
0	C	56000	18	North Marin Water District	2110003	013	Water quality degradation due to fire services.	UPGRADE TO DOUBLE CHECKS AS APPROPRIATE.	1999	$100,000
0	C	56000	18	North Marin Water District	2110003	007	Insuffucient storage in Crest zone,	Study leak/capacity, (98/99), construct new 1MG storage tank and new pump station.	1998	$7,275,000
0	C	56000	18	North Marin Water District	2110003	008	Pressure reducing station/replace with individual PRVs.	Eliminate reducing station and install individual PRVs.	1998	$90,000
0	C	56000	18	North Marin Water District	2110003	010	Mains lack cathodic protection.	Anodes, insulators, system modifications. Aqueduct, Atherton to Bahia, Bel Marin Keys.	1998	$70,000
0	C	56000	18	North Marin Water District	2110003	011	Low chlorine in remote zones.	Chlorine booster stations. Stafforf TP rehabilitation may impact need.	2000	$35,000
0	C	56000	18	North Marin Water District	2110003	012	Deadends lack blowoffs for flushing.	Install blowoffs at all zone valves to facilitate flushing.	1999	$120,000
0	C	56980	9	Folsom, City of - Main	3410014	001	lack of intrusion monitoring, alert system at water treatment plant, pump stations, and reservoirs	install passive monitoring systems at 15 sites at water treatment plant and distribution system; possible central monitoring	2004	$300,000
0	C	58000	22	ROWLAND WATER DISTRICT	1910194	001	The system experiences continuing difficulty in controlling nitrification and maintaining an adequate chloramine residual throughout the distribution system and reservoirs.	Install Chloramine injection facilities and revamp common inlet-outlet reservoir piping. Project involves: Design to solve problem, and Construction	1998	$3,250,000
0	C	61454	8	City of La Habra	3010018	001	La Habra produces 10 percent of its water from the local ground water basin. Currently there are three water quality issues associated with the local ground water basin which are all secondary standards. The first problem is Total Dissolved Solids that	Drill a 1400 feet deep 2500 GPM ground water well. Install sodium hexametaphoshate iron/manganese sequestering or a filter removal system. Install an air stripper for ammonia and hydrogen sulfide removal. Install 5000 feet of 24 diameter supply pipeline	2008	$4,500,000
0	C	62100	8	City of Tustin	3010046	005	The City of Tustin is located in central Orange County. Tustin is bordered by the City of Santa Ana to the west, Irvine to the east and south, and an unincorporated area of Orange County to the north. In the early 1980's, the City of Tustin acquired the	The well site will be located on a property between Old Tustin Avenue on the west, and Tustin Avenue on the east in the City of Santa Ana. The well facility will have accessibility from both Old Tustin Avenue and Tustin Avenue. The site will be located	2008	$3,025,000
0	C	64000	7	MONTEREY PARK-CITY, WATER DEPT.	1910092	007		This project will improve fencing and install entry alarms at all 7 reservoir sites and improve perimeter security at the Delta Treatment Plant. Currently, the citys reservoirs are only pretected by chain link fencing that has begun to fall into disr	2007	$188,000
0	C	66470	17	California Water Service - Bear Gulch	4110006	001	Treatment plant needs to be upgraded to assure maintenance of water quality standards.	treatment plant upgrades-Particle Counter SCADA system connection, and Precursor removal for Total Trihalomethane (THM) control.	1998	$120,000
0	C	67876	4	City of Pleasanton	0110008	006	Low pressure and limited fire flow in various sections of the distribution system.	Construct various system interties and install valves to improve distribution.	1998	$2,100,000

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0	C	67876	4	City of Pleasanton	0110008	003	Groundwater during the summer; customer complaints increased regarding hardness as well as complaints during other times of the year from dissoultion of CaC03 and colored water from corrosion.	Evaluate design and construct well head water softening facilities.	1998	$15,000,000
0	C	67876	4	City of Pleasanton	0110008	005	Premature failure of polybutylene services represent a service reliability problem to customers.	Replace polybutylene water services with polybutylene service pipe.	1998	$24,000,000
0	C	67876	4	City of Pleasanton	0110008	004	Well no.7 is out of service due to groundwater contamination from a nearby gasoline station.	Drill new well and construct all ancillary facilities to replace lost production.	1998	$1,200,000
0	C	67876	4	City of Pleasanton	0110008	002	Surface water (treated) has higher quality , but due to the locations of turnouts do not allow for distribution of the higher quality water equally throughout the city.	Creat a looped water main system between turnout 5 and the City's existing 16" water main .	1998	$700,000
0	C	68000	13	EAST VALLEY WD	3610064	004	East Valley Water District (EVWD) currently has nine wells out of eleven in service that will exceed the future regulation of 6 ppb MCL for Perchlorate, and the detection level of 4 ppb. Three of the wells are plant 24B, 25 and 107. Well 24A which has a n	In order to meet current and future drinking water regulations East Valley Water District (EVWD) intends to construct Plant 152. Plant 152 would be disigned as a centralized groundwater treatment, blending and distribution facility. Groundwater from nearb	2008	$24,772,000
0	C	76000	17	City of Mountain View	4310007	010	Certain smaller system components in the City's water system need to be replaced.	Replace these smaller water system components and make minor unscheduled improvements.	1998	$458,000
0	C	76000	17	City of Mountain View	4310007	009	The City's telemetry system is obsolete and inaccurate.	Design and construct a replacement telemetry system.	1998	$1,200,000
0	C	76000	17	City of Mountain View	4310007	012	The City's urban water plan needs to be updated.	Update urban water plan.	1998	$45,070
0	C	76000	17	City of Mountain View	4310007	004	Demolition of storage reservoir.	Demolition and removal of pump station and reservoir.	1998	$60,000
0	C	76000	17	City of Mountain View	4310007	005	Demolition of Bryant Elevated water tank.	Removal of Bryant tank with system modifications.	1999	$150,000
0	C	76000	17	City of Mountain View	4310007	016	The City's existing control systems at the SFWD turnouts need to be replaced.	Design and construct upgraded system controls at three turnouts.	1998	$130,000
0	C	77513	8	Yorba Linda Water District	3010037	003	The local water contains TDS and Manganese.	The purpose of this project is to design and construct a non-potable groundwater well near the Santa Ana Riverbed in the eastern service area of Yorba Linda Water District, YLWD. The water from this local resource would be used for irrigating landscaped s	2009	$1,000,000
