



**CAPITAL
PROJECTS
PLAN**

FY 2011/2012 - 2015/2016

Sonoma County Water Agency

2011-2016 Capital Projects Plan

Overview

Water Agency Mission:

The Sonoma County Water Agency (Water Agency) was created in 1949 by an act of the California State Legislature and is a special district. The law that created the Water Agency gives it the authority to produce and furnish surface water and groundwater for beneficial uses; to control floodwaters; to generate electricity; and to provide recreational facilities in connection with the Water Agency's facilities. Legislation enacted in 1994 added the treatment and disposal of wastewater to the Water Agency's responsibilities. Increasing environmental regulations, including the listing of three Russian River salmonid species as threatened under the Federal Endangered Species Act, have influenced the Water Agency's water supply, flood control and wastewater management activities. Consequently, the Water Agency actively participates in and funds projects involving natural resource (e.g., fisheries, wetlands, etc.) protection, recovery and enhancement. In addition, the Water Agency will be implementing the Russian River Watershed Biological Opinion which issued by NOAA National Marine Fisheries Service in September 2008.

Based on the increasingly complex nature of the Water Agency's activities, it was determined that efforts were needed to better define and focus the Water Agency's mission and objectives in order to make the best use of its limited resources. In 2003, the Water Agency developed its first formal mission statement, which is as follows:

Mission Statement

The mission of Sonoma County Water Agency is to effectively manage the resources in our care for the benefit of people and the environment in our service area.

In the future, the Water Agency believes it will need to manage watersheds using an integrated water management approach. In addition to developing a mission statement, Water Agency staff believed it was also necessary to define a set of guiding principles that the Water Agency expects its employees to follow in carrying out its mission. While the Water Agency's mission has and will likely change over time, the Water Agency's values should be relatively stable and enduring. These values support and guide the decision-making of every employee, helping the organization to accomplish its mission and meet its strategic goals in an appropriate manner. These values are as follows:

Solutions and Innovation

We will focus on finding solutions to the water management challenges we face, whether it is in the day-to-day operation of our systems or the development of long-term programs to meet future needs. We will encourage innovation, creativity, and ingenuity, recognizing that the best solutions often have not been tried before.

People and Teamwork

We believe our employees are our most valuable asset. We respect the diversity of our staff and promote teamwork and mutual respect among all sections of the Water Agency. We also believe that a creative and empowered workplace can inspire staff to use their talents and commitment to fulfill the Water Agency's mission.

Community Service

The Water Agency strives to provide high-quality service to those who rely on our water supply, flood control and sanitation services. We also recognize that we are part of a larger community and believe that we should support the ideas of environmental stewardship and sustainability to improve the quality of life for both present and future generations.

Integrity and Continuous Improvement

Drawing upon the experience of our staff and the needs of our employees, our customers and our community, we will strive to make decisions in a sound and reasonable manner. We believe that our communication with others should be honest and sincere. We will also strive to continuously improve the services we provide and the quality of our workplace.

This mission statement and the Water Agency's values have been incorporated into the Water Agency's Strategic Plan. This plan guides the Water Agency as it addresses the challenges it faces in meeting its goals and objectives. Each set of projects in this Capital Projects Plan has been linked to a specific objective in the Water Agency's Strategic Plan.

Water Agency Objectives:

Water Transmission System

The Water Agency is the primary provider of potable water to eight water contractors. The water contractors include the cities of Santa Rosa, Petaluma, Sonoma, Rohnert Park, Cotati, and the Town of Windsor, and the Valley of the Moon and North Marin Water Districts. The Water Agency is responsible for the planning, environmental review, design, and construction of capital improvement projects to expand the water transmission system that serves the water contractors as required under the terms and conditions specified in the Restructured Water Supply Agreement (Agreement). The water contractors' Water Advisory Committee (WAC) and/or Technical Advisory Committee (TAC) meets regularly (WAC quarterly and TAC monthly) with the Water Agency to discuss the scheduling and financing of water transmission system projects and other water transmission system issues. Capital improvements made to the water transmission system are funded from the Storage Facilities Fund, the Pipeline Facilities Funds, and the Common Facilities Fund to meet the needs of the water contractors for the facilities identified under the Agreement. Capital projects have been scheduled to accommodate funding limitations, to provide the least disruption to existing facilities and water contractors, and to allow an orderly and timely start-up to meet the conditions of the Agreement or any new laws or regulations governing drinking water suppliers.

Sanitation Zones

The Water Agency owns and operates four sanitation zones, which include Airport-Larkfield-Wikiup, Geyserville, Pengrove, and Sea Ranch. The sanitation zones operate as zones of benefit, similar to the Water Agency's flood control zones.

Sanitation projects are scheduled according to the specific needs for each zone. Funding of projects may be accomplished by Federal and/or State grants, state revolving fund loans, certificates of participation, notes, revenue bonds, or on a pay-as-you-go basis.

This 5-year plan includes funding for projects to replace, upgrade, or expand the collection, treatment, and disposal/reclamation facilities for most of the sanitation zones. The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

Sanitation Districts

The Water Agency is also responsible for the overall management (including operation) of four County Sanitation Districts. The four districts include Occidental, Russian River, Sonoma Valley, and South Park. Each County Sanitation District exists as a separate legal entity.

