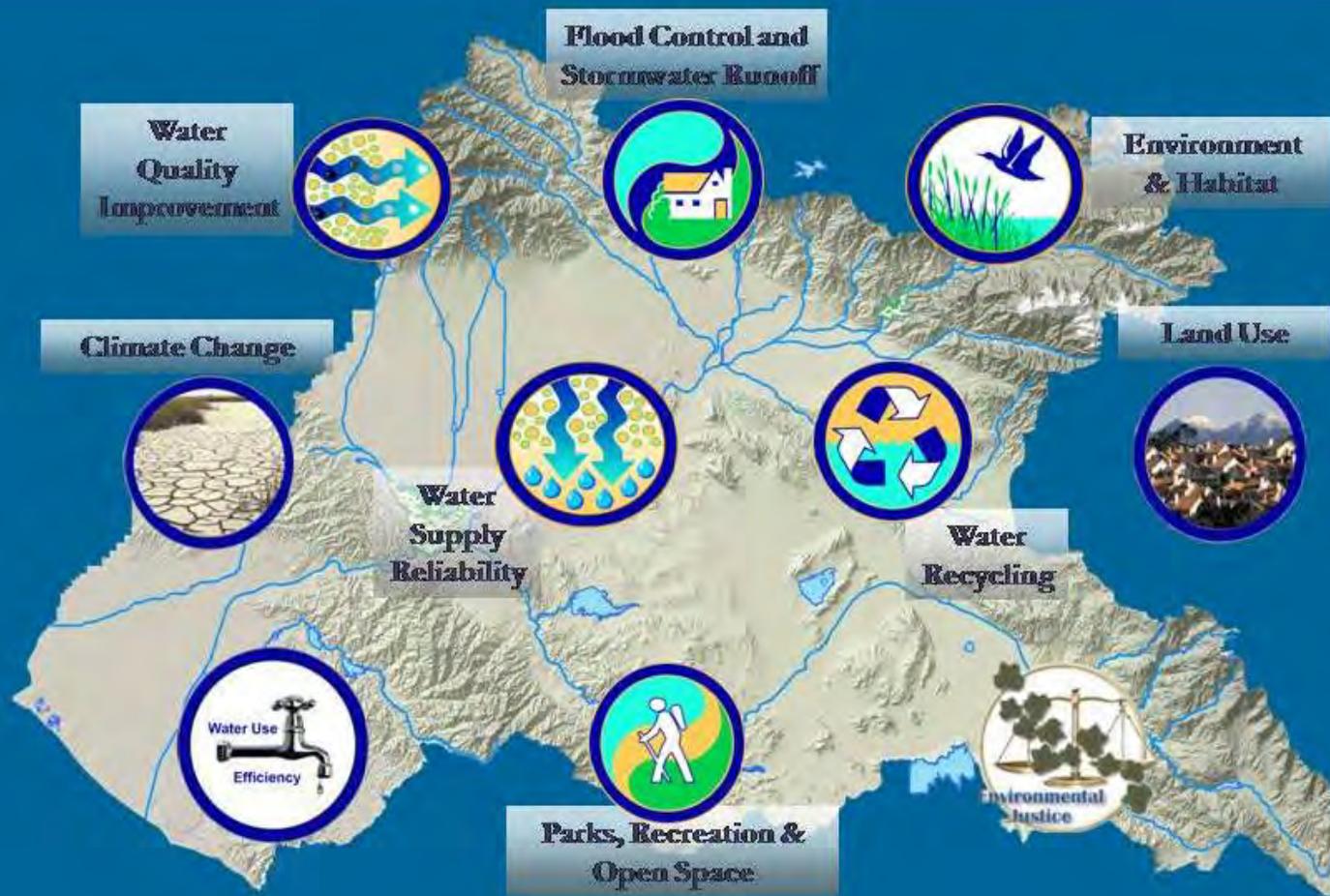


Partnering for Solutions

U.S. Bureau of Reclamation
WaterSMART: Basin Study



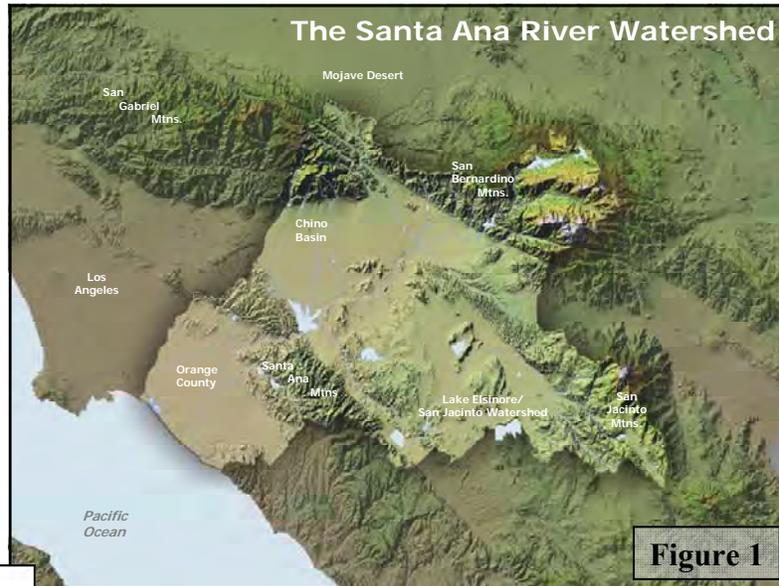
Santa Ana Watershed
Project Authority
Proposal

June 10, 2010

Project Information

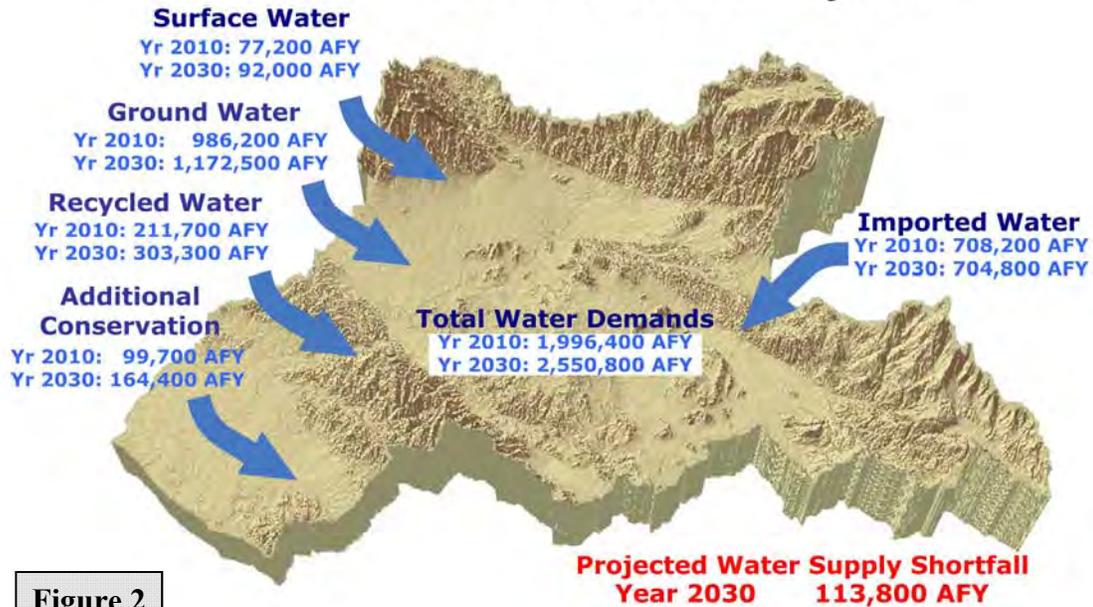
Project Title: Santa Ana Watershed Basin Study

Location:



Currently, the Santa Ana River Watershed Basin is home to over 5.6 million people within an area of 2,650 square miles crossing three counties and 57 cities.

Santa Ana Watershed Basin Water Resources Projections



Total Study Costs (Budget)

