

MUNICIPAL WASTEWATER RECLAMATION SURVEY

17-Jul-98

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Alameda County						
Livermore WRP, City of	PS AS F CH 6.25, 5.00	Whlse: Retail: • Las Positas Golf Course • City of Livermore Municipal Airport • Caltrans	Golf course irrigation Landscape irrigation and fire protection Freeway irrigation	332 34 2	105	12/87
Oro Loma/Castro Valley WTP (East Bay Disch. Auth.)	* D 20.00, 12.00	Whlse: Retail: • Skywest Golf Course	Golf course irrigation	160	188	12/87
San Leandro Reclamation Facility (East Bay MUD)	* C F CH 2.00, 0.38	Whlse: None Retail: East Bay MUD • Chuck Corica Golf Complex-Alameda • Harbor Bay Parkway • Port of Oakland	Golf course irrigation Landscape irrigation Landscape irrigation	343 67 15	371-458	12/95
Amador County						
Camanche North Shore WTP	OP 0.03, 0.03	Whlse: Retail: • Camanche North Shore fields (land leased	Pasture irrigation (approx. 15 horses grazed i	34	0	12/87
Mule Creek State Prison WWTP	AS D 0.74, 0.57	Whlse: Retail: • Mule Creek State Prison	Pasture irrigation	35	0	12/87

D-045372

D-045372

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Name	Processes Capacity, Flow (MGD) (MGD)					
Plymouth STP, City of	OP D 0.25, 0.16	Whlse: Retail: • Roy Mason	Pasture irrigation	174	0	12/87
Sutter Creek TP (Amador Reg. San. Auth.)	TF D 0.30, 0.28	Whlse: Retail: • Private Farmer/Cattle Rancher • Calif. Youth Authority, Preston School of I • Various ranchers	Pasture irrigation (250 acres) Toilet flushing, lawn watering, fire protection Pasture irrigation and stockwater	181 120 15	14	12/87
Butte County						
Sewerage Commission-Oroville Region WTP	PS AS F D 6.50, 2.90	Whlse: Retail: • Pacific Oroville Power Inc.	Cooling tower water (co-generation fac.)	61	27	12/87
Springs of Living Water STP	PS OP CH 0.03, 0.02	Whlse: Retail: • Springs of Living Water	Grass irrigation	9	0	12/87
Calaveras County						
Angels WTP, City of	AS D 0.31, 0.20	Whlse: Retail: • City of Angels/Rolleri Family	Pasture irrigation	271	*	12/87
Copper Cove WTP (Calaveras CWD)	OP CH ,	Whlse: Retail: • Individual Rancher	Pasture irrigation	58	0	12/87
La Contenta TP (Calaveras CWD)	OP F CH ,	Whlse: Retail: • La Contenta Golf Club	Golf course irrigation	27	0	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Murphys SD WTP	OP 0.21, 0.13	Whlse: Retail: • Kramer Ranch	Pasture and apple orchard irrigation	88	0	12/87
Contra Costa County						
Mt. View SD WTP	PS TF CH 1.71, 1.54	Whlse: Retail: • Mt. View SD Wetlands Reclamation Proje	Wetlands enhancement	1,768	0	12/87
North Richmond WRP (East Bay MUD)	* C F D 5.20, 1.90	Whlse: None Retail: East Bay MUD • Chevron USA Refinery	Cooling tower make-up water	2,100	649	12/97
Oakley Bethel Island WRF	OP 1.50, 1.20	Whlse: Retail: • Oakley Bethel Island WW Management A • Emerson Dairy Fields	Pasture irrigation Leaching of soil salinity from corn fields after	1,074 270	*	12/87
West County Wastewater District WTP	PS AS D 12.50, 7.00	Whlse: West County Wastewater District Retail: East Bay MUD • Richmond Country Club	Golf course irrigation	150	281	12/95
Del Norte County						
Best Western Ship Ashore Motel STP	OP CH 0.07, 0.03	Whlse: Retail: • Property owned by and adjacent to motel	Pasture irrigation on 20+ acres	34	0	12/87

D-045374

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Name	Processes Capacity, Flow (MGD) (MGD)					
El Dorado County						
Deer Creek WWTP (El Dorado ID)	PS AS F CH 3.00 , 0.70	Whlse: None Retail: El Dorado ID • Serrano Golf Course • Serrano Development	Golf course irrigation Landscape irrigation	157 153	148	5/98
El Dorado Hills WRP (El Dorado Irr Dist)	PS TF OP CH 1.20 , 0.60	Whlse: Retail: • Wetsel-Oviatt Lumber Co. • El Dorado Hills Golf Course	Log deck watering Golf course irrigation	218 86	23	12/87
South Tahoe PUD STP	AS C F CH CA 7.50 , 4.25	Whlse: Retail: • Indian Creek Reservoir	Recreation use	5,085	0	12/87
Fresno County						
Coalinga WTP, City of	PS OP 0.91 , 0.85	Whlse: Retail: • Coalinga School Farm	25 acres alfalfa, 35 acres cotton, 35 acres past	399	27	12/87
Fresno-Clovis Metro. Area Reg. Wastewater Facilities	PS TF AS 60.00 , 46.26	Whlse: Retail: • Fresno Irrigation District • Al Coelho • Cal-Growers Vineyard • Joe Souza • CRS Farming, Fresno • Alvin Quist	Unlimited crop irrigation Grapes and barley irrigation Grapes irrigation Alfalfa and barley irrigation Vineyard irrigation Cotton irrigation	5,831 1,897 1,599 1,584 1,516 1,271	0	12/87
Mendota WTP, City of	OP 0.57 , 0.92	Whlse: Retail: • Floyd Williams	Alfalfa irrigation	522	0	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Orange Cove WTP, City of	PS TF AS OP 0.75, 0.55	Whlse: Retail: • Tagus Ranch	Orange grove irrigation	133	0	12/87
Parlier WTP (West Plant), City of	OP 1.10, 0.45	Whlse: Retail: • City wastewater site • Individual farmer	Vineyard irrigation Tree irrigation and vines	307 31	*	12/87
Selma-Kingsburg-Fowler CSD WTP	AS F D 8.00, 2.36	Whlse: Retail: • Selma-Kingsburg-Fowler CSD • Galen E. Bonjour	Cotton and wheat irrigation Plum orchard irrigation	182 142	0	12/87
Humboldt County						
Arcata WTP, City of	PS OP CH 2.30, 1.80	Whlse: Retail: • Arcata Marsh and Wildlife Sanctuary	Freshwater marsh enhancement	1,669	0	12/87
Ferndale WTP, City of	OP 1.50, 0.23	Whlse: Retail: • Elias P. Sousa	Pasture irrigation (summertime)	97	0	12/87
Imperial County						
Calipatria WTP, City of	OP 0.50, 0.47	Whlse: Retail: • Huffman and Allen Farms	Crop irrigation	172	0	12/87
Inyo County						
Bishop WWTF, City of	PS OP 1.60, 0.71	Whlse: Retail: • Farmer	Pasture (approx. 125 acres) irrigation	398	*	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Eastern Sierra Comm Serv Dist STP	PS OP 0.85, 0.67	Whlse: Retail: • Jim Tatum	Pasture irrigation	574	0	12/87
Furnace Creek Inn/Ranch STP	AS 0.20, 0.16	Whlse: Retail: • Furnace Creek Golf Club	Golf course irrigation	84	0	12/87
Kern County						
Arvin CSD WTP	AS 0.80, 0.72	Whlse: Retail: • Duncan Farms	Alfalfa, cotton irrigation	807	0	12/87
Bakersfield WTP No. 2, City of	PS OP 19.00, 16.30	Whlse: None Retail: City of Bakersfield • City farm site/Garone Farms	Fiber, fodder, and grain crop irrigation	18,260	*	12/97
Bakersfield WTP No. 3, City of	PS TF 12.00, 10.40	Whlse: None Retail: City of Bakersfield • VCI Farms • American Yeast	Fodder, fiber and grain crop irrigation Hay irrigation	11,386 276	(27) - 0	12/97
Bear Valley Comm Serv Dist STP	AS F D 0.10, 0.05	Whlse: Retail: • Bear Valley Golf Course	Golf course irrigation	33	218	12/87
Delano WTP, City of	PS TF 3.60, 2.72	Whlse: Retail: • Molica Farms	Cotton and grain irrigation	3,052	0	12/87
Kern County Sheriff's Lerdo Facility STP	OP 0.50, 0.26	Whlse: Retail: • Kern County Sheriff's Lerdo Facility	Pasture land, corn alfalfa hay (all for livestock)	336	0	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Lamont PUD WTP	PS OP 1.20 , 1.00	Whlse: Retail: • Kaiser Bros.	Pasture irrigation	1,105	0	12/87
McFarland STP, City of	OP 0.50 , 0.50	Whlse: Retail: • Local farmer	Cotton, alfalfa irrigation	560	0	12/87
Mount Vernon San Dist (Kern Cnty Public Works)	PS TF 6.60 , 3.80	Whlse: Retail: • Individual farmer	Cotton, wheat, corn irrigation	4,247	*	12/87
North of River SD WTP	PS TF 4.00 , 3.20	Whlse: Retail: • Gene Johnson (individual farmer)	Cotton and alfalfa irrigation	3,584	0	12/87
Ridgecrest (City of), NWC China Lake, Consol. WTP	PS OP CH 4.40 , 3.90	Whlse: Retail: • China Lake Golf Course	Golf course irrigation	595	0	12/87
Stallion Springs Comm Serv Dist WTP	AS 0.50 , 0.02	Whlse: Retail: • Horse Thief Golf and Country Club	Golf course irrigation (rough areas only)	18	0	12/87
Taft Heights/Ford City SD Joint WTF (City of Taft)	OP D 1.20 , 0.80	Whlse: Retail: • Creekside Farms	Alfalfa irrigation	430	0	12/87
Wasco PUD WTP	PS TF OP 1.95 , 1.40	Whlse: Retail: • Crettol Farms	Cotton, sugar beets, alfalfa irrigation	1,488	*	12/87