This 5-year plan includes funding for projects to replace, upgrade, or expand the collection, treatment, and disposal/reclamation facilities for the County Sanitation Districts. The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

Water Agency Capital Projects Plan:

The Water Agency's Capital Projects Plan identifies projects to be constructed over the next five years totaling approximately \$252 million, all of which are designed to meet the Water Agency's mission and mandate. The Water Agency was created in 1949 by an act of the California State Legislature and is a special district. The law that created the Water Agency gives it the authority to produce and furnish surface water and groundwater for beneficial uses; to control floodwaters; to generate electricity; and to provide recreational facilities in connection with the Water Agency's facilities. Legislation enacted in 1994 added the treatment and disposal of wastewater to the Water Agency's responsibilities.

Water Transmission

This 5-year plan includes funding for 25 projects related to storage, pipeline, and common facilities for the water transmission system. The total projected cost for these projects is approximately \$162 million. This list of projects also includes construction projects required by the Biological Opinion. The Water Agency is identifying potential water supply sources and facilities to meet expected future water demands. The projects identified in this section of the plan meet the objectives in Section 1.0 (Water Supply Services) of the Water Agency's Strategic Plan.

Water Supply

Russian River Projects Fund, Recycled Water Fund, and Warm Springs Dam Fund

These three funds are used: (1) to pay the costs for water supply and erosion control activities along the Russian River arising from assurances given by the Water Agency for the construction of the Coyote Valley Dam Project and Warm Springs Dam Project; (2) to pay the costs incurred by the Water Agency in securing and defending the Water Agency's appropriative water rights necessary for the realization of the full benefit of those projects; (3) to pay the costs incurred by the Water Agency in operating the Coyote Valley Dam and Warm Springs Dam Projects, (4) to pay the costs for water supply issues arising from activities of the Potter Valley Project; and (5) for fishery enhancement programs to ensure compliance with environmental regulations.

In this 5-year plan, the Russian River Projects Fund provides for continued studies of various proceedings for the Potter Valley Project. The Warm Springs Dam Fund will fund three projects as part of the implementation of the Biological Opinion. The projects identified in this section of the plan meet the objectives of Section 1.0 (Water Supply Services) and of Section 2.0 (Flood Protection Services) of the Water Agency's Strategic Plan.

General District Funds

These funds include the General Fund and the Spring Lake Park Fund.

General Fund projects include the development of a water education program and public park on the newly acquired Rockpile Road property.

The Spring Lake Park Fund provides for occasional construction projects in Spring Lake Park. Spring Lake Park is a public park owned by the Water Agency and operated under contract by the Sonoma County Regional Parks Department.

In this 5-year capital plan, there are no identified capital projects for Spring Lake Park.

Internal Service Fund

The Internal Service Fund provides for: (1) building improvements to the Administration building, Service Center, and Operations and Maintenance building at the Water Agency's West College Avenue site; (2) building improvements to the Administration building at the Water Agency's 404 Aviation Boulevard site; (3) building improvements to the maintenance facilities located at the Airport Treatment Plant; (4) the building improvements to the Water Agency's 1315 Airport Boulevard site; and (5) funding of new building sites and other land purchases.

The new operations and maintenance building located at 1315 Airport Boulevard was purchased in 2008, and will be remodeled to house the operations and maintenance staff. The current 5-year plan includes funding for the tenant improvements of the 1315 Airport Boulevard building and the cost to construct a new building and renovate an existing building at the ALW WWTP for the relocation of the fleet center. Upon completion of these projects, the Water Agency operations and maintenance staff will vacate the 2150 West College facility. The current ISF budget also includes funds for the drafting of a Request for Proposals for development of a Workforce Housing project on the 2150 West College site.

In this 5-year plan, there are three capital projects identified for the Internal Service Fund. The projects identified in this section of the plan meet the Objectives in Section 8.0 (Business Practices and Sustainability) of the Water Agency's Strategic Plan.

Special Revenue Funds – Flood Control Zones

The Special Revenue Funds described below are used to construct and improve flood control facilities and to provide program support services for the flood control zones in Sonoma County. Common types of features constructed to help alleviate flooding are channelization works, bypass conduit systems, and diversion systems. In addition, natural systems are maintained to provide flood control capacity.

Sonoma County is divided into nine major watershed areas. Flood control zones were created encompassing eight of these watersheds. Zone 1A (Laguna-Mark West), Zone 2A (Petaluma River), and Zone 3A (Valley of the Moon/Upper Sonoma Creek) have the most active flood control programs. Zone 4A (Upper Russian River) and Zone 6A (Dry Creek) are completely inactive. Zone 5A (Lower Russian River) and Zone 8A (South Coastal) are less active than Zones 1A, 2A, and 3A, with only ongoing maintenance of existing facilities being performed. Zone 7A (North Coastal) has minimal fund reserves earning interest. The ninth watershed area, covering the lower portions of Sonoma Creek and the Petaluma River, was never established as a zone.

Flood control zones were created to reduce the frequency of flooding within the zone through construction of facilities to safely handle projected storm flows. An appointed advisory committee for each active zone meets regularly to make recommendations to the Water Agency's Board of Directors regarding priorities for construction of drainage facilities within each zone. Each proposed project is evaluated using criteria covering historical flooding problems, areas benefited, alternative funding available, special safety and health factors, coordination with other public projects, and environmental concerns.

Flood Control Zone 1A is the watershed area that drains into and includes the Laguna de Santa Rosa and Mark West Creek.

Flood Control Zone 2A is the watershed area in Sonoma County that drains into and includes the Petaluma River, with the exception of the most southerly portion of the area, which consists primarily of reclaimed tidelands.