| Task | Task Description | Task Cost | SAWPA Share | Reclamation Share |
|-------------|--|--------------------|-------------|-------------------|
| 1.0: | Data Gathering and Collaborative Outreach | | | |
| 1.1 | Review and update data sources and information | \$20,000 | 95% | 5% |
| 1.2 | Update land use needs outreach | \$30,000 | 95% | 5% |
| 1.3 | Update description of collaboration procedures | \$20,000 | 95% | 5% |
| 1.4 | Develop outreach efforts with Native American Tribes | \$50,000 | 10% | 90% |
| 1.5 | Identify ways to assist Disadvantaged Communities | \$40,000 | 50% | 50% |
| 1.6 | Evaluate methods to enhance to land use planning outreach | \$40,000 | 50% | 50% |
| 2.0 | Watershed Setting | | | |
| 2.1 | Review data on geography, population, land use | \$20,000 | 95% | 5% |
| 2.2 | Update watershed physical attributes description | \$20,000 | 95% | 5% |
| 2.3 | Update basin population & socio-economics | \$20,000 | 95% | 5% |
| 2.4 | Update description of legal judgments | \$20,000 | 95% | 5% |
| 2.5 | Update description of institutional setting | \$20,000 | 95% | 5% |
| 2.6 | Update Regional IRWM Boundary description | \$20,000 | 95% | 5% |
| 3.0 | Integrated Regional Water Management Plan Governance | | | |
| 3.1 | Update description SAWPA & its member agencies | \$20,000 | 95% | 5% |
| 3.2 | Update description of pillar groups (workgroups) | \$20,000 | 95% | 5% |
| 3.3 | Update description of watershed plan governance | \$20,000 | 95% | 5% |
| 3.4 | Update description of SAWPA role in plan development | \$20,000 | 95% | 5% |
| 4.0 | Water Resource Management Strategies and Integration | | | |
| 4.1 | Update detailed description of water demands and supply | \$100,000 | 95% | 5% |
| 4.2 | Update detailed description of water quality | \$250,000 | 95% | 5% |
| 4.3 | Update detailed description of water recycling | \$75,000 | 95% | 5% |
| 4.4 | Update detailed description of water use efficiency | \$75,000 | 95% | 5% |
| 4.5 | Update detailed description of water and land use | \$75,000 | 95% | 5% |
| 4.6 | Update detailed description of flood risk management | \$75,000 | 95% | 5% |
| 4.7 | Update detailed description of environment and habitat enhancement | \$75,000 | 95% | 5% |
| 4.8 | Update detailed description of parks, recreation and open space | \$75,000 | 95% | 5% |
| 4.9 | Update detailed description of climate change | \$75,000 | 50% | 50% |
| 4.10 | Update detailed description of environmental justice | \$75,000 | 95% | 5% |
| 5.0 | Climate Change Impact Evaluation and Adaptation Plan | | | |
| 5.1 | Review existing climate change model and analysis | \$70,000 | 10% | 90% |
| 5.2 | Evaluate changes resulting from climate change impacts | \$200,000 | 10% | 90% |
| 5.3 | Evaluate GHG emissions from water industry | \$200,000 | 10% | 90% |
| 5.4 | Evaluate methods to help mitigate Climate Change impacts | \$200,000 | 10% | 90% |
| 6.0 | Funding | | | |
| 6.1 | Update description of Federal, State, and local funding sources | \$10,000 | 95% | 5% |
| 6.2 | Update description of plan funding sources | \$15,000 | 95% | 5% |
| 7.0 | Data Management and Plan Performance/Monitoring | | | |
| 7.1 | Update description of data management system | \$50,000 | 95% | 5% |
| 7.2 | Update description of performance measuring | \$50,000 | 95% | 5% |
| 8.0 | Plan Integration, Strategies, Project Review and Implementation | | | |
| 8.1 | Update evaluation of benefits through integration | \$20,000 | 95% | 5% |
| 8.2 | Update federal, state and regional goals | \$20,000 | 95% | 5% |
| 8.3 | Update description of approach to review projects | \$20,000 | 95% | 5% |
| 8.4 | Compile results of all tasks | \$50,000 | 50% | 50% |
| 9.0 | Study Management | | | |
| 9.1 | Study Management Team established | \$500 | 0% | 100% |
| 9.2 | Identification of the project manager | \$500 | 0% | 100% |
| 9.3 | Development of the Plan of Study | \$20,000 | 50% | 50% |
| 9.4 | Development of a Memorandum of Agreement between Reclamation and Study Partner | \$12,000 | 0% | 100% |
| 9.5 | Coordination of study activities | \$80,000 | 25% | 75% |
| 9.6 | Management of the project costs and results | \$80,000 | 25% | 75% |
| 9.7 | Preparation of all project deliverables | \$80,000 | 50% | 50% |
| | Total | \$2,528,000 | | |



Cost-Share Partners:

The total study cost is estimated to be \$2.528 million, with \$1.528 million in non-Federal cost-share and \$1 million in Federal share, **exceeding the required minimum 50:50 percent cost share split**. The local cost-share contribution will consist of both direct (cash) and in-kind services.

| | | | |
|----------------------------|-------------------|-------------|------------|
| Total Cost Over Study Life | SAWPA Share | \$1,528,000 | 60% |
| | Reclamation Share | \$1,000,000 | 40% |

Primary contacts for each of the non-Federal Cost-Share Partners are listed below:

| Organization | Primary Contact | Contact Information |
|--|-----------------|--|
| Santa Ana Watershed Project Authority (SAWPA) | Mark R. Norton | Water Resources & Plng Mgr. 951-354-4221 mnorton@sawpa.org |
| SAWPA Member Agencies: | | |
| Eastern Municipal Water District | Anthony Pack | General Manager 951-928-3777 packa@emwd.org |
| Western Municipal Water District | John Rossi | General Manager 951-789-5000 jrossi@wmwd.com |
| Inland Empire Utilities Agency | Tom Love | Interim General Manager 909-993-1600 tlove@ieua.org |
| San Bernardino Valley Municipal Water District | Doug Headrick | General Manager 909-387-9200 dougflash@sbyvmwd.com |
| Orange County Water District | Michael Markus | General Manager 714-378-3200 mmarkus@ocwd.com |

Reclamation Study Contacts:

| Organization | Primary Contact | Contact Information |
|-------------------------------|-----------------|--|
| Reclamation So CA Area Office | Bill Steele | Area Manager 951- 695-5310 ext. 13 wsteele@usbr.gov |
| Reclamation So CA Area Office | Jack Simes | Planning Officer 951- 695-5310 ext. 17 JSimes@usbr.gov |

Supporting Stakeholders and Letters of Interest:

The list of supporting stakeholders in past and future integrated regional water management planning is one of the most extensive ever taken by any regional water management group. The master contacts database includes a diverse base of over **4,000 stakeholders, 120 agencies, and 61 incorporated cities**. A listing of these supporting stakeholders who have participated in the SAWPA OWOW Plan, resolutions of support of the OWOW Plan, and SAWPA as regional lead are shown in Attachment A.

Abstract

The SAWPA is a joint powers authority representing five major water resource agencies in the Santa Ana River Watershed Basin who together with over 350 water, wastewater and groundwater management, flood control, environmental, and other non-governmental organizations are working on an Integrated Water Resources Management (IRWM) plan. Under this program, SAWPA and stakeholders have embarked upon an innovative collaborative water resource planning process for our basin. Early projections of water supply availability to meet increasing water demands indicate that a significant shortfall will occur amounting to 114,000 AFY by the Year 2030. This shortfall may be even more challenging if water use efficiency increases of 65% are not achieved within the next 20 years. These water demands are anticipated to increase primarily from municipal and industrial needs, as well as environmental needs for associated water quality compliance. The assistance of Reclamation in partnering with SAWPA in continuing the current integrated regional water resources management planning efforts, and further refining the projections in light of potential climate change impacts on various water uses in the Basin is vitally needed. This can be accomplished with improved climate change, energy output, greenhouse gas emissions modeling and analysis to be applied to water supply/demand projections, expanded evaluation of water quality impacts particularly in salinity and brine management, and outreach to potentially significant water uses such as Native American Tribes and Disadvantaged Communities who have been less actively involved in regional water resource planning efforts to date.

45% of the State of California's economic growth arises from the Santa Ana Watershed Basin.



Study Proposal

SAWPA proposes a Basin Plan study in partnership with the Bureau of Reclamation to complete the OWOW Plan Update and to assure that impacts and adaptation to climate change, increasing energy demands, and water quality/water supply needs are met for the future. This approach incorporates: 1) past and present regional and local planning studies within the Santa Ana Watershed; 2) a new and innovative “bottom up” approach to regional water resources management planning in a more integrated and collaborative approach; 3) advances in the science and technology of new climate change and greenhouse emissions modeling, adaptation planning on a watershed basin basis; and 4) expands collaborative outreach to all major water uses and stakeholders in the watershed basin.

The extent and consequences of existing or anticipated imbalances in water supply and demand.

SAWPA, first formed as a planning agency in 1968, was reformed in 1972 with the mission to plan and build facilities to protect the water quality and enhance water supply within the Santa Ana River Watershed. SAWPA is a joint powers authority comprised of five member agencies: Eastern Municipal Water District (EMWD); Inland Empire Utilities Agency (IEUA); Orange County Water District (OCWD); San Bernardino Valley Municipal Water District (SBVMWD); and Western Municipal Water District (WMWD). These five agencies cover the vast majority of the watershed. Population within the Santa Ana River Watershed is increasing significantly, and the watershed is among the fastest growing regions in the State. This urban growth has put enormous pressure on the region's water supply, water quality, and environmental/recreation resources.

With these increasing pressures on available resources, new approaches to water resources planning have commenced. In 2008, SAWPA working with over 350 water, wastewater and groundwater management, flood control, environmental and other non-governmental organizations, commenced an update to its Integrated Water Resources Management (IRWM) plan. However, unlike in previous plans, the stakeholders have taken on a key role of actually preparing and writing the plan now called the One Water One Watershed (OWOW) Plan. Under this innovative water resources planning process, stakeholders were organized by SAWPA into ten separate workgroups or pillars centered around specific water resource management areas. These pillar groups consist of approximately 10 to 60 volunteers depending on the topic and interest level. The volunteers included participants from local agencies, special districts, non-profit organizations, university officials, and private citizens. The pillars were led by a volunteer chair that had expertise in that specific water resource strategy. These pillars focused their efforts on water resources management strategies that evaluated existing resource needs, projected impacts from continued growth and other factors, and recommended strategies to deal with the needs. Thereafter, these needs were integrated with the other pillars to assure that multi-beneficial, multijurisdictional approaches were proposed to deal with these growing crises. In this fashion, a truly innovative planning process was created that exercised new avenues of watershed systems thinking that promoted collaboration across jurisdictional boundaries, and created a new vision or water ethic rather than only solving localized problems.

Currently, the Santa Ana River Watershed Basin is home to over 5.6 million people within an area of 2,650 square miles. Based on growth and population projections for our region, strong concern exists to ensure that there will be adequate water supplies to meet future water demands in our watershed, particularly in light of climate change and persistent drought conditions. With over 45% of the State’s growth in the commercial, industrial, and agricultural sectors arising from the Santa Ana Watershed Basin, assuring that water supply development and water infrastructure are available to meet future water demands is essential for the State and Nation.

Magnitude and Frequency of Water Shortages

The magnitude of the water shortage showing existing and projected water demands and supplies is reflected in the previously shown **Figure 2** on Page 1. Three water resource planning scenarios have been evaluated for the average year, a drought year, and a three-year drought. Under all scenarios, the projected demands will exceed available supply by the Year 2030. The frequency of these water shortages may further increase as challenges from climate change impacts arise.

Known and Projected Demands for all Types of Water Uses

Figure 3 reflects the known and projected demands in the Santa Ana Watershed Basin. More evaluation needs to occur to update these water demands and reflect specifics for industrial, environmental, power generation, and particularly Native American Tribal water needs.