0	C	77513	8	Yorba Linda Water District	3010037	002	Presently the Well No. 15 water source exceeds the 10 parts per billion (ppb) arsenic primary drinking water standards. Currently, the 2-year average arsenic level of Well No. 15 is at approximately 16.42 ppb and marginally exceeds the 50 ppb secondary (a	The least expensive method of correction for these chemical contaminants is adsorption by Iron-based adsoption media contactors-granular Ferric Hydroxide (GFH). This project would require piping modification, building enclosure, monitoring equipment, elec	2008	$760,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	79959	3	Napa, City of	2810003	001	Lake Hennessey intake tower valves are old and in poor condition. One valve is broken open.	Rehabilitate or replace intake tower.	1998	$700,000
0	C	79959	3	Napa, City of	2810003	005		Since completing the Vulnerability Assessment in 2003, the City of Napa has implemented a number of security improvements within the water distribution system and at the treatment plants including security cameras, fencing, lighting improvements, and acce	2008	$900,000
0	C	79959	3	Napa, City of	2810003	006	BackgroundThe Jamieson Canyon Water Treatment Plant (JCWTP) has been unable to meet the Stage 1 Disinfectants/Disinfection Byproduct Rule (D/DBPR.) The source water for the JCWTP is North Bay Aqueduct water that is subject to episodes of high concentrat	The Jamieson Canyon Water Treatment Plant (JCWTP) serves 6 water systems in Napa County including the City of Napa, American Canyon, Yountville, St Helena, Calistoga and the Congress Valley Water District. The JCWTP is a critical facility to supply water	2008	$7,400,000
0	C	80000	1	Humboldt Bay MWD	1210013	003	Rehabilitate Ranney Collectors	The Ranney wells are over 40 years old and significant degradation and deterioration has occurred. Rehab work and installation of new laterals is required to maintain existing supply source to the regional drinking water system.	2005	$2,500,000
0	C	80000	13	REDLANDS CITY MUD-WATER DIV	3610037	006	Source capacity is diminished by groundwater contamination	Design and construct new wells to replace source capacity	2005	$5,000,000
0	C	80000	13	REDLANDS CITY MUD-WATER DIV	3610037	005	Expand pipeline to use existing capacity of WTP	Replace transmission line	2005	$5,000,000
0	C	84000	6	GOLETA WATER DISRICT	4210004	010	Improve the storage facilities	Recoat steel reservoir and reseal joints of concrete reservoirs.	1998	$200,000
0	C	84000	6	GOLETA WATER DISRICT	4210004	006	Needs to improve storage capacity.	Construct a new reservoir in 230 Zone	1998	$5,000,000
0	C	84000	6	GOLETA WATER DISRICT	4210004	008	Upgrade treatment plant facilities for non hazardous operation.	Design and construct an alternative treatment method.	1998	$150,000
0	C	84000	6	GOLETA WATER DISRICT	4210004	009	Improve Goleta West Conduit line.	Repair damaged line and construct rip rap protection near creeks.	1998	$150,000
0	C	85703	2	City of Redding	4510005	010		Obtain a licensed radio frequency and upgrade the existing SCADA system.	2008	$1,200,000
0	C	92870	8	City of Westminster	3010064	008	Other system defects.Aging meters(over 20 years old)	Replace aging water meters with "Touch Read" technology meters to improve accuracy and efficiency.	1998	$2,368,814
0	C	92870	8	City of Westminster	3010064	012	Other system defects. Replace inoperable fire hydrants in the water system to aid in the water quality flushing program.	Purchase 730 fire hydrants over a five year period to replace inoperable fire hydrants in the water system.	1998	$511,000
0	C	92870	8	City of Westminster	3010064	005	Other system defects.Old and out dated electrical panesl continually fail at well sites.	Replace old electrical panels.	1998	$88,000

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0	C	100041	14	Padre Dam MWD	3710037	001	System deficiencies and upgrades of water system including pump stations, reservoirs, distribution and transmission lines, future water sources.	Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	1998	$7,896,800
0	C	100041	14	Padre Dam MWD	3710037	002		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	1999	$12,241,500
0	C	100041	14	Padre Dam MWD	3710037	005		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	2002	$15,971,700
0	C	100041	14	Padre Dam MWD	3710037	004		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	2001	$14,932,700
0	C	100041	14	Padre Dam MWD	3710037	003		Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	2000	$21,777,700
0	C	100041	14	Padre Dam MWD	3710037	007		Padre Dam Municipal Water District of Santee, CA requests consideration for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. Padre Dam MWD i	2008	$750,000
0	C	100041	14	Padre Dam MWD	3710037	006	System deficiencies and upgrades of water system including pump stations, reservoirs, distribution and transmission lines, future water sources.	Miscellaneous projects to remedy deficiencies as listed on the attached CIP plan.	1998	$14,337,940
0	C	103000	17	City of Daly City	4110013	001	Undersized main, inadequate reservoir capacity.	Install new main, pump station and reservoir.	2003	$7,000,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	003	Needs to improve source capacity.	Drill new well in Mound Basin and treat at Bailey Plant.	1998	$1,400,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	008	Needs to improve distribution system.	Construct transmission main from 210 zone to 430 zone.	1999	$3,200,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	007	Needs to improve the distributrion system storage demand.	Build 1600 LF of 14 inch pipeline and a 0.90 MG reservoir.	1999	$1,600,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	006	Needs to improve storage capacity to meet storage deficit.	Design and build 1.0 MG reservoir	1998	$2,000,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	005	Needs to upgrade storage and distribution.	Construct two 2 MG reservoirs and new pipeline.	1998	$6,500,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	004	Needs to improve the distribution system for storage deficit.	Build new 2.1 MG reservoir in 260 Zone	1998	$4,800,000
0	C	107490	6	VENTURA WATER DEPARTMENT	5610017	002	Needs backup source and expand treatment plant capacity to meet water demand reliabily.	Expand existing plant from 4 MGD to 8 MGD and drill/install new well.	1998	$4,000,000
0	C	108724	8	Mesa Consolidated WD	3010004	036	The District currently uses customer hose bibbs for routine bacteriological sampling which increases the likelihood of a false positive.	The District would like to install 50 dedicated water quality sampling stations to have control of the upstream and downstream sample locations.	2003	$30,000

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0	C	108724	8	Mesa Consolidated WD	3010004	037	The District is unable to consistently meet the secondary MCL for color (15 CU) at Wells 7 and 8.	The District is proposing to install wellhead treatment to reduce the level of color in the wells.	2005	$3,200,000