Flood Control Zone 3A is the watershed area in Sonoma County that drains into and includes Sonoma Creek, generally north of Highway 121.

The primary funding source for all three Zones is an ad valorem property tax. In the past, capital projects in Zone 1A and 2A were also funded by a voter-approved ten-year benefit assessment program for flood control, which ended June 30, 2007. Some additional funds are sometimes available from cities, the County, and community development sources to construct flood control projects.

In this 5-year plan, there are four projects identified for funding in Zone 1A, three projects identified for funding in Zone 2A, and seven projects identified for funding in Zone 3A. The Water Agency will not take the lead on all of these projects, but will provide administration services and funding for these projects through the flood control zones. Funding provided by

partner entities are not included in the project costs presented in this plan. The projects identified in this section of the plan meet the Objectives of Section 2.0 (Flood Protection Services) of the Water Agency's Strategic Plan.

Scheduling of Projects:

Please refer to the attached Funding Summary spreadsheets for the various project timelines.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Sonoma County Water Agency

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Laguna-Mark West Zone 1A	\$ 4,645,808	\$ 765,000	\$ 2,274,000	\$ 278,080	\$ 1,112,242	\$ 216,486
Petaluma River Zone 2A	\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000
Valley of the Moon Zone 3A	\$ 3,710,000	\$ 1,110,000	\$ 400,000	\$ 2,000,000	\$ 200,000	\$ -
Subtotal Flood Control	\$ 14,005,808	\$ 3,625,000	\$ 5,674,000	\$ 2,578,080	\$ 1,612,242	\$ 516,486
Water Supply Fund	\$ 18,445,687	\$ 3,155,400	\$ 8,139,180	\$ 2,681,272	\$ 1,007,055	\$ 3,462,780
General District Fund	\$ 2,875,000	\$ 455,000	\$ 2,105,000	\$ 105,000	\$ 105,000	\$ 105,000
Internal Service Fund	\$ 776,306	\$ 776,306	\$ -	\$ -	\$ -	\$ -
Water transmission Funds						
Storage Facilities Fund	\$ 4,075,000	\$ 75,000	\$ -	\$ 4,000,000	\$ -	\$ -
Pipeline Facilities Fund	\$ 124,208,904	\$ 1,161,000	\$ 513,000	\$ -	\$ 25,214,975	\$ 97,319,929
Common Facilities Fund	\$ 34,261,294	\$ 2,027,000	\$ 2,110,000	\$ 9,425,000	\$ 13,949,294	\$ 6,750,000
Sub-Total of Water Facilities Funds	\$ 162,545,198	\$ 3,263,000	\$ 2,623,000	\$ 13,425,000	\$ 39,164,269	\$ 104,069,929
Subtotal Sanitation Funds	\$ 54,166,089	\$ 10,621,670	\$ 16,819,419	\$ 16,124,000	\$ 5,971,000	\$ 4,630,000
	0					
	0					
Total Non-County Funds:	\$ 252,814,088	\$ 21,896,376	\$ 35,360,599	\$ 34,913,352	\$ 47,859,566	\$ 112,784,195

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Sonoma County Water Agency Totals:	\$ 252,814,088	\$ 21,896,376	\$ 35,360,599	\$ 34,913,352	\$ 47,859,566	\$ 112,784,195

Comments, Footnotes, or other.

FLOOD CONTROL ZONES

Changes from Prior Plans:

Zone 1A (Laguna-Mark-West Creek)

No new projects were added to the capital plan for Zone 1A for FY 2011-2012 through FY 2015-2016.

Zone 2A (Petaluma)

No new projects were added to the list of capital projects for Zone 2A in the FY 2011-2012 through FY 2015-2016 capital plan. ***Zone 3A (Valley of the Moon)***

Four new projects were added to the list of capital projects for Zone 3A in the FY 2011-2012 through FY 2015-2016 capital plan. The Water Agency added two demonstration projects with the City of Sonoma regarding low impact development and two projects with the Sonoma Ecology Center regarding watershed impacts.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Flood Control Funding

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Laguna-Mark West Zone 1A	\$ 4,645,808	\$ 765,000	\$ 2,274,000	\$ 278,080	\$ 1,112,242	\$ 216,486
Petaluma River Zone 2A	\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000
Valley of the Moon Zone 3A	\$ 3,710,000	\$ 1,110,000	\$ 400,000	\$ 2,000,000	\$ 200,000	\$ -
	0					
	0					
	0					
Total Non-County Funds:	0	0	0	0	0	0

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Flood Control Funding Totals:	\$ 14,005,808	\$ 3,625,000	\$ 5,674,000	\$ 2,578,080	\$ 1,612,242	\$ 516,486

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Flood Control Zone 1A**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Laguna-Mark West Zone 1A	\$ 4,645,808	\$ 765,000	\$ 2,274,000	\$ 278,080	\$ 1,112,242	\$ 216,486
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 4,645,808	\$ 765,000	\$ 2,274,000	\$ 278,080	\$ 1,112,242	\$ 216,486

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Flood Control Zone 1A Funding Totals:	\$ 4,645,808	\$ 765,000	\$ 2,274,000	\$ 278,080	\$ 1,112,242	\$ 216,486

Comments, Footnotes, or other.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Flood Control Zone 2A

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Petaluma River Zone 2A	\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Flood Control Zone 2A Funding Totals:	\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Projects Plan List/Project Cost
2011 through 2016
Flood Control Zone 2A**