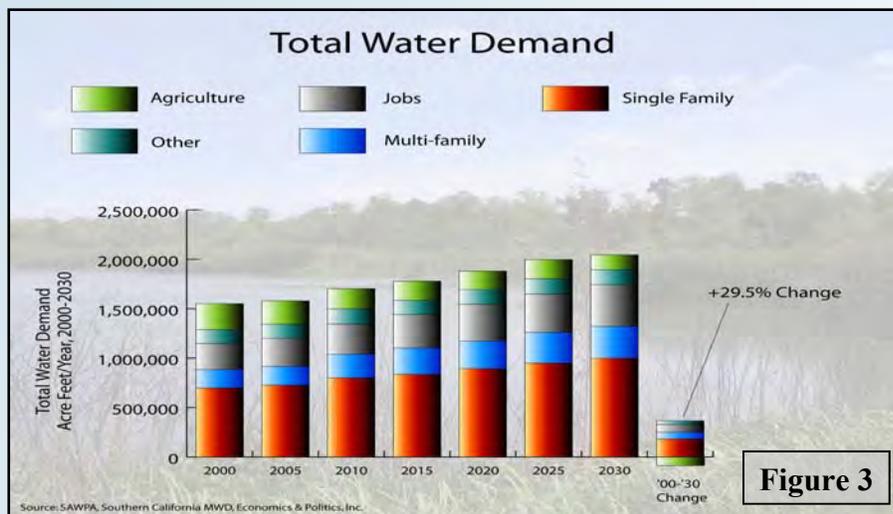


Figure 3

Nature of Imbalances

Under the integrated water resource planning approach, evaluations were conducted in ten major water resource management areas covering the following areas: 1) water supply reliability, 2) water recycling, 3) water quality improvement, 4) water use efficiency, 5) water and land use, 6) flood risk management, 7) environment and habitat enhancement, 8) parks, recreation and open space, 9) climate change, and 10) environmental justice. The current conditions were considered; threats, weaknesses, strengths, and opportunities were examined, and strategies were defined to improve resources. From these evaluations, the imbalances in several arenas, including water supply and water quality, became readily apparent. With increased urbanization in the watershed, it is imperative to protect water quality in the region’s primary water source, groundwater, which meets 69% of the region’s water demands. Further, surface water quality is being impaired for pathogen and nutrients. Regional treatment approaches are being proposed to surface runoff in order to protect recreational use benefit. Recent planning has stressed that a multi-beneficial, multi-jurisdictional integrated approach to addressing these challenges makes the most economic sense. Building upon these evaluations, the proposed Reclamation Study will update these projections with particular emphasis on advancing our understanding of these imbalances in light of climate change impacts and adaptation.

Severity of Potential Consequences for not Addressing Imbalances in Supply and Demand

From past integrated watershed studies, failure to address the imbalances in water supply and demand will result in significant impacts to the Santa Ana Watershed basin and the State of California. With so much of the State’s major commercial and industrial development in the past and for the future arising from this region, a lack of sufficient water supplies will dampen the economic recovery and stall future development. The following quote came from an economic report entitled, *Water & the Santa Ana Watershed Economy* by Economist John Husing Ph.D.

“The Santa Ana Watershed is an enormously important region of California and the United States. Today, it supports 5.6 million people and an economy of 2.3 million jobs. By 2030, it will hold 7.4 million people and an

economy of 3.5 million jobs. A region of this size and growth requires both transportation and water infrastructure to allow it to remain competitive and to flourish. Local leaders have succeeded in putting in place local funding mechanisms to give the area some control over its transportation network. This needs to be done with the water infrastructure as well. Otherwise, limitations on the growth of local supply, particularly in periods of drought, could force water pricing to high levels to reduce demand harming its economic competitiveness and the standards of living of its most vulnerable income groups.”

The extent to which Federal involvement is needed due to the nature and complexity of the issues involved.

Under the proposed joint study with Reclamation, SAWPA would serve as the non-Federal lead agency on behalf of the region’s stakeholders to update and expand water supply and demand projections in our region, taking into consideration the impacts of climate change and severe drought conditions. With recognition that over 19% of the State of California’s energy demand arises from water delivery, it is imperative to the State and our region to address climate change through green house gas reductions in the water sector. Working with local agencies and Reclamation, further analysis of the water infrastructure, both structural and nonstructural, is needed to deal with these changing conditions. Reclamation’s expertise in climate models will be of particular value in updating existing climate change modeling, and evaluating climate change adaptation and mitigation measures of water infrastructure and operations. Further, from Reclamation’s interaction with Native American Tribes and disadvantaged communities, we believe that the assistance of Reclamation will result in an improved planning process with better descriptions of water infrastructure and operations benefitting stakeholders, as well as other regions across the State and Nation.



The partnership of SAWPA and Reclamation will provide an innovative template for integrated water resource planning for the Nation.

The existence and quality of data and models available and applicable to the proposed study.

High-quality data and effective water demand and supply projection modeling exist for analyzing in the Basin. These data are contained in the following reports, which served as the basis for this analysis. The potential effects on water supply and demand due to climate change and variability also were analyzed with evaluation of localized climate change impacts in the watershed, working with the Rand Corporation and State experts. The results of these analyses are referenced as follows:

- Presenting Uncertainty About Climate Change to Water Resource Managers, A Summary of Workshops with the Inland Empire Utilities Agency, Rand Corporation 2008.
- Presentation of Uncertainty About Climate Change Modeling to SAWPA area, Presentation, Rand Corporation 2008
- Santa Ana Watershed Project Authority, Water Resources Plan, Prepared by SAWPA Planning Dept., June 1998, Chapter 6.9 - Climate Change

SAWPA has utilized several sophisticated hydrogeologic models to evaluate the impact of water quality changes in groundwater basins and surface water. This is reflected in the following two recent reports:

- Recomputation of Ambient Water Quality in the Santa Ana Watershed for the Period 1987 to 2006, Final Technical Memorandum. Prepared by Wildermuth Environmental Inc. for the Basin Monitoring Program Task Force, and administered by the Santa Ana Watershed Project Authority. Aug. 2008
- Santa Ana River Wasteload Allocation Model Report, Prepared by Wildermuth Environmental Inc. for the Basin Monitoring Program Task Force. May 2009

Other water resource studies have helped identify potential supply and demand imbalances in the Basin. The study proposal includes further investigations of these imbalances including identifying options for additional water supplies. These studies include:

- Santa Ana Integrated Watershed Plan, Volume 1-3, June 2002
- Santa Ana Integrated Watershed Plan, Jun. 2005 Update, An Integrated Regional Water Management Plan
- Draft One Water One Watershed, Integrated Regional Water Management Plan, Feb. 2009
- Santa Ana Watershed Salinity Management Program, Phase 1-2, CDM, Carollo Engineers and Wildermuth Environmental

Inc. Jan. 2010

- Upper Santa Ana Watershed Integrated Regional Water Management Plan, GEI Consultants, Inc. for San Bernardino Valley Municipal Water District, July 2009
- California Regional Water Quality Control Board, Water Quality Control Plan for the Santa Ana River Basin (Region 8). 2008b Update Phase I and II Reports of the Emerging Constituents Workgroup, Risk Sciences, 2009

The strength of any nexus between the Basin Study and a Reclamation project or activity.

Three of the five SAWPA member agencies are members of the Metropolitan Water District of Southern California (MWDSC), operator of the Colorado River Aqueduct in coordination with Reclamation in delivering imported water by means of the Colorado River Aqueduct, and used by this watershed, and wherein the terminus of the system lies. There are multiple major groundwater basins within MWDSC and SAWPA's service area. Coordination and cooperation are vital with Reclamation as we both explore groundwater recharge and reuse opportunities.

Additionally, SAWPA has worked closely with Reclamation on several major regional studies over the past decade. As a funding partner, SAWPA has entered into several MOUs with Reclamation in these past studies:

- Southern California Comprehensive Water Reclamation and Reuse Study, Prepared by CH2M Hill for US Bureau of Reclamation and 8 regional partners, including SAWPA, July 2002
- Southern California Water Recycling Initiative, Prepared by CH2M Hill for US Bureau of Reclamation and 12 regional partners, including SAWPA, July 2006
- Southern California Regional Brine Concentrate Management Study, Prepared by CH2M Hill for US Bureau of Reclamation and 15 regional partners, including SAWPA, October 2009

Multiple Federal projects funded through the Reclamation's Title XVI program and ARRA funding are located in the Santa Ana Watershed Basin and with the SAWPA member agencies. For example, Reclamation's Title XVI program funding combined with State Integrated Regional Water Management funding through SAWPA provided sufficient revenue for the recent construction of the largest water recycling project west of the Mississippi River, called the "OCWD Groundwater Replenishment System."

Study Outline and Schedule

Task 1.0: Data Gathering and Collaborative Outreach

- 1.1 Review and update data sources and collect information needed for performing the planning for water supply reliability, water quality, water recycling, water use efficiency, water and land use, flood risk management, aquatic and riparian habitat, parks, recreation and open space, climate change, and environmental justice and demand.
- 1.2 Update outreach to all stakeholders and land use needs in the watershed. Develop and utilize outreach tools to assist the public to take part in the watershed planning process.
- 1.3 Update description of procedures, processes and structures that promote access to and collaboration with people and agencies diverse views. Explain how the watershed is inclusive and utilizes a collaborative, multi-stakeholder process.
- 1.4 Develop outreach efforts with Native American Tribes as important stakeholder inputs to the water resource management planning process. Utilize expertise of Reclamation staff to explore mechanisms and tools that involve local Native American Tribes in the watershed planning effort.
- 1.5 Identify ways to assist Disadvantaged Communities in benefiting from the watershed planning process, support further study and funding of feasibility studies to address water supply and water quality impediments, and explore partnership relationships among Disadvantaged Communities, and other agencies and organizations that could assist with new infrastructure.
- 1.6 Evaluate methods to enhance outreach to the land use planning community to improve interaction between land use planning and water management efforts. This may include analysis of future forums, policies, and projects that could improve water management efforts linking local land use plans with integrated water resource planning, and evaluate a net zero water use template for new development.