0	C	108724	8	Mesa Consolidated WD	3010004	035	The District is only able to use 60% of their capacity at Reservoir No.1 due to water quality deterioration issues.	The District is proposing to conduct a study in order to determine the best solution for maintaing water quality and maximizing the use of their storage facility; subsequent to a solution being identified, the District would like to implement the solution	2003	$825,000
0	C	111000	22	SANTA CLARITA WATER DIVISION	1910017	001	Nitrate concentrations exceeded MCL at North Oaks to Sierra Well fields (4 Wells).	Install on-line nitrate analyzers at affected wells.	2004	$400,000
0	C	113880	22	TORRANCE-CITY, WATER DEPT.	1910213	005	Color, taste, odor, TDS, and Bromide issues at Wells 7 & 8	Construct a Nano-filtration water treatment facility.	2006	$6,923,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	005	Outdated powder-activated carbon handling system at water treatment plant. (See Parsons Engineering Science, Inc. summary letter dated September 4, 1996, Item No. 8.)	Construct carbon hopper and loading facility. Project involves: Design to solve problem, and Construction	1998	$350,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	010	Area of substandard flows due to not fully being integrated into the District's water distribution system. (see Executive Summary of 1996 Water Master Plan.)	Construct piping and valving necessary to tie area into 3000' water system. Project involves: Design to solve problem and Construction	1998	$100,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	008	Inadequate storage for finished water from water treatment plant. (See Parsons Engineering Science, Inc. summary letter dated Sept. 4, 1996, Items 5 and 6 and Executive Summary of 1996 Water Master Plan).	Construct new 6.0 MG clearwell. Project involves: Design to solve problem, and Construction	1998	$1,800,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	002	Loss of water diverted from Littlerock Reservoir as it passes through the mostly unlined Palmdale Ditch. (See Executive Summary of 1996 Water Master Plan, Items 5 and 6 on page ES-2.)	Line 400,000 sq. ft. of unlined portions of Palmdale Ditch. Project involves: Design to solve problem, and Construction	1999	$2,800,000
0	C	115000	7	PALMDALE WATER DIST.	1910102	009	Lack of capacity to move water from new 6.0MG clearwell into distribution system. (See Parsons Engineering Science, Inc. summary letter dated Sept. 4, 1996, Items 5 and 6 Executive Summary of 1996 Water Master Plan.)	Construct booster station at clearwell site to move water into 2800' and 2950' water systems. Project involves: Design to solve problem, and Construction	1998	$1,500,000
0	C	138514	9	SCWA Laguna/Vineyard	3410029	002	Single water source.	Design and construct 72-inch, 140 million gallon pipeline and 100 mgd surface water treatment plant expansion.	1998	$1,800,000
0	C	138514	9	SCWA Laguna/Vineyard	3410029	001	General system improvement. Single water source.	Construct 72-inch, 140 million gallon pipeline and surface water treatment plant expansion.	1999	$46,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	138640	8	City of Orange	3010027	003	The City of Orange Water System Master Plan, which was completed in 02/2007, indicated the need for a minimum of two new reservoirs by the year of 2030 to meet the future demand and more importantly is to mitigate shortages during emergency. The first re	The new Res 3A is proposed to be constructed next to one of the City of Orange existing reservoir (Res 3) mainly because there is enough room at this particular site. Res 3A, upon completion will help to alleviate the demand shortage during emergency by	2008	$1,350,000
0	C	138640	8	City of Orange	3010027	002	The City of Orange Water System Master Plan, which was completed in 02/2007, indicated the need for a new water well in pressure zone 370 to mitigate the deficient supply in the near future. Besides the addition of a new well will enable the Water Divisi	Tentatively, the new well (Well 27) is proposed in the northwest quadrant of the City (within pressure zone 370. Well 27 will have a minimum capacity of 2,500 gpm and is scheduled to begin construction in spring 2008. According to the City of Orange Wat	2008	$1,700,000
0	C	138640	8	City of Orange	3010027	001	The existing water mains serving this area are undersized and in needed to be replaced with larger diameter mains to enhance the fire flow. Also, all of these pipes have shown signs of deterioration over the last few years because of the age (installed i	This projects primary goal is to replace the existing undersized and increasingly deteriorated water mains in the area. Approximately 5,620 linear feet of existing 4 and 6 cast iron pipes are to be replaced with 8 and 10 ductile iron pipes to meet t	2008	$900,000
0	C	138717	16	ANTELOPE VALLEY-EAST KERN WATER AGENCY	1910045	003	MODIFY CHLORINATION SYSTEMS (3 SYSTEMS) IN ORDER TO COMPLY WITH THE RMP. (CLEAN AIR ACT SECTION 112®)	PROVIDE CHLORINE SCRUBBERS TO 3 LOCATIONS.	1998	$300,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	025	Arsenic is the primary contaminant to be addressed by the project. Arsenic in drinking water has been shown to impact human health and is considered one of the prominent environmental causes of cancer in the world. The Safe Drinking Water Act Amendment	This project is for the removal of arsenic from the groundwater pumped from Well No. 4-44 to ensure compliance with the new arsenic standard. To accomplish this goal, the District proposes using one of the commercially available ion exchange systems for	2008	$1,000,000
0	C	143447	16	LOS ANGELES CO WW DIST & 34-LANCASTER	41910070	028		This project is to construct a new well, Well No. 4-82, to replace Well No. 4-5. The new well will produce approximately 800 GPM and will be properly constructed to avoid penetrating the blue clay zone in the aquifers that contains high arsenic levels.	2007	$1,247,000
0	C	146398	4	CITY OF HAYWARD	0110006	026	Retrofit reservoir against earthquakes	Make various structural and piping modifications to Harden Reservoir.	2002	$1,000,000
0	C	146398	4	CITY OF HAYWARD	0110006	035	65 year old water mains - hydraulic capacity. Inadequate	Replace mains.	2003	$3,000,000
0	C	146398	4	CITY OF HAYWARD	0110006	034	Undersized water main.	Replace with larger main.	2004	$1,600,000
0	C	146398	4	CITY OF HAYWARD	0110006	033	Undersized water mains.	Replace with larger mains.	2002	$795,000
0	C	146398	4	CITY OF HAYWARD	0110006	032	Freshen stored water containing chloramine disinfectant.	Modify piping at four reservoirs, eliminating the single inlet and sewer line arrangement.	2002	$1,300,000
0	C	146398	4	CITY OF HAYWARD	0110006	031	Water reservoir has many paint blisters, exposing the underlying steel to corrosion.	Project to recoat the interior and exterior of the south Walpert tank	2002	$500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	146398	4	CITY OF HAYWARD	0110006	030	Retrofit reservoirr for seismic strengthening	Study and construct needed enhancements.	2002	$300,000
0	C	146398	4	CITY OF HAYWARD	0110006	037	Inadequate hydraulic capacity	Replace 16 inch pipeline with 30 inch pipeline.	2004	$1,181,000