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Kings County						
Hanford WTP, City of	PS TF D 6.00, 3.60	Whlse: Retail: • Sanchez Bros. Farming	Cotton, alfalfa, misc. row crops irrigation	3,793	3	12/87
Lemoore WTP, City of	OP 2.00, 2.00	Whlse: Retail: • West Lake Farms	Non-edible crops irrigation	2,240	2	12/87
Lake County						
Lakeport WTP, City of	PS TF D 0.57, 0.50	Whlse: Retail: • B. Jones	Pasture Irrigation	562	*	12/87
Northwest Regional WTF (Lake Cnty San Dist)	AS D 2.10, 1.63	Whlse: Retail: • Gerald Beeson	Pasture irrigation	1,826	*	12/87
Southeast Regional WTP (Lake Cnty San Dist)	AS CH 1.49, 0.80	Whlse: Retail: • Russ Rustici	Pasture irrigation	989	*	12/87
Lassen County						
California Correctional Center STP-Susanville	OP 0.68, 0.50	Whlse: Retail: • California Correctional Center	Alfalfa irrigation	276	0	12/87
Los Angeles County						
Antelope Valley Tertiary TP (CSD of Los Angeles Cnty)	* C F CH 0.60, 0.11	Whlse: None Retail: CSD of Los Angeles Cnty • Apollo Lakes County Park	Maintain recreational ponds, park irrigation	127	915	6/97

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Burbank WRP, City of	PS AS C F D 9.00, 8.00	Whlse: None Retail: City of Burbank • Burbank Public Service Dept • De Bell Golf Course • Stough Landfill • Media Center • Muir Middle School • McCambridge Park • Freeway: I 5	Powerplant cooling tower water Golf course irrigation Landscape irrigation Miscellaneous landscape irrigation School yard irrigation Park irrigation Freeway landscape irrigation	497 372 115 24 17 16 4	548	12/97
Camps Afflerbaugh and Paige STP, (LA Cnty Probation Dept)	AS CH 0.05, 0.01	Whlse: County of Los Angeles Retail: City of La Verne • Marshall Canyon Golf Course • Marshall Canyon Tree Farm	Golf course irrigation Tree farm irrigation	13 2	Unk	12/94
Camps Miller and Kilpatrick STP, (LA Cnty Probation Dept)	AS OP CH 0.05, 0.02	Whlse: None Retail: None • Camp landscape	Landscape irrigation	11	0	12/94
Donald C. Tillman WRP (City of Los Angeles)	AS C F CH DC 40.00, 35.00	Whlse: None Retail: City of Los Angeles • Lake Balboa • Sepulveda Basin Wildlife Lake • Japanese Garden Lake • Cemeteries-2 sites • MCA Inc. • Lakeside Golf Course	Recreational lake Wildlife refuge Recreational lake and landscaping Cemetery irrigation Miscellaneous landscape irrigation Golf course irrigation	15,904 7,616 4,480 649 208 93	Unk	12/95
La Cañada WRP (CSD of Los Angeles Cnty)	PS AS D 0.20, 0.11	Whlse: None Retail: CSD of Los Angeles Cnty • La Cañada-Flintridge Country Club	Golf course irrigation and impoundments	125	0	6/97

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Lancaster WRP (CSD of Los Angeles Cnty)	PS OP CH 16.00 , 10.00	Whlse: None Retail: CSD of Los Angeles Cnty • Piute Pond, Edwards AFB • Nebeker Ranch	Wildlife refuge Alfalfa irrigation	6,450 3,830	0-5	6/97
Long Beach WRP (CSD of Los Angeles Cnty)	PS AS C F D 25.00 , 19.24	Whlse: CSD of Los Angeles Cnty Retail: Long Beach Wtr Dept • THUMS project • Various parks, athletic fields-18 sites • Lakewood Golf Course • Virginia Country Club • Skylinks Golf Course • El Dorado Park Golf Course • Recreation Park Golf Course • Cemeteries-2 sites • Various schools, colleges-7 sites • Recreation Park 9-Hole Course • Heartwell Golf Course • Freeway:I 605; I 405-3 sites • Plant nurseries-2 sites • Miscellaneous sites-3 sites	Repressurization of oil-bearing strata Parks, playgrounds, athletic field irrigation Golf course irrigation Golf course irrigation Golf course irrigation Golf course irrigation Golf course irrigation Cemetery irrigation School yard irrigation Golf course irrigation Golf course irrigation Freeway landscape irrigation Nursery irrigation Miscellaneous landscape irrigation	1,721 1,293 361 358 267 263 254 225 217 90 75 65 26 13	379	6/97
Los Angeles-Glendale WRP (City of Los Angeles)	AS C F CH DC 20.00 , 20.00	Whlse: Retail: • Harding Municipal Golf Course • Wilson Municipal Golf Course • Griffith Park-Park Center • Caltrans	Golf course irrigation Golf course irrigation Landscape irrigation Freeway irrigation (served by Los Angeles an	399 184 145 5	191	12/87