Major Repair and Replacement:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Improvements:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
SSCRCD Future Projects		\$ 1,200,000		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Upper Pet. Riv Flood Proj-Feas./Predesign/CEQA		\$ 1,000,000	\$ 1,000,000				
Upper Pet. Riv Flood Proj-Des/Construc		\$ 3,450,000	\$ 750,000	\$ 2,700,000			
		\$ -					
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000

Major Projects with Undetermined Funding:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Flood Control Zone 2A Total:		\$ 5,650,000	\$ 1,750,000	\$ 3,000,000	\$ 300,000	\$ 300,000	\$ 300,000

Comments, Footnotes, and other items.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Flood Control Zone 3A Funding

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	\$ 3,710,000	\$ 1,110,000	\$ 400,000	\$ 2,000,000	\$ 200,000	\$ -
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 3,710,000	\$ 1,110,000	\$ 400,000	\$ 2,000,000	\$ 200,000	\$ -

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Flood Control Zone 3A Funding Totals:	\$ 3,710,000	\$ 1,110,000	\$ 400,000	\$ 2,000,000	\$ 200,000	\$ -

Comments, Footnotes, or other.

WATER SUPPLY

Changes from Prior Plans:

The current plan includes projects related to the implementation of the Biological Opinion and projects derived from the Water Agency's Local Hazard Mitigation Plan

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Water Facilities Funding

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Water Supply Fund	\$ 18,445,687	\$ 3,155,400	\$ 8,139,180	\$ 2,681,272	\$ 1,007,055	\$ 3,462,780
General District Fund	\$ 2,875,000	\$ 455,000	\$ 2,105,000	\$ 105,000	\$ 105,000	\$ 105,000
Internal Service Fund	\$ 776,306	\$ 776,306	\$ -	\$ -	\$ -	\$ -
Water Transmission Funds						
Storage Facilities Fund	\$ 4,075,000	\$ 75,000	\$ -	\$ 4,000,000	\$ -	\$ -
Pipeline Facilities Fund	\$ 124,208,904	\$ 1,161,000	\$ 513,000	\$ -	\$ 25,214,975	\$ 97,319,929
Common Facilities Fund	\$ 34,261,294	\$ 2,027,000	\$ 2,110,000	\$ 9,425,000	\$ 13,949,294	\$ 6,750,000
Sub-Total of Water Facilities Funds	\$ 162,545,198	\$ 3,263,000	\$ 2,623,000	\$ 13,425,000	\$ 39,164,269	\$ 104,069,929
Total Non-County Funds:	\$ 184,642,191	\$ 7,649,706	\$ 12,867,180	\$ 16,211,272	\$ 40,276,324	\$ 107,637,709

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Water Facilities Fund Totals:	\$ 184,642,191	\$ 7,649,706	\$ 12,867,180	\$ 16,211,272	\$ 40,276,324	\$ 107,637,709

Comments, Footnotes, or other.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Water Supply Fund

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Recycled Water	\$ -		\$ -			
Warms Springs Dam	\$ 10,138,580	\$ 1,072,400	\$ 2,075,313	\$ 2,621,032	\$ 957,055	\$ 3,412,780
Russian River Projects	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Total Non-County Funds:	\$ 10,388,580	\$ 1,122,400	\$ 2,125,313	\$ 2,671,032	\$ 1,007,055	\$ 3,462,780

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Water Supply Fund Totals:	\$ 10,388,580	\$ 1,122,400	\$ 2,125,313	\$ 2,671,032	\$ 1,007,055	\$ 3,462,780

Comments, Footnotes, or other.

GENERAL DISTRICT FUND

Changes from Prior Plans:

No new projects were added to the General District Fund.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
General District Fund**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
General District Fund	\$ 2,875,000	\$ 455,000	\$ 2,105,000	\$ 105,000	\$ 105,000	\$ 105,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 2,875,000	\$ 455,000	\$ 2,105,000	\$ 105,000	\$ 105,000	\$ 105,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
General District Funding Totals:	\$ 2,875,000	\$ 455,000	\$ 2,105,000	\$ 105,000	\$ 105,000	\$ 105,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Projects Plan List/Project Cost
2011 through 2016
General District Fund**

Major Repair and Replacement:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Equipment		\$ 50,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Office Equipment		\$ 150,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Computer Equipment	Replace Monitors & Hardware Upgd	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Field Equipment	Lab/Industrial Waste: Misc Equip	\$ 75,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ 525,000	\$ 105,000				

Improvements:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Rockpile Road - Education Program		\$ 2,350,000	\$ 350,000	\$ 2,000,000			
		\$ -					
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ 2,350,000	\$ 350,000	\$ 2,000,000	\$ -	\$ -	\$ -

Major Projects with Undetermined Funding:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General District Fund Total:		\$ 2,875,000	\$ 455,000	\$ 2,105,000	\$ 105,000	\$ 105,000	\$ 105,000

Comments, Footnotes, and other items.

INTERNAL SERVICE FUND

Changes from Prior Plans:

No new projects were added to the Internal Service Fund

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Internal Services Fund**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Facilities Fund	\$ 776,306	\$ 776,306	\$ -	\$ -	\$ -	\$ -
Power Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -					
Total Non-County Funds:	\$ 776,306	\$ 776,306	\$ -	\$ -	\$ -	\$ -

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Internal Services Funding Total:	\$ 776,306	\$ 776,306	\$ -	\$ -	\$ -	\$ -

Comments, Footnotes, or other.