Support of Reclamation is needed for expanded outreach to Native American Tribes and other potential water users.



Deliverables: Report chapter that includes Subtasks 1.1 through 1.6 containing a discussion of the watershed planning and outreach efforts including focused outreach to Native American Tribes, Disadvantaged Communities, and Land Use Communities.

Task 2.0: Watershed Setting

- 2.1 Update review of available data on existing and projected surface and groundwater resources, physical setting, land use, biological resources, population, and socio-economics.
- 2.2 Update description of physical attributes of watershed (including hydrology and geomorphology), climate, land use, biological resources, aquatic resources, and factors affecting these resources.
- 2.3 Update current and projected watershed basin population values and socio-economic factors of the watershed.
- 2.4 Update description of existing legal judgments and adjudications in the watershed that may impact the proposed water resources in the region.
- 2.5 Update description of the institutional setting of the watershed and the current collaborative efforts.
- 2.6 Update the Regional IRWM Boundary and neighboring or overlapping IRWM Regions to the Santa Ana Watershed/Region.

Deliverables: Report chapter that incorporates all Subtasks 2.1 through 2.6 under watershed setting for the basin study.

Task 3.0: Integrated Regional Water Management Plan Governance

- 3.1 Update description of SAWPA and its member agencies and their role in developing watershed planning governance.
- 3.2 Update description of how pillar (workgroups) for each resource management strategy is developed and its relationship in the governance process.
- 3.3 Update description of the governance (Steering Committee and SAWPA Commission) for the watershed plan.
- 3.4 Update description of the SAWPA's administrator role in support of integrated regional water management planning governance structure.

Deliverables: Report chapter that includes Subtasks 3.1 through 3.4 regarding SAWPA and its member agencies in integrated regional water management plan governance, the governance structure and processes, work development groups, and the plan administrator and their role.

Task 4.0: Water Resource Management Strategies and Integration

- 4.1 Update detailed description of **water demands and supply**, water supply reliability, current conditions, imported water dependence, available water infrastructure, magnitude and frequency of water shortages, risks of imbalances in supply and demand, reliability goals, and management strategies.
- 4.2 Update detailed description of **water quality** of surface water, groundwater, imported water, and ocean water in and near the watershed. Coordinate salinity management work with Reclamation's So Cal Regional Brine Concentrate Management Plan results.
- 4.3 Update detailed description of **water recycling** in the watershed. Examine current conditions and facilities, POTW capacities and recycled water use, and current management strategies.
- 4.4 Update detailed description of **water use efficiency** practices and improvements needed in the watershed. Describe regional strengths, weaknesses, opportunities and threats for water use efficiency.
- 4.5 Update detailed description of the interaction between **water and land use**. Examine historical and current conditions of land use and resource management, and implementation measures to support water savings through land use practices.

SAWPA has worked closely with Reclamation in dealing with salt issues in recent studies.



- 4.6 Update detailed description of **flood risk management** and practices to better manage storm events and flood protection in the watershed. Examine existing flood protection practices and challenges.
- 4.7 Update detailed description of the water nexus with the **environment and habitat enhancement** in the watershed. Identify lakes, riparian areas, coastal marshes, estuaries and open ocean, and constructed wetlands.
- 4.8 Update detailed description of the water nexus with **parks, recreation and open space** in the watershed. Examine current conditions and geographic patterns, and identify measures to improve strategies to improve water use in these areas.
- 4.9 Update detailed description of **climate change** affecting the watershed. (Under Task 5, further work is proposed to examine and build upon climate change study using new climate change modeling of impacts to the watershed and decision support tools for adaptation measures).
- 4.10 Update detailed description of **environmental justice** issue relating to water resources in the watershed. Examine background, challenges, methodology and findings to determine significant environmental justice issues relating to water supply and water quality in the watershed.

Deliverables: Report chapter that includes Subtasks 4.1 through 4.10 covering all aspects of water supply and demands, water quality, water recycling, water use efficiency, flood risk management, park, recreation and open space, water and land use, environment and habitat enhancement, climate change, and environmental justice.

Task 5.0: Climate Change Impact Evaluation and Adaptation Plan

- 5.1 Review existing climate change model and analysis performed for the Santa Ana Watershed.
- 5.2 Use existing or new climate change model and other resources to evaluate changes in the amount, intensity, timing, quality and variability of runoff, recharge, and imported water deliveries to the watershed resulting from climate change effects. This evaluation will include consideration of increasing water use efficiency, integrated flood management, and enhancement and sustaining Ecosystems, and will include state-of-the-art projections of the impacts on future water supply and demand on a basin-wide scale.
- 5.3 Evaluate and conduct existing and proposed GHG emission sources of all components related to the water industry including operation of construction equipment, passenger vehicle trips during construction and operation, transportation of construction materials and equipment, transportation of material inputs for operational and maintenance, transportation of material outputs or production, generation of electricity used for operation of projects, and waste generation and disposal materials during construction and operation.
- 5.4 Evaluate methods to help mitigate climate change impacts by reducing energy consumption and comply with the State of California AB 32 requirements for all water-related activities in the watershed, and ultimately reducing green house gas emissions. Examine latest decision support tools for managing climate-related changes to water quality and quantity. Incorporate the latest science, engineering technology, climate models and innovative approaches to water management and climate change impacts.

The assistance of Reclamation in partnering with SAWPA is vitally needed to continue the current evaluation efforts and further refine the understanding of climate change on various water uses in the Basin.



Deliverables: Report chapter that covers Subtasks 5.1 through 5.4 providing an in-depth analysis of climate change modeling results, existing and projected climate change impacts to water resources in the watershed, greenhouse gas releases impacts from water related infrastructure, a mitigation and adaptation plan in dealing with the climate change impacts and greenhouse gas releases from water related infrastructure, construction, and operations.

Task 6.0: Funding

- 6.1 Update the description of Federal, State, and local funding sources that have assisted past IRWM plans and projects for the Santa Ana Watershed. Describe the potential funding sources.
- 6.2 Update the description of the sources of funding that will be utilized for the development and on going funding of the IRWM Plan.

Deliverables: Report chapter that covers Subtasks 6.1 and 6.2 providing a description of the funding to support the projects, program, and plan development.

Task 7.0: Data Management and Plan Performance/Monitoring

- 7.1 Update the description of the data management system and activities that are necessary to ensure efficient use of available data and stakeholder access to data.
- 7.2 Update the description of the system for performance measure and monitoring to document progress toward meeting plan objectives.

Deliverables: Report chapter shall include Subtasks 7. 1 and 7.2 that address data management and plan performance and monitoring needs.

Task 8.0: Plan Integration, Strategies, Project Review, and Implementation

- 8.1 Update the evaluation of benefits that would accrue for the watershed through integration of water resource management strategies described under previous tasks.
- 8.2 Update the evaluation of Federal, State, and regional goals for integrated water resource management.
Define goals, objectives, and strategies based on previous tasks to achieve watershed sustainability.
- 8.3 Update description of the approach to conduct review of projects that will meet objectives and goals of the IRWM plan.
- 8.4 Compile results of all tasks into final document for review by stakeholders and study team.

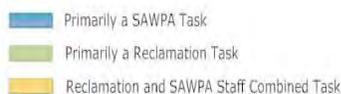
Deliverables: Final study report that includes all chapter reports from Tasks 1 through 8. The report will contain the end results from the analyses performed in this basin study and prepare a study report documenting all of the results from the technical tasks.

Task 9.0: Study Management:

- 9.1 Study Management Team Established
- 9.2 Identification of the Project Manager
- 9.3 Development of the Plan of Study
- 9.4 Development of a Memorandum of Agreement between Reclamation and Study Partner
- 9.5 Coordination of Study Activities
- 9.6 Management of the Project Costs and Results
- 9.7 Preparation of all Project Deliverables

Deliverables: Detailed Plan of Study, Study partners MOA, budget, schedule, and progress reports as determined by the study partners.

Project Schedule:



ATTACHMENT A

Stakeholders and Letters of Interest Stakeholders List



May 24, 2010

Board of Directors

President

Ronald W. Sullivan

Vice President

And Treasurer

Joseph J. Kuebler, CPA

Philip E. Paule

Randy A. Record

David J. Slawson

Board Secretary

Rosemarie V. Howell

General Manager

Anthony J. Pack

Director of the

Metropolitan Water District of So. Calif.

Randy A. Record

Legal Counsel

Redwine and Sherrill

Ms. Lorri Gray-Lee
Regional Director
U.S. Bureau of Reclamation
Lower Colorado Region
P.O. Box 61470
Boulder City, NV 89006-1470

Subject: Eastern Municipal Water District Supports the Proposed Santa Ana Watershed Basin Study

Dear Ms. Gray-Lee:

Eastern Municipal Water District (EMWD) strongly supports the Santa Ana Watershed Project Authority (SAWPA) proposed Basin Study under the U.S. Bureau of Reclamation's Basin Studies Program. SAWPA's watershed study includes building upon its current integrated regional water management (One Water One Watershed) plan and expanding their regional water management planning. The study includes expanding the review, evaluation, and update of current and projected water supply and demand in the Santa Ana Basin and its service areas; assessing the effects of climate change impacts; providing outreach to Native American Tribes; providing ways to assist disadvantaged communities in water resources planning; addressing on-going flood and salinity management challenges; assessing land and water use, and the potential opportunities to address current and future water supply/demand imbalances.

SAWPA has strong support from this region in their planning process and has engaged over 350 stakeholders in their integrated planning process. With 5.6 million residents in the watershed, water is a daily topic of concern to all of us. It is essential for sustaining our way of life and must be taken very seriously. We understand that throughout this proposed study, the Federal and non-Federal cost-share partners will make information available to the Basin stakeholders and request their input. Cost-share partners also may form working groups to conduct different aspects of the studies with involvement of the stakeholders. This approach is groundbreaking, collaborative, and how integrated water resource planning should occur for the future.

