

5.1 Introduction



In the early stages of the One Water One Watershed 2.0 (OWOW) planning process, various resource management strategies were evaluated. In 2000, as reflected in the Santa Ana Watershed Project Authority's (SAWPA) early integrated water resource plans, six resource management strategies were developed that covered a broad spectrum of water resource planning. At the time, the integration of these six strategies 1) Groundwater Cleanup and Purification, 2) Water Storage, 3) Flood Protection, 4) Wetlands, Habitat, and the Environment, 5) Water Recycling and 6) Recreation and Conservation was considered innovative in proposing a new way to support the needs of water resources in a region. Past water resource management practices focused primarily on water supply functions without considering the more expansive and integrated benefits of integrating other resource management strategies.

To further emphasize the importance of integrated regional water management planning, the State incorporated the integrated resource management approach into its California Water Plan Update 2005 and again in its 2009 Update. This latest plan emphasizes the value of an integrated regional water management approach using multiple resource management strategies as defined in California Water Plan.

In 2006, in light of new threats to water resources in the Santa Ana River Watershed and to the State overall such as climate change, fiscal crises and the energy crises, SAWPA reviewed its past resource management strategies to update. New resource management strategies defined in the California Water Plan, previous Department of Water Resources (DWR) guidelines for Integrated Regional Water Management Plan (IRWMP) development, and local water resource needs were considered. For the

OWOW 1.0 Plan, the following resource management strategies were defined and aligned along ten major areas of focus, or Pillars:

Pillar	Corresponding Proposition 84 Guidelines Resource Management Strategies
Land Use and Water	Increase water supply
Water Supply Reliability	Reduce water demand
Water Recycling	Increase water supply
Water Use Efficiency	Reduce water demand
Water Quality	Improve water quality
Environmental and Habitat Restoration	Practice resource stewardship
Stormwater Risk Assessment	Improve flood management
Environmental Justice	Included in Guidelines as part of Impact and Beneficial
Parks and Open Space	Not explicitly mentioned in Guidelines
Climate Change	Included in Guidelines as separate standard

In 2011 with the commencement of OWOW 2.0 Plan and the focus on implementation, the water resource management strategies and OWOW Pillars were again reevaluated. To assure that these OWOW Plan resource management strategies are comprehensive and fully reflect the resource management strategies as defined in the California Water Plan Update 2009, the following new OWOW 2.0 Plan resource management strategies or Pillars were established, many of which continued from the previous Pillars, but with new “implementation oriented” titles.

Pillar	Corresponding DWR Prop 84 Guidelines Resource Management Strategies
Water Resource Optimization	Reduce water demand Improve operational efficiency and transfers Increase water supply Improve water quality
Beneficial Use Assurance	Improve water quality
Water Use Efficiency	Reduce water demand
Land Use and Water Planning	Increase water supply Improve water quality Practice resource stewardship
Stormwater Resource and Risk Management	Improve flood management
Natural Resources Stewardship	Practice resource stewardship
Operational Efficiency and Water Transfer	Improve the efficiency of water transfers and infrastructure in the watershed

Disadvantaged and Tribal Communities	Included in Guidelines as part of Impact and Benefit Standard
Government Alliance	Create partnerships between DWR and member agencies
Energy and Environmental Impact Response	Included in Guidelines as separate standard

In order to manage the initial planning work, the stakeholders were organized into ten workgroups, or Pillars, centered on a specific water resource management issue. Discussion of the formation of the Pillars and their work approach is previously described in **Chapter 2.1 Governance Structure**.

Pillar Chapter Development

The following chapters of this report have been written and prepared by the respective OWOW water management strategy committees (Pillars), and represent the culmination of work by the Pillar Chair and the Pillar members (local stakeholders). Unlike a single agency or consultant-prepared report, SAWPA did not significantly modify the following Pillar chapters, other than minor editing, in order to ensure that the work developed through the grassroots stakeholder-driven OWOW process was genuinely conveyed intact, and best reflects the interests, issues, and potential solutions of interested stakeholders in the Watershed.

Each Pillar was led by a recognized expert in their subject area, and was selected by the SAWPA Commission. A list of Pillar Leaders is shown as follows:

Pillar	Pillar Co-Chairs
Water Resource Optimization	Robert Tincher Mark Tetteimer
Beneficial Use Assurance	Greg Woodside Mark Adelson
Water Use Efficiency	Pam Pavela Gail Covey
Land Use and Water Planning	Susan Lien-Longville Jerry Blum
Stormwater: Resource and Risk Management	Maryanne Skorpanich Stuart McKibben
Natural Resources Stewardship	Lee Reeder Nancy Gardner
Operational Efficiency and Water Transfer	Behrooz Mortazavi Craig Miller
Disadvantaged and Tribal Communities	Maria Elena Kennedy

	Leslie Cleveland
Government Alliance	Eileen Takata Jack Simes
Energy and Environmental Impact Response	Roy Herndon Craig Perkin

Local stakeholders participated in a number of Pillar or subject area meetings held in person throughout the watershed. The number of meetings scheduled for each particular group was determined by the individual Pillar leaders with support and guidelines provided by SAWPA staff. Additional stakeholders with an interest in particular subject areas were referred to Pillar leaders for inclusion into the process.

Each of the following sections to this chapter reflects the direction given to each Pillar by SAWPA to update their Pillar write-ups from OWOW 1.0, and then consider and identify regional implementation projects and programs. These conceptual implementation projects and programs were developed using the updated goals and objectives, review of Proposition 84 IRWM Plan standards, past suggested strategies by their Pillars, or by integration of their Pillars with other Pillars. The results of the collaboration are described in Chapters 5.4 – 5.13. **Chapter 5.14 Integration and Implementation** reflects even further integration of the Pillars output through integration workshops with the Pillars to improve implementation synergy and linkages.