WATER TRANSMISSION SYSTEM

Changes from Prior Plans:

Storage Facilities

No new projects were added to the FY 2011-2012 through FY 2015-2016 capital plan for Storage Facilities.

Pipeline Facilities

Minor scheduling changes were made.

Common Facilities

Minor scheduling changes were made to projects related to the Natural Hazard Assessment/Mitigation plan. No new projects were added to the FY 2011-2012 through FY 2015-2016 capital plan for Common Facilities.

Cost and Financing

Please refer to the attached Funding Summary spreadsheets for the various project costs and financing.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Water Transmission Fund

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Storage Facilities Fund	\$ 4,075,000	\$ 75,000	\$ -	\$ 4,000,000	\$ -	\$ -
Pipeline Facilities Fund	\$ 124,208,904	\$ 1,161,000	\$ 513,000	\$ -	\$ 25,214,975	\$ 97,319,929
Common Facilities Fund	\$ 34,261,294	\$ 2,027,000	\$ 2,110,000	\$ 9,425,000	\$ 13,949,294	\$ 6,750,000
Total Non-County Funds:	\$ 162,545,198	\$ 3,263,000	\$ 2,623,000	\$ 13,425,000	\$ 39,164,269	\$ 104,069,929

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Water Transmission Totals:	\$ 162,545,198	\$ 3,263,000	\$ 2,623,000	\$ 13,425,000	\$ 39,164,269	\$ 104,069,929

Comments, Footnotes, or other.

SANITATION DIVISION

Airport-Larkfield-Wikiup Sanitation Zone

The Airport-Larkfield-Wikiup Sanitation Zone (Airport SZ) treatment facility was originally designed as a zero discharge facility with the ability to treat wastewater to secondary wastewater treatment standards. The treatment facility was initially constructed in 1983 and has been expanded twice since then (1989 and 1997). The treatment facility currently has a capacity of 0.9 mgd.

Funding is being allocated in FY 2011-2012 through FY 2015-2016 to make improvements to the plant wastewater treatment process, the filtration system, and for future maintenance to remove and dispose of sludge. The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

Geyserville Sanitation Zone

The Geyserville Sanitation Zone (Geyserville SZ) treatment facility became operational in 1981 and is designed to treat an average dry weather flow of up to 92,000 gallons per day. Based on the 1996 Report of Waste Discharge prepared for the Geyserville SZ, current and future treatment facility inflows are expected to remain less than the treatment and disposal capacity of the Geyserville SZ facilities. Accordingly, an annual maintenance budget has been included, but there are no expansions to the treatment and disposal facilities planned at this time. The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

Occidental County Sanitation District

The Occidental County Sanitation District (Occidental CSD) treatment plant first became operational in 1950 and was upgraded in 1970 and 1975. The plant is designed to treat an average daily dry weather flow of up to 50,000 gallons per day to secondary treatment standards. Each year, between October 1 and May 14, treated wastewater from the Occidental CSD is discharged into Dutch Bill Creek under a permit from the NCRWQCB. During the balance of the year, treated wastewater is used for irrigation.

The Occidental CSD is facing very serious financial and operational difficulties. Operating revenues are not sufficient to fund ongoing operations, maintenance and administration activities for this district, regardless the district is under orders from the NCRWCB to upgrade its treatment process. Without near term improvement of the facilities and treatment processes, the Occidental CSD's ability to comply with the conditions of its operating permit remains in doubt.

During FY 1997-1998, the Occidental CSD was faced with a Civil Lawsuit under the Clean Water Act and an Administrative Civil Liability (Order No. 97-75) was officially adopted by the NCRWQCB in August 1997 as a result of violations. Increased requirements for sampling and chemical usage have impacted the Occidental CSD's operational expenses.

- In addition to the requirements specified above, Cease and Desist Order 97-74 and Time Schedule Order 97-75 required Occidental CSD and Sonoma County Water Agency (Water Agency) to address violations at the treatment facility. In response, these orders

the District has itself or in cooperation with the Camp Meeker Recreation and Parks District prepared several EIRs for projects that would address the Regional Board's Orders. Such alternatives evaluated have included a standalone treatment plant that would serve the District and Camp Meeker, a leach field disposal project and construction of a pipeline to the Russian River CSD treatment plant. Because of funding and technical constraints, the District has not been able to implement such a project.

The above NCRWQB orders have been modified several times over the past 10 years in order for the District to pursue these various long-term solutions to its wastewater treatment needs. Most recently the NCRWCH issued Cease and Desist Order No. R1-2005-0085 and Time Schedule Order No. R1-2005-0086, which extended the deadlines for completion of an interim project and a Capital Improvement Project (CIP) to solve OCSD's regulatory issues. The interim project (an upgrade to the collection system) was completed in December 2007. The CIP, a project to resolve issues at the treatment plant was to be completed by June 30, 2010. There are several interim deadlines related to the completion of an environmental document. The strategy to meet the needs of the District and the regulatory requirements has been determined to be to take the treatment to a zero-discharge status. This will involve several discreet projects to provide storage and irrigation of treated wastewater. The ability to increase rates in this district is limited, and funding for the above projects will be financed mostly through outside funding. The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

Penngrove Sanitation Zone

Water Agency operations in the Penngrove Sanitation Zone (Penngrove SZ) are limited to administrative services and operation/maintenance of the collection system and pumping station. The wastewater collected by the Penngrove SZ collection system flows through the City of Petaluma's collection system to the City of Petaluma's wastewater treatment facility. Wastewater generated by the Penngrove SZ and Petaluma is treated to meet tertiary standards at the City of Petaluma's treatment facility.

