

**Table F-4 2010 Update
Recycled Water Projections**

EXISTING RECYCLED PROJECTS AND PROPOSED EXPANSIONS (VERIFIABLE)

Purveyor	Supply Source Treatment Plant/Agency	Treatment Level	Type of Reuse ¹	Projected Verifiable Reuse (AF/YR) ²					
				2010	2015	2020	2025	2030	2035
Carlsbad MWD	Carlsbad WRF/Carlsbad MWD	Tertiary	Landscape, Agriculture	1,324	2,707	3,264	3,264	3,264	3,264
	Gafner WRF/Leucadia CWD	Tertiary	Landscape, Agriculture	269	247	247	247	247	247
	Meadowlark WRF/Vallecitos WD	Tertiary	Landscape, Agriculture	2,188	2,188	2,989	2,989	2,989	2,989
	Mahr Reservoir/Vallecitos WD	N/A ³	Landscape, Agriculture	154					
Sub-total				3,935	5,142	6,500	6,500	6,500	6,500
Del Mar, City of	San Elijo WRF/San Elijo JPA	Tertiary	Landscape	73	90	100	125	150	150
Escondido, City of	Hale Avenue RRF/WRF/City of Escondido	Tertiary	Landscape, Agriculture, Industrial/DPR	413	1,500	3,000	4,000	4,000	4,000
Fallbrook PUD	Fallbrook Plant #1/Fallbrook PUD	Tertiary	Landscape, Agriculture	543	543	543	543	543	543
Oceanside, City of	San Luis Rey WWTP/City of Oceanside	Tertiary	Landscape	119	550	1,500	1,500	1,500	1,500
Olivenhain MWD	4S Ranch WRF/Olivenhain MWD	Tertiary	Landscape	895	900	900	900	900	900
	Connection #1-North City Water Reclamation Plant/City of San Diego	Tertiary	Golf Course Irrigation/HOAs	785	400	400	400	400	400
	Connection #2-North City Water Reclamation Plant/City of San Diego	Tertiary	Golf Course Irrigation/HOAs	1	800	800	800	800	800
	Santa Fe Valley WRF/Rancho Santa Fe CSD	Tertiary	Landscape, Golf Course Irrigation	105	100	100	100	100	100
	Northwest Quadrant /Meadowlark WRF/Vallecitos WD	Tertiary	Landscape	580	1,000	1,000	1,000	1,000	1,000
Sub-total				2,366	3,200	3,200	3,200	3,200	3,200
Otay WD	R. W. Chapman WRF/Otay WD	Tertiary	Landscape	1,033	1,100	1,100	1,100	1,100	1,100
	South Bay WRP/City of SD	Tertiary	Landscape	2,752	3,300	3,900	4,700	5,700	6,900
Sub-total				3,785	4,400	5,000	5,800	6,800	8,000
Padre Dam MWD	Padre Dam WRF (Existing) /Padre Dam MWD	Tertiary	Replenishment of Santee Lakes	1,120	1,120	1,120	1,120	1,120	1,120
	Padre Dam WRF (Existing) /Padre Dam MWD	Tertiary	Landscape (Existing Distribution System)	896	896	896	896	896	896
Sub-total				2,016	2,016	2,016	2,016	2,016	2,016
Camp Pendleton Marine Corps Base	South WWTPs/USMC	Tertiary	Landscape, Golf Course, Agriculture	527	3,300	3,400	3,900	4,000	4,000
	Sewage Treatment Plants # 11 & #12/USMC	Secondary	Percolation/Seawater Intrusion Barrier	657					
	North WWTPs/USMC	Tertiary	Landscape/Seawater Intrusion Barrier		800	800	800	800	800
Sub-total				1,184	4,100	4,200	4,700	4,800	4,800
Poway, City of	North City WRP/City of San Diego	Tertiary	Landscape, Agriculture	425	425	425	425	425	425
Ramona MWD	Santa Maria WRP/Ramona MWD	Tertiary	Landscape, Recreational Impound, Development	209	230	230	230	230	230
	San Vicente WRP/Ramona MWD	Tertiary	Landscape (Golf Course), Agriculture (Orchard)	520	585	585	585	585	585
Sub-total				729	815	815	815	815	815
Rincon Del Diablo MWD	Hale Avenue RRF/WRF/City of Escondido	Tertiary	Landscape, Industrial	3,279	5,279	5,779	6,279	6,779	7,279
San Diego, City of	North City WRP/City of San Diego	Tertiary	Landscape, Industrial	6,394	8,353	8,353	8,353	8,353	8,353
	South Bay WRP/City of San Diego	Tertiary	Landscape, Industrial	1,539	900	900	900	900	900
Sub-total				7,933	9,253	9,253	9,253	9,253	9,253
San Dieguito WD	San Elijo WRF/San Elijo JPA	Tertiary	Landscape	590	700	750	800	850	870
Santa Fe ID	San Elijo WRF/San Elijo JPA	Tertiary	Landscape	497	600	600	600	600	600
Valley Center MWD	Woods Valley Ranch WRF/VCMD	Tertiary	Landscape Irrigation/Golf Course Irrigation	44	47	47	47	47	47
Total				27,931	38,660	43,728	46,603	48,278	49,998