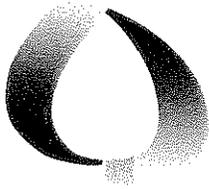
Eastern Municipal Water District is fully supportive of the opportunity that this major study effort and funding by the U.S. Bureau of Reclamation and SAWPA will bring to the Santa Ana Watershed Basin.

Sincerely,

Ronald W. Sullivan
President, EMWD Board of Directors

Anthony J. Pack
General Manager

cc: Santa Ana Watershed Project Authority



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

6075 Kimball Ave, • Chino, CA 91708
P.O. Box 9020 • Chino, Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 597-8875
www.ieua.org

June 4, 2010

Ms. Lorri Gray-Lee
Regional Director
U.S. Bureau of Reclamation
Lower Colorado Region
P.O. Box 61470
Boulder City, NV 89006-1470

Subject: Letter of Support for Proposed Santa Ana Watershed Basin Study

Dear Ms. Gray-Lee:

On behalf of the Inland Empire Utilities Agency, I am writing to express **support** for the **Santa Ana Watershed Project Authority (SAWPA)** proposed Basin Study under the U.S. Bureau of Reclamation's Basin Studies Program. SAWPA's watershed study intent includes building upon its current integrated regional water management (One Water One Watershed) plan and expanding their regional water management planning to include an expanded review, evaluation, and update of current and projected water supplies and demands in the Santa Ana Basin and its service areas; assessing the effects of climate change impacts; providing outreach to Native American Tribes; providing ways to assist disadvantaged communities in water resources planning; addressing on-going flood and salinity management challenges, and assessing land and water use and the potential opportunities to address current and future water supply/demand imbalances.

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We are fully supportive of the opportunity that this major study effort and funding by the U.S. Bureau of Reclamation and SAWPA will bring to the Santa Ana Watershed Basin.

Sincerely,
INLAND EMPIRE UTILITIES AGENCY

Thomas A. Love
Interim Chief Executive Officer
General Manager

cc: SAWPA

Water Smart – Thinking in Terms of Tomorrow

Terry Catlin
President

Angel Santiago
Vice President

Michael E. Camacho
Secretary/Treasurer

Gene Koopman
Director

John L. Anderson
Director

Thomas A. Love
Interim Chief Executive
Officer / General Manager

DIRECTORS

CLAUDIA C. ALVAREZ, ESQ.
PHILIP L. ANTHONY
DON BANKHEAD
KATHRYN L. BARR
DENIS R. BILODEAU, P.E.
JAN DEBAY
IRV PICKLER
STEPHEN R. SHELDON
NOBLE J. WAITE
ROGER C. YOH, P.E.



ORANGE COUNTY WATER DISTRICT
ORANGE COUNTY'S GROUNDWATER AUTHORITY

OFFICERS

President
KATHRYN L. BARR

First Vice President
PHILIP L. ANTHONY

Second Vice President
JAN DEBAY

General Manager
MICHAEL R. MARKUS, P.E.

May 24, 2010

Ms. Lorri Gray-Lee
Regional Director
U.S. Bureau of Reclamation
Lower Colorado Region
P.O. Box 61470
Boulder City, NV 89006-1470

Subject: Letter of Support for Proposed Santa Ana Watershed Basin Study

Dear Ms. Gray-Lee:

I am writing to express **support** for the **Santa Ana Watershed Project Authority (SAWPA)** proposed Basin Study under the U.S. Bureau of Reclamation's Basin Studies Program. SAWPA's watershed study intent includes building upon its current integrated regional water management (One Water One Watershed) plan and expanding their regional water management planning to include an expanded review, evaluation, and update of current and projected water supplies and demands in the Santa Ana Basin and its service areas; assessing the effects of climate change impacts; providing outreach to Native American Tribes; providing ways to assist disadvantaged communities in water resources planning; addressing on-going flood and salinity management challenges, and assessing land and water use and the potential opportunities to address current and future water supply/demand imbalances.

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We are fully supportive of the opportunity that this major study effort and funding by the U.S. Bureau of Reclamation and SAWPA will bring to the Santa Ana Watershed Basin.

Sincerely,

Michael R. Markus, P.E.

cc: SAWPA

May 24, 2010

Ms. Lorri Gray-Lee
Regional Director
U.S. Bureau of Reclamation
Lower Colorado Region
P.O. Box 61470
Boulder City, NV 89006-1470

RECEIVED
MAY 24 2010

Subject: Letter of Support for Proposed Santa Ana Watershed Basin Study

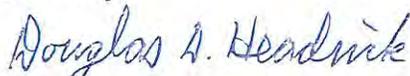
Dear Ms. Gray-Lee:

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We are fully supportive of the opportunity that this major study effort and funding by the U.S. Bureau of Reclamation and SAWPA will bring to the Santa Ana Watershed Basin.

Sincerely,



Douglas D. Headrick
General Manager

cc: SAWPA

Board of Directors and Officers

MARK ALVAREZ
Division 1

GEORGE A. AGUILAR
Division 2

C. PATRICK MILLIGAN
Division 3

MARK BULOT
Division 4

STEVE COPELAN
Division 5

DOUGLAS D. HEADRICK
General Manager



John V. Rossi
General Manager

Charles D. Field
Division 1

Thomas P. Evans
Division 2

Brenda Dennstedt
Division 3

Donald D. Galleano
Division 4

S.R. Al Lopez
Division 5

May 24, 2010

Ms. Lorri Gray-Lee
Regional Director
U.S. Bureau of Reclamation
Lower Colorado Region
P.O. Box 61470
Boulder City, NV 89006-1470

Subject: Support for Proposed Santa Ana Watershed Basin Study

Dear Ms. Gray-Lee:

I am writing to express support for the Santa Ana Watershed Project Authority (SAWPA) proposed Basin Study under the U.S. Bureau of Reclamation's Basin Studies Program. SAWPA's watershed study intent includes building upon its current integrated regional water management (One Water One Watershed) plan and expanding their regional water management planning to include an expanded review, evaluation, and update of current and projected water supplies and demands in the Santa Ana Basin and its service areas; assessing the effects of climate change impacts; providing outreach to Native American Tribes; providing ways to assist disadvantaged communities in water resources planning; addressing on-going flood and salinity management challenges, and assessing land and water use and the potential opportunities to address current and future water supply/demand imbalances.

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We are fully supportive of the opportunity that this major study effort and funding by the U.S. Bureau of Reclamation and SAWPA will bring to the Santa Ana Watershed Basin.

Sincerely,

JOHN V. ROSSI
General Manager

cc: SAWPA

One Water One Watershed Stakeholders List

1. Wholesale and retail water purveyors; including a local agency, mutual water company, or a water corporations:

Banning Heights Mutual Water Company
Bear Valley Mutual Water Company
Beaumont Cherry Valley Water District
Big Bear Municipal Water District
Box Springs Mutual Water Company
Cucamonga Valley Water District
Eagle Valley Mutual Water Company
East Orange County Water District
East Valley Water District
Eastern Municipal Water District
El Toro Water District
Elsinore Valley Municipal Water District
Fern Valley Water District
Fontana Water Company
Gage Canal Company
Home Gardens County Water District
Idyllwild Water District
Inland Empire Utilities Agency
Irvine Ranch Water District
Lake Hemet Municipal Water District
Lee Lake Water District
Marygold Mutual Water Company
Meeks & Daly Water Company
Mesa Consolidated Water District
Metropolitan Water District of Southern California
Monte Vista Water District
Municipal Water District of Orange County
Muscoy Mutual Water Company
Nuevo Water Company
Orange County Water District
Orange Park Acres Mutual Water District
Pine Cove Water District
Rancho California Water District
Rancho Santa Margarita Water District
Riverside Highlands Water Company
San Antonio Water Company
San Bernardino Valley Municipal Water District
San Geronimo Pass Water Agency
Santa Ana River Water Company
Santiago County Water District
Serrano Water District
Southern California Water Company
Terrace Water Company
Trabuco Canyon Water District
West Valley Water District

Western Heights Mutual Water Company
Western Municipal Water District
Yorba Linda Water District
Yucaipa Valley Water District

2. Wastewater agencies:

Big Bear Regional Wastewater Authority
Orange County Sanitation District
Western Riverside County Regional Wastewater Authority

3. Flood management agencies:

Riverside County Flood Control & Water Conservation District
San Bernardino County Public Works
Orange County Flood Control Division

4. Municipal and county governments and special districts:

City of Anaheim
City of Banning
City of Beaumont
City of Big Bear Lake
City of Brea
City of Buena Park
City of Calimesa
City of Canyon Lake
City of Cerritos
City of Chino
City of Chino Hills
City of Claremont
City of Colton
City of Corona
City of Costa Mesa
City of Cypress
City of Diamond Bar
City of Fontana
City of Fountain Valley
City of Fullerton
City of Garden Grove
City of Grand Terrace
City of Hemet
City of Highland
City of Huntington Beach
City of Irvine
City of La Habra
City of Lake Elsinore
City of Lake Forest
City of Lakewood
City of Loma Linda

City of Los Alamitos
City of Montclair
City of Moreno Valley
City of Murrieta
City of Newport Beach
City of Norco
City of Ontario
City of Orange
City of Perris
City of Placentia
City of Pomona
City of Rancho Cucamonga
City of Redlands
City of Rialto
City of Riverside
City of Running Springs
City of San Bernardino
City of San Jacinto
City of Santa Ana
City of Seal Beach
City of Stanton
City of Temecula
City of Tustin
City of Upland
City of Villa Park
City of Westminster
City of Yorba Linda
City of Yucaipa
Riverside County
County of San Bernardino
Orange County Board of Supervisors
Orange County Public Facilities & Resources Department
Orange County Resources & Development Management Department
Riverside County Department of Waste Management
Riverside County Park & Open Space District
San Bernardino County Board of Supervisors
Big Bear Lake Department of Water & Power
Big Bear City Community Services District
Edgewater Community Services District
Jurupa Community Services District
Rubidoux Community Services District
Riverside County Economic Development Agency
Chino Basin Water Conservation District
San Bernardino Valley Water Conservation District
San Timoteo Watershed Management Authority
Chino Desalter Authority
Lake Elsinore and San Jacinto Watersheds Authority

5. **Electrical corporations:**
 - Southern California Public Power Authority
 - So Cal Edison
 - Power Sol Energy
 - Colmac Energy Inc.