0	C	146398	4	CITY OF HAYWARD	0110006	028	Retrofit reservoir for seismic strengthening	Study and construct needed Enhan Cements	2002	$255,000
0	C	146398	4	CITY OF HAYWARD	0110006	023	Prevent water loss at reservoirs during earthquake.	Install actuators, valve fittings and sentry units at reservoirs.	2002	$320,000
0	C	146398	4	CITY OF HAYWARD	0110006	025	Inadequate water supply.	Construct Booster Station off the 42 inch aqueduct.	2002	$7,550,000
0	C	146398	4	CITY OF HAYWARD	0110006	024	Provide an emergency water supply in case of cut-off from Hetch-Hetchy water system.	Construct emergency water supply groundwater well.	2002	$1,450,000
0	C	146398	4	CITY OF HAYWARD	0110006	012	Insufficient emergency water wells in the event of interruption or reduction of water from SFWD	Install well, rehab well and construction of pump stations for both.	1998	$1,263,000
0	C	146398	4	CITY OF HAYWARD	0110006	040	Insufficient emergency water storage in the 250 elevation zone.	Design and construct a 4.9 million gallon reservoir in the 250 elevation zone.	2005	$7,165,000
0	C	146398	4	CITY OF HAYWARD	0110006	029	Retrofit reservoir for seismic strengthening	Study and construct needed enhancements.	2002	$390,000
0	C	146398	4	CITY OF HAYWARD	0110006	039	Inadequate water supply to meet the needs of a growing population.	Design and construct a new booster pump station off the 42" aqueduct.	2003	$7,550,000
0	C	146398	4	CITY OF HAYWARD	0110006	038	Water system needs retrofitting where water mains cross the Hayward fault line.	Replace water mains and install special fittings.	2003	$1,137,000
0	C	146398	4	CITY OF HAYWARD	0110006	049	Inter agency water availability with adjacent water districts	Make required additions to the planned Hesperian Booster Pump Station	2004	$625,000
0	C	146398	4	CITY OF HAYWARD	0110006	047	existing water line impacted by CalTrans construction	Replace approximately 700 feet of 12-inch water lines at the Calaroga Avenue Overcrossing	2004	$140,000
0	C	146398	4	CITY OF HAYWARD	0110006	048	Inter agency water availability with adjacent water districts	Construct a pump station and approximately 1.5 miles of pipeline that would connect the EBMUD and SFPUC water systems in the event of an emergency	2004	$15,750,000
0	C	150253	20	Corona, City of	3310037	001	High TDS and NO3. High TDS has caused constrained on waste water discharge.	Desalination	1998	$30,000,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	013	With the increasing water demand generated by changes in population, Pomona has had to secure additional water supply sources. To meet this need, the City has determined that additional pumping in the Spadra Basin is feasible. It is expected that this p	The project will have the following components: 1. Engineering and Design 2. Land Aquisition (Possible) 3. Well Drilling 4. Equipping of Electrical, Mechanical, Piping, Etc., 5. Well Head Treatment 6. Construction of Housing for Well Head Treatmen	2010	$6,700,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	010	Currently, the well has suffered from a collapsed shaft rendering the well inoperable. Attempts to salvage the well have been unsuccessful leaving no doubt but to abandon the well. There is land available in the immediate area where another well can b	The project will have the following components: 1. Existing Well Abandonment 2. Engineering & Design 3. Well Drilling 4. Equipping of Electrical, Mechanical, Piping, etc., 5. Housing to contain equipment 6. Montoring & SCADA Installation.	2010	$4,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	011	With the increasing water demand generated by changes in population, Pomona has had to secure additional water supply sources. To meet this need, the City has determined that additional pumping in Six Basins is feasible. It is expected that this project	The project will have the following components: 1. Engineering and Design 2. Land Aquisition (Possible) 3. Well Drilling 4. Equipping of Electrical, Mechanical, Piping, Etc., 5. Well Head Treatment 6. Construction of Housing for Well Head Treatmen	2010	$6,700,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	012	Because of the high nitrate and perchlorate levels from Well 3, Well 7, Well 8 and Well 32, it is necessary to blend MWD water for nitrate and perchlorate treatment. As we move forward with the statewide drought it is expected that MWD supplies will be c	This project will have the following components: 1. Engineering and Design 2. Equipping of Electrical, Mechanical, Piping, Etc., 3. Well Head Treatment 4. Construction of housing for well head treatment and/or equipment 5. Monitoring & SCADA Install	2010	$4,531,375
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	001	OLD STEEL WATER LINES ARE LEAKING AND POSSESS INADEQUATE FLOW	REPLACE PRIORITY "1" AND "2" LINES AS IDENTIFIED FROM THE 1992 WATER MASTERPLAN	1998	$21,750,000
0	C	161257	15	POMONA - CITY, WATER DEPT.	1910126	004	INADEQUATE SYSTEM STORAGE EXISTS FOR PEDLEY WATER FILTRATION PLANT	CONSTRUCT A 3.5 MG CIRCULAR CONCRETE RESERVOIR (RESERVOIR 9C)	1998	$1,980,000
0	C	166661	8	Moulton Niguel Water District	3010073	009	Decreasing chlorine residual in the distribution system reduces the water quality of the delivered drinking water.	Installing chlorination facilities at operational reservoirs which will increase or at least maintain the chlorine residual in the distribution system to improve the water quality.	2002	$1,200,000
0	C	170000	9	Sacramento Suburban Water District	3410001	007	System is not large enough to supply water to additional customers.	Install water mains to serve entire area, replace private wells, and improve (increase capacity) wells. Involves design and construction.	2000	$4,200,000
0	C	170000	9	Sacramento Suburban Water District	3410001	006	Replace well sources affected by chemical pollution.	Install wellhead treatment facilities to remove nitrate. Involves study, design and construction.	1998	$2,250,000