The City of Petaluma's new water recycling facility has been completed. The new facility will include extended aeration, secondary clarifiers, oxidation ponds, tertiary filters, UV disinfection, and treatment wetlands. The project is expected to cause a significant increase in the annual service charge over the next five years. These rate increases, when implemented by the City of Petaluma, will be passed on to the Penngrove SZ customers.

There is one project, for the renovation of the lift station, included in the capital plan for FY 2011-2012 through FY 2015-2016.

Russian River County Sanitation District

The Russian River County Sanitation District (Russian River CSD) treatment plant was completed in September of 1980 and began operating in 1982. The Russian River CSD treatment plant is designed to treat an average dry weather flow (ADWF) of up to 0.71 million gallons per day (mgd) to advanced (tertiary) wastewater treatment standards.

The Russian River CSD has an easement on approximately 77 acres of forest area adjacent to the treatment plant (referred to as the Burch property). Seventeen acres of the easement are the best suited for irrigation purposes and are currently used for wastewater disposal through spray

irrigation. In addition, approximately 43 acres of turf at the Northwood Golf Course is irrigated with tertiary treated wastewater. Expansion of the dry weather disposal area is necessary in order to ensure adequate disposal of dry weather inflow.

The treatment plant has historically experienced operational difficulties associated with major flooding on the Russian River. Soon after Water Agency assumed operations of the facility in 1996, engineering and environmental documentation was begun to address operational problems associated with Russian River flood events, the irrigation system, and obsolete equipment at the Russian River CSD treatment plant. Work on an environmental impact report (EIR) began in 1997.

The NCRWQCB adopted a series of enforcement orders for the Russian River CSD in reaction to violations associated with flood events. In response, the Russian River CSD began implementation of a series of short- and long-term projects aimed at bringing the facility into compliance. The facility was brought into compliance with the completion of the Third Unit Process project in early 2005. This project, along with modifications to the lift station operations during flooding events in the Guerneville area allows the treatment plant to pass all influent through the full treatment process. This was not possible during flood events prior to completion of the Third Unit Process Project.

The capital plan for the FY 2011-2012 through FY 2015-2016 at the Russian River CSD includes the following: (1) planning for an equalization basin; (2) Capital Replacement of the Main Sewer Trunk; and (3) disposal and irrigation of wastewater. The projects in this section of the plan meet the objectives in Section 7.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

Sea Ranch Sanitation Zone

The Sea Ranch Sanitation Zone (Sea Ranch SZ) consists of two wastewater collection and treatment systems located in Central and North Sea Ranch. The Central and North treatment facilities both provide treatment to secondary wastewater treatment standards. Their collection and disposal systems operate independently and are isolated from each other. The Central and North treatment facilities are designed to treat average daily dry weather flows of up to 27,000 and 160,000 gallons per day, respectively. Treated wastewater from the Central treatment facility is disposed of through irrigation on land that is adjacent to the treatment facility. The North treatment facility treated wastewater is pumped to the Gualala Community Services District's (GCSD) wastewater treatment facility for additional treatment to tertiary standards. The combined effluent of North and GCSD's treatment facility is disposed of through irrigation on the Sea Ranch Golf Links. The Sea Ranch Water Company is under contract to operate and maintain the Sea Ranch SZ facilities for the Water Agency.

The Water Agency and the Sea Ranch Association, owner of the Sea Ranch Water Company, continue to investigate options for the continued operation of the Sea Ranch SZ. Options being considered include executing an agreement between the Water Agency and the Sea Ranch Association for the continued operation of the sewer facilities and the transfer of all assets, liabilities, and management responsibilities to the Association.

There are no projected capital costs for FY 2011-2012 through FY 2015-2016.

Sonoma Valley County Sanitation District

The Sonoma Valley County Sanitation District (Sonoma Valley CSD) provides sewage collection, tertiary level treatment of wastewater, and disposal service for the Sonoma Valley area. Wastewater is collected by a gravity system and flows to the Sonoma Valley CSD wastewater treatment facility for processing. Recycled water is used to irrigate local crops during the summer. During the winter, treated wastewater is discharged to San Pablo Bay via Schell Slough and Hudeman Slough. The Sonoma Valley CSD treatment facility is designed to treat an average daily dry weather flow of up to 3.0 million gallons per day. In April 2002, the Sonoma Valley CSD completed a wet weather overflow prevention study (a study that complied with a SFBRWQCD issuance of a Notice of Violation for sewer system overflows in April of 1999). This study identified areas within the Sonoma Valley CSD collection system where repair and/or replacement projects were most needed. The study identified \$45 million dollars worth of trunk main and collection system projects. The Sonoma Valley CSD has implemented a capital replacement program with the long-term intent of replacing these pipeline sections.

The Sonoma Valley CSD has completed a substantial number of repairs and improvements in the last five fiscal years, and has plans to complete a number of significant projects in the next five years to address remaining deficiencies. In the next five years, the following capital projects are programmed: a bio-solids handling facility; a recycled water storage reservoir; recycled water pipelines; and main sewer trunk repair and replacement, Napa-Sonoma Salt Marsh and North San Pablo Bay recycled water projects. In addition to the above projects, the five-year fiscal plan includes the Napa-Sonoma Salt Marsh project and the North San Pablo Bay Project. The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency's Strategic Plan.

