

Safe Drinking Water State Revolving Fund

Final Fundable 2007 SRF Project Priority List

SRF Category A

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	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		\$494,650
Total Projects for 'Category' = A (1 Project)							Total Costs for Category:	\$494,650	Total Population served in Category:	249

SRF Category **B**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
40	C	72	1	Van Fossen & Mason	4700506-001		Spring source contaminated with total coliform causing repeated total coliform MCL failures.	Upgrade existing, undersized and deteriorated distribution system so that consolidation can occur with adjacent large	2002	\$0
40	C	3,594	11	TUD - Columbia Water	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.		\$0
40	X	80	11	TUD-RAILBED DITCH CONVEYANCE PROJEC	0011127-001		INDIVIDUAL DITCH CUSTOMERS USING UNTREATED DITCH WATER SUPPLIED BY TUD.	INSTALL A WATER LINE, PUMP STATION, STORAGE TANK, AND SERVICE LINES TO SUPPLY TREATED WATER FROM TUD'S JAMESTOWN SYSTEM TO THE INDIVIDUAL DITCH CUSTOMERS.	1998	\$0
30	C	5,372	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	79	2	Clio Public U.D.	3200509-002		Consistent failures of the coliform MCL and coliform positive samples from spring source resulting in Compliance Order to provide continuous chlorination, among	Add chlorination prior to distribution system at storage tank inlet and make necessary changes to tank plumbing for proper operation of chlorinator.	2005	\$49,500
25	C	100	21	Skyway Subdivision	0405099-001		subdivision w individual wells- half w VOCs; 0.15 w coliform or fecal coli	construct cws and consolidate with Cal Water Chico	2005	\$350,000
25	C	120	21	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	1998	\$495,000
25	C	200	21	Colusa Co. Service Area #2- Stonyford	0600005-001		System source has been failing bacteriological sampling due to possible surface water infiltration into the source wells. The chlorination system is old and unreliable	Undertake a study to determine the source of bacterial contamination of the system's two wells and design and construct the appropriate treatment facilities	2001	\$0
25	C	200	21	Colusa Co. Service Area #2- Stonyford	0600005-002		Lack of adequate water rights to serve population, lack of adequate water storage, low pressure, and old/aging	Drill new wells, add storage tank, and replace some existing lines.	2001	\$400,000
25	C	250	12	SIERRA MOBILE HOME PARK	1000252-001		REPEATED FAILURES OF THE TOTAL COLIFORM MCL.	INSTALL AN INTERCONNECTION TO THE CITY OF FRESNO.	1997	\$0
25	C	465	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
25	C	3,066	20	Coachella VWD: I.D. NO. 11	3301477-001		System has had coliform failures.	Want to be on list	1998	\$0
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	72	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

SRF Category **B**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	Drill new well and install new electrical and holding tank.	2015	\$15,000
20	C	100	9	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	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	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	12,155	20	Blythe - City of	3310003-001		Insufficient supply well capacity and water quality bacteriological problems. Insufficient water storage and distribution system capacities. (see attached	Construct a new water facility including supply wells, filtration, storage reservoirs, and a distribution pipeline loop. (see attached documentation).	1998	\$0
20	U	30	11	TUD-MOUNTAIN BOY RD. DITCH CONVEYAN	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	\$354,680
15	C	50	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		\$300,000
10	C	70	12	SEQUOIA CREST WATER CO.	5400701-001		CONSISTENT COLIFORM COUNTS PROBABLY DUE TO STORAGE TANKS. ONE 25-YEAR OLD 100,000 GALLON REDWOOD TANK AND ONE 35 YEAR OLD 33,000 GAL. BOLTED TANK	REPLACE TANKS WITH NEW 150,000 GALLON STORAGE TANK	1997	\$0
10	C	518	4	SID - Gibson Canyon	4810010-001		Bacteriological contamination of water source and supply no treatment. Public Noticed issued.	Construction of a central water treatment plant for all water used in GCID.	1997	\$0
10	C	5,372	10	ACWA Sutter Creek	0310003-001		Uses raw, untreated water	PROVIDE POTABLE WATER TO BOSSE PREVATILI AREA. OTHER = DESIGN AND CONSTRUCTION	1998	\$3,000,000
10	P	100	9	YOLO CO AIRPORT	5700714-001		Well contaminated with coliform bacteria, MCL violations, Compliance Order.	Abandon old well and install a new one.	2001	\$0
5	C	38	14	RICHARDSON BEARDSLEY INC.	3701780-001		Repeat violation of the TCR MCL. System has leaking distribution lines, leaking storage reservoir and possibly contamination at well. Old well has	Replace defective piping and tank and drill new well to community standards; install appropriate backflow devices, as needed.	1997	\$0

SRF Category **B**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	\$10,000
0	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	
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
0	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
0	C	60	4	SID-Peabody	4810026-001		Irrigation District with bacteriological contamination of water sources and no treatment.	Purchase treatment capacity from the City of Fairfield	2001	\$0
0	C	100	10	FARMINGTON WATER COMPANY	3900505-001		MCL violation due to chronic bacteriological contamination of well and deteriorating distribution system with	Drill 2 new wells, install new distribution system, and storage.	2007	\$1,809,780
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	Rebab wells, upgrade to minimize flooding, replace reservoir and distribution system.		\$684,000
0	C	100	4	Trailer City	4800572-001		Fecal contamination in source and distribution BWO/Public Notice issued.	Hook-up to City of Vallejo water system.	2001	\$0
0	C	150	10	Jackson Valley Irrigation	0310022-001		JVID currently uses source water of poor quality for customers in Buena Vista area.	Pump good quality Mokelumne River water to a reservoir, which will be constructed along with treatment plant and associated distribution system.	2002	\$2,000,000
0	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
0	C	70,000	16	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	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	\$1,400,000
0	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
0	P	1,400	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	Replacement of well, pressure tank and delivery lines - some additional delivery lines.	2015	\$278,000

SRF Category **B**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	N	25	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	Obtain a new uncontaminated source.	2004	\$93,000
0	U	180	11	TUD-DITCH CONVEYANCE CONVERSION PRO	0011120-001		INDIVIDUAL DITCH CUSTOMERS USING UNTREATED DITCH WATER SUPPLIED BY TUD.	INSTALL THREE WATERING STATIONS, TWO WATER MAIN EXTENSIONS, SIX WATER SERVICE EXTENSIONS, AND UP TO 20 WELLS.		\$1,200,000
Total Projects for 'Category' = B (43 Projects)						Total Costs for Category: \$16,556,060		Total Population served in Category: 105819		

SRF Category C

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
45	C	85	2	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	375	3	Lake County CSA 7 - Bonanza Springs	1700544-001		Well source appears to be under surface water influence. During 1995 and 1997 rainy seasons, high turbidities plagued the well source. In 1995, a boil water notice was in place for several months.	Installation of a filtration system or connect to Loc Lomand Water System.		\$0
35	C	88	3	Lake County CSA 22 - Mt. Hannah	1700563-001			Installation of a filtration system or connect to Loc Lomand Water System.		\$0
25	C	38	2	Greenhaven Homeowner's	3200195-001		Water system has a well that is under the influence of surface water.	Drill deeper well and increase storage	2015	\$15,000
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	\$0
25	C	60	13	DARWIN COMMUNITY SERVICES DISTRICT	1400098-002		Well under direct influence of surface	Construct SWTP	1998	\$300,000
25	C	85	2	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	2	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	\$0
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		\$506,000
25	C	300	9	Tahoe Swiss Village Utility	3110042-001		No filters at intake from Lake Tahoe.	Build a filter plant.	2015	\$390,000
25	C	300	9	Tahoe Swiss Village Utility	3110042-002			Build a 300,000 to 500,000 gallon storage	2015	\$300,000
25	C	2,340	12	Terra Bella Irrigation District - TBT	5410038-003		Residents in area to be served by proposed system currently receive water from existing irrigation system and do not have an approved drinking water supply.	Extend TBID's existing potable water distribution system to affected area, install new pipelines to allow separate service for domestic and irrigation water and construct	2003	\$0
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	N	200	2	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	2015	\$20,000
20	C	300	1	Roosevelt Water System	0800510-001		Unfiltered surface water and low water pressure.	Develop groundwater source including holding tank, new pumps, install larger mains and service lines, and install meters.	1999	\$0
20	C	300	1	Grenada Sanitary District	4700523-001		E.coli have been detected in water from existing shallow wells.	Construct new deep wells with proper separation from sewage hazards. Also construct storage facilities and replace	1998	\$0
20	C	338	3	Lake County CSA 18 -	1700574-001		Well appears to be surface water influenced. During 1995 rainy season, high turbidities plagued the well source. Several sections of the distribution system inadequate to deliver water.	Replace 14,500 feet of main, construct new well, construct a new 60,000 tank, .		\$0

SRF Category C

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
20	C	498	10	River Pines PUD	0310006-001		WELL 6 IS CONTAMINATED WITH TOTAL AND FECAL COLIFORM.	DRILL REPLACEMENT WELL CLOSE TO FILTRATION PLANT TO ASSURE CONTINUOUS SUPPLY OF MICROBIOLOGICALLY SAFE WATER.	1998	\$0
20	C	542	2	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.	2002	\$260,000
20	C	650	1	Big Rock C.S.D.	0800532-002		Unfiltered surface water (infiltration	Design and installation of a filtering system at the chlorination building.	1999	\$100,000
20	C	2,340	12	Terra Bella Irrigation District - TBT	5410038-001		CONSTRUCTION OF SWTP IN A LOW INCOME AREA	REFINANCING THE EXISTING DEBT AT A LOWER INTREST RATE	1997	\$0
20	C	2,340	12	Terra Bella Irrigation District - TBT	5410038-002		CLUSTERS OF PRIVATE HOMES RECEIVING UNFILTERED SURFACE WATER.	EXTEND DISTRIBUTIONS MAINS FROM NEW SWTP TO SERVE THIS AREA. OTHER - DESIGN AND CONSTRUCTION	1997	\$0
20	C	5,812	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.		\$2,806,759
20	C	5,812	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.	2002	\$3,225,356
20	C	80,000	1	Humboldt Bay MWD	1210013-001		Groundwater source with fecal coliform contamination.	Phased construction to provide full treatment.	1997	\$0
20	P	1,400	11	WEAVER ELEMENTARY SCHOOL	2400101-001		INDUSTRIAL SOLVENT TCE DETECTED IN GROUNDWATER. ANNUAL HIGH BARIUM LEVELS OVER THE MCL.	HAVE TWO EXTRACTION WELLS TO REMOVE TCE/ CAN'T CORRECT BARIUM LEVELS	2000	\$0
15	C	40	18	Valley Ford Water Association	4900568-001		E. coli and fecal coliform/high nitrate wells	New source or treat existing sources		\$450,000
15	C	350	13	ROVANA VILLAGE	1400006-001		Refinance well drilled to replace unfiltered surface water supply	Refinance	2015	\$571,325
15	C	800	9	North Tahoe PUD - Dollar Cove	3110036-002		Unfiltered surface water source.	Refinance loan.	1998	\$100,200
15	C	3,000	21	Truckee-Donner PUD - Donner Lake	2910005-005		Chronic and continuing water outages and de-watering of the distribution system. Note: Project was added to SRF PPL based on public hearing 7/24/00;	Investigate the condition of existing distribution system and reappear or replace as	2001	\$0
15	C	5,000	9	North Tahoe PUD - Main	3110001-005		Unfiltered surface water source.	Refinance loan.	1998	\$614,300
15	C	5,000	9	North Tahoe PUD - Main	3110001-010			Install a one million gallon covered reservoir. Involves design and construction.	1999	\$569,000
15	C	5,000	9	North Tahoe PUD - Main	3110001-011			Construct well, 500 and 1000 gpm. Involves design and construction.	1999	\$400,000
15	C	5,000	9	North Tahoe PUD - Main	3110001-013			Increase the Ozone CT valves and equipment specification to address crypto inactivation and construct a facility to meet SWTR avoidance criteria. Involves design and	2000	\$3,050,000
15	C	11,653	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	11,653	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

SRF Category C

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
15	C	11,653	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	11,653	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	11,653	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	11,653	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	11,653	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	11,653	21	Nevada ID - Loma Rica	2910006-017		Residences using untreated water for drinking and cooking	Construct pipelines and pressure reducing station to provide treated water service	2015	\$1,100,000
15	C	11,653	21	Nevada ID - Loma Rica	2910006-018			Construct pipeline and pressure reducing station to provide treated water service	2015	\$430,000
15	C	11,653	21	Nevada ID - Loma Rica	2910006-019			Construct pipelines to provide treated water service	2015	\$230,000
15	C	11,653	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	12,745	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	12,745	21	Nevada ID - E. George, Banner Mountain	2910004-005			Construct pipeline and pressure reducing station to provide treated water service	2015	\$700,000
15	C	12,745	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	12,745	21	Nevada ID - E. George, Banner Mountain	2910004-012			Construct pipelines to provide treated water service	2015	\$396,000
15	N	250	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	0	6	LOPEZ PROJECT	4010022-001		Wells subject to SWTR compliance and are not filtered.	Locate & identify a new well site, then design & construct a new well.	1999	\$0
10	C	123	5	CLEAR RIDGE WA	2701898-001		Unfiltered surface water.	Install water filtration and disinfection system. Also, need new, larger pipes & valves and storage tanks. Or--drill new well to avoid	1998	\$100,000
10	C	129	5	COASTLANDS MWS (POST CREEK)	2701279-001		Surface supply with no treatment	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		\$70,000
10	C	775	1	Gasquet C.S.D.	0800555-009		Unfiltered surface water.	Build additional filtration, storage, and distribution line capacity.		\$599,040
10	C	375,100	20	Eastern Municipal WD	3310009-052		The SWTR eliminated EMWD's ability to use untreated Colorado River Water source. EMWD's groundwater Basins are over-pumped and declining rapidly.	EMWD must develop additional source or potable supply to meet demands and is proposing construction of a SW Filtration Plant to treat raw State Water Project water & reduce demands on CRW.	2002	\$0
5	C	60	5	Harmony Hills Water System	3500503-001		Unfiltered surface water.	Drill new wells.		\$434,420