0	C	172701	13	ONTARIO, CITY OF	3610034	001		The current City of Ontario Water System Security Vulnerability Assessment (WSSVA) outlines renovations and upgrades that need to be made to all the City's water facilities to ensure the security of the City's water system. All well sites, reservoirs, pre	2007	$1,200,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	029	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Elevated Pressure Zone (also known as 1383 Zone) of the City of San Bernardino. The project is located in Meridian Avenue between Baseline Street and Etiwanda Avenue for a distance of 2,900 LF. This pipe provides the link	2009	$696,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	023		This project is located in the Lower Pressure Zone of the City of San Bernardino. A 24 pipe is currently located between a 42 pipe and a 36 pipe, which needs to be upsized to 42. The existing 24 pipe, therefore, causes a restriction in the flow of	2009	$1,197,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	173359	13	SAN BERNARDINO CITY	3610039	020	The San Bernardino Municipal Water Department has sixty six (66) water pumping facilities in its service area. These pumping stations pump water from lower pressure zones to higher pressure zones, when water demand in higher zones is more than the source	The Upper to Sycamore Zone Pumping Plant is located on 48th Street in the City of San Bernardino.The combined capacity of this pump station is 6533 gpm. The Master Plan recommends an additional pumping capacity of 1,606 gpm of additional capacity as Pr	2009	$500,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	026	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Upper Pressure Zone (also known as Zone 1415) of the City of San Bernardino. The project is located in California Avenue between 30th Street to 19th Street for a distance of about 4,800 LF. A 6 pipe is located between two	2009	$864,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	021	The existing reservoir capacity in the Terrace Pressure Zone of the City of San Bernardino is 2.4 MG (million gallons). The Water Master Plan of 2007 identifies the need for an additional 3 MG capacity in this pressure zone as Priority 1. Priority 1 is	The Terrace Pressure Zone, also known as 1312 Zone, is located at the south west area of the City of San Bernardino. Construction of a 3 MG reservoir requires finding an appropriate site to accommodate a reservoir of this size. Once an appropriate site	2009	$3,250,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	024	The existing reservoir capacity in the College and Devil Canyon Pressure Zone of the City of San Bernardino is 8.1 MG (million gallons). The Water Master Plan of 2007 has identified the need for an additional 12 MG capacity in this pressure zone. Of thi	The College/Palm Zone, also known as 1720 Zone, is an important zone located in the northwestern area of the City of San Bernardino. This area is one of the two zones with the highest water demands and storage requirements. Construction of a 4 MG reserv	2009	$4,000,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	019	The San Bernardino Municipal Water Department has sixty six (66) water pumping facilities in its service area. These pumping stations pump water from lower pressure zones to higher pressure zones, when water demand in the higher zones is more than the so	The Upper to Mountain Pumping Plant is also referred to as Mountain Pump Station and is located on Electric Drive north of Northpark.The combined capacity of this pump station is 1,500 gpm. The Master Plan recommends additional pumping capacity of 2,00	2009	$1,000,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	027	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Lower Presure Zone (also knkown as Zone 1249) of the City of San Bernardino. A 8 pipe is currently located between two larger pipes at the two ends. The existing 8 pipe, therefore, causes a restriction in the flow of wat	2009	$768,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	022	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized for the increasing current and future water demands. The Master Plan recommends that thes	This project is located in the Lower Pressure Zone of the City of San Bernardino. A 36 pipe currently is located along Medical Center Drive from Medical Center Reservoir to 2oth Street. The total length of this pipe is 2,700 LF. The Water Master Plan	2009	$1,701,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	173359	13	SAN BERNARDINO CITY	3610039	031	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments that are substandard for the current needs of the City of San Bernardino. Some of these are pipes with diameters varying in size from 1 inch to	An existing 4 steel pipe in Pershing Avenue extends from 27th Street to north of 29th Street needs to be replaced with a standard 8 ductile iron pipe. This pipe has been in service in 1924 (83 years in service). The total length of this pipe is 1,650	2009	$287,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	028	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Upper Pressure Zone (also known as Zone 1415) of the City of San Bernardino. The project is located in 16th Street between Medical Center Drive and Massachusetts Avenue for a distance of 4,200 LF. A 6 pipe is located betw	2009	$756,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	032	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments that are substandard for the current needs of the City of San Bernardino. Some of these are pipes with diameters varying in size from 1 inch to	An existing 4 steel pipe in F Street extends from 30th Street to 34th Street and needs to be replaced with a standard 8 ductile iron pipe. This pipe has been in service since 1924 (83 years in service). The total length of the pipe is 2,300 LF.	2009	$400,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	030	The San Bernardino Municipal Water Departments Water Master Plan of 2007 has identified certain pipe segments in the water distribution network that are undersized to meet the increasing current and future water demands. The Master Plan recommends that	This project is located in the Mountain Pressure Zone (also known as 1633 Pressure Zone) of the City of San Bernardino. The project is located in Sierra Way between 40th Street and Sepulveda Street, for a distance of 2,700 LF. The existing 6 pipe is b	2009	$486,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	025		This project is located in the Lower Pressure Zone (also known as Zone 1249) of the City of San Bernardino. A 6 line is currently located between two larger diameter pipes at the two ends. The existing 6 pipe, therefore, causes a restriction in the fl	2009	$960,000
0	C	173359	13	SAN BERNARDINO CITY	3610039	018	The existing pumps in this project are located in a buried vault deep in the ground. The facility is about 60 years old based on the needs of the time. Maintenance is costly and difficult. Current confined space regulations make it even more difficult	Existing pump station has a total capacity of 8,800 gpm pumping from a reservoir to a higher pressure zone with a static head differential of 167 ft. The project consists of removal of an existing vault roof slab and replacing it with a new slab designed	2009	$1,500,000
0	C	190800	18	Marin Municipal Water District	2110002	006	Insufficient potable water supply. Russian River supply is uncertain.	Build desalination plant to treat water from San Francisco Bay	2004	$20,000,000
0	C	190800	18	Marin Municipal Water District	2110002	003	Lake stratification causes water quality problems.	Install an air compressor at Alpine Lake to eliminate or control the problems.	1999	$250,000
