



Water Supply Considerations for Planning Professionals

San Francisco Bay Area Chapter
Association of Environmental Professionals

Mary Grace Pawson, P.E.
November 14, 2007

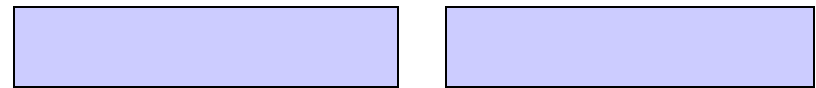
SB 610 envisions a coordinated planning scheme

2000

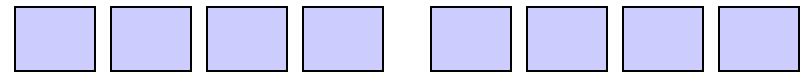
2020

2040

- General Plan



- UWMP



- Project-Level Water Supply Assessment



SB 610 uses CEQA to strengthen the coordination

- SB 610 modified CEQA and directed lead agencies to the Water Code
- SB 610 amended the Water Code to add Section 10910 (Water Supply Planning to Support Existing & Future Uses)
- SB 610 amended the Water Code to modify Section 10610 (Urban Water Management Planning Act)

Construction of the statute reinforces that UWMPs & WSAs are similar documents

Requirements for all Water Supply Assessments (Water Code Section 10910)	Requirements for Urban Water Management Plans (Water Code Section 10610)
	Coordinate Preparation with Other Agencies to the Extent Practical Tools to Maximize Resources and Minimize Imports from Other Regions
Description of Service Area Population Projections in 5-year Increments Description and Quantification of Water Supplies Description of Supply Reliability to Climatic Conditions Description of Contingency Plans Description of Demand Management Potential Description of Demand Management Measures Employed Description of Conjunctive Use Potential Projection of Water Demands in 5-year Increments Description of Projects & Programs Undertaken to meet Demands	Service Area Description Current and Projected Population (5-year increments) Existing and Planned Sources of Water (5-year increments) Reliability & Vulnerability Climate Water Shortage Contingency Analysis Description of Demand Management Measures Evaluation of Demand Management Measures Currently Not Being Implemented Past, Current & Projected Water Use Description of all Water Supply Projects & Program Being Undertaken to Meet Demand Description of Desalination Opportunities Supply and Demand Data Exchange with Wholesalers in 5-Year Increments
Additional Requirements for Water Supply Assessment that involve Groundwater Discussion of adopted Groundwater Management Plans Description of the groundwater basin Description of any court orders that affect legal rights to pump Information on condition of the basin and efforts limit overdraft Detailed description and analysis of pumping over past 5 years Analysis of the sufficiency of the groundwater basin to meet demands	Additional Requirements for Groundwater Discussion of Groundwater Management Plans and Authority Description of the Groundwater Basin Description of Adjudications and Legal Rights to Pump Descriptions/Determinations Regarding Overdraft from the Most Recent DWR Bulletin Description and Analysis Pumped in the Past 5 Years Description and Analysis of Location and Amount of Groundwater Projected to be Pumped
	Additional Requirements for Recycled Water
Requirements for Water Supply Assessments prepared by the Lead Agency Determination of Supply Sufficiency under Normal, Single & Multiple Dry Years Identification of Water Supply Entitlements & Rights and water received under rights Description of groundwater basin and information regarding overdraft Analysis of the sufficiency of the groundwater basin to meet demands Information related to capital outlay programs for financing delivery of water supply Information on permits needed and regulatory requirements associated with water supply	Assessment of Reliability in the Normal, Single Dry and Multiple Dry Years (5-year Increments)

Where land use planning fits into the water supply world



Section 1 Introduction

Section 2 Service Area Description

Increasingly Climate Change will Be Discussed Here

Section 3 Water Supply 1

Section 4 Water Supply 2

Section 5 Recycled Water Supply

This is a Required Element

Section 6 Past, Current & Projected Water Use

Projected Water Use is Based on Land Use

Conservation is Often Discussed Here

Section 7 Water Shortage Contingency Plan

Section 8 Water Supply versus Demand Comparison

Projected Deficiencies are Relevant to Planning

Where water supply shows up in a project-level CEQA document

Chapter 17 Utilities Analysis

Setting

Water

Sewer

Etc

The UWMP or WSA can help you write this

Relevant Plans & Policies

Water

Sewer

Etc

The UWMP or WSA can help you write this

Evaluation Criteria & Thresholds of Significance

Impacts and Mitigation Measures

Water

Sewer

Etc

The UWMP or WSA analysis helps define these

Cumulative Impacts

A good UWMP will strengthen this discussion

The Water Code allows 90-days for WSA preparation

- The (arguable) intent is that the preparers should use available data and should not have to conduct extensive studies around water supply
- The lead agency may request its water supplier to prepare the WSA
- The lead agency may elect to prepare the WSA itself



