



Step 8 – Develop Implementation Plan

8.1 Develop Implementation Schedule

The first measure to be implemented shall be the replacement of the old system meters with new, radio read meters. This will be done in conjunction with all of the other conservation measures and programs. Each program, besides the Radio Read Meters, and the Long Range CIP, are somewhat limited in scope. However, there are 10 programs and measures which were analyzed and are to be implemented. This will allow the District to determine which programs are effective and which are not (if any).

Table 8.1 – St. Charles Mesa Water District Implementation Schedule for Measures and Programs

Worksheet 8-1: Implementation Schedule for Measures and Programs

Line	Measure/Program	Required Action	Beginning Date	Completion Date	Notes
1	Low Flush Toilets \$50 rebate for first 10 participants (annually)	District notify customers via mailing & Website	1/1/2010	1/1/2029	Evaluate Annually
2	Low Flush Urinals \$50 rebate for first 10 participants (annually)	District notify customers via mailing & Website	1/1/2010	1/1/2029	Evaluate Annually
3	Low Flow Showerheads \$10 rebate for first 20 participants (annually)	District notify customers via mailing & Website	1/1/2010	1/1/2029	Evaluate Annually
4	Low Flow Kit. faucets \$10 rebate for first 20 participants (annually)	District notify customers via mailing & Website	1/1/2010	1/1/2029	Evaluate Annually
5	Low Flow BR faucets \$10 rebate for first 20 participants (annually)	District notify customers via mailing & Website	1/1/2010	1/1/2029	Evaluate Annually
6	Efficient Washing Machines \$100 rebate for first 10 participants (annually)	District notify customers via mailing & Website	1/1/2010	1/1/2029	Evaluate Annually
7	Replace Old meters w/ radio read (400/Year for 10 years)	District shall perform Installation	5/1/2010	9/1/2020	
8	Provide \$0.10 per sq.ft. rebate to customers who install LWU	District notify customers via mailing & Website	3/1/2010	3/1/2029	Evaluate Annually



9	Installation of 20 rain sensors/Year w/\$10 rebate to customers	District notify customers via mailing & Website	3/1/2010	3/1/2029	Evaluate Annually
10	Leak Detection and Replacement of leaking mains	District shall contract w/Leak Det. Service	3/1/2010	3/1/2029	Evaluate Annually

8.2 Develop Plan for Public Participation in Implementation

The District shall notify all customers of upcoming meetings, workshops and demonstrations via mailings, personal contact and on the District's website. In addition, there are 3 public meeting planned, between April, 2010 and June, 2010 to discuss the Conservation Plan. Also, the approved plan will be available on the District's Website.

8.3 Develop Plan for Monitoring and Evaluation Processes

The District shall submit its annual audit, water use records and any other data which is deemed appropriate, to YTG. The results shall be entered into the interactive spreadsheets and the evaluation of each measure and program shall be re-evaluated in this manner, annually. Successful programs shall be continued, and expanded, if necessary. Unsuccessful programs will either be modified, or eliminated. In addition, any customer can provide evaluation to the District, either in writing, at any of the monthly Board meetings, or via the District's website.

Table 8.2 – St. Charles Mesa Water District Evaluation of Conservation Measures and Programs

Year	# Taps Residential	Growth %	Res. Usage Ac.-Ft.	Use/Tap Ac.-Ft./Tap	Total Use Ac.-Ft.	% Total Use	Projected Savings Ac.-Ft.	Revised Usage Forecast Ac.-Ft.	Actual Metered Usage Ac.-Ft.
2000	3,606	-	1,684	0.47	-	-	-	-	-
2001	3,639	0.92%	1,609	0.44	1,971	81.6%	-	-	-
2002	3,681	1.15%	1,611	0.44	1,908	84.4%	-	-	-
2003	3,729	1.30%	1,487	0.40	1,823	81.6%	-	-	-
2004	3,753	0.64%	1,383	0.37	1,701	81.3%	-	-	-
2005	3,786	0.88%	1,549	0.41	1,910	81.1%	-	-	-
2006	3,810	0.63%	1,559	0.41	1,917	81.3%	-	-	-
2007	3,835	0.66%	1,499	0.39	1,791	83.7%	-	-	-
2008	3,873	1.00%	1,608	0.42	1,957	82.2%	-	-	-
2009	3,912	1.00%	1,687	0.43	2,054	82.2%	-	-	-
2010	3,951	1.00%	1,767	0.45	2,151	82.2%	13.5	1,754	-
2011	3,991	1.00%	1,847	0.46	2,248	82.2%	27.0	1,820	-
2012	4,031	1.00%	1,926	0.48	2,345	82.2%	40.5	1,886	-
2013	4,071	1.00%	1,945	0.48	2,368	82.2%	54.1	1,891	-



2014	4,112	1.00%	1,964	0.48	2,391	82.2%	67.6	1,897	-
2015	4,153	1.00%	1,984	0.48	2,415	82.2%	81.1	1,903	-
2016	4,194	1.00%	2,004	0.48	2,439	82.2%	94.6	1,909	-
2017	4,236	1.00%	2,022	0.48	2,461	82.2%	108.1	1,914	-
2018	4,279	1.00%	2,043	0.48	2,487	82.2%	121.6	1,922	-
2019	4,321	1.00%	2,064	0.48	2,512	82.2%	135.1	1,929	-
2020	4,365	1.00%	2,085	0.48	2,538	82.2%	139.4	1,946	-
2021	4,408	1.00%	2,106	0.48	2,563	82.2%	143.6	1,962	-
2022	4,452	1.00%	2,127	0.48	2,589	82.2%	147.8	1,979	-
2023	4,497	1.00%	2,147	0.48	2,614	82.2%	152.0	1,995	-
2024	4,542	1.00%	2,169	0.48	2,640	82.2%	156.3	2,013	-
2025	4,587	1.00%	2,189	0.48	2,665	82.2%	160.5	2,029	-
2026	4,633	1.00%	2,210	0.48	2,690	82.2%	164.7	2,045	-
2027	4,679	1.00%	2,231	0.48	2,716	82.2%	168.9	2,062	-