0	C	191500	14	Otay Water District	3710034	001		Otay Water District, CA, requests consideration for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et seq.), Chapter 3 – Water Security. The District serves 190,000 residents o	2008	$2,500,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	191500	14	Otay Water District	3710034	002		The San Diego County Water Authority (SDCWA) Regional Interagency Security Cooperative requests an invitation to apply for funding under Proposition 50: Water Security, Clean Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79500 et. se	2008	$20,000,000
0	C	200000	4	Contra Costa Water District	0710003	014	Construct new raw water intake and pump station for water quality and volume improvement.	Construct a new intake 7 miles south of the existing intake.	1998	$121,000,000
0	C	200000	4	Contra Costa Water District	0710003	019	Low-head transmission line. Reranked to O from H (1/18/02)	Construct a 7300 foot of 24-inch diameter pipeline extending from the 24 inch main.	2002	$2,752,000
0	C	200000	4	Contra Costa Water District	0710003	013	Encase two oil pipelines crossing the Canal to minimize potential contamination.	two pipelines will be retrofitted with new encased at the crossing locations.	1998	$3,200,000
0	C	200000	4	Contra Costa Water District	0710003	005	Hazardous materials in reservoir caulking, including PCBs, lead and mercury require removal and disposal.	Remove and dispose of existing caulking from 10 treated water reservoirs and replace with new caulking.	1998	$2,050,000
0	C	200000	4	Contra Costa Water District	0710003	011	Construct seismically sound raw water pump station and pipeline for system redundancy.	Construction of a parallel seismically sound pipline and pump station/	1998	$12,100,000
0	C	200000	4	Contra Costa Water District	0710003	009	Relocate agriculture drainage channel to minimize contamination to the raw water quality.	Relocate the drainage discharge	1998	$3,500,000
0	C	200000	4	Contra Costa Water District	0710003	010	Construct in-line sedimentation basin to improve raw water quality in Canal.	Construct an in-line sedimentation basin near intake.	1998	$1,000,000
0	C	200000	4	Contra Costa Water District	0710003	012	Improve raw water conveyance facilities by repairing sections with potential landslide hazards.	Install culverts at two high potential slide locations and perform earthwork at one.	1998	$1,800,000
0	C	201000	8	City of Huntington Beach	3010053	002	Color and odor problem in 8 groundwater wells	To provide cathodic protection of all applicable metalic pipelines in the City.	1998	$5,000,000
0	C	316000	8	Irvine Ranch Water District	3010092	001	High manganese levels have caused operational problems and limited water production from the IRWD Irvine Desalter Project (IDP) Potable Treatment Plant (PTP). The current secondary MCL for manganese is 50 ug/L. PTP design information predicted the groun	The Manganese Removal Upgrades Project will enable the IRWD Irvine Desalter Project (IDP) Potable Treatment Plant (PTP) to evaluate treatment options, demonstrate improvements, and optimize facilities to meet drinking water standards, increase water produ	2007	$2,000,000
0	C	324838	4	Alameda County Water District	0110001	003	The PT Blending Facility experiences deficiencies in water quality and system reliability		2006	$1,000,000
0	C	324838	4	Alameda County Water District	0110001	004		Upgrade PT Blending Facility	2006	$1,000,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	345556	8	City of Anaheim	3010001	006		Intertie with the City of Buena Park:The City of Buena Park has no emergency interties and their 2005 Water Master Plan Study recommended several be installed. The proposed intertie between Anaheim and Buena Park water systems would be a two-way emergen	2009	$600,000
0	C	345556	8	City of Anaheim	3010001	005	Portions of the Orange County Groundwater Basin are contaminated with volatile organic compounds. One of Anaheims production wells, Well #14, contains low levels of trichloroethylene (TCE), tetrachloroethylene (PCE), and other chlorinated hydrocarbons t	Per the results of an economic feasibility study, this project would replace the two asphalt-lined, subterranean reservoirs with two 2MG fully enclosed, partially buried, prestressed concrete reservoirs. The new reservoirs would meet all current seismic	2009	$5,000,000
0	C	414710	20	Eastern Municipal WD	3310009	047	Capacity of Perris WFP is currently 10 MGD, to meet system demands plant needs to be expanded.	Expand Perris WFP treatment facilities.	2005	$10,000,000
0	C	998000	17	San Jose Water Company	4310011	001	Need to provide for the disinfection of groundwater to ensure compliance with the TCR.	Install hypochlorinators at 12 additional wellfields.	1998	$1,500,000
0	C	998000	17	San Jose Water Company	4310011	005	Hosebibs used in sampling result in occasional false positives for total coliform.	Install 125 dedicated, lockable sampling stations.	1998	$375,000
0	C	1256951	14	San Diego - City of	3710020	054	Miramar WTP flow control facility requires upgrades to the facility and the treatment process to comply with regs. Continued increase in water demand due to pop. growth has required additional rehab.	Design and construct a new flow control facility to continue to meet the needs of the raw water supply to the Miramar WTP.	2006	$8,000,000
0	C	1256951	14	San Diego - City of	3710020	056	Convey water from the Alvardo WTP system to a portion of the Miramar WTP system, this pump station will allow the Alvarado WTP to support the Miramar WTP service area and free up capacity within the overall Miramar WTP system.	Construct a new water pump station with five 5-mgd pumps. Total pump station capacity will be 20-mgd. The pump plant will pump water from the Alvarado Zone to the Northwest Mesa Zone.	2012	$5,426,000
0	C	1300000	4	East Bay MUD	0110005	016	Distribution system has sources of bacterial concentrations - jeopardize compliance to the TCR.	Replace Redwood tanks which have historically been sources of high bacterial concentrations with steel tanks. Install reservoir sampling and on-site treatment/disinfection facilities. Install chlorine residual and conductivity monitoring system.	1998	$8,800,000
0	C	1300000	4	East Bay MUD	0110005	002	To ensure the integrity of the public water supply against microbial contamination.	Purchase and install combination meter/backflow devices for residential customers that have wells and also purchase backflow prevention devices for hydrant meters used by contractors obtaining water during construction.	1998	$1,338,000
0	C	1300000	4	East Bay MUD	0110005	003	Distribution system pipeline network is deteriorating. System has a history of leaks which needs to be evaluated and repaired.	Replace deteriorating distribution pipelines.	1998	$31,600,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	C	1300000	4	East Bay MUD	0110005	004	Old regulators deteriorated undersized, unsafe for operating personnel and lack remote monitoring.	Modifications of standard regulators to improve the reliability of the distribution system.	1998	$3,288,000