South Park County Sanitation District

The South Park County Sanitation District (South Park CSD) provides service to the South Park area using a gravity collection system and lift station at Todd Road. Wastewater from South Park CSD is treated and disposed of by the City of Santa Rosa at the Laguna Sub-regional Treatment Plant on Llano Road. In July 1996, the City of Santa Rosa accepted responsibility for the operation and routine maintenance of the collection system.

An agreement for transfer of responsibility to the City of Santa Rosa of collection system operation and maintenance, and subsequent dissolution of the South Park CSD, was finalized on February 1996 and most recently amended in April 2004. Under this agreement, the South Park CSD will be dissolved and transferred to the City of Santa Rosa no later than June 30, 2011. Negotiations have begun to extend this agreement. The agreement also requires the South Park CSD to replace, slip-line, or repair 41,610 feet of the collection system and upgrade the Todd Road lift station before transfer of the South Park CSD to the City of Santa Rosa.

South Park CSD is presently replacing or planning to replace three sections of the collection system between FY 2011-2012 through FY 2015-2016. Projects identified may include: Moorland Avenue, East Robles and Santa Rosa Avenue, Meekland Court/Gloria Drive, the Blackwell Tract, and an area surrounding Biwana Lane. The collection system projects identified above, along with previously completed projects and several projects yet to be identified, will fulfill South Park CSD's responsibilities as required in the dissolution agreement with the City of Santa Rosa.

On December 22, 1998, the NCRWQCB released a draft Cleanup and Abatement Order (CAO) for halogenated volatile organic compounds (HVOCs) found in soil and groundwater in the vicinity of Sebastopol Road and West Avenue in the South Park CSD service area. The draft CAO specified that HVOCs found in the soil and groundwater are the result of a release from the South Park CSD collection system. Potential costs for investigation, remediation, and legal work related to HVOCs in soil and groundwater are substantial (\$2-\$10 million) and have not been included in this capital plan. Rather than finalize the draft CAO, the South Park CSD, County of Sonoma, and the NCRWQCB entered into a cooperative agreement in July 1999 referred to as the “Plan of Action for HVOC Investigation and Mitigation in the Roseland Area” (Plan of Action). As part of the Plan of Action, South Park CSD has performed an investigation of the extent of HVOCs in groundwater in the vicinity of West Avenue and Sebastopol Road. A final report summarizing the results of this investigation was submitted to the NCRWQCB in February 2002. The South Park CSD and the County are currently working with the NCRWQCB to coordinate groundwater studies by other parties for related groundwater contamination issues in the Roseland area. Upon completion of these studies, it is anticipated that remediation strategies will be developed by the South Park CSD, Sonoma County, NCRWQCB, and other parties associated with these groundwater issues.

The projects in this section of the plan meet the objectives in Section 3.0 (Wastewater and Recycled Water Services) in the Water Agency’s Strategic Plan.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016

Sanitation Zones and County Sanitation Districts

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Airport/Larkfield/Wikiup Sanitation Zone Construction Fund	\$ 3,474,000	\$ 394,000	\$ 450,000	\$ 2,000,000	\$ -	\$ 630,000
Geyserville Sanitation Zone Construction Fund	\$ 150,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Occidental County Sanitation District Construction Fund	\$ 5,599,000	\$ 327,000	\$ 568,000	\$ 2,760,000	\$ 1,344,000	\$ 600,000
Penngrove Sanitation Zone Construction Fund	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
Russian River County Sanitation District Construction Fund	\$ 8,550,000	\$ 250,000	\$ 1,100,000	\$ 6,500,000	\$ 500,000	\$ 200,000
Sea Ranch Sanitation Zone Construction Fund	\$ 90,000	\$ -	\$ 10,000	\$ 20,000	\$ 30,000	\$ 30,000
Sonoma Valley County Sanitation District Construction Fund	\$ 27,421,297	\$ 4,916,878	\$ 14,433,419	\$ 4,794,000	\$ 277,000	\$ 3,000,000
South Park County Sanitation District Construction Fund	\$ 8,781,792	\$ 4,603,792	\$ 228,000	\$ 20,000	\$ 3,790,000	\$ 140,000
Total Sanitation Funds	\$ 54,166,089	\$ 10,621,670	\$ 16,819,419	\$ 16,124,000	\$ 5,971,000	\$ 4,630,000
Total Non-County Funds:	\$ 54,166,089	\$ 10,621,670	\$ 16,819,419	\$ 16,124,000	\$ 5,971,000	\$ 4,630,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Sanitation Totals:	\$ 54,166,089	\$ 10,621,670	\$ 16,819,419	\$ 16,124,000	\$ 5,971,000	\$ 4,630,000

Comments, Footnotes, or other.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Airport Larkfield Wikiup Sanitation Zone

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
ALW Sanitation Zone	\$ 3,474,000	\$ 394,000	\$ 450,000	\$ 2,000,000	\$ -	\$ 630,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 3,474,000	\$ 394,000	\$ 450,000	\$ 2,000,000	\$ -	\$ 630,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
ALW Sanitation Zone Funding Totals:	\$ 3,474,000	\$ 394,000	\$ 450,000	\$ 2,000,000	\$ -	\$ 630,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Geyserville Sanitation Zone**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Geyserville Sanitation Zone	\$ 150,000	\$ 30,000				
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 150,000	\$ 30,000				

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Geyserville Sanitation Zone						
Funding Totals:	\$ 150,000	\$ 30,000				

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Penngrove Sanitation Zone**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Penngrove Sanitation Zone	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds: Penngrove Sanitation Zone	0	0	0	0	0	0
Funding Totals:	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Sea Ranch Sanitation Zone**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Sea Ranch Sanitation Zone	\$ 90,000	\$ -	\$ 10,000	\$ 20,000	\$ 30,000	\$ 30,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 90,000	\$ -	\$ 10,000	\$ 20,000	\$ 30,000	\$ 30,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Sea Ranch Sanitation Zone Funding						
Totals:	90000	0	10000	20000	30000	30000

Comments, Footnotes, or other.

Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Occidental County Sanitation District

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Occidental CSD	\$ 5,599,000	\$ 327,000	\$ 568,000	\$ 2,760,000	\$ 1,344,000	\$ 600,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 5,599,000	\$ 327,000	\$ 568,000	\$ 2,760,000	\$ 1,344,000	\$ 600,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Totals:	\$ 5,599,000	\$ 327,000	\$ 568,000	\$ 2,760,000	\$ 1,344,000	\$ 600,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Russian River County Sanitation District**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Russian River CSD	\$ 8,550,000	\$ 250,000	\$ 1,100,000	\$ 6,500,000	\$ 500,000	\$ 200,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 8,550,000	\$ 250,000	\$ 1,100,000	\$ 6,500,000	\$ 500,000	\$ 200,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Russian River CSD Funding Totals:	\$ 8,550,000	\$ 250,000	\$ 1,100,000	\$ 6,500,000	\$ 500,000	\$ 200,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
South Park County Sanitation District**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
South Park CSD Projects	\$ 8,781,792	\$ 4,603,792	\$ 228,000	\$ 20,000	\$ 3,790,000	\$ 140,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 8,781,792	\$ 4,603,792	\$ 228,000	\$ 20,000	\$ 3,790,000	\$ 140,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
South Park CSD Funding Totals:	\$ 8,781,792	\$ 4,603,792	\$ 228,000	\$ 20,000	\$ 3,790,000	\$ 140,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Project Plan Funding Summary
2011 through 2016
Sonoma Valley County Sanitation District**

Federal Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Federal Funding	0	0	0	0	0	0

County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total County Funds:	0	0	0	0	0	0

Non-County Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Sonoma Valley CSD	\$ 27,421,297	\$ 4,916,878	\$ 14,433,419	\$ 4,794,000	\$ 277,000	\$ 3,000,000
	\$ -					
	\$ -					
Total Non-County Funds:	\$ 27,421,297	\$ 4,916,878	\$ 14,433,419	\$ 4,794,000	\$ 277,000	\$ 3,000,000

Undetermined Funds:

Funding Source/Name	5-Year Total Funding	F.Y. 2011-2012	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
	0					
	0					
	0					
Total Undetermined Funds:	0	0	0	0	0	0
Sonoma Valley CSD Funding Totals:	\$ 27,421,297	\$ 4,916,878	\$ 14,433,419	\$ 4,794,000	\$ 277,000	\$ 3,000,000

Comments, Footnotes, or other.

**Sonoma County Water Agency - Capital Projects Plan List/Project Cost
2011 through 2016**

Sonoma Valley County Sanitation District

Major Repair and Replacement:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Biosolids Handling Facility		\$ 3,028,000	\$ 2,873,000	\$ 155,000			
Effluent Pump Station		\$ 93,000	\$ 93,000				
Main Sewer Trunk Repair Watmaugh to TP		\$ 319,000	\$ 319,000				
MH90-3 to MH 136-5 Main Replacement		\$ 7,877,419	\$ 652,000	\$ 3,070,419	\$ 4,086,000	\$ 69,000	
Future Trunk Main Replacement Projects		\$ 3,000,000					\$ 3,000,000
		\$ -					
		\$ -					
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ 14,317,419	\$ 3,937,000	\$ 3,225,419	\$ 4,086,000	\$ 69,000	\$ 3,000,000

Improvements:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
Land Purchase		\$ 832,000	\$ 208,000	\$ 208,000	\$ 208,000	\$ 208,000	
Upland Ponds Rehabilitation		\$ -					
Recycled Water Storage Resv.		\$ 280,000	\$ 280,000				
Napa/Sonoma Salt Marsh		\$ 9,166,878	\$ 166,878	\$ 8,500,000	\$ 500,000		
North San Pablo Bay Project		\$ 150,000	\$ 150,000				
Recycled Water Project (Sonoma Valley)		\$ 2,575,000	\$ 75,000	\$ 2,500,000			
San Giacomo Service		\$ 100,000	\$ 100,000				
Subtotal:		\$ 13,103,878	\$ 979,878	\$ 11,208,000	\$ 708,000	\$ 208,000	\$ -

Major Projects with Undetermined Funding:

Project	Project Description	Total Project Cost	F.Y. 2011-12	F.Y. 2012-13	F.Y. 2013-14	F.Y. 2014-15	F.Y. 2015-16
		\$ -					
		\$ -					
		\$ -					
Subtotal:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sonoma Valley CSD Total:		\$ 27,421,297	\$ 4,916,878	\$ 14,433,419	\$ 4,794,000	\$ 277,000	\$ 3,000,000

Comments, Footnotes, and other items.