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Los Coyotes WRP (CSD of Los Angeles Cnty)	PS AS C F CH 37.50, 34.43	Whlse: See notes Retail: See notes • Various parks, athletic fields-51 sites • Various schools, colleges-54 sites • Tuftex Carpet Mill • Various commercial and public-36 sites • Freeway landscape-15 sites • Various greenbelts, streetscapes-21 sites • Rio Hondo Country Club • Plant nurseries-14 sites • Iron-Wood Nine Golf Course • Bellflower Golf and Tennis Center • Ford Park Golf Course • Compton Par 3 Golf Course • Concrete Ready-Mixed-2 sites • Various cemeteries-2 sites • My Hoa Farm • B&B Stables • Alta Produce	Parks, playgrounds, athletic field irrigation School yard irrigation Process water for carpet dyeing Miscellaneous landscape irrigation Freeway landscape irrigation Landscape irrigation Golf course irrigation Nursery plant irrigation Golf course irrigation and impoundment Golf course irrigation Golf course irrigation Golf course irrigation Concrete mix, washdown Cemetery landscape irrigation Vegetable crop irrigation Dust control Vegetable crop irrigation	1,612 1,420 679 526 449 353 236 209 91 54 52 37 31 26 18 7 3	82-414	6/97
Palmdale WRP (CSD of Los Angeles Cnty)	PS OP 15.00, 7.22	Whlse: None Retail: CSD of Los Angeles Cnty • Eastgrove Chestnut Orchard, Dept of Airp • Eastgrove Pistachio Orchard, Dept of Airp • Anthony Baal • Los Angeles Cnty Dept. of Airports • James Harris	Chestnut orchard irrigation Pistachio orchard irrigation Christmas tree and nursery plant irrigation Barley irrigation Chestnut orchard irrigation	29 25 17 11 7	0	6/97
Phosphate Removal Plant (City of Glendale)	* C F 11.80, 0.26	Whlse: Retail: • Grayson Power Plant	Cooling towers	352	0	12/87

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Pomona WRP (CSD of Los Angeles Cnty)	PS AS C F CH 13.00, 12.16	Whlse: See notes Retail: See notes • Smurfit Newsprint • Cal Poly, Pomona-Kellogg • Bonelli Reg Cnty Park, Mtn Mdw GC • Simpson Paper Company • Spadra Landfill • Various commercial and public-35 sites • Various greenbelts, streetscapes-14 sites • Various schools-14 sites • Various parks-11 sites • Diamond Bar Golf Course • Queen of Heaven Cemetery • Spadra Gas-to-Energy Plant • Freeway: I 10; Rt 57; Rt 71-4 sites • Camacho strawberry farm • Cal Poly Landlab • Sunshine Growers	Paper manufacturing Misc agricultural and landscape irrigation Landscape and golf course irrigation Paper manufacturing Landscape irrigation, dust control Miscellaneous landscape irrigation Landscape irrigation School yard, athletic field irrigation Parks, playgrounds irrigation Golf course irrigation and impoundment Landscape irrigation Cooling tower make-up Freeway landscape irrigation Strawberry irrigation Agriculture and landscape irrigation Nursery plant irrigation	4,393 1,508 1,048 604 393 329 324 297 293 179 105 63 57 16 15 4	79-533	6/97
Pt. Dume Club WRP	AS C F CH 0.07, 0.06	Whlse: Retail: • Pt. Dume Club Mobile Home Park	Landscape irrigation (6 acres)	46	0	12/87
San Jose Creek WRP (CSD of Los Angeles Cnty)	PS AS C F CH 100.00, 81.69	Whlse: See notes Retail: See notes • Rio Hondo Spreading Grounds • Industry Hills Recreation and Conference • California Country Club • San Gabriel Coastal Spreading Grounds • Various parks-4 sites • Various schools-6 sites • Freeway: I 605-1 site • Wildflower field • Arbor Nursery • Sorenson Library	Groundwater recharge by spreading Golf course irrigation, impoundments, equest Golf course irrigation and impoundment Groundwater recharge by spreading Park landscape irrigation School yard irrigation Freeway landscape irrigation Irrigation Nursery stock irrigation Miscellaneous landscape irrigation	36,828 1,136 487 185 114 104 46 12 6 1	15-257	6/97

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Tapia WRP (Las Virgenes MWD)	PS AS C F CH 8.00 , 6.40	Whlse: Retail: • 112 Landscape areas • 10 Landscape users • Rancho Las Virgenes (Tapia WRF) • Calabasa Landfill • Calabasas Golf and Country Club • Malibu Valley Farms • Central Valley Calabasas • Lake Lindero Country Club • 2 Miscellaneous users • Woodland Construction (DMD) • Caltrans • Westlake Car Wash (Shato Holdin Co.)	Parks, medians, commercial and other landsc 2 Parks, 7 schools, and university irrigation Miscellaneous agricultural irrigation Irrigation, dust control, compaction Golf course irrigation Horse pasture irrigation Landscape irrigation and construction Golf course irrigation Fire breaks and suppressions irrigation Landscape irrigation and construction Freeway irrigation Landscape irrigation	2,091 571 497 368 331 153 123 92 92 61 12 9	176-365	12/87
Top O Topanga Mobile Home Estates STP	AS CH 0.04 , 0.02	Whlse: Retail: • Top O Topanga Mobile Home Estates	Landscape irrigation	25	0	12/87
West Basin WRP - RO System (West Basin MWD)	* C F RO CH 7.50 , 7.50	Whlse: See notes Retail: See notes • West Coast Basin Barrier Project	Groundwater injection for intrusion barrier	6,971	430	12/97
West Basin WRP - Title 22 System (West Basin MWD)	* C F CH 15.00 , 8.00	Whlse: See notes Retail: See notes • Mobil Refinery • Chevron Refinery • Various parks, athletic fields-24 sites • Cemetery-1 site • Various commercial and public-9 sites • Various schools-23 sites • Freeway:I 105; I 405-12 sites • The Lakes at El Segundo • Various greenbelts, streetscapes-7 sites	Cooling tower make-up water Cooling tower make-up water Parks, playgrounds, athletic field irrigation Cemetery irrigation Miscellaneous landscape irrigation School yard irrigation Freeway landscape irrigation Golf course irrigation Landscape irrigation	3,964 2,504 406 397 248 242 73 68 30	321-884	12/96

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Whittier Narrows WRP (CSD of Los Angeles Cnty)	PS AS C F CH 15.00, 8.77	Whlse: See notes Retail: See notes • Rio Hondo Spreading Grounds • San Gabriel Coastal Spreading Grounds • F. L. Norman's Nursery	Groundwater recharge Groundwater recharge Nursery stock irrigation	6,936 2,552 47	7-257	6/97
Madera County						
Chowchilla WTP, City of	AS 1.80, 1.18	Whlse: Retail: • Pete Cornaggia (Farmer)	Cotton irrigation	43	0	12/87
Madera WTP, City of	PS TF OP 7.00, 3.76	Whlse: Retail: • Jim Armentrout	Cotton irrigation	4,228	0	12/87
Wildwood Mobile Home Park STP	AS 0.02, 0.01	Whlse: Retail: • Wildwood Mobile Home Park	Pasture irrigation	11	0	12/87
Marin County						
Ignacio TP (Novato SD)	PS TF F D 2.00, 1.61	Whlse: Retail: • Novato SD Reclamation Project	Pasture irrigation	767	0	12/87

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Las Gallinas Valley Recycling Plant (Marin MWD)	* C F CH 2.00, 0.79	Whlse: None Retail: Marin MWD • Various commercial and public-118 sites • Various greenbelts-44 sites • McInnis Park Golf Center • Various schools-8 sites • Various parks, athletic fields-12 sites • Various restroom facilities-5 sites • Mt. Olivet Cemetery • Various freeway sites-4 sites • Various cooling towers-2 sites • Various car wash facilities-2 sites • Nazareth House laundry facility	Miscellaneous landscape irrigation Landscape irrigation Golf course irrigation School yard irrigation Parks, playgrounds, athletic field irrigation Toilet flushing Cemetery irrigation Freeway landscape irrigation Cooling tower make-up water Car washing Laundry water (0.1 ac-ft)	303 274 116 66 66 20 16 11 8 6 0	540	12/97
Las Gallinas Valley SD WTP	PS TF F CH 2.90, 2.60	Whlse: Retail: • Individual Rancher	Pasture irrigation	377	*	12/87
Novato TP (Novato SD)	PS AS F D 4.50, 3.12	Whlse: Retail: • Novato SD Reclamation Project	Pasture irrigation	1,455	0	12/87
Tomas WWTP (North Marin WD)	OP F 0.04, 0.02	Whlse: Retail: • A. Lodi	Pasture irrigation	20	20	12/87
Trestle Glen TP (Richardson Bay SD)	* TF OP D 0.12, 0.05	Whlse: Retail: • Town of Tirubon (McKegney Greens)	Landscape irrigation	24	514	12/87