0	C	1300000	4	East Bay MUD	0110005	005	CLAREMONT CENTER - Three pumping plants. Existing electrical facilities serving this site are obsolete and unsafe. Building structures are seismically inadequate.	CLAREMONT CENTER IMPROVEMENTS UPGRADE PUMPING FACILITIES, REPLACE OLD ELECTRICAL EQUIPMENT AND PUMPS.	1998	$11,500,000
0	C	1300000	4	East Bay MUD	0110005	006	Pumping Plant rehabilitation Project - deteriorated insufficient in capacity and are unsafe for operating personnel	Modification of substandard pumping plants to improve the reliability of the distribution system.	1998	$2,179,000
0	C	1300000	4	East Bay MUD	0110005	009	Reservoir Rehabilitation/Maintenance project recoat . To prevent continued structural degradation due to coating failures and to meet new regulatory requirements.	Ongoing project to inspect, recoat, and rehabilitate two to three distribution system steel reservoirs per year.	1998	$12,900,000
0	C	1300000	4	East Bay MUD	0110005	012	Sobrante Raw Water Pipeline Project - Recent failure to this pipeline are a result of the 1989 Loma Prieta earthquake. 1,000 feet of the pipeline indicated that 82% of the inspected welds in the pipe stell shell are defective.	Replacement of approximately 10,000 feet 60-inchs in diameter, from San Pablo reservoir to Sobrante reservoir,.	1998	$7,470,000
0	C	1300000	4	East Bay MUD	0110005	030	Emergency intertie among 4 agencies. SFPUC, City of Hayward, Alameda County Water District and East Bay MUD		2004	
0	C	1300000	4	East Bay MUD	0110005	015	Orinda Treatment Plant Improvements/Filter Gravel Replacement - Media migration and loss. Two filters have been removed.	Rebuild filters and underdrain systems to correct problems associated with poor surface water filtration at Orinda WTP.	1998	$1,700,000
0	C	1300000	4	East Bay MUD	0110005	014	OP/Net System Improvements - Add monitoring devices into the OP.Net system. This allows for real time data on distribution system performance.	Add the following; 1, Chlorine residual, 2. Particle counting, 3. Water temperature, 4. Connectivity.	1998	$1,000,000
0	P	25	6	PETE JOHNSTON GM	4000692	001	Needs to improve source and storage facility.	Replace tanks, replace well liner and install ozone system	1998	$9,585
0	P	30	10	PEARCE, JEFF H 39-40	3901354	001	Shallow well with high nitrates.	Drill new well with deep grout seal, new distribution lines.	2007	$19,000
0	P	40	2	Lassen County Service Area No 2	1805001	001	construct new water lines	construct new water lines	2005	$1,213,589
0	P	44	19	SUPERIOR MUTUAL WATER COMPANY	1503209	001	Current system is in need of a backup well and tank.	Company needs to purchase a well & tank to tie in with current system as a backup well.	2003	$300,000
0	P	50	4	Hansen Roofing Tile	4810016	001	Surface water source with filtration treatment deficiencies.	Purchase and installation of State approved point of entry water treatment devices for every business and 1 residence or purchase of water treatment capacity from City of Fairfield.	2000	$300,000
0	P	70	18	Saint Anthony Farm	4900944	001	Water system includes dairy tank with large production demand that causes wide swings in Cl2 residual	Separate the dairy tank from the potable system & install new Cl2 equipment	2003	$2,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	P	75	19	CAMP CONDOR	1502307	001	The system uses spring box water. During dry years, water quits flowing. This water is more susceptible to bacteria.	An old well and pump existed many years ago on the property. West Side Recreation and Parks District would like to update the pump, well, and run a new water line to the existing tank.	2003	$85,000
0	P	200	18	Geyserville Educational Park	4900705	001	Delapidated chlorination system	Replace chlorinator	2003	$60,000
0	P	200	17	CAMP JONES GULCH	4100538	001	Inadequate supply.	Drill a new well to increase the recovery time and volume of the system.	1998	$20,000
0	P	227	18	TOMALES HIGH SCHOOL	2100538	001	Old tanks and poor treatment system	Replace tank and treatment system	2004	$250,000
0	P	240	19	DI GIORGIO SCHOOL WATER SYSTEM	1502068	001	Existing well is not producing probably because perforations have been closed off. well originally drilled in 1949.	No water for public school. Must drill new well.	2003	$150,000
0	P	250	14	WARNER UNIFIED SCHOOL DISTRICT	3701010	001	Currently we have well #2 off line at this time due to being too old andnot being able to have improvements done on this well. We have only1 potable system at this time at our district. We are in need of anotherwell due to the fact that if our curre	Well #2 will have to be removed. Hopefully a new one will be installed at a different location due to the fact that we have a permanent housingfor our animals on the campus currently as well. If installed in the same location this could be problematic	2007	$100,000
0	P	350	9	DILLARD ELEMENTARY SCHOOL	3400254	001	Old and outdated plumbing. Outdated backflow prevention device. Multiple unneeded cross-connections	Replace and streamline plumbing. Replace backflow prevention device.	1998	$12,500
0	P	400	21	BITNEY SPRINGS LLC WATER SYSTEM	2900563	001	Failing water storage tanks, poly tanks are cracking and may fail at any time	Replace two 10,000 gallon poly tanks, or construct new steel tank on site	2002	$50,000
0	P	500	17	Field Sports Park/Mariposa Lodge/Coyote	4300937	001	Source protection needed. Also, meters need to be installed.	Construct structure at well site and install meters to FSP and Mariposa.	1998	$8,000
0	P	750	3	Mendocino School District-Mendocino	2300584	001	Project DescriptionReplace an aging and inadequately sized domestic water system for the Mendocino Unified School District. The current system is not reliable and does not meet requirements for water pressure. Existing Water SystemMany of the schools	Proposed new SystemThe current water system must be abandoned and replaced with a new system. The new system provides over a mile of new piping including new 12 inch, and then reduced to 10 inch, piping from the well site to the schools. The new line w	2008	$1,889,750
0	P	850	19	TEJON-CASTAIC WATER DISTRICT	1503341	004	Current water production at capacity, unable to meet anticipated growth.	Domestic water filtration expansion.	2007	$500,000
0	P	850	19	TEJON-CASTAIC WATER DISTRICT	1503341	003	Down hole failure at Rose Well.	Pull and repair well.	2007	$100,000
0	P	850	19	TEJON-CASTAIC WATER DISTRICT	1503341	002	Impurities in water and sediment buildup in tank.	Install water filtration system.	2007	$70,000
0	N	25	17	Uvas Canyon County Park	4300616	002	Unable to monitor water usage & demand, detect leaks, implement conservation program, etc.	Install water meters in system.	1998	$3,500
0	N	25	17	Mt. Madonna County Park	4300612	001	Unable to monitor water usage, implement water conservation, manage watershed, etc.	Install two water meters at wells.	1998	$3,500

