



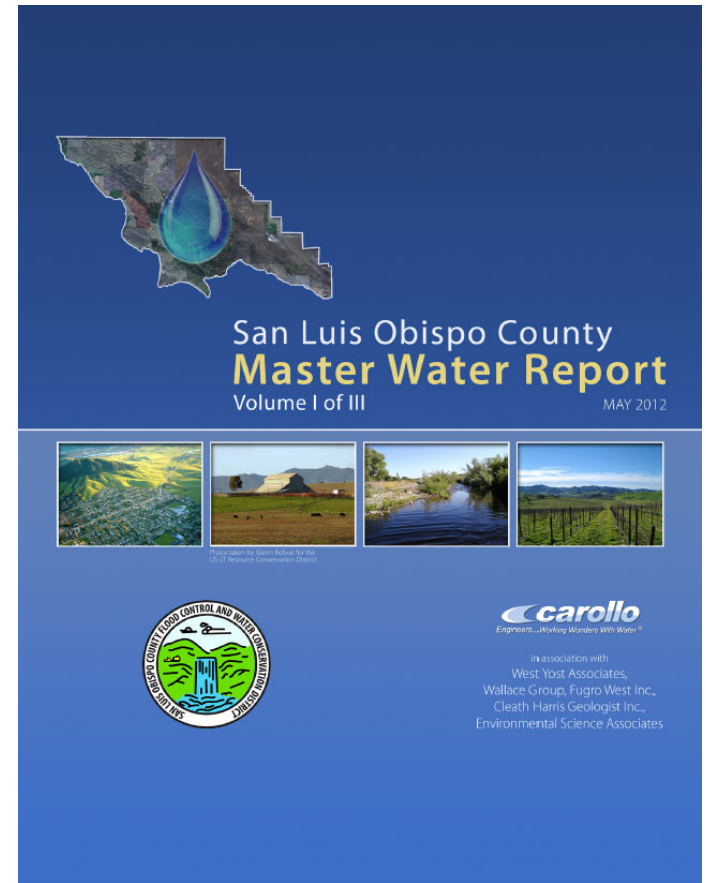
Master Water Report and Information System Update

June 7, 2022

www.slocounty.ca.gov

Presentation Outline

- Background
- Project Overview
 - Goals
 - Scope
 - Funding
- Recommendation



Background

- SLO County Flood Control and Water Conservation District
- 2012 Master Water Report
- Priorities
- Future decisions



Project Goals

- Automated system
- Go beyond potable water
- Water supply & demand
- Inform decision-makers and the public

Table 4.24 Morro Bay and Chorro Valley Water Demand and Supply

	Morro Bay	CMC ⁽²⁾	Camp San Luis Obispo (National Guard) ⁽²⁾	County Operations Center/Office of Education ⁽²⁾	Cuesta College ⁽²⁾
Demand					
Existing Demand (AFY)	1,620 ⁽¹⁾	1,135	138	94	125
Forecast Demand (AFY)	2,040 ⁽¹⁾	1,135	138	94	125
Supply					
State Water Project (AFY) ⁽³⁾	1,313	735 ⁽⁴⁾	0	150 ⁽⁴⁾	140 ⁽⁴⁾
Desalination Plant (AFY)	645	0	0	0	0
Whale Rock Reservoir (AFY)	0 ⁽⁵⁾	420	0	25 ⁽⁶⁾	0
Chorro Reservoir (AFY)	0	25 ⁽⁷⁾	140	0	0
Morro Valley Basin (AFY) ⁽⁸⁾	581	0	0	0	0
Chorro Valley Basin (AFY) ⁽⁹⁾	566	0	200 ⁽¹⁰⁾	0	0
Other Groundwater Supply Sources (AFY)	0	0	0	0	0
Recycled Water (AFY)	0	0	0	0	0
SWRCB Water Diversions (AFY)	0	0	0	3	0
Total Supply (AFY)	3,105	1,180	340	178	140