SRF Category C

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
5	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	\$0
5	C	300	2	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	Install treatment that meets the requirements of the all surface water treatment regulations.		\$0
5	C	465	14	PINE HILLS MUTUTAL WATER COMPANY	3700905-007		wells may be under the direct influence of surface water	install a filtration system		\$500,000
5	C	5,851	21	Nevada ID - North Auburn	3110026-008		Residences using untreated water for drinking and cooking	Construct pipeline and pressure reducing station to provide treated water service	2015	\$1,500,000
5	C	5,851	21	Nevada ID - North Auburn	3110026-004			Construct pipelines to provide treated water service	2015	\$450,000
5	C	5,851	21	Nevada ID - North Auburn	3110026-005		Residences using untreated irrigation	Provide treated water	2015	\$450,000
5	C	5,851	21	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	5,851	21	Nevada ID - North Auburn	3110026-007			Construct pipelines to provide treated water service	2015	\$220,000
5	C	5,851	21	Nevada ID - North Auburn	3110026-009			Construct pipelines to provide treated water service	2015	\$1,100,000
5	C	5,851	21	Nevada ID - North Auburn	3110026-010			Construct pipelines to provide treated water service	2015	\$152,000
5	C	162,586	9	El Dorado ID - Main	0910001-004		Unfiltered surface water entering uncovered earthen distribution reservoir.	Line and cover reservoir with a rigid cover and construct a reservoir bypass.	2004	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-007			Cover reservoir with a rigid cover and create a bypass.	2004	\$496,200
5	C	162,586	9	El Dorado ID - Main	0910001-008		Unfiltered surface water entering uncovered earthen distribution reservoir..	Cover reservoir with a rigid cover a create a bypass.	2004	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-009		Unfiltered surface water entering uncovered earthen distribution reservoir.	(Thomas Hill) Evaluation of the need to retain reservoir; design and construction of reservoir protection if necessary.		\$1,700,000
5	C	162,586	9	El Dorado ID - Main	0910001-010			(Sac Hill) Evaluation of need to retain reservoir or replace with pump station; design and construct reservoir if necessary.		\$500,000
5	C	162,586	9	El Dorado ID - Main	0910001-022			Evaluation of appropriate reservoir capacity, cover, and create a bypass. Involves design and construction.	2002	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-021			Evaluation of a proper design for double reservoir system; line, cover and create a bypass. Involves design and construction.	2003	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-020			Line and cover reservoir with a rigid cover and construct a reservoir by-pass.	1997	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-023			Line and cover reservoir with a rigid cover and construct a reservoir bypass.; res no 4.	1997	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-001			Evaluation of appropriate sizing; construct, line, cover, and create a bypass. (CP-2 Bass Lake Tank)	1997	\$0

SRF Category C

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
5	C	162,586	9	El Dorado ID - Main	0910001-002		Unfiltered surface water entering uncovered earthen distribution reservoir.	Line and cover reservoir with a rigid cover and construct a reservoir bypass.; reservoir no. 6;	1997	\$0
5	C	162,586	9	El Dorado ID - Main	0910001-003			Line and cover reservoir with a rigid cover and construct a bypass.	2003	\$0
5	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-003		ENCINO RESERVOIR IS SUBJECT TO THE S.W.T.R. AND IS UNDER COMPLIANCE ORDER BY CDHS. STORM RUNOFF INTRODUCES UNFILTERED SURFACE WATER INTO THE DISTRIBUTION RESERVOIR.	CONSTRUCTING A 10 MGD FILTRATION PLANT, A 15 MG STORAGE TANK, PIPELINES AND UPSTREAM TRUNK LINE IMPROVEMENTS TO CONNECT THESE NEW FACILITIES TO THE DISTRIBUTION SYSTEM.	2002	\$0
0	C	25	12	FCSA #43/RAISIN CITY	1000551-001		Area presently on private wells with multiple contamination: total fecal coliform, nitrate, DBCP and uranium	Create a public water system to serve an area presently on private wells. Project to include source, distribution and storage.	2002	\$0
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.		\$505,938
0	C	38	6	ROSARIO PARK WATER SYSTEM	4200579-002		Surface spring not in compliance and does not meet volume requirements for the system demand. Several water outages each year.	Construct a deep well to replace existing non compliance spring. Replace distribution system	2003	\$250,000
0	C	50	9	Lake Forest Utility Company, Inc.	3110032-001		Unfiltered intake at Lake Tahoe. DHS has issued compliance order.	Install filters. Involves design and	2015	\$0
0	C	50	9	Tahoe Park Water Co - Skyland/Nielsen	3110049-001			Install filters. Involves design and	2015	\$200,000
0	C	52	5	ASOLEADO MWC	2702148-001		Ground water under the direct influence of surface water with no treatment provided.	Install appropriate filtration system or drill deeper wells.	1998	\$0
0	C	60	4	SID-Peabody	4810025-001		Unfiltered Surface water source.	Install POEs treatment..	2002	\$463,000
0	C	69	5	LAUREL COMMUNITY LEAGUE	4400528-001		No filtration treatment on springs and tunnel flow source, both of which have been determined to be GWUDI	Install approved surface water treatment and disinfection on both sources.	2002	\$120,000
0	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.		\$405,000
0	C	123	5	CLEAR RIDGE WA	2701898-002		Well is under the influence of surface	Install surface water filtration system	2003	\$150,000
0	C	135	17	Idylwild Water System	4300520-001		Unfiltered surface water supply	install filtration system	2000	\$150,000
0	C	150	5	GARRAPATA WC INC	2701257-002		Well deemed to be GWUDI	Provide treatment and disinfection to comply with SWTR requirements	2003	\$300,000
0	C	195	15	PARADISE RANCH MHP c/o SANTIAGO ASSOC.	1910099-001		GROUNDWATER WELLS (WELLS A,B,C,&D) ARE SUBJECT TO SURFACE WATER INFILTRATION AND HAVE A HISTORY OF BACTI PROBLEMS. FILTRATION REQUIRED.	REDRILL 4 SHALLOW WELLS AND CONSTRUCT UNDER PERMIT OR PROVIDE FILTRATION PLANT.(Combined of 02, 05, and 06)	2000	\$0
0	C	217	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.	2001	\$432,300
0	C	250	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.	Design/construct appropriate SW treatment system	2002	\$0

SRF Category C

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	\$0
0	C	750	9	Tahoe Park Water Company	3110018-001		Unfiltered intake at Lake Tahoe. DHS has issued compliance order.	Install filters. Involves design and	2015	\$1,000,000
0	C	1,141	5	Forest Lakes MWC	4410016-002		Well 5 deemed to be GWUDI	Install treatment or construct replacement well connect to Central Coast Water Authority (CCWA) 2/3/06.		\$476,050
0	C	1,200	6	SLO CWWO NO. 6 - 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.		1998	\$1,000,000
0	C	1,500	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		\$2,000,000
0	C	1,500	18	Stinson Beach County Wtr Dist	2110004-004		Groundwater is under Surface Water influence.	Increase source capacity with new well.	2001	\$0
0	C	2,500	8	Santiago County Water District	3010095-002		Unfiltered ground water under the influence of surface water.Water quality	Well head injection, mixing treatment and removal.	1997	\$0
0	C	2,500	9	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	5,383	6	SOLVANG WATER DEPARTMENT	4210013-001		Sources are subject to SWTR compliance and are not filtered.	Install 1.85 MGD filtration and disinfection TP to comply with the SWTR.	1999	\$1,980,300
0	C	8,298	6	Santa Ynez River Water Cons. Dist. ID#1	4210020-003		Gallery well subject to SWTR compliance and is not filtered.	Provide filtration 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
0	C	84,000	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	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-001		THE UPPER AND LOWER HOLLYWOOD RESERVOIRS ARE SUBJECT TO THE S.W.T.R. AND ARE UNDER COMPLIANCE ORDER BY CDHS. STORM RUNOFF INTRODUCES UNFILTERED SURFACE WATER INTO THE DISTRIBUTION RESERVOIRS.	AN UNDERGROUND BYPASS PIPELINE FOR THE LOWER HOLLYWOOD RESERVOIR, 60 MG OF COVERED, FILTERED WATER STORAGE IN 2 BURIED TANKS, A SMALL-SCALE MICROFILTRATION PLANT, AND A NEW WATER TRUNK LINE CONNECTING THE HOLLYWOOD AREA & LOWER STONE CANYON RESERVOIR	1997	\$0
0	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-005			This project is a component from project 01. It is called Unit 4 Hollywood trunk line. This leaves only Unit 3 Hollywood trunk line as proj. 01. The filtration plant has become	2002	\$0
0	P	45	3	Whale Gulch Elementary	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	\$50,000

SRF Category **C**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	P	9,900	21	BUTTE-GLENN COMMUNITY COLLEGE DIST	0400070-001	E-coli		New Well	2015	\$150,000
0	N	2	13	BIG BEND RESORT CORP	3600376-001	Unfiltered surface water		Construct new SWTP	2015	\$300,000
0	N	25	14	WIEST LAKE COUNTY CAMPGROUND	1300614-001	Our system has: a non-approved filtration system, no alarms for chlorination and turbidity, no pressure filters, lack of reliability monitoring standards and a need to increase the clear well storage. Please see attached report.		Install the system as shown in the included design.	1997	\$0
0	N	25	9	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 engdangment 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	\$400,000
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 (115 Projects)						Total Costs for Category: \$59,407,713		Total Population served in Category: 14285179		

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	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
40	C	120	14	WEST MAIN MUTUAL WATER CO	1300530-001		Our plant is outdated and out of compliance with EPA standards and	We propose to connect to City water system (El Centro).		\$1,046,070
40	C	41,030	14	El Centro, City of	1310004-001		West Main has inadequate surface water treatment	consolidate and connect to City of El Centro		\$1,542,850
40	C	41,030	14	El Centro, City of	1310004-002		two mobile home parks with inadequately filtered water	connect Nickles MHP and Palm Villa MHP to City of El Centro	2004	\$200,000
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	30	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.		\$200,000
25	C	70	14	VALLEY MOBILE PARK	1300572-001		Surface water treatment plant does not meet SWTR Regulations of treatment	Construct a new surface water treatment plant.		\$232,850
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	94	1	Tennant C.S.D.	4700531-001		Currently using unapproved filtration technology for surface water. No coagulant feed.	Add coagulant feed facilities or construct slow sand filters.	2004	\$0
25	C	139	9	Sierra Lakes County Water	3110017-002		Pressure filters operate at 4.5 gpm/sq foot compared to SWTR criteria of 3 gpm/ square foot.	Install additional filter capacity.	1999	\$0
25	C	163	11	TUD - Monte Grande Water System	5510030-001		WATER TREATMENT PLANT HAS TREATED WATER TURBIDITY PROBLEMS AND DOES NOT HAVE ADEQUATE RELIABILITY FEATURES.	CONSOLIDATE WITH TUD'S WILLOW SPRINGS SYSTEM VIA PIPELINE/PUMP STATION*	2002	\$0
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 flocculator and piping modification at an existing treated water storage tank. Replace existing pressure filter with three new vertical pressure filters.		\$820,000
25	C	196	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		\$250,000
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

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	2015	\$50,000
25	C	400	9	WASHINGTON WATER DISTRICT	2900523-002		Noncompliance with surface water treatment rule due to inadequate chlorine	Construct detention storage or alternative disinfection system.	2000	\$0
25	C	454	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
25	C	512	11	TUD - Big Hill Water System	5510029-003		INADEQUATE TREATMENT FACILITIES HAVE CAUSED TURBIDITY FAILURES OF THE SWTR RESULTING IN BOIL WATER ADVISORIES AND PUBLIC	CONSTRUCT A NEW SURFACE WATER TREATMENT PLANT.	1999	\$0
25	C	1,500	1	Garberville Sanitary District	1210008-002		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		\$0
25	C	2,800	4	City of Vallejo-Lakes System	4810021-001		System does not meet meet requirements of SWTR.	Associated with the construction of a 1.1 million gallon clearwell and storage reservoir, this would meet the Ct requirements.	1997	\$0
25	C	7,259	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	\$5,000,000
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	Surface water treatment rule compliance.	2003	\$225,000
25	P	100	18	Fort Ross School District	4900679-001		Direct filtration treatment facility unable to meet turbidity performance standards in winter because of high raw water	Hook into a community water system which is properly maintained, has sufficient water and has a management system.	2015	\$183,000
25	P	120	1	Whitethorn Elementary School	1200522-001		Surface water source with cartridge filters that do not fulfill SWTR.	Install new complete filtration	1998	\$0
25	N	25	2	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	Upgrade filter system, replace storage tank, and replace deteriorated mains.	1998	\$225,000
25	N	50	14	RED HILL MARINA	1300561-001		Surface water treatment plant does not meet SWTR regulations.	Construction of a new surface water treatment plant.	2000	\$0
25	N	250	2	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	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	2002	\$148,000

