



**Water Conservation Plan for
The St. Charles Mesa Water District
Draft Date: October 19, 2009
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Executive Summary

Step 1 – Profile the Existing Water System

- 1 Profile the Existing Water System
 - 1.0 Name and Contact Information
 - 1.01 Organizations and Individuals assisting with Plan Development
 - 1.1.1 Physical Characteristics of the Existing Water Supply System
 - 1.1.2 Water Sources
 - 1.1.3 System Limitations
 - 1.1.4 Water Costs and Pricing
 - 1.1.5 Current Policies and Planning Initiatives
 - 1.1.6 Current Water Conservation Activities

Step 2 – Characterize Water Use and Forecast Demand

- 2.1.1 Current Water Use
- 2.2 Forecasting Method
- 2.3 Demand Forecast

Step 3 – Profile Proposed Facilities

- 3.1.1 Facility Needs
- 3.1.2 Incremental Cost Analysis
- 3.1.3 Preliminary Capacity and Costs Forecasts

Step 4 – Identify Conservation Goals

- 4.1.1 Water Conservation Goals
- 4.1.2 Goal Development Process

Step 5 – Identify Conservation Measures and Programs

- 5.1.1 Identify Conservation Measures and Programs
- 5.1.2 Screening Criteria for Conservation Measures and Programs
- 5.1.3 Application of Screening Criteria



Step 6 – Evaluate and Select Conservation Measures and Programs

- 6.1 Create Combinations of Measures and Programs
- 6.2 Costs and Water Savings of Conservation Options
- 6.3 Benefits and Costs of Conservation Options
- 6.4 Define Evaluation Criteria
- 6.5 Select Conservation Measures and Programs

Step 7 – Integrate Resources and Modify Forecasts

- 7.1.1 Revise Demand Forecast
- 7.1.2 Identify Project Specific Savings
- 7.1.3 Revise Supply-Capacity Forecast
- 7.1.4 Summarize Forecast Modifications and Benefits of Conservation
- 7.1.5 Consider Revenue Effects

Step 8 – Develop Implementation Plan

- 8.1 Develop Implementation Schedule
- 8.2 Develop Plan for Public Participation in Implementation
- 8.3 Develop Plan for Monitoring and Evaluation Process
- 8.4 Develop Plan for Updating and Revising the Conservation Plan
- 8.5 Define Plan Adoption Date/Plan Completed Date/Plan Approved Date

Step 9 – Monitor, Evaluate and Revise Conservation Activities and the Conservation Plan

- 9.1 Implement the Plan

References

List of Tables

Table 1.4a	St. Charles Mesa Water District Tap Fee Structure
Table 1.4b	St. Charles Mesa Water District Water Rate Structure
Table 1.5	St. Charles Mesa Water District Long Range Plan for Capital Improvements
Table 1.6	St. Charles Mesa Water District Total Use per Tap
Table 2.1a	St. Charles Mesa Water District Total Use per Customer Class
Table 2.1b	St. Charles Mesa Water District Average Winter Water Usage
Table 2.1c	St. Charles Mesa Water District Average Irrigation Usage
Table 2.1d	St. Charles Mesa Water District Largest Water Use by Customer



List of Tables (Cont'd)

Table 3.1	St. Charles Mesa Water District Meter Testing Data
Table 5.1	St. Charles Mesa Water District Water Conservation Measures and Programs
Table 5.2	St. Charles Mesa Water District Screening Criteria for Proposed Water Conservation Measures and Programs
Table 6.1	St. Charles Mesa Water District Water Conservation Savings Goals
Table 6.2	St. Charles Mesa Water District Comparison of Benefits and Costs of the Conservation Measures and Programs
Table 6.3	St. Charles Mesa Water District "Out of Pocket" Costs of Conservation Measures and Programs
Table 6.4	St. Charles Mesa Water District Selection of Conservation Measures and Programs and Estimate of Water Savings
Table 6.5	St. Charles Mesa Water District Approximate Annual Cost to Irrigate 1,000 square feet of lawn
Table 6.6	St. Charles Mesa Water District Rain Sensor
Table 6.7	St. Charles Mesa Water District Average Rainfall for Pueblo, CO
Table 7.1	St. Charles Mesa Water District Modified Demand Forecast
Table 7.2	St. Charles Mesa Water District Project Specific Savings
Table 7.3	St. Charles Mesa Water District Modified Supply Forecast
Table 7.4	St. Charles Mesa Water District Revenue Effects from Conservation
Table 8.1	St. Charles Mesa Water District Implementation Schedule for Measures and Programs
Table 8.2	St. Charles Mesa Water District Evaluation of Conservation Measures and Programs