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Mendocino County						
Westport CWD TP	OP CH 0.02, 0.01	Whlse: Retail: • Westport County Water District	Pasture irrigation	12	0	12/87
Willits WQCP, City of	AS D 1.30, 0.86	Whlse: Retail: • City of Willits Effluent Disposal Site • Hoguestadt Ranch	Irrigation of grazing & haying fields Grazing land	276 71	0	12/87
Merced County						
Los Banos WTP, City of	OP 2.50, 2.00	Whlse: Retail: • City of Los Banos WTP	Pasture irrigation	278	0	12/87
Merced WTF, City of	PS AS CH 10.00, 7.29	Whlse: Retail: • Wetland/wildlife area	Wetland/wildlife (300-400 acres) enhance	1,008	0	12/87
Mono County						
Mammoth CWD STP	PS AS F CH 2.20, 1.50	Whlse: Retail: • Various contractors • Town of Mammoth Lakes	Dust control and compaction Hwy. landscape irrigation	8 2	0	12/87
Monterey County						
Carmel Valley CSD	RB C F D 0.10, 0.04	Whlse: Retail: • Carmel Valley Ranch and Golf Course	Golf course irrigation	39	0	12/87

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Napa County						
Dunaweal WTP (City of Calistoga)	PS OP C F CH 0.80, 0.62	Whlse: Retail: • Mt. St. Helena Golf Course and Napa Cnty • Maxfield Property • Fox Property • Calistoga High School • Calistoga Soaring Center • Little League Field	Golf course irrigation Horse pasture Horse pasture Landscape irrigation Landscape irrigation Landscape irrigation	178 64 60 17 6 0	0	12/87
Meadowood Resort Hotel STP	AS F CH ,	Whlse: Retail: • Meadowood Resort Hotel	Golf course irrigation	22	0	12/87
Pacific Union College STP	PS TF AS OP 0.20, 0.19	Whlse: Retail: • Pacific Union College	Fodder irrigation	214	0	12/87
Suscol WTF (Napa SD)	PS OP D 15.40, 7.00	Whlse: Retail: • Chamberlain Farms (230 AC) • Kirkland Cattle Company • Napa County Airport (160+ Acres)	Feed and fodder crops - irrigated pasture Pasture irrigation Alfalfa irrigation	792 211 122	0	12/87
Yountville/CA Veterans Home Joint WTF	PS TF C F D 2.00, 0.43	Whlse: Retail: • Chimney Rock Golf Course • Veterans Home Hay Field	Golf course irrigation Hay fields	153 104	0	12/87
Nevada County						
Lake of the Pines WTP (Nevada CSD No.1)	OP C F CH DC 0.41, 0.29	Whlse: Retail: • Lake of the Pines WWTP	Pasture irrigation	169	0	12/87

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Name	Processes Capacity, Flow (MGD) (MGD)					
Orange County						
Coastal STP (South Coast WD)	* C F CH 4.20, 0.93	Whlse: See notes Retail: See notes • Various greenbelts, streetscapes-54 sites • Monarch Beach Golf Links • Various parks-8 sites • Aliso Creek Inn and Golf Course • Dana Hills High School	Landscape irrigation Golf course irrigation Landscape irrigation Golf course irrigation Landscape irrigation	503 276 75 61 26	706	6/95
El Toro WD WTP	PS AS CH 6.00, 5.00	Whlse: None Retail: El Toro WD • Laguna Hills Golf Club • PCM Nursery	Golf course irrigation Nursery plant irrigation	281 15	375	6/95
Green Acres TP (Orange County Water District)	* C F CH 6.34, 5.40	Whlse: See notes Retail: See notes • Various parks, athletic fields-10 sites • Chroma System/Monterey Carpets • Mile Square Golf Course • Home Ranch • Freeway: I 405; Rt 55-3 sites • Various schools, college-2 sites • Miscellaneous sites-6 sites • Mt. Olive Memorial Park • Various greenbelts, streetscapes-4 sites	Parks, playgrounds, athletic field irrigation Process water for carpet dyeing Golf course irrigation Lima bean irrigation Freeway landscape irrigation School yard irrigation Miscellaneous landscape irrigation Cemetery irrigation Landscape irrigation	700 207 168 114 108 91 72 46 35	330-498	12/96
Joint Regional TP (Moulton Niguel WD)	* C F CH 2.40, 0.41	Whlse: None Retail: Moulton Niguel WD • El Niguel Country Club • Various parks-5 sites • Various greenbelts, streetscapes-7 sites	Golf course irrigation Landscape irrigation Landscape irrigation	261 183 19	453	6/95

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Michelson WRP (Irvine Ranch WD)	PS AS C F CH 17.00, 7.50	Whlse: None Retail: Irvine Ranch WD • Various landscape-1500 sites • Pelican Hill Golf Club • Agricultural irrigation-5 sites • Various schools, college-33 sites • Tustin Ranch Golf Club • Rancho San Joaquin Golf Course • Agricultural irrigation-4 sites • Freeway landscape-14 sites • Various restroom facilities-4 sites	Landscape irrigation Golf course irrigation Irrigation of food crops School yard irrigation Golf course irrigation Golf course irrigation Irrigation of nursery crops Freeway landscape irrigation Toilet flushing	6,127 616 425 403 296 234 71 48 16	253	6/95
Muirlands WRP (Los Alisos WD)	OP C F CH 5.50, 0.92	Whlse: None Retail: Los Alisos WD • Various commercial and public-124 sites • V.P. Baker Ranch • El Toro Materials • Saddleback Valley Unif Schl Dist- 1 site • El Toro Memorial Park	Landscape irrigation Irrigation of oranges, avocados, and nursery p Rinse water for sand and gravel School yard irrigation Cemetery irrigation	629 348 31 15 10	200	6/95
Oso Creek WRP (Santa Margarita WD)	TF AS C F CH 2.00, 0.62	Whlse: Retail: • 1 school, 80 other sites (parks, greenbelts, • Casta del Sol Golf Course • Caltrans • Herrmann/Jensen Nursery	Landscape irrigation Golf course irrigation Freeway irrigation Nursery container stock irrigation	393 125 120 53	492	12/87
Plant 3A WRP (Moulton Niguel WD)	P AS C F CH 2.40, 1.90	Whlse: None Retail: Moulton Niguel WD • Mission Viejo Country Club • Saddleback College • Various greenbelts, streetscapes-7 sites • Various parks, athletic fields-2 sites • Freeway: I5, Corridor - 2 sites • Miscellaneous landscaping-2 sites	Golf course irrigation Landscape irrigation Landscape irrigation Parks, playgrounds, athletic field irrigation Freeway landscape irrigation Landscape irrigation	419 213 82 38 26 2	418-453	12/96