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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.		\$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		\$500,000
20	C	95	1	Redcrest Water Works	1200544-001		Repeated seasonal violations of turbidity rule sec. 64653(d)(1)(Title 22) during rainy weather	Improvement/enhancement?Modification of existing slow sand filtration system to achieve compliance with turbidity rule.	2004	\$75,000
20	C	181	2	HAT CREEK WATER COMPANY, LLC	4500022-001		Filtered surface water violates the surface water filtration (SWTR) regulations.	Replace existing substandard filtration system and add an additional chlorine contact tank with enclosure building to meet the		\$539,879
20	C	450	2	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	C	1,100	1	Happy Camp C.S.D.	4710012-001		Filtration facilities do not meet turbidity performance standards of SWTR during high demands and high raw water turbidities in the winter.	Install additional filter to reduce loading rates and possibly pretreatment. Install water meters at service connections to help control	1998	\$0
20	C	1,393	10	C.C.W.D., West Point	0510005-001		OLD SURFACE WATER TREATMENT PLANT DOES NOT MEET CURRENT SWTR REQUIREMENTS.	REPLACE WITH NEW SURFACE WATER TREATMENT PLANT. OTHER = DESIGN AND CONSTRUCTION.	1997	\$0
20	C	2,444	14	Westmorland, City of	1310008-001		The distribution system needs critical isolation vavles, system looping and replacement of 40 valves in the system which are non-functional to increase system reliability. See attached	See attached description and water system improvements Map	1997	\$0
20	N	42	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
15	C	25	3	Bella Lago Mobile Home Park	1700610-001		In line filtration plant treating Clear Lake as a raw source. Unapproved treatment	Drill well to change system source to	1999	\$0
15	C	100	2	Plumas County Flood Control	3210002-001		Aged system needs upgrade to treat the organic/biological loading caused by chemical treatment of Lake Davis.	Upgrade system with contact clarifiers, rehab filters, expand GAC capacity, install alternative disinfection, new chemical feed equipment	2000	\$0
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.		\$900,000
15	C	265	14	RIO BEND WATER SYSTEM RV PARK	1300620-001		filtration plant does not meet standards	build new water treatment plant	2006	\$155,000
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	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	\$1,514,000

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
15	C	480	12	IMPROVEMENT DIST #1	5400968-001		NO PRE-TREATMENT OF SURFACE WATER SOURCE.	New source or improve treatment of riverwell; storage tank and replace old main lines.	2002	\$1,100,000
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.	OTHER - Design and Construction Installation of another treatment process to enable facility to achieve two log Giardia		\$457,000
15	C	1,000	1	City of Trinidad	1210018-002		Exceeding filter loading rates; Not meeting turbidity standards; Not meeting CT requirements; Not meeting disinfectant residual requirements;	Install more filter capacity; Install GAC filter; Install more storage capacity; Install a chlorine booster pump station; Replumb		\$2,712,200
15	C	1,200	9	Grizzly Flats Community Servic	0910006-001		System has a single treatment facility. The water treatment plant does not have the required level of reliability as stated in SWTR Section 64659.	Install a second treatment unit. Involves refinancing, design and construction.	1999	\$0
15	C	4,300	10	Union Public Utility District	0510001-001		CLEARWELL TOO SMALL TO PROVIDE ADEQUATE DISINFECTION CONTACT TIME	CONSTRUCT 1MG, BAFFLED CLEARWELL OTHER = DESIGN AND CONSTRUCTION	2002	\$0
15	C	103,616	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
15	C	103,616	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	2015	\$4,000,000
10	C	140	21	CATHEDRAL OAKS	5800803-001					\$250,000
10	C	250	9	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	250	9	DUTCH FLAT MUTUAL	3100058-001		Lack of storage capacity which does not provide adequate chlorine contact time when meeting maximum daily demand.	Construct additional storage (100,000 gallons) to provide greater CT while meeting maximum demand.	1999	\$0
10	C	336	9	SHADY GLEN COMM WATER SYSTEM	3100040-001		Needs new filters to meet turbidity standards and needs more contact time.	Enlarge filtration and improve disinfection process, increase storage for chlorine contact time and during surface water interruptions.	2002	\$0
10	C	2,650	10	Lake Alpine Water Company	0210001-001		OUTDATED SURFACE WATER TREATMENT TECHNOLOGY CANNOT CONSISTENTLY COMPLY WITH STANDARDS	UPGRADE OR REPLACE TREATMENT PLANT. OTHER = DESIGN AND CONSTRUCTION	2000	\$0
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	500	3	Napa County Public Works- LBRID	2800526-001		Thirty year old treatment plant not in compliance with SWTR. Cannot adequately filter water during high turbidity winter months.	Replace existing filter with new one. Install additional plant equipment. Replace galvanized steel piping in distribution system.		\$1,920,000
5	C	2,000	9	Christian Valley Park CSD	3110034-001		Filter rate exceeds SWTR criteria.	Install one new filter. Involves design and construction.	2015	\$200,000
5	C	32,000	14	Fallbrook PUD	3710008-001		open distribution reservoir not in compliance with LT2ESWTR	construct a pump station and treatment plant		\$7,500,000

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
5	C	328,014	8	City of Anaheim	3010001-002		Refinance. Filtration Plant did not meet requirements of SWTR. New plant constructed after 7/93..	The Plant was closed down and reconstructed in order to comply with the Surface Water Filtration and Disinfection	1998	\$0
5	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-011		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 capacity 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.		\$220,000,000
5	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-010		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.		\$13,000,000
5	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-007		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	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.		\$261,000,000
5	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-008		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.		\$13,000,000
5	C	3,828,70	15	LOS ANGELES-CITY, DEPT. OF WATER & POWER	1910067-009		Upper Stone Canyon Reservoir is an uncovered finished water reservoir that does not conform to the Long-Term 2 Enhanced Surface Water Treatment Rule. Reservoir capacity is 137 MG; surface	Install floating cover to protect finished water in reservoir.		\$18,000,000
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	2001	\$92,000
0	C		52	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.	2003	\$68,825
0	C		55	18 Sonoma County CSA 41-Freestone	4900549-002		To provide adequate source capacity the system must use ground and surface water sources. The existing 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.		\$0
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		108	17 LOMA MAR MUTUAL	4100512-006		WTP not meeting turbidity standards	Make upgrades/improvements to WTP	2006	\$80,775

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	\$0
0	C	153	4	SID-Blue Ridge Oaks	4810024-001		Surface water source with filtration treatment deficiencies.	Purchase water treatment capacity from City of Fairfield.	2001	\$0
0	C	165	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.		\$25,000
0	C	200	3	Berryessa Pines Water	2810009-001		In-line filtration plant unable to meet turbidity performance standards.	Construct new surface water treatment plant with all required reliability features and a new clearwell for chlorine contact time to achieve required inactivation.	2001	\$0
0	C	200	18	Sonoma County CSA 41-Salmon Creek	4900543-001		Community has inadequate gravity storage capacity resulting in water outages during power or pump failures;	Construct elevated storage tank; NOW construct water main to connect to adj public		\$0
0	C	200	18	Sereno Del Mar Water Company (PUC)	4900647-001		System does not have reliable surface water treatment plant. The surface source is limited during periods of drought and needs alternate supply from additional storage and supplementary ground water	Construct new surface water treatment plant. Construct new storage and develop ground water supplemental source. Or construct intertie with carmet water system.	1999	\$0
0	C	250	3	CAPELL VALLEY ESTATES	2800543-001		Non--compliance with surface water treatment rule.	System upgrade to meet requirements.	1999	\$0
0	C	300	9	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	300	21	Del Oro Water Co.-Stirling	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	400	18	Coast Springs - Cal. Water Service (PUC)	2110007-002		Treatment plant does not meet SWTR.	Construct a new treatment plant.	2002	\$0
0	C	429	5	DAVENPORT COUNTY SANITATION	4400571-004		Unapproved technology (in-line filter), water outages due to plugging of intake and lack of air relief, and inability to operate during storm events	Install a new filter plant and improve intakes		\$421,172
0	C	460	3	Spanish Flat Water District	2810014-001		System has unapproved in-line filtration facility which does not comply with swtr. Plant does not meet inactivation requirements. Monitoring and reliability features not in compliance with SWTR.	Construct new package water treatment plant.	2001	\$0
0	C	650	3	Pleasure Cove Resort	2810011-001		inadequate surface water treatment plant, in-line filtration, inadequate disinfection	new surface water treatment plant	2015	\$150,000
0	C	3,640	9	Meadow Vista County Water	3110009-003		Water treatment plant has deficiencies that violate SWTR.	Install 2mgd package plant to operate in parallel, but independent of existing facilities.	2003	\$0
0	C	6,623	8	Serrano Water District	3010082-001		Filtered surface water that violates the requirements of the SWTR	Refinance projects started after 7/1/93- see	1999	\$0

SRF Category **D**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	14,100	2	Bella Vista Water District	4510014-006		Water treatment plant does not meet filtered surface water CT disinfection	Improve system to meet CT disinfection regulation; filter rate of flow controllers; filter to waste and recycle basin; add two new filters; coagulant addition; and variable speed pump.	2002	\$0
0	C	24,042	14	Brawley, City of	1310001-001		2nd contract of project 002. Tracking purpose only.	2nd contract of project 002. Tracking purpose only	1997	\$0
0	C	24,042	14	Brawley, City of	1310001-002		Existing water plant is inadequate and aged and does not meet the SWTR. The DHS has cited a violation of water filtering requirements in Compliance Order 04-14-96CO-021	The city has approved and undertaken the construction of a new water plant to correct violations noted in the DHS CO. The monies from the DWSRF will be used to refinance the plant.	1997	\$0
0	C	65,000	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	156,500	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	C	156,500	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	P	70	4	NICASIO SCHOOL	2100582-001		GWUDI source with unapproved SW treatment.	approved treatment	2007	\$0
0	N	25	2	FRCCSD-Belden Town	3200103-001		Current filter plant consistently does not meet the turbidity requirements of the	Replace current surface water source and treatment plant with a well source.	2004	\$66,000
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	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	2015	\$50,000
Total Projects for 'Category' = D (97 Projects)						Total Costs for Category:	\$573,989,396	Total Population served in Category:	20283714	

SRF Category E

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
45	C	68,000	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
35	C	100	14	PALM VILLA MOBILE HOME PARK	1300558-001		Non compliance with the SWTR, adequate turbidity quality, adequate reliability features, adequate water	Install a new water treatment system and distribution system or connect with the City of El Centro. The last option is preferred.	1998	\$125,000
25	C	35	14	El Centro Mobile Home Park	1300557-001		Non compliance with the SWTR. The system lacks the following: approved filtration, adequate turbidity quality, adequate reliability features, adequate water distribution system.	Install a new water treatment system and distribution sytem or connect with the City of El Centro. The last option is preferred.	1998	\$80,000
25	C	38	2	Greenhaven Homeowner's	3200195-002		Insufficient source capacity resulting water shortages and low pressure.	Drill second well.	2006	\$100,000
25	C	66	5	OAKRIDGE SUBDIVISION MWC	2701422-001		Insufficient source capacity - service connection moratorium in place.	Consolidation with Aromas Water District.	1999	\$1,000,000
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	Design a surface water treatment plant and replace all air vacuum release valves	2000	\$905,372
25	C	142	1	Siskiyou Co.Service Area #5/Carrick	4700521-001		Have well with no annular seal located in close proximity to septic tanks and leachfields.	Develop new souce that is adequately separated from sewage disposal facilities.	1999	\$0
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	Armor slopes and relocate facilities.	2001	\$160,000
25	C	250	20	RAMONA WATER COMPANY	3301529-001		Water shortage, water outages.	Drill new wells, meters, and storage facilities.		\$1,206,415
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.		\$0
25	C	250	9	KYBURZ MUTUAL WATER SYSTEM	0900300-001		2004 fire destroyed watershed and reservoir. Inadequate source of supply.	Incread size of river pump line to treatment	1998	\$125,000
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	\$865,280
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	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
25	C	1,638	12	London Community Serv Dist	5410017-002		CSD does not have adequate source capacity, Existing wells are old and	Purchase well site, drill new well, construct storage tank, booster pumps & hydropneumatic tank.	2006	\$1,600,000
25	C	1,904	12	Strathmore Public Util Dist	5410012-001		SURFACE WATER SOURCE WHICH NEEDS STORAGE TANKS DURING TIMES OF DEWATERING THE SOURCE	CONSTRUCT CANAL STORAGE FACILITIES. OTHER - DESIGN AND CONSTRUCTION	2002	\$0

SRF Category **E**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
25	C	3,174	1	City of Rio Dell	1210012-002		Failure of well resulting in water shortages. Iron and manganese	Source water treatment plant	2003	\$0
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	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.	2000	\$500,000
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	2002	\$480,000
20	C	110	12	Pine Flat Water Company	5410034-002		Inadequate source capacity. In order to meet demand, Pine Flat Water Company has made a physical connection to another nearby water system.	Construct a new well and storage tank that will meet community demands.	2005	\$1,300,000
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	Roosevelt Water System	0810001-001		Single transmission pipe line cannot always supply demand.	Installation of additional transmission pipe line and storage tank.	1998	\$8,000,000
20	C	955	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.		\$0
20	C	1,879	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.	2003	\$272,000
20	C	1,879	2	Quincy Community S.D.	3210004-004		Norton Well - Iron, odor, and decreased capacity	Construct new well	2001	\$150,000
20	C	11,180	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		\$0
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	9	NEVADA IRRIGATION DISTRICT/GREENHORN	2900577-001		Extremely low yield from wells	Connect campground to potable system from Loma Rica.	2003	\$500,000
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	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		\$476,911