6. **Native American Tribes that have lands within the region:**
 - Morongo Band of Mission Indians
 - San Manuel Band of Mission Indians
 - Santa Rosa Band of Mission Indians
 - Soboba Band of Luiseño Indians
 - Temecula Band of Luiseno Mission Indians

7. **Land use authorities:**
 - City of Riverside Land Use Committee

8. **Watermaster for adjudicated surface water or groundwater basins:**
 - Chino Basin Watermaster

9. **Self-supplied water users, including agricultural, industrial, residential and park districts, school districts, colleges and universities, and others:**
 - March Air Reserve Base

10. **Environmental stewardship organizations including watershed groups, fishing groups, land conservancies, and environmental groups:**
 - Audubon Society
 - Endangered Habitats League
 - Sierra Club, San Geronio Chapter
 - Newport Bay Naturalists & Friends
 - Santa Ana River Watershed Alliance
 - Santa Ana Watershed Association
 - Coastal Coalition
 - Southern California Wetlands Restoration Project
 - Friends of the Northern San Jacinto Valley
 - San Jacinto River Watershed Council
 - Inland Empire WaterKeeper
 - Orange County CoastKeeper
 - Western Riverside Regional Conservation Authority
 - Redlands Conservance
 - California Coastal Conservancy
 - Riverside Land Conservancy
 - San Gabriel & Lower Los Angeles Rivers & Mountains Conservancy
 - The Nature Conservancy

The Wildlands Conservancy
San Jacinto Basin Resource Conservation District
Inland Empire Resource Conservation District
Riverside Corona Resource Conservation District

11. Community organizations, including land owner organizations, taxpayer groups, and recreational interests:

Trails 4 All
Jurupa Area Recreation & Park District
Santa Ana River Trail & Parkway Partnership
Orange County Conservation Corps
March Joint Powers Authority
Canyon Lake POA

12. Industry organizations representing agriculture, developers, and other industries appropriate to the region:

American Society of Civil Engineers
Building Industry Association of Riverside County
Building Industry Association : Baldy View Chapter
Inland Action Group
Valley Group
Green Valley Initiative
Raincross Group
Riverside County Farm Bureau
San Bernardino County Farm Bureau
Milk Producers Council
Western Riverside County Agricultural Coalition

13. State, federal, and regional agencies or universities that have specific responsibilities or knowledge within the region:

Association of California Water Agencies
South Coast Air Quality Management District
Southern California Association of Governments
Western Governors Association
University of California Riverside
University of California Irvine
Cal State University, Fullerton
California Department of Fish and Game
California Department of Water Resources
CalTrans
Santa Ana Regional Water Quality Control Board
U.S. National Park Service
USDA Forest Service, PSW
U.S. Bureau of Reclamation
U.S. Army Corps of Engineers

14. Members and representatives of disadvantaged communities, including environmental justice organizations, neighborhood councils, and social justice organizations.

Latino Health Network
Rialto Singe Center
Latino Health Access
Comm Link- Santa Ana
Riverside County Housing Authority
California Latino Water Coalition
Colton Perchlorate Action Group

ATTACHMENT B

OWOW Plan Support Letters



CITY COUNCIL MEMBERS

BOB CASHMAN
BRIDGETTE MOORE
MARSHA SWANSON
SCOTT FARNAM
SHERYL ADE

APR 27 2009

April 23, 2009

SAWPA
11615 Sterling Avenue
Riverside CA 92503

Attn: Jeff or Celeste

Please find enclosed a copy of the Resolution Wildomar City Council adopted April 22, 2009 supporting the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan.

Sincerely,

Sheryll Schroeder, MMC
City Clerk

Enclosure

RESOLUTION NO. 09-20

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WILDOMAR
SUPPORTING THE "ONE WATER ONE WATERSHED" SANTA ANA
RIVER WATERSHED INTEGRATED REGIONAL WATER
MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT
OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2
PROGRAM FUNDING**

WHEREAS, the Wildomar City Council supports the Santa Ana Watershed Project Authority's "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP); and

WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed; and

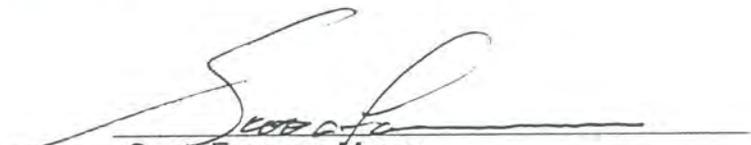
WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWMP will also help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

NOW, THEREFORE, the City Council of the City of Wildomar does hereby resolve as follows:

The City Council of the City of Wildomar supports the OWOW IRWMP in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

PASSED, APPROVED, AND ADOPTED this 22nd day of April, 2009.

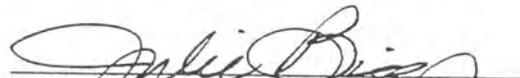

Scott Farnam, Mayor

ATTEST:



Sheryll Schroeder, City Clerk

APPROVED AS TO FORM:



Julie Hayward Biggs, City Attorney

STATE OF CALIFORNIA)
COUNTY OF RIVERSIDE)
CITY OF WILDOMAR)

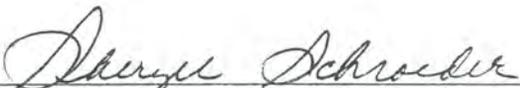
I, Sheryll Schroeder, City Clerk of the City of Wildomar, do hereby certify that the foregoing Resolution No. 09-20 was duly adopted by the City Council of the City of Wildomar at a regular meeting thereof, held on the 22nd day of April, 2009, by the following vote:

AYES: Mayor Farnam, Council Members Moore, Ade, Cashman, Swanson

NOES: None

ABSTAIN: None

ABSENT: None



Sheryll Schroeder, City Clerk



April 15, 2009

Rich Haller, Manager
Engineering and Operations
Santa Ana Watershed Project Authority
11615 Sterling Avenue
Riverside, CA 92503

APR 20 2009

27215 Base Line
Highland, CA 92346
(909) 864-6861
FAX (909) 862-3180
www.ci.highland.ca.us

City Council

Mayor
Penny Lilburn

Mayor Pro-Tem
Ross B. Jones

Larry McCallon
Jody Scott
John P. Timmer

City Manager
Joseph A. Hughes

Re: Resolution of Support for Santa Ana River Watershed Integrated
Regional Water Management Plan

Dear Mr. Haller;

Attached please find an adopted Resolution indicating the support of the City of Highland for the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan. We agree with the goal of the Santa Ana Watershed Project Authority in its effort to maximize the use and quality of the Santa Ana River and the coordination between all the member water agencies.

We wish you success in your future applications for grant money and project funding.

Sincerely,

John Jaquess
Community Development Director

RESOLUTION NO. 2009-006

**A RESOLUTION SUPPORTING THE "ONE WATER ONE WATERSHED"
SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER
MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT OF WATER
RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING**

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP); and

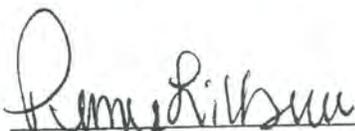
WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed; and

WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWMP also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

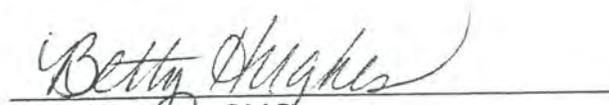
NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Highland hereby supports the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

PASSED, APPROVED AND ADOPTED this 14th day of April, 2009.



Penny Lilburn
Mayor

ATTEST:



Betty Hughes, CMO
City Clerk

STATE OF CALIFORNIA)
COUNTY OF SAN BERNARDINO)
CITY OF HIGHLAND)

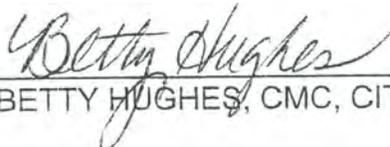
I, BETTY HUGHES, City Clerk of the City of Highland, California, do hereby certify Resolution No. 2009 - 006 was duly and regularly adopted by the City Council of the City of Highland, California, at a regular meeting thereof held on the 14th day of April, 2009, by the following vote:

AYES: Jones, McCallon, Timmer, Mayor Lilburn

NOES: Scott

ABSTAIN: None

ABSENT: None

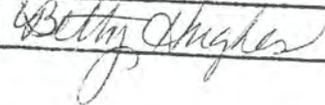


BETTY HUGHES, CMC, CITY CLERK

The foregoing instrument is a full, true and correct copy of the original on file in this office.

Betty Hughes, City Clerk, Highland

Date: 04.15.09

By: 



22795 Barton Road
Grand Terrace
California 92313

Civic Center
(909) 430-2212
Fax (909) 783-7629

City Clerk's
Department

APR 20 2009

April 16, 2009

Ms. Celeste Cantu
Santa Ana Watershed Project Authority
11615 Sterling Avenue
Riverside, CA 92503

Dear Ms. Cantu:

At their regular meeting held April 14, 2009, the City Council of the City of Grand Terrace approved a Resolution supporting the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and its submittal to the Department of Water Resources for Proposition 84, Chapter 2 program funding.

A copy of the Resolution is enclosed for your information.