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Robinson Ranch WRP (Trabuco Canyon WD)	AS C F CH 0.85, 0.70	Whlse: None Retail: Trabuco Canyon WD • Dove Canyon Country Club	Golf course irrigation	700	550	6/96
San Clemente WRP, City of	PS AS C F CH 2.20, 0.40	Whlse: None Retail: City of San Clemente • Pacific Golf Club • San Clemente Municipal Golf Course	Golf course Irrigation Golf course irrigation	323 10	501	6/95
Water Factory 21 (Orange County WD)	* C F CA RO 10.00, 2.35	Whlse: None Retail: None • Orange County Water District	Groundwater injection for intrusion barrier	2,638	*	12/95
Placer County						
Lincoln WRP, City of	OP CH 0.80, 0.60	Whlse: Retail: • Charles Joiner	Construction dust control, pasture irrigation	338	0	12/87
Placer Cnty Serv Area #6-Sheridan (Public Works)	OP 0.04, 0.04	Whlse: Retail: • Bud Morrison	Pasture irrigation	34	0	12/87
Plumas County						
Quincy Comm Serv Dist WTP	RB OP CH DC 2.20, 0.75	Whlse: Retail: • Gene Drybread	Fodder and pasture irrigation	359	2	12/87
Riverside County						
Corona WTP, City of	PS AS CH 5.50, 6.13	Whlse: Retail: • Farmer	Alfalfa irrigation	307	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Desert Water Agency WRF	* C F CH 10.00, 2.42	Whlse: City of Palm Springs Retail: Desert Water Agency • Palm Springs Municipal Golf Course • Mesquite Country Club • Demuth Park	Golf course irrigation Golf course irrigation Park, athletic field irrigation	1,783 484 408	148	12/95
Hemet/San Jacinto Reg. WRF (Eastern MWD)	PS AS CH 7.50, 7.30	Whlse: Retail: • Record Farms • Westra Ranch • Buena Vida Farms • C&R Farms • Matson Dairy • Eberly Ranch • Taber Duck Club • Alta Nursery	Alfalfa irrigation Duck ponds/alfalfa irrigation Duck ponds/alfalfa irrigation Alfalfa irrigation Alfalfa irrigation Alfalfa irrigation Duck ponds Nursery plant irrigation	1,231 850 841 638 374 298 98 98	16	12/87
Indian Hills WRP (Jurupa Comm Serv Dist)	AS C F CH 0.80, 0.64	Whlse: Retail: • Indian Hills Golf Course • Santa Ana River Lakes • Villa De Anza Retirement Hotel	Golf course irrigation Groundwater recharge Landscape irrigation pond	540 18 6	0	12/87
March Air Force Base STP	PS TF OP CH 1.20, 0.45	Whlse: Retail: • General Old Golf Course • VA National Cemetery	Golf course irrigation Landscape irrigation	313 190	0	12/87
Palm Desert Cntry Clb WRP #9 (Coachella Valley WD)	AS CH 0.45, 0.40	Whlse: Retail: • Palm Desert Country Club	Golf Course irrigation	384	*	12/87

D-045392

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Palm Desert WRP #10 (Coachella Valley WD)	AS C F CH 10.00, 6.02	Whlse: Retail: • Palm Desert Greens • Santa Rosa Country Club • Portola Country Club	Golf course & greenbelt irrigation Golf course & greenbelt irrigation Golf course & greenbelt irrigation	346 324 144	33	12/87
Perris Valley Reg. WRF (Eastern MWD)	PS AS 1.00, 0.80	Whlse: Retail: • C & C Farms	Alfalfa irrigation	218	13	12/87
Railroad Canyon WRP (Elsinore Valley MWD)	PS AS CH 0.75, 0.63	Whlse: Retail: • Canyon Lake Country Club	Golf course irrigation	364	0	12/87
Rancho California Reg. WRF (Eastern MWD)	PS AS NR CH 2.00, 1.25	Whlse: Retail: • Quality Turf	Sod irrigation	700	(45)-13	12/87
Sun City WRF (Eastern MWD)	PS AS C F CH 2.00, 0.90	Whlse: Retail: • Cherry Hills Golf Club • North Golf Course	Golf Course irrigation Golf course irrigation	298 157	20	12/87
Sunnymead Reg. WRF (Eastern MWD)	PS AS 7.00, 6.60	Whlse: Retail: • Craig Smith (Farmer) • Herman Smith (Farmer) • Roy Smith (Farmer) • A & G Sod Farms, Inc. • Larry Smith (Farmer)	Alfalfa irrigation Alfalfa irrigation Alfalfa irrigation Sod irrigation Alfalfa irrigation	1,777 1,666 414 322 107	(45)-5	12/87
Valley SD WTF	PS TF AS OP 12.10, 3.50	Whlse: Retail: • Valley SD	Grazing irrigation	2,234	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Sacramento County						
Galt WTP, City of	OP CH 0.84, 0.71	Whlse: Retail: • Galt, City of WWTP	Pasture irrigation	483	0	12/87
Rancho Murieta CSD WRP	OP DF C F CH 1.50, 0.40	Whlse: Retail: • Rancho Murieta Country Club	Golf course irrigation	169	0	12/87
San Bernardino County						
Barstow WRF, City of	PS AS CH 4.50, 2.60	Whlse: Retail: • City of Barstow	Alfalfa irrigation	2,240	0	12/87
Big Bear Area Regional Wastewater Agency STP	AS 3.20, 2.50	Whlse: Retail: • Individual user	Alfalfa irrigation	2,762	*	12/87
Calif Institution for Men-Chino (Dept of Corrections)	OP 0.50, 0.30	Whlse: Retail: • California Institute for Men	Farm irrigation	789	0	12/87
Chino Basin MWD Regional Plant No. 1	AS C F CH DC 32.00, 29.20	Whlse: Retail: • Prado Regional Park • Ontario National Golf Course • Prado Regional Park and El Prado Golf Co	Landscape irrigation and recreational lakes Golf course irrigation Landscape and golf course irrigation	829 580 295	33-57	12/87
Cleghorn WTP (Crestline San Dist)	AS CH 0.20, 0.02	Whlse: Retail: • Las Flores Ranch LTD	Sudan grass irrigation	28	0	12/87

D-045394

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Houston Creek TP (Crestline San Dist)	PS TF CH 0.75 , 0.34	Whlse: Retail: • Las Flores Ranch LTD	Sudan grass irrigation	362	0	12/87
Imp Zone B STP-Helendale (San Bernardino CSA 70)	PS AS CH 0.25 , 0.20	Whlse: Retail: • County Service Area 70, Imp. Zone B, TP	Landscape irrigation	224	0	12/87
Kaiser Steel Resources, Inc. STP	PS TF 0.50 , 0.15	Whlse: Retail: • California Steel Industries	Steel plant cooling water	173	0	12/87
National Training Center STP, Fort Irwin	PS OP CH 1.10 , 0.85	Whlse: Retail: • National Training Center, Fort Irwin	Alfalfa irrigation	915	0	12/87
Pilot Rock Cons. Camp STP (CA Dept of Forestry)	AS 0.01 , 0.01	Whlse: Retail: • Las Flores Ranch LTD	Sudan grass irrigation	9	0	12/87
San Bernardino WRP, City of	PS AS C F CH 3.00 , 1.87	Whlse: Retail: • San Bernardino Golf Club • Caltrans	Golf course irrigation Freeway irrigation	89 62	17-204	12/87
Seeley Creek TP (Crestline San Dist)	PS TF CH 0.50 , 0.23	Whlse: Retail: • Las Flores Ranch LTD.	Sudan grass irrigation	202	0	12/87
Upland Hills Country Club WRP (City of Upland)	PS TF C F CH 0.20 , 0.16	Whlse: Retail: • Upland Hills Country Club	Golf course irrigation	173	104	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
USMC Air Ground Combat Center STP-Twenty-nine Palms	PS OP 7.00, 1.94	Whlse: Retail: • USMC Air Ground Combat Center • Combat Center Golf Course	Landscape irrigation Golf course irrigation	1,335 445	0	12/87
Western Hills Golf & Country Club WTP	AS CH , 0.02	Whlse: Retail: • Western Hills Golf and Country Club	Golf course irrigation	21	0	12/87
Willow Creek WTP (Lake Arrowhead Comm Serv Dist)	PS AS CH 1.70, 1.34	Whlse: Retail: • Lake Arrowhead Comm Serv Dist-Reclam	Alfalfa irrigation	1,473	0	12/87
San Diego County						
Fallbrook PUD WTP # 1	PS AS C F CH 3.10, 1.56	Whlse: Retail: • Plant and flower nurseries-6 sites • Camp Pendleton • Freeway: I5 • Fallbrook High School	Nursery plant and flower irrigation Landscape irrigation Freeway irrigation Landscape irrigation	437 85 60 36	407	12/96
Gafner WTP (Leucadia CWD)	P TF C F CH 0.75, 0.75	Whlse: Leucadia CWD Retail: Carlsbad MWD • La Costa Resort and Spa	Golf course irrigation	182	732	12/97
Meadowlark WRF (Vallecitos WD)	RB C F CH 2.00, 2.00	Whlse: Vallecitos WD Retail: Carlsbad MWD • La Costa Resort and Spa • Various greenbelts, streetscapes-41 sites • Various parks-3 sites • Miscellaneous sites-16 sites • Carlsbad Unified School District • Various flower fields-2 sites	Golf course irrigation Landscape irrigation Parks, playgrounds irrigation Miscellaneous landscape irrigation School yard, athletic field irrigation Flower irrigation	621 616 54 53 44 23	741	12/96