SRF Category E

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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		\$60,000
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.		\$0
15	C	130	20	ALPINE VILLAGE	3301491-002			planning study to determine project to solve problem	2005	\$0
15	C	150	18	Bodega Water Company	4900850-001		Main well source does not produce sufficient source capacity to meet system	Build reservoir to meet demand		\$0
15	C	2,961	11	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007-001		THE SYSTEM HAS INSUFFICIENT SOURCE CAPACITY AND SEVERAL OF THE SYSTEM'S WELLS EXCEED THE URANIUM MCL.	CONSTRUCT NEW WELLS, RAW AND TREATED WATER TRANSMISSION LINES, TREATMENT PLANT UPGRADES, AND A NEW STORAGE TANK.	2002	\$0
15	C	7,400	3	Fort Bragg, City of	2310001-001		Inadequate source capacity. Water outages avoided only by unapproved diversion of surface water. DHS imposed conditional moritorium to new connections to the system citing lack of	Develop well field (estimated to supply 1400 gpm), install 5500 L.F. new transmission lines, new pump station and controls.	2001	\$0
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)		\$0
10	C	900	9	Weimar Water Company	3110035-002		Water system failure due to insufficient storage	Construct 750,000 gal water storage tank	2005	\$500,000
10	C	1,100	13	YERMO WATER CO	3610118-001		Inadequate source, storage and distribution system resulting in bacti	Construct new well and reservoir, replace mainline	1998	\$1,500,000
10	C	1,500	12	Springville PUD	5410011-001		Only permitted source of supply (wooden flume) was destroyed by fire in spring 2004. Currently pumping water directly from Tule River with portable pump to	Drill approximately 3 to 4 wells for new source.	2005	\$100,000
10	C	1,858	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	3,300	5	Seaside Municipal Water System	2710018-001		Insufficient source capacity - water purchased through emergency	Install new well.	1998	\$850,000
5	C	40	16	LLANO FARMS WATER COMPANY- COMMUNITY	1900514-001		INADEQUATE WATER SUPPLY, DOCUMENTED IN MARCH 1997 INSPECTION REPORT. NUMEROUS OUTAGES.	INSTALL NEW WELL, BOOSTER PUMP, AND STORAGE TANK	1998	\$500,000
5	C	65	9	LAKE COMBIE MOBILE HOME VILLAGE	2900526-001		Well is low capacity. Needs additional source capacity.	Connect to NID's treated water line adjacent to property.	2000	\$0
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		\$1,200,000

SRF Category **E**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
5	C	76	16	LITTLE BALDY WATER COMPANY	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#5 MOUNTAIN RANCHES	2000549-002		This system experiences water outages due to a lack of adequate source capacity.	Construct a new well and storage tank.		\$944,000
5	C	500	18	Sonoma County Water Agency	4910020-004		Inadequate capacity of water production facilities.	Design and construction of one additional Ranney Collector Well with 20 mgd capacity and connecting pipeline.	1998	\$0
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 deliver 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	\$80,000,000
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	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	60	5	NORTH SHORE ESTATES	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	65	17	Spring Valley Heights MWC	4300856-001		Insufficient source capacity	Construct intertie to neighboring City of Milpitas	2003	\$0
0	C	75	5	VIERRA MEADOWS MWC	2702003-001		Insufficient source capacity - system has water outages during high demand	Add additional 15,000 gallon storage tank.	1998	\$30,000
0	C	126	5	ASSISI MWC	2700503-001		Insufficient well production.	Rehabilitate or replace well to provide adequate source capacity.	1998	\$11,630
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	230	5	GREENBELT WATER COMPANY 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.		\$0
0	C	250	2	LAKESIDE WOODS MUTUAL WATER CO	4500013-001		Insufficient source capacity resulting in water outages, failing mains, and no	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
0	C	315	11	MDWC:CURTIS CREEK	5500058-001		Bacteriological contamination due to inadequate subsurface reservoir and/or	Repair or replace subsurface reservoir and rehabilitate or replace wells.	2004	\$1,277,046

SRF Category E

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	415	13	FOREST PARK MWC	3600107-001		Insufficient source and storage capacity	Construct new sources and storage facilities	1998	\$0
0	C	550	12	LSID-Page Moore System	5410057-002					\$0
0	C	550	16	WEST SIDE PARK MUTUAL	1900102-003		Limited water delivery capacity and capability of existing source.	Drill new well to correct water outage	2005	\$800,000
0	C	900	4	Rural North Vacaville Water District	4810013-001		Insuffucuent source capacity.	Design and construct a water system for the district.	1998	\$0
0	C	1,141	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		\$572,140
0	C	1,500	18	Bolinas Community PUD	2110005-002		Seasonal high streamflows result in siltation and closure of facility	Plan, design, and construct an alternative impound structure.		\$500,000
0	C	1,500	18	Bolinas Community PUD	2110005-003		Watermains on eroding hillsides	Plan, design, and construct alternative route for water line.		\$200,000
0	C	1,500	18	Bolinas Community PUD	2110005-004		Undersized treatment plant to meet system demand.	Convert and retrofit existing fitlers to improve production.		\$150,000
0	C	1,600	12	Tipton Community Services	5410014-003		Single well system had well failure during July 2001. Emergency temporary interconnection to Tipton CSD.	Permanent interconnection to Tipton CSD		\$0
0	C	2,500	5	Mt. Hermon Association, Inc.	4410008-001		Well MH1 losing capacity, resulting in water shortages and activation of emergency intertie to Sa nLorenzo Valley	Construct new well	2006	\$300,000
0	C	2,540	3	North Gualala Water Company	2310007-002		A recent decision by courts has determined several groundwater sources to be taking from surface water, which will impact both water rights and potential use of these sources.	Investigate impacts of the decision and assess alternatives. Project combines planning & construction.		\$0
0	C	2,710	20	Farm Mutual W.C. (The)	3310046-003		Reservoir is restricted for use to half capacity due to structural deficiencies. Potential for complete failure and water outages.	Construct new reservoir.	2000	\$650,000
0	C	2,961	11	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007-004				1998	\$0
0	C	7,435	13	GOLDEN STATE WATER CO - WRIGHTWOOD	3610047-001		Demand can exceed source capacity during prolonged drought periods	Construct new well	1998	\$0
0	C	14,750	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	\$7,500,000
0	C	16,855	13	SBDNO COUNTY SERVICE AREA 70L	3610120-003		Lack reliable source capacity	Construct new well	2000	\$882,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-002		THE EXISTING WATER SYSTEM (CARBON CANYON RD. PIPELINE) AND PUMP STATIONS ARE AGED AND UNDERSIZED.	REPLACE APPROXIMATELY 8000' OF EXISTING WATER MAINS AND RECONSTRUCT A PUMP STATION. (see 08)	2001	\$1,600,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-015		EXISTING 10" PIPELINE SYSTEM THAT CROSSES THE MARINA CHANNEL AND LOOPS THE SYSTEM IS AGED AND UNDERSIZED	REPLACE THE EXISTING 10" PIPELINES WITH 1,100' OF 16" PIPELINE (see 08)	2001	\$1,550,000

SRF Category **E**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	24,621	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		\$1,500,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-005		LAS FLORES MESA TANKS. THE EXISTING WATER TANKS HAVE DETERIORATED.	REPLACE THE TWO EXISTING WATER TANKS WITH TWO NEW 100,000 GALLON RESERVOIRS. (See 08)	1999	\$700,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-010		LAS FLORES MESA. THE EXISTING WATER SYSTEM IS AGED AND UNDERSIZED.	REPLACE APPROXIMATELY 1,700 FT. OF WATER MAIN TO REDUCE MAINTENANCE COSTS.(See 08)	2000	\$840,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-011		BROADBEACH ROAD PIPELINE. THE EXISTING WATER MAINS ARE UNDERSIZED AND AGED.(See Project 08)	REPLACE EXISTING WATER MAINS.(See project 08)		\$1,750,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-014		PHASE 2 OF 2: EXISTING BACKBONE PIPELINE SYSTEM IS AGED AND UNDERSIZED	REPLACE PORTIONS OF THE EXISTING 10" AND 12" PIPELINES WITH 8,000' OF 16" PIPELINE (see 08)	2001	\$1,401,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-016		PHASE 1 OF 2: EXISTING PIPELINES IN THE MARINA'S MOLE ROADS ARE AGED AND UNDERSIZED	REPLACE THE EXISTING 8", 10" AND 12" PIPELINES WITH 16" PIPELINES(see 08)	2002	\$1,550,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-017		PHASE 2 OF 2: EXISTING PIPELINES IN THE MARINA'S MOLE ROADS ARE AGED AND UNDERSIZED	REPLACE THE EXISTING 8", 10" AND 12" PIPELINES WITH 16" PIPELINES (see 08)	2002	\$870,000
0	C	24,621	16	LOS ANGELES CO WW DISTRICT 29 & 80-MALIB	1910204-018		PHASE 1 OF 2: 3.6 MG WATER STORAGE DEFICIENCY	CONSTRUCT A 2 MG RESERVOIR AT THE EXISTING SUNSET MESA TANK FARM SITE (see 08)	2001	\$2,100,000
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	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	\$57,615
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 ssystem to be considered.		\$0
0	P	100	9	LATROBE ELEMENTARY SCHOOL	0900410-001		Miller's Hill School system needs additional source capacity to prevent	Construct additional well and connect to storage tank.	1998	\$0
0	P	100	9	LATROBE ELEMENTARY SCHOOL	0900410-002		No water storage above ground.	Develop plans to install adequate storage for domestic water.	2003	\$10,000
0	P	120	9	MILLERS HILL SCHOOL	0900210-001			Develop plans to install adequate storage for domestic water.	2003	\$10,000
0	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.		\$450,000
0	N	25	6	VENTUCOPA WATER	4200872-003		Well - Low water production, insufficient water supply and high nitrates	Install a new well		\$175,000

SRF Category **E**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	N	25	6	VENTUCOPA WATER	4200872-001		Low water production and inadequate storage to meet demand.	Construct new well and storage tank; may include meters		\$735,000
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 (99 Projects)						Total Costs for Category: \$140,550,799		Total Population served in Category: 425115		

SRF Category **F**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
45	C	68,000	13	EAST VALLEY WD	3610064-001		Adjacent mutual water company(Arroyo Verde MWC) has insufficient source capacity and nitrate above MCL.	Consolidate water system into EVWD	2000	\$0
45	P	900	12	OROSI HIGH SCHOOL	5400636-001		Exceeds nitrate MCL.	Connection to Orosi PUD.		\$100,000
40	C	220	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	\$0
35	C	100	11	MD#43 MIAMI CREEK	2000557-002		The well exceeds the nitrate MCL and provides an inadequate supply of water. Also, the system's storage and distribution facilities are old and	Construct a new well, storage and distribution facilities. This system would also be consolidated with the MD#60-Dillon Estates system.		\$0
35	C	14,543	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.		\$64,896
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
25	C	37	20	WHISPERING SANDS MOBILE HOME PARK	3301746-002		Water produced from well exceed nitrate standard.	Connect to adjacent public water system, or drill new well.		\$31,350
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	\$5,000,000
25	C	110	12	RODRIGUEZ LABOR CAMP	5400735-001		NITRATE LEVELS EXCEED MCL	DRILL A NEW WELL. OTHER - DESIGN AND CONSTRUCTION	1998	\$200,000
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		\$900,000
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	\$250,000
25	C	200	14	LIVE OAK SPRINGS WATER & POWER	3700922-002		repeated total coliform violations	new well and pipes		\$100,000
25	C	250	11	EL NIDO MOBILE HOME	2400053-001		Well No. 2 exceeds the nitrate MCL.	Construct a new well or install treatment	2004	\$225,000
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	2000	\$136,769
25	C	1,750	5	San Juan Bautista, City of	3510002-001		High nitrates exceeded MCL and TDS in well water.	install filtration plant for surface water supply.		\$0
20	C	31	12	GLEANINGS FOR THE HUNGRY	5402047-001		Exceeds nitrate MCL.	Drill a new well.	2002	\$100,000
20	C	42	10	BANTA MUTUAL WATER CO #2	3900556-001		AGED DISTRIBUTION SYSTEM	REPLACE DISTRIBUTION SYSTEM.	2001	\$100,000
20	C	75	10	BANTA MUTUAL WATER CO #3	3900557-001		Aged distribution system in poor	Replace distribution system.	2001	\$100,000
20	C	81	10	BANTA MUTUAL WATER CO #1	3900555-001		AGED DISTRIBUTION SYSTEM.	REPLACE DISTRIBUTION SYSTEM.	2001	\$100,000