Sincerely,

Brenda Mesa
City Clerk

enclosure

RESOLUTION NO. 2009-10

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GRAND TERRACE, CALIFORNIA, SUPPORTING THE "ONE WATER ONE WATERSHED" SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP); and

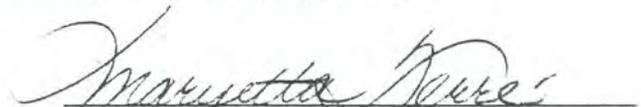
WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed; and

WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWM Plan also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program;

NOW, THEREFORE, BE IT RESOLVED, that the City of Grand Terrace hereby supports the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

PASSED, APPROVED AND ADOPTED this 14th day of April, 2009.



Mayor of the City of Grand Terrace

ATTEST:

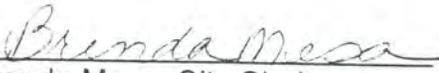


City Clerk of the City of Grand
Terrace

Resolution No. 2009-10
Page 2

I, BRENDA MESA, City Clerk of the City of Grand Terrace, do hereby certify that the foregoing Resolution was introduced and adopted at a regular meeting of the City Council of the City of Grand Terrace held on the 14th day of April, 2009, by the following vote:

AYES: Councilmembers Cortes, Miller and Stanckiewicz; Mayor Pro Tem Garcia
and Mayor Ferre
NOES: None
ABSENT: None
ABSTAIN: None


Brenda Mesa, City Clerk

Approved as to form:


City Attorney



CITY CLERK'S DEPARTMENT
908 Park Avenue
Calimesa, CA. 92320

(909) 795-9801
(909) 795-4399 FAX
dgerdes@cityofcalimesa.net

LETTER OF TRANSMITTAL

APR 17 2009

TO: Celeste Cantu, Santa Ana Watershed Project Authority

FROM: Darlene Gerdes, City Clerk

DATE: April 15, 2009

RE: "One Water One Watershed" Resolution

Attached please find a certified copy of Resolution No. 2009-12 adopted by the Calimesa City Council supporting the One Water One Watershed Plan. This Resolution was adopted on April 6, 2009. Should you have any questions, please do not hesitate to contact my office at (909) 795-9801, ext. 233.

Sincerely,

Darlene Gerdes
City Clerk

RESOLUTION NO. 2009-12

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALIMESA, CALIFORNIA, SUPPORTING THE "ONE WATER ONE WATERSHED" SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP);

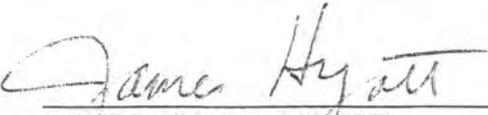
WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed;

WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWMP Plan also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Calimesa hereby supports the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

PASSED, APPROVED AND ADOPTED this 6th day of April, 2009.



JAMES HYATT, MAYOR

ATTEST:



DARLENE GERDES, CITY CLERK

STATE OF CALIFORNIA }
COUNTY OF RIVERSIDE }
CITY OF CALIMESA }

I, **DARLENE GERDES**, City Clerk of the City of Calimesa, do hereby certify that the aforementioned is a true and correct copy of Resolution No. 2009-12 known as:

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CALIMESA, CALIFORNIA, SUPPORTING THE "ONE WATER ONE WATERSHED" SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING.

And which is on file in the Office of the City Clerk, City of Calimesa California.

Said Resolution was adopted by the said City Council at a Regular Meeting thereof held on the 6th day of April, 2009 by the following vote:

- AYES: Mayor Hyatt, Mayor Pro Tem Zanowic, Council Members Davis, McIntire and Quinto.
- NOES: None.
- ABSENT: None.
- ABSTAIN: None.



DARLENE GERDES, CITY CLERK

This 15th day of April, 2009



**Yorba Linda
Water District**

*Reliable and Trusted Service
for More Than 100 Years*

RECEIVED

APR 13 2009

April 10, 2009

SANTA ANA WATERSHED
PROJECT AUTHORITY

Ms. Celeste Cantu
Santa Ana Watershed Project Authority
11615 Sterling Avenue
Riverside, CA 92503

Subject: Draft Integrated Regional Water Management Plan for OWOW

Dear Ms. Cantu:

Thank you for the opportunity to review the subject document prepared by SAWPA. As a member agency of OCWD that borders and depends on the Santa Ana River to replenish the groundwater basin as a well water source, Yorba Linda Water District is vitally concerned with the river and its watershed.

We have reviewed the Draft Integrated Regional Water Management Plan (IRWMP) and applaud your efforts in creating a significant and innovative collaborative planning tool. We are faced with major water challenges that will require collaboration and cooperation of the many stakeholders in the watershed.

The Yorba Linda Water District looks forward to working with SAWPA and other concerned agencies in the development of water resource management strategies to address the challenges at hand.

Sincerely,

Kenneth R. Vecchiarelli
General Manager

RESOLUTION NO. 09-05
A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE YORBA LINDA WATER DISTRICT SUPPORTING THE
“ONE WATER ONE WATERSHED” SANTA ANA RIVER WATERSHED
INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND ITS
SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR
PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the “One Water One Watershed” (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP); and

WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed; and

WHEREAS, the OWOW planning process was conducted in a fair and transparent process working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWMP Plan also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

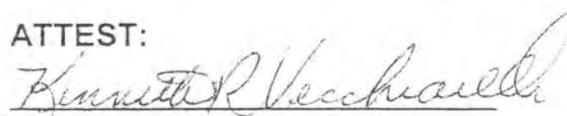
NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Yorba Linda Water District hereby supports the “One Water One Watershed” Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

PASSED AND ADOPTED this 9th day of April 2009 by the following called vote:

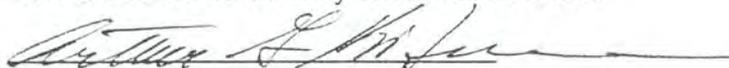
AYES: Directors Armstrong, Beverage, Collett, Mills and Summerfield
NOES: None
ABSENT: None
ABSTAIN: None


John W. Summerfield, President

ATTEST:


Kenneth R. Vecchiarelli, Secretary

Reviewed as to form by General Counsel:


Arthur G. Kidman, Esq.
McCormick, Kidman and Behrens



RESOLUTION NO. 001-09

**A RESOLUTION OF THE BOARD OF THE
SAN JACINTO RIVER WATERSHED COUNCIL (SJRWC)
SUPPORTING THE SANTA ANA RIVER WATERSHED
(ONE WATER ONE WATERSHED)
INTEGRATED REGIONAL WATERSHED MANAGEMENT PLAN
AND
SAWPA AS THE LEAD IRWM AGENCY FOR THE SANTA ANA WATERSHED**

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed including the San Jacinto River Watershed Council (SJRWC) has prepared the Santa Ana River Watershed "One Water One Watershed" (OWOW) Integrated Regional Watershed Management Plan (IRWMP) for the Santa Ana River Watershed; and

WHEREAS, since the formation of SJRWC in 2003, SAWPA has worked closely with SJRWC as a member of the SJRWC Board, as technical support for ongoing SJRWC activities and as administrator of the Lake Elsinore and Canyon Lake TMDL Task Force of which SJRWC helped support and fund; and

WHEREAS, SAWPA actively engaged in the planning process with the SJRWC and San Jacinto Valley stakeholders in the preparation of the SJRWC's Integrated Regional Watershed Management Plan for the San Jacinto River Watershed; and

WHEREAS, SJRWC and many stakeholders within the San Jacinto River Watershed and the Santa Ana River Watershed also participated in the development of the Santa Ana River Watershed OWOW IRWMP planning process; and

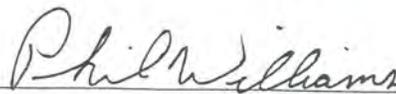
WHEREAS, SAWPA considers the San Jacinto IRWMP an important planning component of the larger Santa Ana OWOW IRWMP and has integrated its findings into the Santa Ana OWOW IRWMP as originally defined in the Proposition 50, Chapter 8 Agreement with the California Department of Water Resources (DWR); and

WHEREAS, DWR is seeking under its Prop 84 Chapter 2 IRWM Program Region Acceptance Process that all integrated regional management organizations coalesce under one submittal per funding area or region, for this case, the Santa Ana region; and

NOW, THEREFORE, BE IT RESOLVED that the Board of the San Jacinto River Watershed Council hereby supports the Santa Ana River Watershed (OWOW) Integrated Regional Watershed Management Plan and agrees to support SAWPA on this first round of funding in its submittal as the single IRWM plan for the Santa Ana River Watershed for the DWR Prop 84 Chapter 2 IRWM program Region Acceptance Process for the benefit of the residents of the San Jacinto Valley and the entire Santa Ana River Watershed. The Board of the San Jacinto River Watershed Council hereby reserves the right to proceed as an individual entity in future Region Acceptance Process endeavors.

ADOPTED this 2nd of April, 2009.

San Jacinto River Watershed Council

By: 
Phil Williams, Chair

RESOLUTION NO. 2009-02

**A RESOLUTION SUPPORTING THE "ONE WATER ONE WATERSHED"
SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL
WATER MANAGEMENT PLAN AND ITS SUBMITTAL TO
THE DEPARTMENT OF WATER RESOURCES FOR
PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING**

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP);

WHEREAS, the OWOW IRWM Plan represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed;

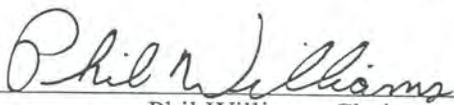
WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWM Plan; and

WHEREAS, the OWOW IRWM Plan also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

NOW, THEREFORE, BE IT RESOLVED that the Board of the Lake Elsinore and San Jacinto Watersheds Authority hereby supports the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding, for the benefit of the residents of the entire Santa Ana River Watershed.

ADOPTED this 16th of April 2009.