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Ralph W. Chapman WRF (Otay WD)	P A S C F C H 1.30, 0.78	Whlse: None Retail: Otay WD • Eastlake Country Club • Various greenbelts, streetscapes-32 sites • Various schools-2 sites • Various parks-2 sites	Golf course irrigation Landscape irrigation School yard, athletic field irrigation Parks, playgrounds irrigation	515 224 55 28	680	12/96
San Diego Wild Animal Park STP	AS 0.04, 0.01	Whlse: Retail: • San Diego Wild Animal Park	Landscape irrigation	14	0	12/87
San Pasqual Academy WTP	RB F C H 0.50, 0.50	Whlse: Retail: • San Pasqual Academy	Irrigation of corn, alfalfa, sudan grass, eucaly	448	0	12/87
San Vicente WTP (Ramona MWD)	AS F R O 0.38, 0.31	Whlse: Retail: • Solk Ranch	Avocado irrigation	350	20	12/87
Santa Maria WTP (Ramona MWD)	AS 0.60, 0.52	Whlse: Retail: • Ramona Municipal WD	Pasture irrigation	583	*	12/87
Santee WRF (Padre Dam MWD)	PS AS OP C F C H 4.00, 1.00	Whlse: Retail: • Santee Lakes Regional Park and Campgro	Recreational lakes	1,120	0	12/87
Sewage Disposal Plant #2 (Camp Pendleton)	PS TF AS F C H 1.30, 0.50	Whlse: Retail: • Marine Memorial Golf Course	Golf course irrigation	690	0	12/87

D-045397

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Viejas WPCF-Alpine(Cnty of San Diego)	0.03 , 0.03	Whlse: Retail: • Descanso Camp	Fire break, landscape irrigation	34	0	12/87
Whispering Palms WPCF	AS CH 0.30 , 0.09	Whlse: Retail: • Del Rayo Racing Stables	Pasture irrigation	17	*	12/87
San Joaquin County						
Lockeford Comm Serv Dist WTP	OP 0.20 , 0.18	Whlse: Retail: • Individual farmer	Pasture irrigation	28	0	12/87
Manteca WQCF, City of	PS TF AS CH 5.50 , 3.50	Whlse: Retail: • Tony Dutra	Animal feed & fodder irrigation	3,437	*	12/87
White Slough WPCF (City of Lodi)	PS AS CH DC 6.20 , 5.90	Whlse: Retail: • 2 tenant farmers	Alfalfa, corn, and pasture irrigation	2,661	0	12/87
San Luis Obispo County						
Atascadero CSD STP	OP 1.40 , 0.97	Whlse: Retail: • Chalk Mountain Golf Course	Golf course irrigation	338	53	12/87
Black Lake WTP (San Luis Obispo CSA 1-G)	OP D 0.10 , 0.01	Whlse: Retail: • Black Lake Golf Course	Golf course irrigation	11	Unk	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
California Men's Colony STP (Calif Dept Corrections)	TF C F CH DC 2.00, 0.95	Whlse: Retail: • Cal. Poly State University	Pasture irrigation	215	0	12/87
Cambria Comm Serv Dist STP	AS CH 1.00, 0.48	Whlse: Retail: • Cambria Comm Serv Dist facility	Fodder feed for a contracted cattle operation	533	0	12/87
Rancho Colina STP	AS 0.35, 0.01	Whlse: Retail: • Rancho Colina	Pasture irrigation	11	0	12/87
San Luis Obispo WWTP, City of	PS TF OP CH DC 5.20, 4.50	Whlse: Retail: • Rancher	Pasture irrigation	31	0	12/87
Santa Barbara County						
Cachuma SD WTP	AS OP 0.22, 0.03	Whlse: Retail: • Cachuma Trail's	Pasture irrigation (horses)	1	0	12/87
El Estero WRF (City of Santa Barbara-tertiary only)	PS AS C F CH 4.30, 0.67	Whlse: Retail: City of Santa Barbara • Santa Barbara Golf Club • Various parks, athletic fields-16 sites • Montecito Country Club • Santa Barbara City College • Miscellaneous sites-9 sites • Various schools-6 sites • Freeway:US 101-2 sites • Santa Barbara Zoological Gardens • Earl Warren Showgrounds • Palm Park restroom facilities-2 sites	Golf course irrigation Parks, athletic field irrigation Golf course irrigation Landscape irrigation, toilet flushing Miscellaneous landscape irrigation School yard irrigation Freeway landscape irrigation Landscape irrigation, zoo utility water Landscape irrigation, dust control Toilet flushing	183 145 143 75 74 62 41 19 5 4	575	12/97

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Goleta SD STP	PS AS C F 3.30, 0.12	Whlse: Goleta SD Retail: Goleta WD • Glen Annie Golf Course • Sandpiper Golf Course • UC Santa Barbara • Various schools-3 sites • Various commercial and public-2 sites • Franciso Torres Dormitory • Goleta Beach County Park	Golf course irrigation Golf course irrigation Campus landscape irrigation School yard, athletic field irrigation Landscape irrigation Landscape irrigation Park landscape irrigation	311 289 154 129 29 15 10	241-758	12/97
Guadalupe WTP, City of	PS OP 0.50, 0.36	Whlse: Retail: • Charles A. Pasquini	Pasture irrigation	363	0	12/87
Laguna CSD STP	PS TF OP 3.20, 2.00	Whlse: Retail: • Farmer	Irrigation of pasture, fodder crops, and sugar	2,190	(34)	12/87
Mission Hills Comm Serv Dist STP	OP 0.40, 0.23	Whlse: Retail: • Mission Bell Dairy	Irrigation of animal feed	4	0	12/87
Santa Maria WTP, City of	PS TF OP 7.80, 5.58	Whlse: Retail: • WTP pasture	Flood irrigation of pasture	1,875	0	12/87
Solvang WTP, City of	AS D 1.00, 0.68	Whlse: Retail: • Gardner Ranch	Pasture irrigation	37	0	12/87
U.S. Penitentiary STP - Lompoc	PS OP 0.68, 0.38	Whlse: Retail: • U.S. Penitentiary at Lompoc	Corn Irrigation (cattle feed)	424	0	12/87