List of Figures

Figure 1.1	St. Charles Mesa Water District - District Boundary Map
Figure 1.2	St. Charles Mesa Water District Raw Water Supply Sources
Figure 2.1	St. Charles Mesa Water District Total Annual Raw Water Consumption
Figure 2.3	St. Charles Mesa Water District Forecast Demand without Conservation
Figure 3.2	St. Charles Mesa Water District per Unit Cost of Water Supply Facilities
Figure 3.3	St. Charles Mesa Water District Maximum-Day Demand and Proposed Supply Capacity (Without Conservation)
Figure 7.1a	St. Charles Mesa Water District Maximum-Day Demand and Proposed Supply Capacity (With and Without Conservation)
Figure 7.1b	St. Charles Mesa Water District Maximum-Day Demand and Revised Supply Capacity (With and Without Conservation)



Appendices

A – Worksheets

Worksheet 1-1:	Water System Profile
Worksheet 1-2:	Summary of System Conditions
Worksheet 1-3:	Summary of Current Conservation Activities
Worksheet 2-1:	Preliminary Water Demand Forecast
Worksheet 3-1:	Anticipated Improvements and Additions
Worksheet 3-1a	Summary of Anticipated Improvements and Additions
Worksheet 3-1b	Long Range Plan for Capital Improvements
Worksheet 3-2:	Cost of Supply-Side Facilities
Worksheet 3-3:	Cost of Supply-Side Facilities (Alternative Approach with Cost Escalation and Discounting)
Worksheet 3-3(2):	Cost of Supply-Side Facilities
Worksheet 3-3a:	Estimate of Additional Capacity for CIP
Worksheet 3-4:	Preliminary Supply-Capacity Forecast
Worksheet 5-1:	Conservation Measures Identified in the Planning Process
Worksheet 5-2:	Conservation Programs Identified in the Planning Process
Worksheet 6-1:	Analysis of Each Conservation Measure or Group of Measures and Programs
	a Low Flush Toilets
	b Low Flush Urinals
	c Low Flow Showerheads
	d Low Flow Kitchen Faucets
	e Low Flow Bathroom Faucets
	f Efficient Washing Machines
	g Replace old meter w/radio read meters
	h Replacement of lawn with Low Water Use Landscapes
	i Rain Sensors for automated irrigation systems
	j Leak Detection Program
Worksheet 6-2:	Comparison of Benefits and Costs of the Conservation Measures and Programs
Worksheet 6-3:	Selection of Conservation Measures/Programs and Estimate of Water Savings
Worksheet 7-1:	Modified Demand Forecast
Worksheet 7-2:	Project-Specific Savings
Worksheet 7-3a:	Modified Supply Forecast and Estimated Total Savings
Worksheet 7-3b:	ESTIMATED TOTAL SAVINGS
Worksheet 8-1:	Implementation Schedule for Measures and Programs



B – Design Manual

Water Efficient Fixtures and Appliances:

1. Toilets
2. Urinals
3. Showerheads
4. Faucets
5. Efficient Washing Machines
6. Rain Sensors

Water Efficient Irrigation:

1. Automatic Valves
2. Sprinkler Heads
3. Low Water Use Landscapes
4. Leak Detection

Meter Information