This Can Be Very Simple

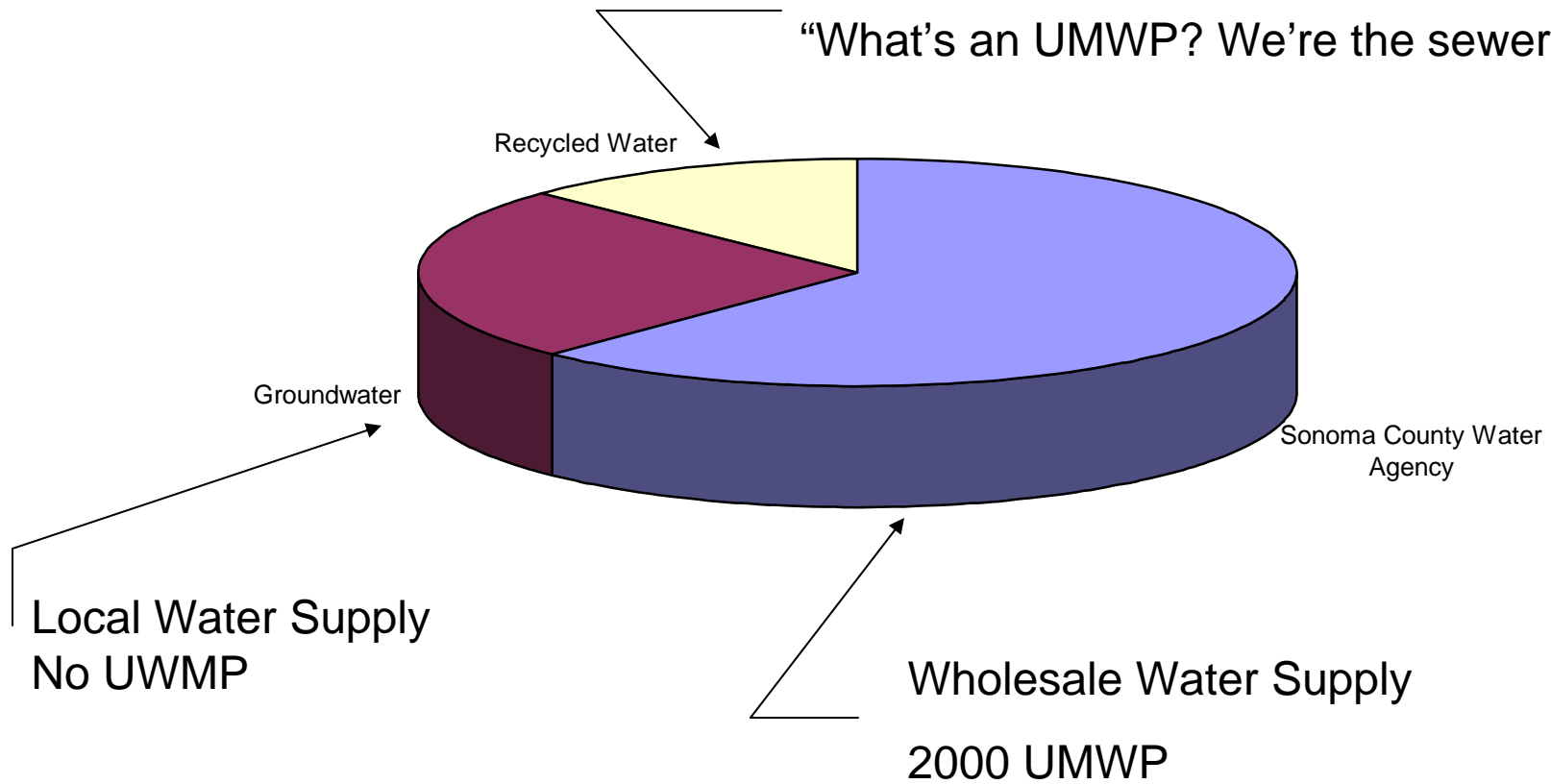
Per Water Code Section 10910(b)(2)

If the projected water demand associated with the proposed project was accounted for in the most recently adopted urban water management plan, the public water system may incorporate the requested information from the urban water management plan

This Can Also Be Not Simple

Wholesale Water Supply

“What’s an UMWP? We’re the sewer guys.”



CEQA Professionals Also Need to Keep a Larger Perspective

- Most projects will require a water supply
- Vineyard Area Citizens v. Rancho Cordova is an important precedent
- Water supply impacts and mitigations must be considered regardless of project size

Strategic considerations for CEQA practitioners



- Who is the water supplier? Is there more than one?
- Is the project included in an UMWP?
- If it is, consider asking the supplier to provide you with WSA.
- If it isn't (or you have lots of supplies to balance), preparing the WSA as the lead agency may be preferable

Land Use professionals can facilitate the process

- UWMPs are prepared on a 5 year cycle

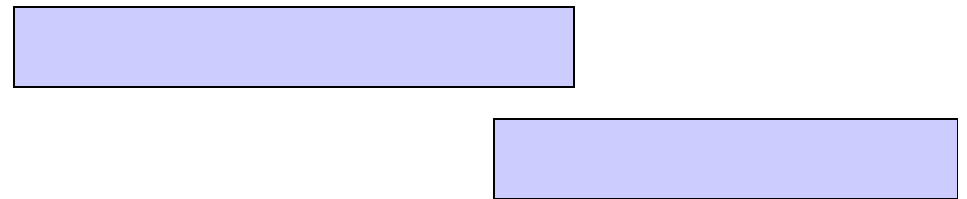
2005 2010 2015 2020



- The preparation begins several years before



- Communicate how your land use planning cycle fits during the UWMP preparation



- Share your pending projects during the UWMP preparation

So where this is all probably headed



- General Plan Water Elements will be increasingly important
- UWMPs will be more controversial
- Developing a multi-year strategy with your water supplier will help you be successful

The slide features a decorative arrangement of six circles. Three circles are solid light purple, and three are hollow with a light purple outline. They are arranged in two rows of three. The top row has a hollow circle on the left, a solid circle in the middle, and a solid circle on the right. The bottom row has a solid circle on the left, a solid circle in the middle, and a hollow circle on the right. The text is centered within these circles.

Thank You!

Mary Grace Pawson P.E.
Winzler & Kelly
(707) 523-1010
marygracepawson@w-and-k.com