Notes:

1. Water demands based on the 2005 Urban Water Management Plan (UWMP), which will be updated for the 2010 UWMP. Year 2009 demands were less than 1,620 AFY.
2. Part of Chorro Valley Water System.
3. State Water Project average allocation assumed 66 percent of contract water service amount.
4. CMC receives 60 AFY of Cuesta College 200 AFY allocation. County Operations Center provides up to 275 AFY from their 425 AFY State Water Project allocation to CMC. Totals in table reflect these agreements.
5. Mutual aid agreements with CMC and Whale Rock Commission for emergency supply only.

Table 4.24, Master Water Report, San Luis Obispo County Flood Control and Water Conservation District, 2012



Project Scope

Project Tasks

1. Project Management

2. Stakeholder Outreach

3. Data and Information Audit

4. DIMS Alternatives Analysis and Selection

5. DIMS Development

6. Reporting Tools Development

7. Master Water Report Update

8. Operations Model



Conceptual Digital Master Water Report



Water Resource Apps

Water Resource Data and Information Management System (DIMS)

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Tools for tracking and analyzing water resources

GIS-based tools for tracking water supply, demands, projections, management strategies and water infrastructure projects



Supply Manager

Collect, evaluate and quantify water supplies from multiple sources for current and future scenarios



Demand Manager

Identify and quantify current and projected water demands for multiple users



Forecast Analyzer

Compare supply and demand projections to quantify future needs across local planning and regional areas



Water Strategies

Find and track water management strategies aligned with supply and demand forecasts



Water Reports

Track improvement project status, location and schedule via map / GIS-based interface




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Conceptual Digital Supply and Demand

← Supply / Demand



Water
Groundwater Basin

Morro Bay WPA 4 (2012)
Morro Valley Groundwater Basin

MAP

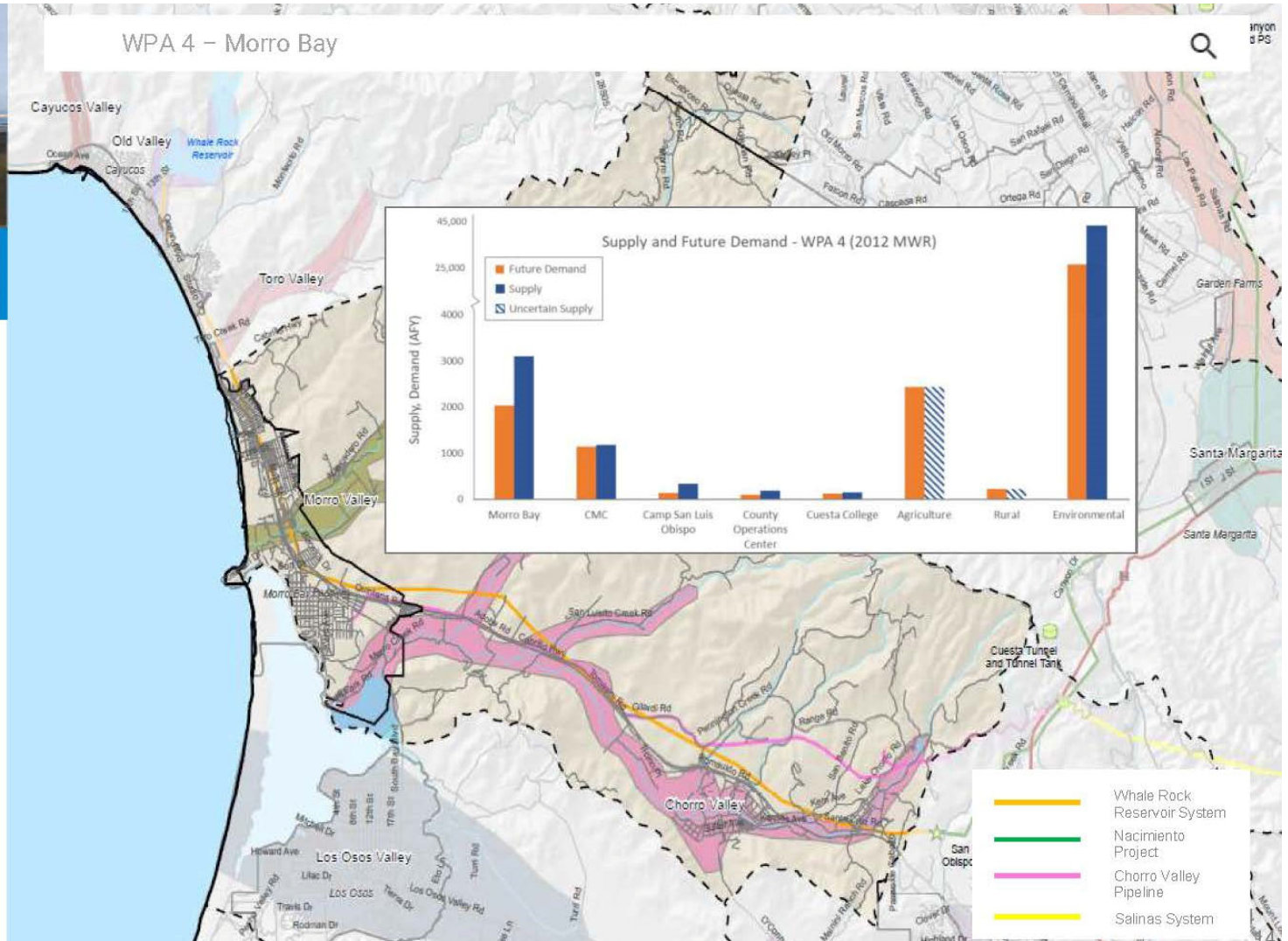
The Morro Valley Groundwater Basin encompasses approximately 1,200 acres (1.9 square miles). The basin is bounded by the Pacific Ocean, the Morro Bay estuary, and by impermeable rock units. This basin is designated by the DWR as Basin 3-41.