Lake Elsinore and San Jacinto Watersheds Authority

By: 
Phil Williams, Chair

RESOLUTION NUMBER 5857

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SEAL BEACH CALIFORNIA SUPPORTING THE "ONE WATER ONE WATERSHED" SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND IT'S SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP); and

WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed; and

WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWMP also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Seal Beach hereby supports the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the Department of Water Resources Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

PASSED, APPROVED AND ADOPTED by the City Council of the City of Seal Beach on this 13th day of April, 2009 by the following vote:

AYES: Councilmembers Antes, Lovitt, Miller, Shanks, Sloan
NOES: Councilmembers None
ABSENT: Councilmembers None
ABSTAIN: Councilmembers None

Frank J. Shanks
Mayor

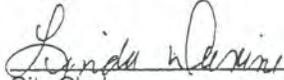
ATTEST:

Deirdre D. Derrine
City Clerk



STATE OF CALIFORNIA }
COUNTY OF ORANGE } SS
CITY OF SEAL BEACH }

I, Linda Devine, City Clerk of Seal Beach, California, do hereby certify that the foregoing resolution is the original copy of Resolution Number 5857 on file in the office of the City Clerk, passed, approved, and adopted by the City Council of the City of Seal Beach, at a regular meeting thereof held on the 13th day of April, 2009.



City Clerk



12374 Michigan Street • Grand Terrace, CA 92313-5602 • (909) 825-4128 • FAX (909) 825-1715

RESOLUTION 2009-01

A RESOLUTION SUPPORTING THE “ONE WATER ONE WATERSHED” SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the “One Water One Watershed” (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP);

WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed;

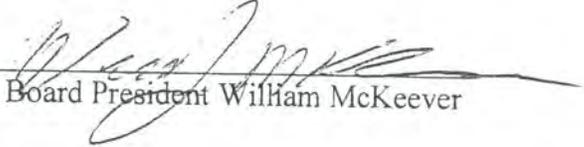
WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWM Plan also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

NOW, THEREFORE, BE IT RESOLVED that the Board of Riverside Highland Water Company hereby supports the “One Water One Watershed” Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

ADOPTED this 26th of March 2009

Riverside Highland Water Company

By: 
Board President William McKeever

RESOLUTION NO. 2009-10

APR 20 2009

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF STANTON, CALIFORNIA, SUPPORTING THE "ONE WATER ONE WATERSHED" SANTA ANA RIVER WATERSHED INTEGRATED REGIONAL WATER MANAGEMENT PLAN AND ITS SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES FOR PROPOSITION 84, CHAPTER 2 PROGRAM FUNDING

WHEREAS, the Santa Ana Watershed Project Authority (SAWPA), working with stakeholders and partners throughout the Santa Ana River Watershed has prepared the "One Water One Watershed" (OWOW) Santa Ana River Watershed Integrated Regional Water Management Plan (IRWMP); and

WHEREAS, the OWOW IRWMP represents one of the most significant and innovative collaborative planning efforts to date in addressing water resources in the Santa Ana River Watershed; and

WHEREAS, the OWOW planning process was conducted in a fair and transparent process, working closely with stakeholders in the watershed in a bottom-up approach in preparing the Santa Ana River Watershed OWOW IRWMP; and

WHEREAS, the OWOW IRWM Plan also will help secure significant funding for resources in the Santa Ana River Watershed through the California Department of Water Resources, Proposition 84, Chapter 2 Integrated Regional Water Management Program.

NOW, THEREFORE, BE IT RESOLVED that the City of Stanton hereby supports the "One Water One Watershed" Santa Ana River Watershed Integrated Regional Water Management Plan and agrees to support SAWPA in its submittal of the Plan, on behalf of the Santa Ana River Watershed, for the DWR Proposition 84, Chapter 2 Integrated Regional Water Management Program funding for the benefit of the residents of the entire Santa Ana River Watershed.

ADOPTED, SIGNED AND APPROVED this 14th day of April, 2009.



A.A. ETHANS, MAYOR

APPROVED AS TO FORM:



RALPH D. HANSON, CITY ATTORNEY

ATTEST:

I, Brenda Green, City Clerk of the City of Stanton, California DO HEREBY CERTIFY that the foregoing Resolution, being Resolution No. 2009-10 has been duly signed by the Mayor and attested by the City Clerk, all at a regular meeting of the Stanton City Council, held on April 14, 2009, and that the same was adopted, signed and approved by the following vote to wit:

AYES: Donahue, Ethans, Royce, Shawver, Warren

NOES: None

ABSENT: None

ABSTAIN: None

Brenda Green
BRENDA GREEN, CITY CLERK

State of California)
County of Orange } SS:
City of Stanton }

I declare under penalty of perjury that this document is a true, and correct copy of the original on file in this office.

ATTEST: Brenda Green DATED: 4-15-09
City Clerk, City of Stanton, California

ATTACHMENT C

Detailed Project Schedule

Project Schedule

| Number | Task | 2010 | | | | 2011 | | | | 2012 | | | |
|----------|--|---------|-------|------|---------|---------|-------|------|---------|---------|-------|------|---------|
| | | January | April | July | October | January | April | July | October | January | April | July | October |
| 1 | Data Gathering and Collaborative Outreach | | | | | | | | | | | | |
| 1.1 | Review and update data sources and information | | | | █ | | | | | | | | |
| 1.2 | Update land use needs outreach | | | | █ | █ | | | | | | | |
| 1.3 | Update description of collaborative procedures | | | | █ | █ | | | | | | | |
| 1.4 | Develop outreach efforts with Native American Tribes | | | | | | █ | █ | █ | | | | |
| 1.5 | Identify ways to assist Disadvantaged Communities | | | | | | | █ | █ | █ | | | |
| 1.6 | Evaluate methods to enhance to land use planning outreach | | | | | | | | █ | █ | | | |
| 2 | Watershed Setting | | | | | | | | | | | | |
| 2.1 | Review data on geography, population, land use | | | | █ | █ | | | | | | | |
| 2.2 | Update watershed physical attributes description | | | | █ | █ | | | | | | | |
| 2.3 | Update basin population & socio-economics | | | | | | █ | █ | | | | | |
| 2.4 | Update description of institutional setting | | | | | | | █ | █ | | | | |
| 2.5 | Update description of legal judgements | | | | | | | | █ | █ | | | |
| 2.6 | Update Regional IRWM Boundary description | | | | | | | | | █ | █ | | |
| 3 | Integrated Regional Water Management Plan Governance | | | | | | | | | | | | |
| 3.1 | Update description SAWPA & its member agencies | | | | █ | █ | | | | | | | |
| 3.2 | Update description of pillar groups (workgroups) | | | | █ | █ | | | | | | | |
| 3.3 | Update description of watershed plan governance | | | | █ | █ | | | | | | | |
| 3.4 | Update description of SAWPA role in plan development | | | | █ | █ | | | | | | | |
| 4 | Water Resource Management Strategies and Integration | | | | | | | | | | | | |
| 4.1 | Update detailed description of water demands and supply | | | | █ | █ | █ | █ | █ | | | | |
| 4.2 | Update detailed description of water quality | | | | █ | █ | █ | █ | █ | | | | |
| 4.3 | Update detailed description of water recycling | | | | █ | █ | █ | █ | █ | | | | |
| 4.4 | Update detailed description of water use efficiency | | | | █ | █ | █ | █ | █ | | | | |
| 4.5 | Update detailed description of water and land use | | | | █ | █ | █ | █ | █ | | | | |
| 4.6 | Update detailed description of flood risk management | | | | █ | █ | █ | █ | █ | | | | |
| 4.7 | Update detailed description of environment and habitat | | | | █ | █ | █ | █ | █ | | | | |
| 4.8 | Update detailed description of parks, recreation and open space | | | | █ | █ | █ | █ | █ | | | | |
| 4.9 | Update detailed description of climate change | | | | █ | █ | █ | █ | █ | | | | |
| 4.10 | Update detailed description of environmental justice | | | | █ | █ | █ | █ | █ | | | | |
| 5 | Climate Change Impact Evaluation and Adaptation Plan | | | | | | | | | | | | |
| 5.1 | Review existing climate change model and analysis | | | | | | | | | █ | █ | | |
| 5.2 | Evaluate changes resulting from climate change impacts | | | | | | | | | | █ | █ | |
| 5.3 | Evaluate GHG emissions from water industry | | | | | | | | | | | █ | █ |
| 5.4 | Evaluate methods to help mitigate Climate Change impacts | | | | | | | | | | | | █ |
| 6 | Funding | | | | | | | | | | | | |
| 6.1 | Update description of Federal, State and local funding sources | | | | | | | | | | | █ | █ |
| 6.2 | Update description of plan funding sources | | | | | | | | | | | █ | █ |
| 7 | Data Management and Plan Performance/Monitoring | | | | | | | | | | | | |
| 7.1 | Update description of data management system | | | | | | | | | | | █ | █ |
| 7.2 | Update description of performance measuring | | | | | | | | | | | █ | █ |
| 8 | Plan Integration, Strategies, Project Review and Implementation | | | | | | | | | | | | |
| 8.1 | Update evaluation of benefits through integration | | | | | | | | | | | █ | █ |
| 8.2 | Update Federal, State and regional goals | | | | | | | | | | | █ | █ |
| 8.3 | Update description of approach to review projects | | | | | | | | | | | █ | █ |
| 8.4 | Compile results of all tasks | | | | | | | | | | | | █ |
| 9 | Study Management | | | | | | | | | | | | |
| 9.1 | Study Management Team established | | | | | █ | █ | | | | | | |
| 9.2 | Identification of the Project Manager | | | | | █ | █ | | | | | | |
| 9.3 | Development of the Plan of Study | | | | | █ | █ | | | | | | |
| 9.4 | Development of a Memorandum of Agreement between Reclamation and Study Partner | | | | | █ | █ | | | | | | |
| 9.5 | Coordination of study activities | | | | | | | | | | | █ | █ |
| 9.6 | Management of the project costs and results | | | | | | | | | | | █ | █ |
| 9.7 | Preparation of all project deliverables | | | | | | | | | | | █ | █ |

- █ Primarily a SAWPA Task
- █ Primarily a Reclamation Task
- █ Reclamation and SAWPA Staff Combined Task