SRF Category **F**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	\$200,000
20	C	150	17	Farmers Labor Exchange	4300943-001		Source exceeds nitrate MCL	Connect with City to receive water that complies with standards		\$150,000
20	C	350	12	WATERTEK - GRANDVIEW GARDENS	5400666-001		EXCEEDING NITRATE MCL	DRILL A NEW WELL. or connect to City of Porterville		\$250,000
20	C	500	12	LSID-Strathmore System	5410036-001		SURFACE SOURCE - RAW WATER STORAGE INADEQUATE DURING WINTER MONTHS WHEN CANAL IS OUT OF SERVICE	DESIGN AND INSTALL CANAL STORAGE FACILITES TO INCREASE CAPACITY AND RELIABILITY OF WINTER WATER DELIVERIES. OTHER - DESIGN AND CONSTRUCTION		\$2,500,000
20	C	700	12	RIVER ISLAND SERVICE TERR #1	5400665-002		System's sources violate Nitrate MCL.	Locate, drill, outfit and install new wells.	2005	\$1,706,500
20	C	43,150	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 City needs to construct three new wells and construct hookups to each system with a master meter and a backflow prevention	2005	\$2,100,000
20	P	34	12	CITRUS SOUTH TULE SCHOOL	5400555-001		Exceeds nitrate MCL.	Drill a new well	2002	\$100,000
20	P	250	19	MAPLE SCHOOL WATER SYSTEM	1502175-001		Nitrate concentrations exceed MCL in water from the existing well.	Connect to City of Shafter's potable water system, 3 miles from school.	2004	\$999,200
15	C	100	12	SOULTS MUTUAL WATER	5400805-002		BACTERIOLOGICAL & NO3 > MCL	DEEPEN WELL, RUN WATER CONNECTIONS THROUGH FRONT YARDS. OTHER - DESIGN AND CONSTRUCTION	1998	\$0
15	C	600	14	LAKE MORENA OAK SHORE MW CO.	3700923-001		Nitrate MCL violations.	put in treatment	2000	\$100,280
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	Construct a new well, possibly in a different location.	2000	\$100,000
10	C	13,316	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	\$300,000
10	C	13,316	5	Greenfield, City of	2710008-002			Install a water main to this property to hook up residences to City water.	1998	\$120,000
10	C	26,177	20	Rubidoux Community SD	3310044-004		High nitrate well.	Installation of treatment.	1999	\$0
10	C	52,519	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	\$1,300,000
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	Drill and equip a new well or else install nitrate removal treatment.	2000	\$25,000
5	C	200	16	METTLER VALLEY MUTUAL	1900100-001		Bacteriological contamination-enterobacter. TCt results from June 1999-	Requires the hyperchlorination and/or scrubbing of the tanks and chlorinating the distribution system to eradicate the bacteria.	2001	\$20,000

SRF Category **F**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	\$10,000
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	4,300	19	STALLION SPRINGS CSD	1510025-002		High nitrate (above the MCL) in Cummings Valley Well #1 that was developed to provide potable water to	One option is to tie in pipeline to local Bear Valley CSD; 2nd option is tie in to another well & blend; 3rd option is to install a pipeline to storage tank for blending.	2006	\$1,000,000
0	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
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		\$260,840
0	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-	Ion exchange System	2003	\$150,000
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	50	12	AKIN WATER CO.	5401038-001		Ongoing nitrate contamination; with notification	Connect to city of Porterville to provide water meeting nitrate standard	2006	\$0
0	C	75	5	Union Heights MWC	3500825-001		Well water exceeds the nitrate MCL	Refurbish existing well or replace with new		\$60,000
0	C	108	12	BEVERLY-GRAND MUTUAL WATER	5400651-001		Ongoing viol of nitrate w public notification	Excess nitrate - consolid w Porterville	2006	\$250,000
0	C	132	17	Burchell Road Water	4300567-001		TCR violations due to physical defects with storage reservoir	Reline or replace existing storage tank	2003	\$75,000
0	C	200	5	SPRINGFIELD MWC	2700771-001		Well exceeds nitrate MCL.	We need funds for evaluation, design, and repairs.	1998	\$450,000
0	C	220	19	SAN JOAQUIN ESTATES MUTUAL	1500575-001		Excessive Nitrate Levels in the system	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	\$350,000
0	C	250	12	FAIRWAYS TRACT MUTUAL	5400663-001		BOTH WELLS OVER NITRATE MCL	install nitrate treatment or connect to city of Porterville		\$892,886
0	C	4,474	12	Ivanhoe Public Utility Dist	5410019-002		Nitrate MCL exceeded in Well 1 and Well	Construct new well		\$0
0	C	5,412	17	Montara Water and Sanitary District	4110010-023		Nitrate contamination at Airport Well	IX Treatment to remove nitrate	2005	\$500,000
0	C	19,500	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	P	1,240	6	CAMARILLO AIRPORT	5602505-002		Well 2 exceeds the nitrate MCL. Only standby well in system. System does not have a reliable supply, only one active well.	Install reverse osmosis treatment	2003	\$830,000
0	N	30	9	AILEEN OLSON LABOR CAMP	5700546-001		Nitrate exceeds MCL in water supplied to users.	Deepen well. Involves design and	1998	\$105,000

SRF Category **F**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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Total Projects for 'Category' = F (57 Projects)

Total Costs for Category: **\$29,988,921**

Total Population served in Category: **276287**

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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		\$400,000
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 system	2006	\$1,266,088
45	C	11,847	12	Arvin Community Services Dist	1510001-004		The well serving Edmondson Acres MWC produces Arsenic exceeding revised 10 ug/L MCL, and distribution system is old.	Annex and connect Edmondson Acres MWC water system to Arvin MWC water system and install new distribution system.	2005	\$850,000
45	P	204	19	SOUTH FORK MIDDLE SCHOOL	1503368-001		Uranium above the MCL in the system	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.		\$0
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
35	C	350	12	FOUR SEASONS MOBILE HOME PARK	1600004-001		ARSENIC > MCL. NO BACK-UP SYSTEM. INADEQUATE PRESSURE FIRE	CONSOLIDATE WITH THE CITY OF		\$0
35	C	50,782	21	City of Yuba City	5110002-013		High Arsenic Levels	Extend the Yuba City water main 1 mile in order to serve a MHP	2001	\$0
30	C	41	19	FIRST MUTUAL WATER SYSTEM	1502569-001		Arsenic in source is above MCL.	Consolidate with Rosamond CSD.		\$600,350
30	C	45	19	FOUNTAIN TRAILER PARK WATER	1500461-001		Arsenic above MCL	Connection to North Edwards Water District (System no. 1510052)		\$0
30	C	600	19	NORTH EDWARDS WD	1510052-002		Interconnect Fountain Trailer Park to District to solve arsenic problem	Lay approx. one mile of 8" PVC main and construct storage tank.	2000	\$250,000
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	2006	\$150,000
25	C	35	19	FOURTH STREET WATER SYSTEM	1500449-002		Arsenic in source exceeds MCL.	Install arsenic treatment facility.		\$100,000
25	C	130	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	\$491,071
25	C	150	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 -	1998	\$0
25	C	325	19	CANYON MEADOWS MUTUAL WATER	1500443-001		System well exceeds the new federal arsenic MCL of 10 ug/L.	Purchase and instal arsenic removal treatment system	2006	\$75,000
25	C	350	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	\$910,000
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	2,458	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	\$151,500
25	C	2,793	12	Pixley Public Util Dist	5410009-001		Arsenic levels in Well 1 exceed federal MCL of 10 ppb	Install arsenic treatment		\$956,000

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
25	C	2,793	12	Pixley Public Util Dist	5410009-002		Arsenic levels in Well 2A exceeds the federal MCL of 10 ppb	Install arsenic treatment		\$956,000
25	C	2,793	12	Pixley Public Util Dist	5410009-003		Arsenic levels in Well 3A exceeds the federal MCL of 10 ppb	Install arsenic treatment		\$808,000
25	C	2,793	12	Pixley Public Util Dist	5410009-004		Arsenic levels exceeded in several wells in the District	Study the available technology and recommend the appropriate solution to remove the arsenic in the water supply		\$0
25	C	3,000	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	\$0
25	C	6,229	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	9,837	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	\$2,400,000
25	C	11,847	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	\$2,000,000
25	C	25,150	12	Corcoran, City of	1610004-009		All City wells produce water containing arsenic, with concentrations ranging from 6 to 35 micrograms per liter.	Design and construct an arsenic removal	2005	\$12,760,000
25	P	250	1	Butteville Union School	4700559-001		Distributing water that exceeds action levels for lead and copper.	Installed limestone contactor to reduce corrosion of distribution system. Plan to replace all drinking fountains within the classrooms (4) with lead-free faucets.	1998	\$3,000
25	N	50	12	CAL HOT SPRINGS RESORT	5400513-001		Arsenic above revised allowance limit	Filter system	2004	\$200,000
25	S	24	12	HARDWICK WATER GROUP	1600507-001		Uranium above MCL	Drill a new well and upgrade distribution		\$0
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	180	13	KEELER COMMUNITY SERVICES DISTRICT	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	\$72,270
20	C	181	1	Copco Lake MWC	4700551-001		High aluminum levels exceeding MCL.	Develop a new well source.	1998	\$100,000
20	C	200	19	EL ADOBE POA, INC.	1500493-001		Arsenic levels above MCL	Blending or treatment		\$2,500,000
20	C	265	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	\$15,000
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	\$0
20	C	1,000	11	DEL REY COMMUNITY SERV DIST	1010035-001		DBCP AND URANIUM LEVELS IN TWO SYSTEM WELLS EXCEED THE MCLS.	DRILL TWO NEW PRODUCTION WELLS.	1999	\$0
20	C	1,200	12	Biola Community Services Dist	1010049-001		ONE OF THE SYSTEM'S TWO WELLS IS CONTAMINATED WITH DBCP OVER THE MCL.	CONSTRUCTION OF A NEW WELL AND PIPELINE TO CONNECT IT TO THE SYSTEM.	2000	\$0

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
20	C	1,240	20	Riverside CSA #122-Mesa	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	1,266	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	\$746,490
20	C	1,900	12	Lost Hills Utility District	1510046-002		Well 04 - North has Arsenic at 30 - 50 ppb.	Test, plan, design, and construct coagulation and pressure filtration with appurtances including construction administration.	2003	\$1,900,000
20	C	5,186	3	Lakeport, City of	1710004-002		Lead and copper rule compliance. Exceeded actions level for copper.	Provide pH/corrosion control facilities.	1998	\$50,000
20	C	5,743	12	Firebaugh City	1010005-002		City wells do not meet Federal MCL for arsenic.	Water treatment for arsenic removal.	2005	\$1,000,000
20	C	9,853	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	\$3,500,000
20	C	9,900	12	Exeter, City of	5410003-001		City standby wells are testing higher than normal and getting to closer or above DBCP MCL and nitrates.	DBCP treatments or construct a new well	2001	\$300,000
20	C	11,455	12	Kerman, City of	1010018-001		ONE OF THE CITY'S FOUR WELLS (NO. 11) EXCEEDS THE URANIUM MCL AND THE REMAINING THREE WELLS ARE APPROACHING THE URANIUM MCL.	DEVELOPMENT OF A NEW GROUNDWATER SUPPLY OUTSIDE OF THE CITY AND INSTALLATION OF A TRANSMISSION LINE TO CONVEY THE WATER TO THE CITY.	2001	\$0
20	C	18,369	12	Dinuba, City of	5410002-001		LOW PRESSURE AND SUPPLY DIFFICULTIES DUE TO LOSS OF WELLS TO HIGH NITRATES AND DBCP.	NITRATE REMOVAL AND GAC TREATMENT. COMMUNITY WATER SYSTEM IMPROVEMENTS AND CONSTRUCT A 3 MG RESERVOIR.	2002	\$0
20	C	24,642	12	East Niles CSD	1510006-004		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		\$420,000
20	P	320	12	CENTRAL UNION ELEMENTARY	1600008-001		Arsenic exceeds Federal MCL	Arsenic Treatment or New Source		\$500,000
15	C	0	12	Kern County Water Agency	1510040-002		Compliance with federal Stage 2 DBP Rule (HAA5 MCL)	Reconfigure inlet to the 6.8 MG Oswell Tank to provide improved circulation in the tank.	2000	\$0
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	\$200,000
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.		\$935,664
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	Investigate new well sites, review system operations, determine system needs, prepare construction loan applications.	2000	\$300,000

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
15	C	362	12	CURTIS WATER COMPANY	1600503-001		EXCEEDS MCL FOR URANIUM, LOW WATER PRESSURE, SUBSTANDARD SIZED LINES, INADEQUATE FIRE FLOW CAPABILITY, PORTIONS OF LINES ARE DISINTEGRATING AND DAMAGING COUNTY ROADS, AND CONCERNS REGARDING THE ADEQUACY OF THE ANNULAR SEALS.	CONNECT TO CITY OF HANFORD PUBLIC WATER SYSTEM. OTHER - DESIGN AND CONSTRUCTION	2002	\$0
15	C	380	11	BROADVIEW TERRACE WATER CO	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	\$600,000
15	C	450	13	CSA 70F, MORONGO VALLEY	3600226-002		Well does not meet drinking water standard for uranium	Construct treatment system to remove	2000	\$300,000
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	Reduce fluoride levels by blending with the existing wells that have fluoride levels below the MCL.	2005	\$0
15	C	850	13	BRIDGEPORT PUD	2610003-002		Arsenic level in twowells are high (0.039	Install treatment system to meet future MCL.(2006)	2005	\$0
15	C	2,961	11	HILLVIEW WC-OAKHURST/SIERRA LAKES	2010007-003		See project 01	Planning loan for project 01	1998	\$0
15	C	6,714	11	MADERA VALLEY WATER COMPANY	2010010-001		The system has wells that will exceed the future arsenic MCL of 10 ug/L.	Install arsenic removal treatment facilities and chlorination systems.	2002	\$650,000
15	C	25,500	12	Vaughn WC INC	1510029-002		Arsenic levels range from 12 to 20 ug/L in two existing groundwater wells.	Construct well head treatment for two existing wells.	2005	\$2,000,000
15	C	27,500	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	\$7,500,000
15	C	109,025	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	93	21	Meridian Elementary School	5100141-001		Arsenic over 10 ug/L	Point of Use Treatment		\$80,000
15	P	300	12	ISLAND UNION SCHOOL	1600017-002		Arsenic exceeds the Federal MCL of 10	Arsenic Treatment or New Source		\$0
15	N	90	10	MAZE BLVD MOBILEHOME PARK	5000041-001		Arsenic in well at greater than 10 ppb.	Determine if pumping from different strata could eliminate problem. If not, install	2007	\$100,000
10	C	55	5	DESMOND RD WS #03	2700547-001		Well exceeds chromium and cadmium	Replace well. This would involve study, design, and construction.	2000	\$50,000
10	C	130	11	MD#6 LAKE SHORE PARK	2000550-001		SYSTEM WELLS EXCEED THE URANIUM AND RADIUM MCLS.	CONSTRUCT A SURFACE WATER TREATMENT PLANT TO TREAT WATER FROM BASS LAKE.	1998	\$0
10	C	150	10	BUEHNER WATER SYSTEM	5000313-002		Existing well exceeds radiological MCL	Drill new well that has good water quality to replace existing well.	2006	\$450,000
10	C	198	19	Lands of Promise (CWS)	1500424-002		Arsenic in source water at 13 ug/L.	Install arsenic removal facility.		\$5,000,000
10	C	200	11	MD#7 MARINA VIEW HEIGHTS	2000551-002		SYSTEM WELLS EXCEED THE URANIUM MCL.	CONSTRUCT A SURFACE WATER TREATMENT PLANT TO TREAT WATER FROM BASS LAKE.	1998	\$0