Groundwater Users:

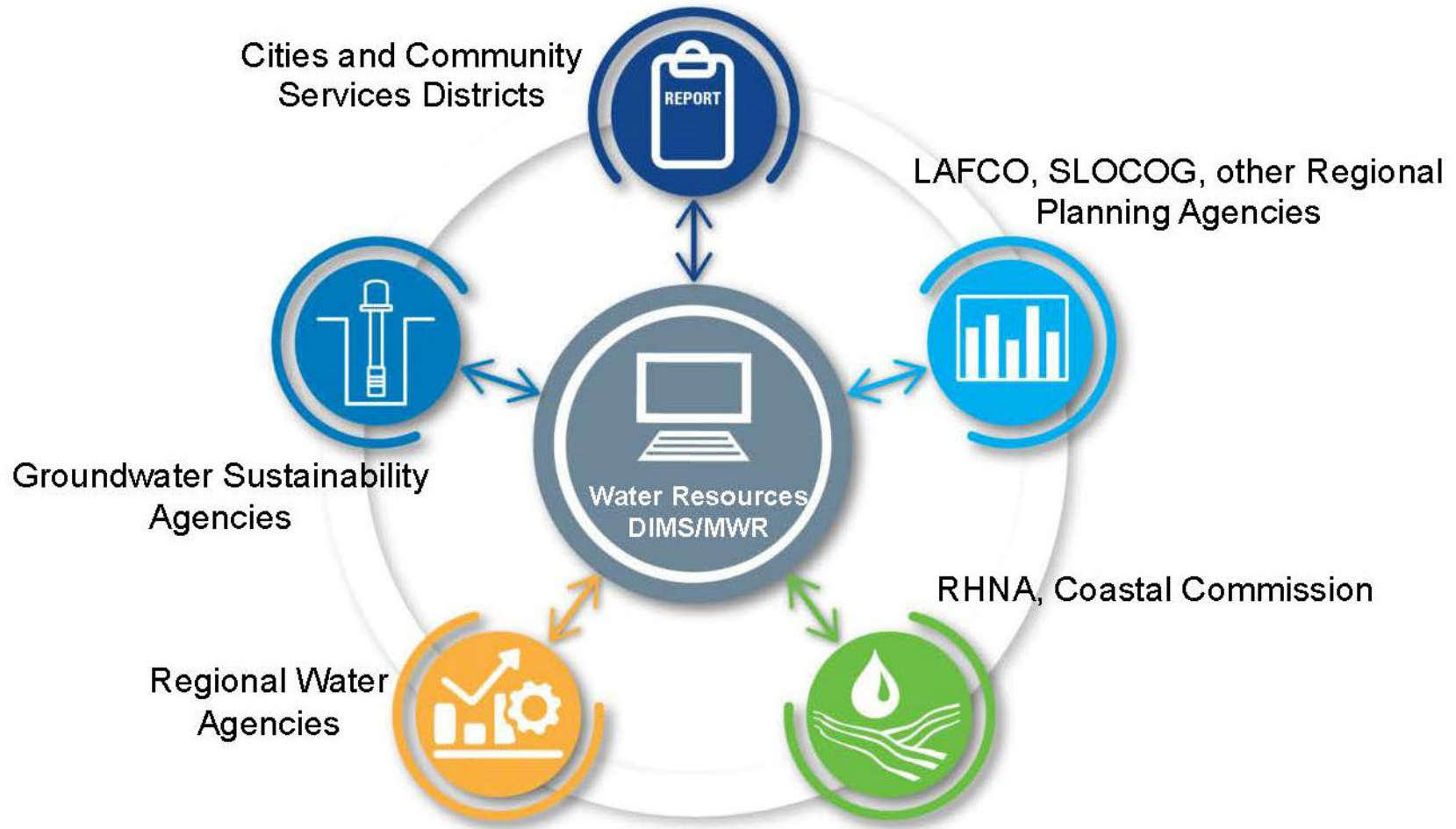
- City of Morro Bay
- Morro Bay Power Plant
- Cement Plant
- Small public water system
- Residential development
- Agriculture

Posted: Andy Baldwin, Carillo Engineers

- Basin Yield: 1,500 AFY
- Basin Size: 1,200 Acres



Project Partners & Stakeholders



Consultant Costs

Task	Phase 1	Phase 2
1. Project Management	\$51,130	\$30,678
2. Stakeholder Engagement	\$147,543	\$74,540
3. Data and Information Audit	\$87,788	\$56,112
4. DIMS Alternatives Analysis and Selection	\$43,436	\$23,922
5. DIMS Development	\$164,022	\$200,214
6. Reporting Tools	\$36,472	\$169,242
7. Master Water Report Update	\$109,129	\$226,960
8. Operations Model	\$0	\$155,180
Total: \$1,576,367	\$639,519	\$936,848



Project Funding

Project Funding
Project Cost
\$1,576,367
Existing Funding
\$228,000 (REAP Grant)
\$721,764 (FCWCD FY21-22 Budget)
District Reserves / Future Grants:
\$626,603

- REAP Grant also provides \$55,003 for project management
- Staff has submitted project for upcoming IRWM Grant
 - \$550,000 grant request
 - BOS date Fall '22
- FY2021-22 District budget included Supply & Demand, studies and more.



Recommendation

1. Approve professional consultant services contract with Carollo Engineers, Inc.;
2. Direct the Director of Public Works, or designee, to pursue grants to offset project costs and return to the Board for grant award approval; and
3. Approve a corresponding budget adjustment in the amount of \$626,603, by 4/5 vote



Questions?

For more information about San Luis Obispo County's water supply, flood control and more, visit our water hub @ www.slocounty.ca.gov/water

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