D-045400

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Santa Clara County						
Gilroy and Morgan Hill STP, Cities of	OP CH 6.10, 5.00	Whlse: Retail: • Mario Fiorio • Hoey Christmas Tree Farm • Christmas Hill Park	Flower and vegetable seeds Christmas trees Landscape irrigation	31 31 9	20	12/87
San Jose/Santa Clara Water Pollution Control Plant	AS C F CH DC 167.00, 120.00	Whlse: None Retail: City of Santa Clara • Santa Clara Golf and Tennis Club • Miscellaneous landscape-3 sites • Marie DeBartolo Training Facility • Lick Mill Park • City of Santa Clara landfill	Golf course irrigation Landscape irrigation Landscape irrigation Park landscape irrigation Dust control, compaction	220 46 16 15 1	342	12/94
Sunnyvale Water Pollution Plant, City of	OP NR C F CH 29.50, 15.00	Whlse: None Retail: City of Sunnyvale • Sunnyvale Municipal Golf Course • Baylands Park	Golf course irrigation Landscape irrigation	200 67	0	12/96
Shasta County						
Shasta College WTP	OP ,	Whlse: Retail: • Shasta College	Alfalfa irrigation	6	0	12/87
Shasta Dam Area PUD STP	AS CH 0.70, 0.65	Whlse: Retail: • Wayne Gardner • Sierra Pacific Lumber	Pasture irrigation Wash down log decks	215 31	15	12/87

D-045401

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Sierra County						
Loyalton WTP, City of	PS OP 0.24, 0.32	Whlse: Retail: • Individual farmer	Hay irrigation	358	0	12/87
Siskiyou County						
Montague STP, City of	OP 0.23, 0.08	Whlse: Retail: • Meamber Ranch	Grazing, grass hay & alfalfa irrigation	116	0	12/87
Weed WQCF, City of - Shastina System	OP 0.25, 0.17	Whlse: Retail: • Willard Caldwell Ranch	Flood pasture irrigation	122	0	12/87
Weed WQCF, City of - Weed System	PS TF OP 0.38, 0.21	Whlse: Retail: • Roger Zwanziger	Alfalfa irrigation	153	0	12/87
Solano County						
Fairfield-Suisun Subregional WTP	F A S C F C H D 17.50, 12.00	Whlse: Retail: • Warren's Turf Nursery • Suisun Marsh Hunting Preserve	Sod farming Maintenance of hunting marsh	2,240 172	5	12/87
Sonoma County						
Bodega Bay PUD STP	A S F D 0.38, 0.17	Whlse: Retail: • Bodega Harbour Golf Links	Golf course irrigation	155	*	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Forestville CSD WTP (Sonoma Cnty Dept Public Works)	OP CH 0.10, 0.05	Whlse: Retail: • Marino Crinella (Owner)	Pasture irrigation	23	0	12/87
Laguna TP (City of Santa Rosa)	PS AS C F CH D 18.00, 15.00	Whlse: Retail: • Various agricultural and urban sites • Gallo Wineries	Agricultural and landscape irrigation Vineyard irrigation	11,416 307	0-370	12/97
Oakmont WTP (City of Santa Rosa)	PS AS F CH 0.67, 0.50	Whlse: None Retail: City of Santa Rosa • Oakmont Golf Club	Golf course irrigation	141	0	12/97
Occidental CSD WTP (Sonoma Cnty Public Works)	OP CH 0.03, 0.02	Whlse: Retail: • Graham's Pasture	Pasture irrigation	12	0	12/87
Petaluma STP, City of	TF AS OP CH DC 5.20, 4.20	Whlse: Retail: • 7 farmers	Pasture, feed crops, trees	1,366	7	12/87
Russian River CSD STP (Sonoma Cnty Public Works)	AS F CH 0.50, 0.31	Whlse: Retail: • Northwood Golf Course	Golf course irrigation	54	0	12/87
Sonoma Cnty Serv Area #31 STP (Sonoma Cnty PW)	OP CH 0.30, 0.27	Whlse: Retail: • County Service Area #31 (Cnty Airport)	Fodder crop irrigation	108	0	12/87
Sonoma Valley CSD STP (Sonoma Cnty Public Works)	AS CH DC 3.00, 2.70	Whlse: Retail: • Mitch Mulas	Pasture and fodder irrigation	153	0	12/87

D-045403

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Windsor WD STP	OP D 1.00, 0.65	Whlse: Retail: • District Disposal Field • Landmark Vineyards	Sheep Grazing (irrigation) Frost protection & irrigation	552 61	0	12/87
Stanislaus County						
Ceres WTF, City of	PS OP F CH 1.80, 1.80	Whlse: Retail: • Individual Farmer • City of Ceres	Silage irrigation Landscape irrigation	263 92	0	12/87
Modesto WQCF, City of	PS TF OP CH 25.00, 23.99	Whlse: Retail: • Modesto Water Control Facility-Secondary	Fodder crops (corn, alfalfa, clover) irrigation	14,390	0	12/87
Patterson WTP, City of	AS 1.00, 0.45	Whlse: Retail: • Tony Gill	Pasture irrigation	135	0	12/87
Tehama County						
Red Bluff WRP, City of	PS AS F CH 2.30, 1.30	Whlse: Retail: • Freeway Landscaping I-5 R24.4/R25.4	Freeway irrigation	110	35	12/87
Tulare County						
Cutler-Orosi Joint Powers Wastewater Authority STP	PS TF AS CH 1.47, 1.20	Whlse: Retail: • Alta Growers Inc. (Jerry Halford) • Effluent Disposal Facility	Grapes, vines, peaches and eucalyptus irrigati Winter wheat irrigation	683 669	0	12/87

D-045404

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Dinuba WTP, City of	PS TF OP 3.00 , 1.50	Whlse: Retail: • Dinuba, City of	Alfalfa irrigation	1,534	0	12/87
Exeter WTP, City of	OP CH 1.20 , 0.70	Whlse: Retail: • Jay Peterson	Plum irrigation	30	0	12/87
Ivanhoe PUD STP	OP 0.56 , 0.35	Whlse: Retail: • Ivanhoe PUD	Pasture irrigation (30 ac. leased for cattle graz	343	0	12/87
Porterville WTF, City of	AS 8.00 , 3.50	Whlse: Retail: • Individual farmer	Alfalfa, cotton, barley, wheat, and fruit tree i	1,918	2	12/87
Strathmore PUD WTP	PS OP 0.40 , 0.29	Whlse: Retail: • Wastewater Treatment Plant	Citrus, eucalyptus trees and pasture irrigation	46	0	12/87
Tulare WPCF, City of	PS TF OP 4.70 , 5.58	Whlse: Retail: • Clarklind Farms	Cotton, corn and wheat irrigation	6,248	0	12/87
Visalia Water Conservation Plant, City of	PS TF AS CH 12.50 , 9.80	Whlse: Retail: • Mill Creek irrigation area	Non-food crop irrigation (forage/fiber)	4,861	0	12/87
Woodlake WTF, City of	OP 0.91 , 0.55	Whlse: Retail: • City of Woodlake	Pasture irrigation	621	0	12/87

D-045405

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
Tuolumne County						
Groveland Comm Serv Dist WTF	AS CH 0.40, 0.14	Whlse: Retail: • Pine Mountain Lake Country Club	Golf course irrigation	57	21	12/87
Jamestown SD WTP (Tuolumne Regional WD)	PS TF CH 0.28, 0.15	Whlse: Retail: • See Sonora Regional WTP	Pasture, forage and fiber crop irrigation	186	0	12/87
Sierra Conservation Center STP (CA Dept. Corrections)	AS OP CH 0.50, 0.42	Whlse: Retail: • Joe Martin	Pasture irrigation (40 acres)	470	0	12/87
Sonora Regional WTP (Tuolumne Regional WD)	PS TF OP CH 2.60, 1.20	Whlse: Retail: • 33 users vic., Jamestown, CA	Pasture, forage, fiber crop irrigation	1,232	0	12/87
Tuolumne City SD WTP	PS AS OP 0.34, 0.07	Whlse: Retail: • Baker Ranch	Pasture irrigation	101	0	12/87
Ventura County						
Camarillo SD WTP	PS AS CH 6.00, 3.80	Whlse: Retail: • Smith Ranch	Irrigation of processed crops	1,648	0	12/87
Camrosa WTP (Ventura Regional SD)	PS TF OP CH 1.50, 1.00	Whlse: Retail: • Camarillo State Hospital • Farmer	Corn, lettuce, celery, broccoli, cauliflower, fu Lettuce, corn, celery, peppers, broccoli, furro	307 276	0	12/87