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
10	C	200	11	MD#8 NORTH FORK WATE SYSTEM	2000561-001		Well exceeds the revised arsenic MCL of 10 ppb.	Construct a water treatment plant to remove arsenic.		\$0
10	C	225	11	SIERRA LINDA MUTUAL WATER CO	2000506-001		Main well exceeds the uranium MCL. Also, the system has insufficient source	Drill a new well.	2003	\$30,000
10	C	300	21	PlaVada Community	2910011-001		Wells water exceeds arsenic MCL of 10ppb	Plan, design, and construct arsenic project		\$500,000
10	C	600	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	\$1,070,000
10	C	2,800	11	BASS LAKE WATER COMPANY	2010003-001		The uranium concentration in the School Road Well exceeds the MCL.	Install a treatment system to remove uranium from the well.	2002	\$100,000
10	C	3,900	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	\$1,187,500
10	C	5,000	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	\$0
10	C	14,349	19	ROSAMOND CSD	1510018-005		Well #7 water exceeds MCL for arsenic.	Design and construct arsenic removal treatment system.		\$250,000
10	C	14,349	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	46,315	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	\$15,000,000
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	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		\$150,000
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	\$100,000
5	C	900	20	Fern Valley WD	3310040-001		Exceed Lead and Copper Action Levels.	Treatment on 7 Wells.	2000	\$400,000
5	C	2,001	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		\$663,000
5	C	17,867	15	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	P	300	5	SAN ANTONIO SCHOOL DISTRICT WS	2700727-001		Well exceeds cadmium MCL.	Drill new well and install filter system.		\$0
0	C	25	19	DUNES APARTMENTS WATER SYSTEM	1500442-001		Arsenic in source water about 40 ug/L.	Consolidate with North Edwards WD.		\$300,000
0	C	25	19	BOULDER CANYON WATER ASSOCIATION	1500521-001		Arsenic exceeds MCL in source water.	Add arsenic removal treatment, consolidate with neighboring water system with same		\$150,000

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	25	16	HILLCREST MOBILE HOME PARK	1900827-001		HIGH LEVEL OF ENRICHED URANIUM. DHS TECHNICAL SERVICES UNIT DETERMINED THAT LEVELS ARE HIGH ENOUGH FOR PROBABLE ACUTE HEALTH EFFECTS. SYSTEM IS CURENTLY ON CONTINUAL NOTIFICATION TO CUSTOMERS AND WATER IS HAULED IN.	NEW SUPPLY AND SYSTEM	2000	\$0
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.		\$500,000
0	C	30	19	Quail Valley Water Dist-Westside System	1503226-001		Source water exceeds arsenic MCL.	Drill new well or install treatment.		\$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	2002	\$100,000
0	C	50	19	ROUND MOUNTAIN WATER COMPANY	1500561-001		Uranium in source exceeds MCL	Study/design/construct treatment/blending.		\$100,000
0	C	50	12	HAMBLIN MUTUAL WATER	1600504-001		Arsenic above the Federal MCL of 10 ppb	Interconnect to the City of Hanford		\$0
0	C	66	12	LACEY COURTS MHP	1600010-001		Arsenic exceeds Federal MCL of 10 ppb	Interconnection to the City of Hanford		\$0
0	C	75	19	MOUNTAIN SPRINGS WATER COMPANY	1500540-004		High arsenic in source water, exceeds	Install treatment or consolidate with neighboring utility, if possible.		\$200,000
0	C	80	19	WILLIAM FISHER MEMORIAL WATER COMPANY	1500455-001		Arsenic in source water at 16 ug/L.	Install cartridge type arsenic removal system.		\$0
0	C	87	5	VISTA DEL TORO WS	2700799-002		Arsenic and cadmium over MCL	treatment for Arsenic and cadmium removal		\$175,000
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	\$1,010,394
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	\$0
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	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.		\$944,000
0	C	250	5	LAS CUMBRES MUTUAL WATER CO	4400631-002		Three wells (55% of capacity) have excessive levels of fluoride.	Either (1) install blending controls to mix well and spring water or (2) treat the well water to reduce fluoride levels		\$100,000
0	C	396	5	MANANA WOODS MUTUAL WATER CO	4400539-003		Well is contaminated with MTBE in excess of MCL.	Increase size of aeration towers and GAC	2000	\$250,000
0	C	400	12	ALLENSWORTH C.S.D.	5400544-001		POSITIVE BACT TESTS, LACK OF WATER SOURCE RESULTING IN OUTAGES.	REPLACE WATER DISTRIBUTION SYSTEM, DRILL SECOND WATER WELL	2000	\$111,722
0	C	1,091	12	Alpaugh Joint Powers	5410050-001		Arsenic concentrations exceed federal	Construct treatment plant to remove arsenic from drinking water.		\$1,880,000
0	C	1,505	12	Kettleman City CSD	1610009-005		Two wells exceed the federal arsenic level of 10 ppb.	Install a SWTP to replace the two wells.		\$5,000,000

SRF Category **G**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	1,620	12	Caruthers Comm Serv Dist	1010039-009		Arsenic levels in excess of the MCL in the drinking water for Caruthers Community Service District.	Granular Ferric Hydroxide (GFH) is an adsorption process using ferric-based media to sorb arsenic and other heavy metals from	2003	\$6,469,450
0	C	2,723	12	Richgrove Community Services District	5410024-001		WELL 4 EXCEEDS DBCP MCL	EITHER DRILL NEW WELL OR INSTALL TREATMENT. OTHER - STUDY, DESIGN AND CONSTRUCTION		\$0
0	C	2,870	21	Yuba City Groundwater	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
0	C	3,239	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	2005	\$6,032,000
0	C	4,575	10	Keyes Community Services	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.		\$100,000
0	C	5,232	10	Hughson, City of	5010008-002		well 6 arsenic exceeds 10 ppb	install arsenic treatment at well 6	2007	\$100,000
0	C	7,500	16	LA PUENTE VALLEY CWD	1910060-001		Refinance. 1, 2,-DCA contamination of Wells 2, 3, and 4 caused the District to build a new air stripping facility.	Installed 1500 gpm air stripping tower.	1998	\$627,396
0	C	7,750	18	Sebastopol, City of	4910011-003		Two of the City's four wells have arsenic levels above 10 mg/L	Install Arsenic treatment	2005	\$300,000
0	C	12,427	10	CITY OF LATHROP	3910015-003		Arsenic in existing City wells above new	Design and construct Arsenic treatment for Lathrop wells.	2004	\$10,929,000
0	C	16,205	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	1998	\$809,000
0	C	21,076	12	Lemoore, City of	1610005-001		Arsenic in groundwater above proposed federal MCL (4-15 ug/L)	Arsenic treatment	2002	\$5,792,000
0	C	35,647	7	GSWC - CLAREMONT	1910024-002		Green Well #1, a groundwater production well, produces water with 14-45 ug/L of arsenic, exceeding the new MCL of 10	Installation of an arsenic removal treatment facility.	2005	\$1,750,000
0	C	55,305	7	PARAMOUNT - CITY, WATER DEPT.	1910105-001		Arsenic and manganese	Existing gas chlorination facility will be replaced with a new sodium hypochlorite solution feed system.	2004	\$1,535,000
0	C	107,323	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	C	111,737	8	Mesa Consolidated WD	3010004-034		unable to meet the bromate MCL at the CWTF	install pre-treatment	2003	\$3,000,000
0	P	200	18	Wilson Elementary School	4901136-001		Total coliform bacteria MCL repeatedly exceeded. Well does not meet construction and location standards. Category B problem has been resolved and they now exceed the Arsenic MCL and	Consolidation with the city of Petaluma.		\$379,600
0	P	450	12	KIT CARSON ELEM SCHOOL	1600014-001		Arsenic level averages 37 ppb.	Install a purification system that will reduce arsenic levels to below 10 ppb.	2003	\$849,150
0	P	500	19	LAKESIDE UNION ELEMENTARY SCHOOL	1502154-001		Arsenic in source exceeds MCL.	Design/build arsenic treatment.		\$4,850,000

SRF Category **G**

Bonus	Type	Pop Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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Total Projects for 'Category' = G (128 Projects)

Total Costs for Category: **\$148,591,995**

Total Population served in Category: **917179**

SRF Category **H**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
40	C	220	14	RANCHO ESTATES MUTUAL WATER CO.	3700936-002		Open distribution reservoirs	Cover or filter open distribution reservoirs	2007	\$500,000
25	C	60	13	DARWIN COMMUNITY SERVICES DISTRICT	1400098-003		Low head transmission line	Replace transmission line	1998	\$1,000,000
25	C	380	2	IVCSD - Crescent Mills	3200510-001		Existing storage reservoir has a hypalon-cover. Reservoir needs a structural roof or to be replaced.	Water storage tank, mainline replacement with valves and fire hydrants.	2000	\$0
25	C	1,393	10	C.C.W.D., West Point	0510005-002		See Attached	Construction of two new treated water storage tanks	2002	\$1,750,000
20	C	250	14	YUIMA MUNICIPAL WATER DISTRICT IDA	3700938-001		Three open reservoirs are sources of possible contamination.	Install flating polypropyline covers.	1998	\$194,400
20	C	300	11	MERCED ADULT CORRECTIONAL FACILITY	2400172-001		INTERMITTENT BACTERIOLOGICAL PROBLEMS BELIEVED TO BE CAUSE BY A STORAGE TANK WITH A RUBBER BLADDER.	CONSTRUCT A NEW 100,000 GALLON BOLTED STEEK TANK AND INSTALL AN AUTOMATIC CHLORINATOR.	1998	\$100,000
20	C	1,300	1	McCloud C.S.D.	4710006-001		System has existing 1.25 MG storage tank in distribution that is only allowed to be used for fire emergencies since it is not	Construct a cover over the 1.25 million gallon storage tank so it can be used continuously.	1998	\$1,000,000
20	C	1,300	1	McCloud C.S.D.	4710006-002		Low head transmission main with numerous leaks and vulnerable to damage where pipe is exposed. (Documented in inspection report).	Construct new pipe line and seal spring.	2001	\$2,406,842
20	C	27,500	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	27,500	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	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
15	C	32,500	9	City of West Sacramento	5710003-001		Existing floating cover has many defects. Replace with rigid roof.	Add a rigid cover to the clearwell and keep the floating cover, too.	1998	\$325,000
15	C	32,500	9	City of West Sacramento	5710003-005			Add a rigid cover to the clear well and keep the floating cover.	1998	\$500,000
15	C	94,370	6	SANTA BARBARA WATER DISTRICT	4210010-001		Using uncovered distribution reservoir	Study, design and construct best alternative to eliminate open distribution reservoir.	1998	\$0
10	C	500	5	SAN LUCAS WD	2701676-005		Low head lines.	Design and engineer a pressure system.		\$16,500
10	C	140,000	14	Escondido, City of	3710006-004		Last remaining gravity flume in dist. System approx. 60 years old and has high leak potential which could result in damage to dwellings.	Design and construct pressurized pipeline replacement.	2000	\$0
5	C	76	16	LITTLE BALDY WATER COMPANY	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.	2000	\$1,342,700
5	C	120	9	AUBURN VALLEY COMMUNITY SERVICE DIS	3100011-002		Floating cover on reservoir has deteriorated and must be replaced.	Replace cover. Involves design and	1998	\$40,000
5	C	300	9	Madden Creek Water Company	3110043-001		Old cement storage tank needs to be replaced.	Install new steel tank.	1999	\$47,500