ADDITIONAL PLANNED PROJECTS

Purveyor	Supply Source Treatment Plant/Agency	Treatment Level	Type of Reuse ¹							Project Phase
				2010	2015	2020	2025	2030	2035	
Carlsbad MWD	Carlsbad WRF/Carlsbad MWD	Tertiary	Landscape, Agriculture		293	1,293	3,293	3,293	3,293	FS
	Mahr Reservoir/Vallecitos WD	N/A ³	Landscape, Agriculture		154	154	154	154	154	FS
	Sub-total				447	1,447	3,447	3,447	3,447	
Fallbrook PUD	Fallbrook Plant #1/Fallbrook PUD	Tertiary	Landscape, Agriculture	-	68	96	146	196	196	FS
Olivenhain MWD	Northwest Quadrant Phase B/TBD	Tertiary	Landscape			300	300	300	300	FS
	Wanket Reservoir RW Conversion/TBD	Tertiary	Landscape			300	300	300	300	FS
	Joint RW Transmission Project with SFID and OMWD/TBD	Tertiary	Landscape, Golf Course Irrigation			500	500	500	500	Concept
	Sub-total					1,100	1,100	1,100	1,100	
Padre Dam MWD	Padre Dam WRF Ph II Expansion to 10 mgd/Padre Dam MWD	Tertiary/Adv	Landscape, Golf Course Irrig, Industrial, Dust Control - Future				1,343	1,343	1,343	FS
	Padre Dam WRF Ph 1 Expansion to 4.5 mgd /Padre Dam MWD	Tertiary/Adv.	Landscape, Golf Course Irrig, Industrial, Dust Control - Ph 1 Santee Distribution System		1,697	3,489	3,489	3,489	3,489	MND, D
	Sub-total				1,697	3,489	4,832	4,832	4,832	
Poway, City of	North City WRP/City of San Diego	Tertiary	Landscape, Agriculture	125	125	125	225	225	225	FS
San Diego, City of	North City WRP Advanced Water Purification Facility (AWPF)	Tertiary	Indirect Potable Reuse			15,000	15,000	15,000	15,000	FS
Santa Fe ID	Evaluating Multiple Options/TBD	Tertiary	Landscape		200	200	600	600	600	FS
Valley Center MWD	Woods Valley Ranch WRF (Phase 2)	Tertiary	Landscape Irrigation/Golf Course		-	30	59	59	59	FS
Total				125	2,537	21,487	25,409	25,459	25,459	

PROJECT CONCEPTS

Purveyor	Supply Source Treatment Plant/Agency	Treatment Level	Type of Reuse ¹							Project Phase
				2010	2015	2020	2025	2030	2035	
Fallbrook PUD	Fallbrook Plant #1/Fallbrook PUD	Tertiary	Landscape, Agriculture		582	582	582	582	582	Concept
Otay WD	North District Recycled System/R.W. Chapman WRF/Otay WD	Tertiary	Landscape		4,400	4,400	4,400	4,400	4,400	Concept
Ramona MWD	Santa Maria WRP/Ramona MWD	Tertiary	Landscape, Recreational Impound, Development		3,000	3,000	3,000	3,000	3,000	Concept
Vista Irrigation District	Shadowridge WRP	Tertiary	Landscape Irrigation				4,400	4,400	4,400	Concept
Valley Center MWD	Lower Moosa Canyon WRF	Tertiary	Landscape Irrigation		370	370	460	580	700	FS
	Woods Valley Ranch WRF (Phase 3)	Tertiary					22	50	50	FS
	North Village WRF/VCMWD	Tertiary	Landscape Irrigation		15	45	90	135	150	FS
	Welk WRF/VCMWD	Tertiary	Landscape Irrigation/Golf Course			140	140	140	140	FS
	Lilac Ranch WRF/VCMWD	Tertiary	Landscape Irrigation			15	25	60	60	FS
Sub-total				385	570	737	965	1,100		
Total					8,367	8,552	13,119	13,347	13,482	

¹ Does not include recycled water used for environmental enhancement.

² Projected verifiable projects are included in the Water Authority's 2010 UWMP reliability analysis.

³ Recycled water storage reservoir.