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	N	25	21	Malakoff Diggins SHP	2910300	002	Currently the Malakoff State Historic Park main water line runs from the Derbec Well storage tank to the town of North Bloomfield. The line has numerious leaks and cracks in it. We are repairing it on a weekly basis and it will soon have more patches on	We would like to replace the waterline running through Malakoff Diggins State Historic Park to stop water loss from the pipe. We propose to run the pipe in the same location as it is right now from the upper park water storage tank to the lower town tank	2008	$350,000
0	N	25	21	Malakoff Diggins SHP	2910300	001	Currently, the Derbec Well which provides water for Malakoff Diggins State Historic Park is located in a well shed just off of Derbec Road. This shed contains the well, chlorination equipment and 2 diesel generators. These generators provide power to th	We would like to construct a new 2 new buildings to house the well site to seperate the generators from the Derbec Well head. We would build one shed that would house the well head and needed electrical panels. The second shed would house the 2 new gene	2008	$200,000
0	N	25	2	FRCCSD - TWAIN	3200154	001	Existing well has reportedly deminished summertime capacity. No documentation indicating water shortages or outages, however.	Increase source capacity through additional well.	2004	$45,000
0	N	25	2	Almanor Heights MWC	3200139	002	Fifty year old 4 steel pipe watermain and one-4 fire hydrant are aged and need to be updated for improved domestic water supply and provide required fire protection.	Installation of 1347 of 8 PVC pipe, retirement of 1347 of 4 steel pipe plus installation of one 6 dry barrel fire hydrant. This project will also include six 8 gate values and three 6 hydrant controls plus pavement cutting and replacement. This pro	2008	$162,751
0	N	25	14	STELZER COUNTY PARK	3700011	001	Louis A. Stelzer has a history of bacterial contamination possibly under the influence of surface water. Close proximity to a seasonal creek with developed population upstream. August 30, 2006 a Boil Water Order with Compliance Order was given.	The existing source (well) is within 20 feet of a seasonal creek with a developed population upstream. A new source (well) needs to be drilled at least 100 or within acceptable well standard distances from the potential influence of the seasonal creek th	2008	$300,000
0	N	29	3	COUNTRY INN, THE	2800683	001	Need back-up well or additional storage and treatment for hard water.	Install back well or additional storage and treatment for hard water.	1998	$40,000
0	N	34	2	APPLEGATE INN	3103279	001	Low capacity for existing users. Expansion NOT covered by SRF	Expand water system	2005	$50,000
0	N	100	17	Joseph Grant County Park	4300737	001	Unable to monitor water usage & demand, detect leaks, implement water conservation measures, etc.	Install water meters in system.	1998	$3,500
0	N	100	2	Kentucky Mine and Museum	4600093	001	Sporadic coliform present addressed in compliance order #01-02-02 (0) 005. System states inadequate source and distribution system.	Design and improve spring at portal, reconstruct distribution apparatus, construct new distribution line, install tank liner.	2003	$115,000
0	N	100	1	Sawyers Bar County Water District	4700517	002	Jessup Gulch is only source during summer and is in forested area. If forest fire occurred, it would make Jessup Gulch unuseable.	Rehabilitate existing well next to Salmon River and make emergency backup source.	2007	$19,340
0	N	125	16	BIG ROCK CREEK CAMP	1900008	001	FUNDING FOR EXPANSION	FUNDS WOULD BE USED TO MAKE SYSTEM OPERATIONAL.	1998	$450,000

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Bonus	Type	Pop	District	Water System Name	Project Number		Problem	Project Description	Requested FY	Cost
0	N	138	9	ELKHORN BOAT LAUNCH [a]SWS[3]	3400123	001	Well deficiencies need correction.	Replace existing chlorination system.	1998	$5,000
0	N	160	12	CAMP SEQUOIA/GAINES WATER SYS	1000130	001	Experiencing low production from well - insufficient at times to supply adequate quantities of water.	Drill new well and tie it in to existing system.	2003	$20,000
0	N	165	12	MUSICK CREEK TRACT ASSOCIATION	1000058	002	ADDITIONAL STORAGE TO IMPROVE THE EXISTING VOLUME PROVIDED BY THE THREE STORAGE TANKS.	CONSRUCT A 80,000 GALLON STORAGE TANK.	2000	$60,000
0	N	165	12	MUSICK CREEK TRACT ASSOCIATION	1000058	003	THE STORAGE TANKS HAVE A COMMON INLET/OUTLET PIPE FROM THE WELLS.	INSTALL A SEPARATE INLET PIPE FROM THE WELLS TO THE STORAGE TANKS.	2001	$50,000
0	N	165	12	MUSICK CREEK TRACT ASSOCIATION	1000058	004	Inadequate water storage facilities.	Construct 80,000 gallon storage tank.	2005	$90,000
0	N	225	2	BSA-Camp Fleischman W.S.	3200076	001	Aging water system needs weekly repair because of age, wear, and weathering.	Replace water transport line and storage tank.	2003	$250,000
0	N	250	13	De Benneville Pines Inc	3600534	003	Existing well is inaccessible and unable to be upgraded or maintained	Drill a replacement well	2003	$30,000
0	N	250	13	De Benneville Pines Inc	3600534	002	Refinance reservoir repairs	Refinance reservoir repairs	1998	$15,000
0	N	300	12	HUNTINGTON PINES MUTUAL	1000051	001	WE ONLY HAVE ONE WELL WHICH FEEDS INTO OUR DISTRIBUTION LOOP. HILLSIDE LOCATION WITH 100,000 GAL. STORAGE TANK AT TOP, WELL APPROX. 1/2 WAY DOWN HILLSIDE.	DRILL SECOND WELL FOR BACK-UP. DISCONNECT WELLS TO DISTRIBUTION SYSTEM AND CONNECT THEM TO THE STORAGE TANK	1998	$35,000
0	N	300	2	Oakland Feather River Camp	3200019	001	Oakland Camp faces numerous problems in delivering quality drinking water due to a low-performing well, a poorly retrofitted treatment plant and a deficient, decrepit distribution system which have foregone even routine maintenance for over a decade.	The project is only in the conception stages at this point since money is not currently available to do any of the work. If funded, the project requires study of all aspects of the system to install an adquate system to meet needs of the camp. Throug	2008	$1,000,000
0	N	10000	4	EBRPD - Del Valle Regional Park	0105010	001	The Del Valle Water Treatment Plant is very old, fragile and requires renovation. Recent and periodic turbidity spikes of the finished water have exceeded state water standards of 0.3 NTU's. The elevated turbidity levels result in concern over adequate di	The Del Valle Water Treatment Plant currently utilizes conventional filtration to render potable water supply for a very popular park in Livermore. This project will install appropriate equipment utilizing membrane filtration technologies (either ultra or	2008	$1,500,000
0	N	10000	9	GIBSON RANCH COUNTY PARK	3400297	001	No backflow devices on wells. Double check valve does not meet standards. Chlorine gas storage unit is in noncompliance.	Upgrade wells' double check valves, install new backflow preventers, and replace chlorine gas treatment to liquid Hypochlorite treatment.	1998	$25,000

Total Projects for 'Category' = O (1380 Projects) **Total Costs for Category:** ***$3,408,236,668*** **Total Population served in Category:** ***72,827,522***

Total Projects for all 'Categories' = (4087 Projects) ***Grand Total*** ***$8,943,991,467***