SRF Category **H**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
5	C	9,950	9	Placerville, City of - Main	0910003-001		450,000 gallon treated water reservoir with a floating cover.	Construction of a rigid structure cover or installation of a tank.	1998	\$225,000
5	C	9,950	9	Placerville, City of - Main	0910003-002		750,000 gallon treated water reservoir with a floating cover.	Construction of a rigid structure cover or installation of a tank.	1998	\$325,000
5	C	9,950	9	Placerville, City of - Main	0910003-003		Backwash system is inadequate to clean filters.	Replace tank or install piping and a pump system to backwash from treated water	1998	\$85,000
5	C	9,950	9	Placerville, City of - Main	0910003-004		Water entering the treatment plant is stored in an unlined, uncovered storage pond. The pond holds approx 900,000 gallons of water, providing sedimentation	Install water tank as replacement.	1998	\$462,000
5	C	18,200	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
5	C	18,200	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.	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	18,200	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.	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	80,650	14	Vallecitos WD	3710002-001		Algae taste and odor problems with an open (uncovered) potable water reservoir with sporadic positive total coliforms.	Please see attached	1998	\$28,083,000
5	C	120,000	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 Attachment 2 and 3.	1998	\$15,000,000
5	C	162,586	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	162,586	9	El Dorado ID - Main	0910001-012			(Moose Hall) Replace floating cover with a rigid cover and an adequate bypass. Involves design and construction.	1998	\$600,000
5	C	162,586	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	162,586	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	162,586	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	162,586	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	162,586	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	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	0	15	CASTAIC LAKE WATER AGENCY	1910048-002		CLWA HAS TWO 15-MILLION GALLON CLEARWELLS AT THE RIO VISTA FILTRATION PLANT WITH FLOATING COVERS.	CONSTRUCT NEW CLEARWELLS. THE DESIGN OF THE EXISTING CLEARWELLS WAS SPECIFIC FOR FLOATING COVERS, SO THESE STRUCTURES CANNOT BE MODIFIED TO ACCEPT RIGID COVERS.	1998	\$20,000,000
0	C	0	16	METROPOLITAN WATER 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	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	200	20	ANZA MUTUAL WATER COMPANY	3301180-001		Water Outages.	Distribution System Improvements	2001	\$850,000
0	C	250	20	El Sobrante (ID-F)	3302104-001		Water delivered is not fit for domestic use, due to uncovered and unlined storage reservoirs and an aging distribution	See attached.	1999	\$1,000,000
0	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	\$0
0	C	3,640	9	Meadow Vista County Water	3110009-002		Storage reservoirs have floating covers which apparently are no longer permitted by DHS.	Replace two (2) 2mg reservoirs with welded steel tanks.		\$2,259,000
0	C	3,640	9	Meadow Vista County Water	3110009-004		Water treatment plant has deficiencies that violate SWTR. and Storage reservoirs have floating covers which apparently are no longer permitted by DHS. Planning loan for project 02 and 03.	Planning loan for project 02 and 03.	2000	\$0
0	C	13,500	6	MONTECITO WATER DIST	4210001-002		Using uncovered distribution reservoir.	Cover the existing reservoir or construct a filtration treatment plant to retreat the water supply.	1998	\$6,568,000
0	C	13,500	6	MONTECITO WATER DIST	4210007-002		Uses uncovered distribution reservoir, correction of inlet/outlet.	Construct piping around existing reservoir to provide inlet at back of reservoir, promote circulation of water in reservoir.	1999	\$0
0	C	18,700	6	CARPINTERIA VALLEY WATER DISTRICT	4210001-001		District receives water from an open distribution reservoir. The reservoir is uncovered and does not conform to current standards.	Construct a cover for the open distribution reservoir	1999	\$0
0	C	25,789	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	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
0	C	25,789	16	City of South Pasadena	1910154-006		Water pressure in the mid-western section of the city is extremely low water pressure making the system susceptible to backflow contamination, and impairing health and sanitation on customer	Build a booster pumping station at Grand Reservoir. Project involves: Design, and Construction	1998	\$750,000
0	C	26,314	9	Placer CWA - Auburn/Bowman	3110005-002		Reservoir has flexible floating cover which is defective.	Design and construct steel or concrete 10 mg reservoir.	1999	\$7,000,000

SRF Category **H**

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	26,450	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
0	C	75,000	13	REDLANDS CITY MUD-WATER DIV	3610037-002		Lowhead line leaving SWTP	Construct facilities to maintain constant head in the line	2002	\$0
0	S	25	3	CANNON PARK WATER CO.	2800632-001		Distribution system tank roof failed structurally and had to be removed. Tank now without roof.	Construct new roof on tank.	2002	\$5,000
Total Projects for 'Category' = H (52 Projects)						Total Costs for Category: \$160,584,942		Total Population served in Category: 2028054		

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
30	C	3,200	11	LAKE DON PEDRO C S D	5510008-002		THREE SMALL SURFACE WATER TREATMENT PLANTS HAVE INADEQUATE PRETREATMENT/RELIABILITY FACILITIES AND ARE BARELY ABLE TO MEET THE TURBIDITY PERFORMANCE STANDARDS OF THE SWTR.	CONNECT THE THREE SMALL SYSTEMS TO THE LAKE DON PEDRO CSD, INSTALL A DEEP WATER INTAKE AND EXPAND THE LAKE DON PEDRO PLANT.	1998	\$2,228,199
30	C	5,194	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.		\$15,000,000
25	C	0	20	Cabazon County WD - Jensen Area	3310041-001		We do not always get our turbidity down to 0.1 NTU as the projected goal of the cryptosporidium action plan. Our range is 0.07 to 0.22.	Implement crypto action plan	1998	\$50,000
25	C	570	21	Deer Creek Park Association - Inactive	2910009-001		Existing plant not able to meet proposed standards or the Crypto Action Plan.	Consolidate with Banner System via new pump stations, water mains and storage. Involves design and construction.	1999	\$2,500,000
25	C	650	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	\$20,800
25	C	650	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	1,204	14	SCWC, Niland	1310012-001		Niland System: The water treatment plant fails to consistently meet an effluent turbidity of 0.1 NTU. The plant will not meet the requirements of the proposed ESWTR. The distribution system includes approximately 1350 ft. of water mains	Upgrade treatment plant with pressure contact clarifiers, 0.6 MG of storage, and chemical feed and control enhancements. See feasibility study by Kennedy/Jenks Consultants. Replace undersized mains.	1998	\$2,530,000
25	C	1,204	14	SCWC, Niland	1310012-002		Flocculation and sedimentation problems that cause the combined effluent turbidity to exceed the Cryptosporidium Action Plan goal of 0.1 NTU.	Build new flocculation and sedimentation	2002	\$1,000,000
25	C	1,500	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	2,000	14	Seeley CWD	1310013-001		Insufficient raw water storage, unlined ponds, gaseous cl treatment, storage tank damage, using pressure water filtration vessels, distrib construcion, lack of isolation valves.	Package treatment system, liquid cl treatment, enlarge, lined raw water storage ponds, new distrib lines, replace and new isolation valves, new control building.	2003	\$0
25	C	2,509	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
25	C	3,000	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.		\$1,002,650

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
25	C	4,032	14	SCWC, Calipatria	1310003-001		Calipatria System: The water treatment plant fails to consistently meet an effluent turbidity of 0.1 NTU. The plant will not meet the requirements of the proposed ESWTR. The distribution system includes approximately 1550 ft. of water mains less	Upgrade treatment plant with pressure contact clarifiers, 1.5 MG of storage, and chemical feed and control enhancements. See feasibility study by Kennedy/Jenks Consultants. Replace undersized mains.	1998	\$4,634,000
25	C	9,850	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	1998	\$220,000
25	C	10,724	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	10,724	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	36,000	14	Calexico, City of	1310002-001		See Attached Exhibit A. (Department's last annual inspection report) System has not met the cryptosporidium action	See Attached Exhibit B. (HYA Consulting Engineers preliminary design report)	1998	\$6,400,000
25	C	1,305,73	14	San Diego - City of	3710020-049		Need additional chlorine contact time to adequately meet futureCryptosporidium Action Plan.	Construction of chlorine contact basin and UV.	2007	\$8,000,000
25	P	100	2	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	\$1,500
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	3910006-002		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	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
20	C	50	10	Stockton East Water District	3910006-004		SEDIMENTATION BASINS TOO SMALL TO MEET CRYPTO ACTION PLAN OPTIMIZATION GOAL.	CONSTRUCT ADDITIONAL 2 MG SEDIMENTATION BASIN.	1998	\$3,500,000
20	C	108	12	FELGER FARMS	1009215-001		OLD SURFACE WATER TREATMENT FACILITIES THAT DO NOT MEET THE CALIFORNIA CRYPTOSPORIDIUM ACTION PLAN STANDARDS.	CONSTRUCT NEW SURFACE WATER TREATMENT FACILITIES.	1998	\$18,500

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
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	485	1	Westhaven C.S.D.	1210024-002		Slow sand filter subject to rapid clogging. Barely meeting SWTR standards during periods of high source turbidity.	Roughing filter.	1998	\$35,000
20	C	623	11	TUD-Scenic View/Scenic	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 SHAW'S FLAT PIPELINE TO PHOENIX ROAD.	1999	\$147,000
20	C	1,000	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	1,415	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	\$935,000
20	C	2,000	11	MARIPOSA PUBLIC UTILITY DIST	2210001-003		WATER TREATMENT PLANT IS OPERATING IN EXCESS OF THE ALLOWED MAXIMUM FILTRATION RATE SPECIFIED IN THE SWTR. DISINFECTION SYSTEM MONITORING EQUIPMENT IS NOT RELIABLE, POTENTIAL HIGH THMS. INADEQUATE SLUDGE REMOVAL AND DISPOSAL	UPGRADE OR REPLACE TREATMENT UNIT PROCESSES.	1998	\$1,100,000
20	C	3,441	10	Angels, City of	0510003-002		LACK OF REDUNDANT FILTER	INSTALL ADDITIONAL FILTER.	1999	\$0
15	C	490	3	Pine Mountain Mutual Water	2300591-001		Backwash water from plant filter goes into shallow trench & back to lake with minimal settling time.	Dig a backwash pond system with sufficient detention time.	1998	\$11,000
15	C	3,700	2	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	3,700	2	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	\$125,000
15	C	3,700	3	Brooktrails Township CSD	2310009-001		Clearwell contact time insufficient to achieve required 1/2 log inactivation of giardia cysts. Therefore system now has to disinfect raw water before clarifier to achieve required inactivation. System is doing raw water TOC samples to	Construction of baffled 300,000 gallon	2003	\$400,000

SRF Category I

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
15	C	8,232	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;	2000	\$3,680,332
15	C	44,174	6	SAN LUIS OBISPO WATER DEPARTMENT	4010009-001		Need additional sedimentation basin to comply with Cryptosporidium Action Plan.	Construct additional sedimentation basin at existing water treatment plant	2000	\$2,000,000
15	C	50,001	20	Lake Hemet MWD	3310022-001		The District has prior to 'turn-of-the-century' surface water rights. Existing treatment plant is D-rated due to latest clean water regulations. New water treatment technology will better able us to use surface water diversions and lower	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 turbidity	2003	\$3,500,000
15	C	70,175	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	Design and construction of chemical addition, coagulation, flocculation, sedimentation, filtration, and disinfection surface water treatment facilities and appurtenances.	2002	\$6,200,000
15	C	70,175	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
15	C	94,370	6	SANTA BARBARA WATER DISTRICT	4210010-002		Cater Water Treatment Plant cannot consistently meet the Disinfectant/Disinfection By Products Rule and the Interim Enhanced SWTR requirements.	Redesign filters, chemical handling, filter to waste, sludge handling and decant return systems.	2000	\$0
15	C	103,616	16	AZUSA LIGHT AND WATER	1910007-001		7.5/10 MGD Filtration Plant does not meet requirements of the State Cryptosporidium Action Plan.	Design and construct sedimentation basins to meet optimization goals of 1 to 2 N.T.U. Purchase monitoring equipment.	1998	\$500,000
15	C	109,025	20	Elsinore Valley MWD	3310012-004		Filter to waste piping addition at the Canyon Lake WTP Filters to meet the California Cryptosporidium Action Plan. See attached sheet.	See attached sheet	1998	\$100,000
10	C	0	6	LOPEZ PROJECT	4010022-003		Treatment plant needs upgrades to comply reliably with revised SWTR and Cryptosporidium Action Plan	Study, develop, construct an engineered solution to remedy problem	2002	\$0
10	C	900	9	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	1998	\$200,000
10	C	1,851	10	San Joaquin County - Colonial Heights	3910002-001		TWO OF SYSTEM'S FOUR WELLS TESTED POSITIVE FOR COLIFORM. (SYSTEM IS INTERCONNECTED TO CITY OF STOCKTON SYSTEM)	DRILL NEW WELLS. OTHER = DESIGN AND CONSTRUCTION	1998	\$900,000
10	C	2,500	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	Improve surface wash and filtration system and add appropriate control systems.	2000	\$200,000
10	C	3,200	11	LAKE DON PEDRO C S D	5510008-003		DIRECT FILTRATION PLANT MAY BE UNABLE TO COMPLY WITH THE PROPOSED MICROBIAL TREATMENT STANDARDS.	INSTALL A FLOCCULATION/SEDIMENTATION BASIN.	1999	\$180,000