Year	# Taps Commercial	Growth %	Comm. Usage Ac.-Ft.	Use/Tap Ac.-Ft./Tap	Total Use Ac.-Ft.	%Total Use	Projected Savings Ac.-Ft.	Revised Usage Forecast Ac.-Ft.	Actual Metered Usage Ac.-Ft.
2000	161	-	362	2.25	-	-	-	-	-
2001	163	1.24%	267	1.64	1,971	13.5%	-	-	-
2002	165	1.23%	209	1.27	1,908	11.0%	-	-	-
2003	167	1.21%	250	1.50	1,823	13.7%	-	-	-
2004	169	1.20%	208	1.23	1,701	12.2%	-	-	-
2005	171	1.18%	259	1.51	1,910	13.6%	-	-	-
2006	177	3.51%	242	1.37	1,917	12.6%	-	-	-
2007	182	2.82%	177	0.97	1,791	9.9%	-	-	-
2008	184	1.00%	247	1.34	1,957	12.6%	-	-	-
2009	186	1.00%	265	1.43	2,054	12.9%	-	-	-
2010	188	1.00%	282	1.50	2,151	13.1%	2.0	280	-
2011	189	1.00%	299	1.58	2,248	13.3%	4.1	295	-
2012	191	1.00%	317	1.65	2,345	13.5%	6.1	310	-
2013	193	1.00%	321	1.66	2,368	13.5%	8.1	313	-
2014	195	1.00%	325	1.66	2,391	13.6%	10.2	315	-
2015	197	1.00%	329	1.67	2,415	13.6%	12.2	317	-
2016	199	1.00%	333	1.67	2,439	13.7%	14.2	319	-
2017	201	1.00%	337	1.68	2,461	13.7%	16.3	321	-
2018	203	1.00%	342	1.68	2,487	13.7%	18.3	324	-
2019	205	1.00%	346	1.69	2,512	13.8%	20.3	326	-
2020	207	1.00%	351	1.69	2,538	13.8%	21.0	330	-



2021	209	1.00%	355	1.70	2,563	13.9%	21.6	334	-
2022	211	1.00%	360	1.70	2,589	13.9%	22.2	338	-
2023	213	1.00%	365	1.71	2,614	13.9%	22.9	342	-
2024	216	1.00%	369	1.71	2,640	14.0%	23.5	346	-
2025	218	1.00%	374	1.72	2,665	14.0%	24.1	350	-
2026	220	1.00%	378	1.72	2,690	14.1%	24.8	353	-
2027	222	1.00%	383	1.72	2,716	14.1%	25.4	357	-

Year	# Taps Institutional	Growth %	Inst. Usage Ac.-Ft.	Use/Tap Ac.- Ft./Tap	Total Use Ac.- Ft.	%Total Use	Projected Savings Ac.-Ft.	Revised Usage Forecast Ac.-Ft.	Actual Metered Usage Ac.-Ft.
2001	8	-	95	11.84	1,971	4.8%	-	-	-
2002	8	0.00%	88	11.03	1,908	4.6%	-	-	-
2003	8	0.00%	86	10.78	1,823	4.7%	-	-	-
2004	8	0.00%	110	13.80	1,701	6.5%	-	-	-
2005	8	0.00%	102	12.79	1,910	5.4%	-	-	-
2006	8	0.00%	116	14.45	1,917	6.0%	-	-	-
2007	8	0.00%	115	14.40	1,791	6.4%	-	-	-
2008	8	0.00%	102	12.75	1,957	5.2%	-	-	-
2009	8	0.00%	102	12.75	2,054	5.0%	-	-	-
2010	8	0.00%	102	12.75	2,151	4.7%	0.9	101	-
2011	8	0.00%	102	12.75	2,248	4.5%	1.8	100	-
2012	8	0.00%	102	12.75	2,345	4.3%	2.7	99	-
2013	8	0.00%	102	12.75	2,368	4.3%	3.6	98	-
2014	8	0.00%	102	12.75	2,391	4.3%	4.5	97	-
2015	8	0.00%	102	12.75	2,415	4.2%	5.4	97	-
2016	8	0.00%	102	12.75	2,439	4.2%	6.3	96	-
2017	8	0.00%	102	12.75	2,461	4.1%	7.2	95	-
2018	8	0.00%	102	12.75	2,487	4.1%	8.1	94	-
2019	8	0.00%	102	12.75	2,512	4.1%	9.0	93	-
2020	8	0.00%	102	12.75	2,538	4.0%	9.3	93	-
2021	8	0.00%	102	12.75	2,563	4.0%	9.6	92	-
2022	8	0.00%	102	12.75	2,589	3.9%	9.9	92	-
2023	8	0.00%	102	12.75	2,614	3.9%	10.2	92	-
2024	8	0.00%	102	12.75	2,640	3.9%	10.4	92	-
2025	8	0.00%	102	12.75	2,665	3.8%	10.7	91	-
2026	8	0.00%	102	12.75	2,690	3.8%	11.0	91	-
2027	8	0.00%	102	12.75	2,716	3.8%	11.3	91	-



8.4 Develop Plan for Updating and Revising the Conservation Plan

Updates and revisions to the Conservation Plan shall take place immediately after the material outlined in 8.3, are delivered and assessed by YTG. This should occur in February of each year.

8.5 Define Plan Adoption Date/Plan Completed Date/Plan Approved Date