D-045406

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					
San Buenaventura (Ventura) STP, City of	F A S C F C H D 14.00 , 10.50	Whlse: Retail: • Olivas Park Golf Course • Buenaventura Golf Course (100 acres) • Ventura Port District • Marina Park (14 acres)	Golf course irrigation Golf course irrigation Landscape irrigation Landscape irrigation	514 232 9 6	72	12/87
Santa Paula WRF (Ventura Regional SD)	P S T F F C H 2.55 , 2.00	Whlse: Retail: • Manuel Escalante	Citrus irrigation (May thru October)	117	0	12/87
Santa Susana Field Lab STP (Rocketdyne-Rockwell)	A S F 0.11 , 0.02	Whlse: Retail: • Santa Susana Field Laboratory	Cooling water for rocket flame buckets	23	0	12/87
Yuba County						
Sewage TP, Facility 8935 (Beale AFB)	P S T F O P C H 5.00 , 0.85	Whlse: Retail: • Beale AFB Golf Course Facility 2242	Golf course irrigation	159	0	12/87

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					

TOTAL ANNUAL WATER REUSE: 355,007 Acre-Feet

Approximate Number of Use Sites: 3,150

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					

Notes:

1. General: This survey does not contain all water reclamation projects operating in California. As information becomes available, it will be entered into the database. Readers are encouraged to contact the Office of Water Recycling with any information on missing projects or incorrect information presented. At this time, there is no record of use of reclaimed water in the following counties: Alpine, Colusa, Glenn, Mariposa, Modoc, San Benito, San Francisco, San Mateo, Santa Cruz, Sutter, Trinity, and Yolo.
2. The primary source of information for most projects is a survey questionnaire from the Office of Water Recycling and filled out by local agencies. However, other sources of information may be used if considered reliable. Examples would be documentation contained in loan application files, descriptions set forth in waste discharge permits, quantities contained in monitoring reports submitted to Regional Water Quality Control Boards, special reports published by agencies (e.g. Los Angeles County Sanitation Districts' Annual Status Report on Reclaimed Water Use), notes based on discussions with agency staff, etc.
3. Name: The treatment plant name as reported by the agency is generally used. If the owning agency or reclaimed water purveyor is not apparent from the plant name, it is shown in parentheses following. Occasionally for reference a plant location is appended after the plant name and a hyphen. "STP" is appended to a proper name unless another generic plant type was designated. Refer to attachment for list of abbreviations.
4. Processes: All processes available for treatment are shown. In some cases some processes are used only for discharge or for some users. " * " designates that secondary or other treatment has been provided at another wastewater treatment plant. Refer to attachment for list of abbreviations.
5. Capacity and Flow: Average dry weather flow, in million gallons per day. Refer to attachment for conversion tables. "Unk" designates that amounts are unknown.
6. Annual Water Reuse: All amounts have been converted from million gallons to acre-feet (AF) and are rounded to the nearest whole amount. Users of less than 1.0 AF may be dropped. Refer to attachment for conversion tables. In-plant use and non-reclaimed blending or supplemental water amounts are not counted.
7. Water Price: Positive amounts shown indicate the retail amount paid by the user for the reclaimed water. Parentheses designate negative amounts to indicate the amount the user is paid to take the reclaimed water. The amount shown applies to all listed users for the treatment plant unless otherwise indicated by showing a range of amounts. Ranges shown with both negative and positive limits indicate that users pay for reclaimed water in summer and are paid the amount shown in parentheses to take the reclaimed water in winter. An equivalent unit price per acre-foot of reclaimed water has been calculated where appropriate from charges per month, year, or acre of irrigated land. An asterisk designates cases where the monies exchanged cover additional services or costs, such as land rental, and the value of the reclaimed water cannot be determined. "Unk" designates that no information is available.
8. Ending Period: The date shown indicates the last month of a 12 month period for which data are presented.
9. Reclaimed water is blended with other sources of water at some treatment plants. The reasons for blending may be for water quality improvement, augmenting supply capacity in order to meet long term peak demands, or to utilize less expensive sources of water such as intermittent surface runoff. The treatment plants which have been identified as using blending are Michelson WRP, Muirlands WRP, Oso Creek WRP, and Water Factory 21 (Orange County); Pomona WRP and West Basin WRP - RO System (Los Angeles County, Walnut Valley WD); and El Estero WRF (Santa Barbara County). The annual use shown reflects only the amount that is reclaimed water.
10. Wholesale and Retail Agency information (reclaimed water):

LOS ANGELES COUNTY

Los Coyotes WRP

- a. Los Angeles County Sanitation District delivers retail water to City of Bellflower retail customer.
- b. City of Cerritos has a retail distribution system and provides a wholesale connection to City of Lakewood.

c. City of Lakewood has a retail distribution system.

Treatment Plant		Wholesale Agencies Involved Retail Agencies Involved • Reclaimed Water User	Type of Use	Annual Use (AF)	Water Price (\$/AF)	Ending Period
Name	Processes Capacity, Flow (MGD) (MGD)					

- c. City of Lakewood has a retail distribution system.
- d. Central Basin MWD has a distribution system and provides wholesale water to retail agencies at the user meters. The retail agencies are: Cities of Downey, South Gate, Lynwood, Norwalk, Paramount, and Santa Fe Springs; and Bellflower-Somerset, Park, Peerless, and Southern California Water Companies.

Pomona WRP

- a. City of Pomona has a retail distribution system and also provides a wholesale connection to Walnut Valley Water District.
- b. Walnut Valley Water District has a retail distribution system and also provides wholesale water to Rowland Water District at the user meters.

San Jose Creek WRP

- a. Los Angeles County Sanitation District delivers water to Water Replenishment District of Southern California.
- b. Los Angeles County Sanitation District delivers retail water to the California Country Club.
- c. City of Industry has a retail distribution system.
- d. Los Angeles County Sanitation District delivers wholesale water to a retail agency at the user meter. The retail agency is the San Gabriel Valley Water Company.
- e. Central Basin MWD has a distribution system and provides wholesale water to retail agencies at the user meters. The retail agencies are: Cities of Huntington Park, Whittier, and Santa Fe Springs; and the San Gabriel Valley Water Company.

Whittier Narrows WRP

- a. Los Angeles County Sanitation District delivers water to Water Replenishment District of Southern California.
- b. Los Angeles County Sanitation District delivers wholesale water to a retail agency at the user meter. The retail agency is the San Gabriel Valley Water Company.

West Basin WRP - Title 22 System

- a. West Basin MWD obtains secondary effluent from the City of Los Angeles' Hyperion STP and provides tertiary treatment.
- b. West Basin MWD has a distribution system and provides wholesale water to retail agencies at the user meters. The retail agencies are: Cities of Hawthorne, Inglewood, Torrance, El Segundo, and Manhattan Beach; and the California Water Service and Southern California Water Companies.

West Basin WRP - RO System

- a. West Basin MWD obtains secondary effluent from the City of Los Angeles' Hyperion STP and provides tertiary treatment, including reverse osmosis.
- b. West Basin MWD blends treated effluent with imported freshwater and sells the product to the Water Replenishment District of Southern California.
- c. The blended product water is delivered to the West Coast Basin Barrier Project which is owned and operated by the Los Angeles County Department of Public Works.

ORANGE COUNTY

Green Acres TP

- a. Orange County Water District delivers wholesale water to retail agencies at the retail customer meter. The retail agencies are the Cities of Fountain Valley and Santa Ana and the Mesa Consolidated Water District.

Coastal WRP

- a. South Coast WD has a retail distribution system and also provides a wholesale connection to Moulton Niguel WD.

D-045410
D-045410