SRF Category I

Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
10	C	5,237	3	Calistoga, City of	2810002-001		Insufficient mixing of coagulants with raw water from Kimball Reservoir.	Install new flash mixing units with sufficient mixing detention time before clarifier.	1998	\$100,000
10	C	5,237	3	Calistoga, City of	2810002-002		Need improved process control to conform with state's cryptosporidium	Install turbidity monitoring units on backwash water, rinse to waste water and backwash recycle water with alarms to ensure proper water quality.	1998	\$10,000
10	C	140,000	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	Design and construct/repair portions of canal with greatest exposure risk.	1999	\$5,000,000
10	C	454,330	9	City of Sacramento	3410020-023		Sacramento River Water Treatment Plant constructed in 1924 is in dire need of replacement/rehabilitation	Rehabilitate or replace aged infrastructure at the Sacramento River Water Treatment Plant so as to ensure compliance with State and Federal regulations	2001	\$20,000,000
10	C	454,330	9	City of Sacramento	3410020-024		E.A fairbairn WP, constructed in 1964, is in need of rehabilitation	Rehabilitate flocculation, filters, and lime feed facilitates while adding filter-to-waste and CT unit processes	2002	\$10,000,000
10	C	454,330	9	City of Sacramento	3410020-025		American River diversion intake constructed in 1964, does not meet current state and federal fish screening	Modify existing structure to meet regulations	2002	\$6,000,000
10	C	454,330	9	City of Sacramento	3410020-026		Sacramento River diversion intake, construction in 1924, does not meet current state and federal fish screening	Construct new intake facility to serve treatment plant	2001	\$20,000,000
10	C	454,330	9	City of Sacramento	3410020-009		Recycling of filter waste washwater to headworks without treatment.	Provide a flocculation/sedimentation process to remove solids prior to recycle. Involves design and construction.	1998	\$3,000,000
5	C	500	18	Sonoma County Water Agency	4910020-001		Potential violation of Enhanced SWTR regarding pathogen removal.	Design and construct two advanced disinfection (ozone treatment) facilities.	2000	\$12,000,000
5	C	2,911	9	Placer CWA - Colfax	3110006-001		Will not meet new regulations based on California Cryptosporidium Action Plan. Inadequate settling time in backwash	Enlarge backwash basin. Involves study, design and construction.	1999	\$250,000
5	C	7,094	13	MAMMOTH CWD	2610001-001		Inadequate surface water treatment	Construct additional filtration facilities	1998	\$1,000,000
5	C	7,788	19	GOLDEN HILLS CSD	1510045-003		WTP IS INCAPABLE OF PROVIDING WATER WHICH WILL MEET PROPOSED THM STANDARDS	PAY OFF CURRENT LOAN; REFURBISH WATER TREATMENT PLANT. OTHER - DESIGN AND CONSTRUCTION	1998	\$1,750,000
5	C	26,314	9	Placer CWA - Auburn/Bowman	3110005-003		Will not meet new regulations based on California Cryptosporidium Action Plan. Undersized backwash facilities.	Study, design and construct larger backwash facilities.	1999	\$250,000
5	C	26,314	9	Placer CWA - Auburn/Bowman	3110005-004		Will not meet new regulations based on California Cryptosporidium Action Plan. Insufficient coagulation, flocculation. No sludge removal system and deteriorating tube settlers.	Upgrade coagulation point, floc by extending basins and replacing paddles and install auto sludge handling equipment. Replace tube settlers. Involves refinancing, study, design and construction.	1998	\$2,400,000
5	C	67,125	9	Placer CWA - Foothill	3110025-001		Will not meet new regulations based on California Cryptosporidium Action Plan. Inefficient coagulation, flocculation, no sludge removal system, and deteriorating tube settlers.	Upgrade flocculation, extend floc basin and replace paddles. Install automatic sludge handling equipment and replace tube settlers. Involves study, design and construction.	1998	\$2,600,000

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
5	C	67,125	9	Placer CWA - Foothill	3110025-002		Will not meet new regulations based on California Cryptosporidium Action Plan. Does not have an extra filter.	Design and construct one additional filter. Also involves study.	1999	\$550,000
5	C	67,125	9	Placer CWA - Foothill	3110025-003		Will not meet new regulations based on California Cryptosporidium Action Plan. Sludge system is deficient causing excess of filter backwash floc back to the plant in the return water.	Enlarge backwash ponds, improve sludge removal. Involves study, design and construction.	1998	\$1,300,000
5	C	67,125	9	Placer CWA - Foothill	3110025-004		Will not meet new regulations based on California Cryptosporidium Action Plan. Does not have an extra filter.	Design and construct filter.	1999	\$550,000
5	C	162,586	9	El Dorado ID - Main	0910001-018		Existing plant not able to meet proposed standards or the Crypto Action Plan.	Construct additional filter unit to satisfy system demands with reduced loading rates. Involves design and construction.	1998	\$0
5	C	1,305,73	14	San Diego - City of	3710020-011		The Alvarado filtration plant does not meet the cryptosporidium action plan. DHS compliance order items # 26 and 29.	Alvarado water filtration plant expansion and rehabilitation project: reservoir demolition.	1999	\$0
5	C	1,305,73	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	\$12,000,000
5	C	1,305,73	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	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	\$8,000,000
5	C	1,305,73	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	\$35,000,000
0	C	0	16	METROPOLITAN WATER DIST. OF SO. CAL.	1910087-002		Ozonation facilities are needed for Jensen and Mills filtration plants to comply with D/DBP MCLs for THMs. (splitted Jensen plant as project 05-1/7/02)	Design and install ozonation facilities at Jensen and Mills treatment plant. (splitted Jensen plant as project 05-1/7/02)	2000	\$0
0	C	0	16	METROPOLITAN WATER DIST. OF SO. CAL.	1910087-005		Ozonation facilities are needed for Jensen filtration plants to comply with D/DBP MCLs for THMs. (splitted from project 02-	Design and install ozonation facilities at Jensen treatment plant.(splitted from project	1998	\$50,000,000
0	C	0	17	Santa Clara Valley Water	4310027-006		Existing surface water treatment plant needs to be upgraded to comply with crypto action plan.	Replace filter media and install washwater clarification processes at Santa Teresa water treatment plant. Install new filter-to-waste process. (Splitted from proj 05)	2000	\$0
0	C	64	11	MCCLURE BOAT CLUB, INC.	2210905-001		The existing surface water treatment plant is not in conformance with the California Cryptosporidium Action Plan.	Construct a well to replace the existing treated surface water source.	2002	\$150,000
0	C	280	9	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

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	380	2	IVCSD - Crescent Mills	0000265-001		Existing surface water treatment plant currently meets standards but will be unable to meet proposed standards in the Cryptosporidium action plan.	Add additional filter and rehabilitate water	2000	\$1,002,650
0	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
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]		\$10,289,000
0	C	600	4	San Francisco Regional Water System	3810001-053		Treatment to HH to meet Crypto Action	Design and construct ozone facilities for the Hetch Hetchy supply.	1999	\$5,400,000
0	C	600	4	San Francisco Regional Water System	3810001-060		Inadequate back wash facilities at Sunol.	Design and construct improvements to the filters, basing, chemical feed and backwash systems to achieve compliance with the projected Stage 1 DBP regulations and the Crypto Action Plan[Sunol Improvement]	1999	\$20,300,000
0	C	600	4	San Francisco Regional Water System	3810001-061		Inadequate backwash facilities.	Design and construct improvements to the filters, basing, chemical feed and backwash systems to achieve compliance with the projected stage 1 DBP regulation.[Sunol filter		\$6,560,000
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	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		\$215,000
0	C	2,800	4	City of Vallejo-Lakes System	4810007-001		Water treatment Plant does not meet requirements of Crypto Action Plan.	Lenghtening of the east and west sedimentation basins, refurbishing of the existing filters, installation of ammonia equipment, installation of a new ozonation facility and the construction of a new chlorine		\$14,542,060
0	C	5,194	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.		\$1,400,000
0	C	6,306	12	Huron, City of	1010044-001		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
0	C	7,000	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	28,000	4	City of Benicia	4810001-004		Washwater recovery not in compliance with Crypto Action Plan.	Construct backwash water treatment system, including increasing capacity of washwater recovery basins, adding return pumps, a basin overflow, clarifier, and diversion	2000	\$0

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	28,000	4	City of Benicia	4810001-021		Existing contact clarifiers have been rendered unable to comply with the Cryptosporidium Action Plan. Cannot meet the turbidity goal with DHS.	Construct a second flocculation and sedimentation process to more reliably meet DHS regulations and action plans. Possibly modify the existing contact clarifiers to use a redundant process when primary processes are off-line.	2002	\$5,000,000
0	C	28,000	4	City of Benicia	4810001-022		Watere Treatment Plant has only 4 filters, hard to meet the Cryptosporidium action goal levels during high raw turbidity	Construct one or two additional filters to provide redundancy and improve reliability during challenging periods.	2003	\$4,000,000
0	C	38,390	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	40,000	14	Ramona Municipal WD	3710019-001		Water treatment plant needs to be upgraded to meet cryptosporidium action plan and ESWTR. Distribution lines need to be replaced.	Design and construct new pump station, Treatment Plant, and pipelines. Repair and replace tanks.	1998	\$8,000,000
0	C	56,000	18	North Marin Water District	2110003-002		Ability to meet future regulations DBP, ESWTR.	Rehabilitation and reconstruction of WTP	2001	\$0
0	C	75,000	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	\$17,000,000
0	C	78,640	10	Tracy, City of	3910011-001		DIFFICULTY GETTING ADEQUATE DISINFECTION WITH CHLORINE BECAUSE OF TTHM PRODUCTION	INSTALL OZONE SYSTEM. OTHER = STUDY, DESIGN AND CONSTRUCTION	1999	\$4,000,000
0	C	78,640	10	Tracy, City of	3910011-002		DELTA MENDOTA CANAL IS POOR SOURCE OF WATER FOR DOMESTIC USE	CONNECT TO CALIFORNIA AQUEDUCT. OTHER = STUDY, DESIGN AND CONSTRUCTION.	2001	\$0
0	C	84,000	6	GOLETA WATER DISRICT	4210004-011		Filters do not have filter to waste	Design and construct piping for filter to waste.	1998	\$60,000
0	C	84,000	6	GOLETA WATER DISRICT	4210004-012		WTP 27 years old and needs to be rehabed with upgrdaes to treatment process. Add filter to waste and spent backwash treatment. Comply with California Cryptosporidium Action Plan.	Kennedy Jenks will evaluate the treatment plant, develop a program fro upgrades and improvements. This will include preliminary design report in preparation of	2002	\$5,000,000
0	C	109,812	6	VENTURA WATER DEPARTMENT	5610017-001		Treatment Plant needs upgrades to comply with the proposed microbial MCLs, treatment standards and CAP.	Modify the TP to meet enhanced Surface Water Treatment Rule and Best Available Treatment Technologies.	2000	\$0
0	C	145,565	13	SAN GABRIEL VALLEY WC - FONTANA	3610041-019		Treatment plant cannot meet IESWTR and Cryptosporidium Action Plan when treating SWP water	Construct pretreatment facilities	2003	\$10,000,000
0	C	185,000	18	Marin Municipal Water District	2110002-005		Washwater recycle stream improvements.	Construct a backwash water treatment	1999	\$380,000
0	C	198,587	4	Contra Costa Water District	0710003-001		Upgrade a surface water treatment plant with ozone treatment to meet future regulations (e.g. Cryptosporidium Action	PLANT UPGRADE INCORPORATIN INTERMEDIATE OZONE AND OTHER IMPROVEMENTS.	1999	\$0
0	C	198,587	4	Contra Costa Water District	0710003-002			Design and construct a backwash treatment system for the Bollman water treatment plant.	1998	\$3,000,000

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Bonus	Type	Pop	Dist	Water System Name	System No	Proj No	Problem Description	Project Description	Requested	Cost
0	C	198,587	4	Contra Costa Water District	0710003-018		System meets the existing surface water treatment and disinfection regulations, but not the proposed microbial maximum contaminant levels proposed microbial treatment standards, or the California Cryptosporidium Action Plan.	Improvements in the sedimentation and filtration processes. The improvements include; new sedimentation basin, Seismic retrofit, filter media reconfiguration	2001	\$0
0	C	990,000	17	San Jose Water Company	4310011-002		Filter controls are inadequate to comply with crypto action plan.	Replace electro-mechanical filter controls with a programmable logic control system.	1998	\$250,000
0	C	990,000	17	San Jose Water Company	4310011-006		Montevina WTP - backwash water recovery system is inadequate.	Design and construct additional handling facilities with enhanced solids separation.	2002	\$0
0	C	990,000	17	San Jose Water Company	4310011-007		Montevina WTP - filter-to-waste not	Design and construct filter-to-waste facilities, including storage and recovery of wasted filter effluent.	2001	\$0
0	C	1,300,00	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.		\$7,342,000
0	C	1,300,00	4	East Bay MUD	0110005-011		Improvements - Optimization is required to meet Crypto Action Plan.	Install Hypolimnetic Oxygenation system to reduce TOC levels to comply with the ESWTR and Stage 1 DBP Rule.	1999	\$0
0	C	1,300,00	4	East Bay MUD	0110005-021		Upper San Leandro Water Treatment Plant. Reclaim Pump-Variable Frequency Drives. Cryptosporidium Action Plan and the Partnership for Safe Water recommend flexibility in control of supernatant return rate to head of the	Install variable speed drive pumps on the reclaim system to give operators flexibility in control of supernatant return rate to the head	2003	\$3,650,000
0	C	1,300,00	4	East Bay MUD	0110005-022		Sobrante Water Treatment Plant Reclaim Pumps-Variable Frequency Drives. Need to install variable speed frives pumps on reclaim system.	Install variable speed drives pumps on reclaim system to give operators flexibility in control of supernatant return of rate to head of	2002	\$5,820,000
0	C	1,305,73	14	San Diego - City of	3710020-059		new upgrade to meet DBP 2 and	floc/sed basin, modify 16 filters, new backwash system, filter to waste	2006	\$10,000,000
Total Projects for 'Category' = I (113 Projects)						Total Costs for Category: \$430,817,041		Total Population served in Category: 21282019		