

STATE WATER RESOURCES CONTROL BOARD

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

STATE OF CALIFORNIA CLEAN WATER STATE REVOLVING FUND

AMENDED INTENDED USE PLAN FOR STATE FISCAL YEAR 2008/2009 AND AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 (July 1, 2008 – June 30, 2009)



PREPARED BY: The Division of Financial Assistance

APPROVED BY: State Water Resources Control Board, Executive Director, April 17, 2009



OUR VISION

A sustainable California made possible by clean water and water availability for both human uses and environmental resource protection

OUR MISSION

To preserve, enhance, and restore the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations

Table of Contents

- I. INTRODUCTION**
- II. MARKET OUTLINE**
 - A. Clean Watersheds Needs Survey
 - B. State Water Quality Guidance
 - C. Regional Water Quality Needs
- III. OUTCOMES, GOALS, ACTIVITIES, AND MEASUREMENTS**
 - A. Outcome #1: Sound Finances
 - B. Outcome #2: Fund the Most Beneficial Projects
 - C. Outcome #3: Well-Known and Respected Products
- IV. CONDITION OF THE PROGRAM**
 - A. Distribution of Funds
 - B. Financial Outlook
 - C. Resources
 - D. Risks
- V. PUBLIC REVIEW AND COMMENT**

List of Tables and Attachments:

- Table 1: Summary of Sources and Uses of New Capital in SFY 2008/2009
- Table 2: CWSRF Five-Year Cash Flow
- Table 3: Amended 2008/2009 Intended Use Plan Fundable Project List
- Attachment 4: Summary of Issues Discussed with Regional Water Boards in May 2008
- Attachment 5: CWSRF Project Descriptions and Examples for Green Project Reserve (GPR)

I. INTRODUCTION

Water is one of the most essential natural resources in California. The State Water Resources Control Board (State Water Board) and its nine Regional Water Quality Control Boards (Regional Water Boards) (collectively Water Boards) protect and improve water quality in California through several regulatory and financial assistance programs. The federal Clean Water Act (CWA) established the Clean Water State Revolving Fund (CWSRF) Program to finance protection and improvement of water quality. The federal Environmental Protection Agency (US EPA) grants funds to the State Water Board to capitalize the CWSRF Program in California. The CWSRF Program is also funded by state bond funds, local match funds, repayments, and revenue bonds.

The CWSRF Program has protected and promoted the health, safety, and welfare of Californians since 1989. Many of the projects funded by the CWSRF Program address wastewater discharge violations or enforcement orders from the Regional Water Boards. Every project is directly related to improving public health and/or water quality.

Authority, History, and Past Achievements

In 1987 the U.S. Congress amended the CWA. Title VI of the CWA replaced the long-standing, federal Construction Grants program (Title II) with the more flexible non-grant CWSRF Program. The CWSRF Program can fund a wide variety of projects including all types of non-point source, estuary management, and traditional Publicly Owned Treatment Works (POTW). All 50 states and Puerto Rico are currently operating successful CWSRF Programs. The total funds available to the Program nationwide since its inception exceed \$65 billion.

States may offer a variety of financial options to assist recipients with their water quality efforts. These include loans, refinancing debt, purchasing or guaranteeing local debt, and purchasing bond insurance. States may not offer grants, negative interest rates, or principal forgiveness, as a general rule, from the CWSRF. States may set specific terms, including interest rates from zero percent to below market rate. Loan repayment periods are up to 20 years, and states can also extend repayment periods more than 20 years by buying or refinancing local debt. States have the flexibility to target resources to their particular water quality needs and customize terms to meet the needs of small and disadvantaged communities.

The State of California established its CWSRF Program under [Water Code Sections 13475-13485](#). California operates its Program through an “Operating Agreement” between the State Water Board and US EPA Region 9.

The CWSRF Program operates much like an environmental infrastructure bank capitalized with federal and state contributions. The CWSRF provides financial assistance to communities with the capital contributions, and then uses the revenue generated by those contributions, payments and investment earnings, to

fund additional water quality projects. The revolving nature of this Program provides a long lasting source of funds for water quality protection and improvement.

California's CWSRF has grown since its inception. It has executed more than \$4.2 billion in financial agreements. The Net Assets of the Program exceed \$2.7 billion, and annual payments and investment earnings are approximately \$210 million. New capital from US EPA of about \$48 million (the federal fiscal year (FFY) 2008 capitalization grant), plus approximately \$280 million from the American Recovery and Reinvestment Act of 2009 (ARRA), will be received during state fiscal year (SFY) 2008-2009. Approximately \$49 million (the FFY 2009 capitalization grant) in additional capital will be received in SFY 2009-2010 from US EPA. Both grant amounts are reflected as appropriate in Table 1 and 2.

The Program has funded a broad range of projects. About 70 percent of funds constructed or improved wastewater treatment and water recycling facilities, and about 24 percent of funds constructed wastewater collection systems. The remaining six percent of funds were used for non-point source (NPS) or estuary projects.

Amended Intended Use Plan (IUP)

This amended IUP is required by the CWSRF federal statutes and regulations, and is a condition of the ARRA grant award. This amended IUP will be included in the State of California's application for a \$280,285,800 capitalization grant for the CWSRF program from ARRA and its application for the FFY 2009 capitalization grant. It outlines the State Water Board's business plan for the Program during the remainder of SFY 2008/2009 and the early part of SFY 2009/2010. Included in this amended IUP is a discussion of the financial outlook for the next several fiscal years (Tables 1 and 2) including the anticipated funds from ARRA and the FFY 2009 grants. In particular it identifies the projects (Table 3) the State Water Board expects to fund in the remainder of SFY 2008/2009 and the beginning of SFY 2009/2010 with ARRA and all base program funds. Table 3 includes an estimate of the pre-award costs the Water Board intends to fund with the ARRA grant.

Starting this fiscal year, the IUP includes performance measures to track the effectiveness of the CWSRF Program.

The State Water Board will continue implementing the CWSRF Program as described in the State Water Board's *Policy for Implementing the State Revolving Fund for Construction of Wastewater Treatment Facilities* (CWSRF Policy) and the *Strategy for Implementing the SRF for Expanded Use Projects* (Strategy).

Connections to Other Plans, Goals, and Programs of the State Water Board and California EPA

The CWSRF Program supports the Water Boards' strategic plan through the following environmental priorities and their corresponding goals, objectives, and

actions as presented in the Strategic Plan Update for 2008-2012 dated September 2, 2008.

- Priority #1: Protect and Restore Surface Water Quality
- Priority #2: Protect and Restore Groundwater Quality
- Priority #3: Promote Sustainable Water Supplies
- Priority #4: Water Quality Planning

It also supports the following California EPA Strategic Vision goals:

- Goal #2: Rivers, lakes, estuaries, and marine waters that are fishable, swimmable, support healthy ecosystems and other beneficial uses.
- Goal #3: Groundwater that is safe for drinking and other beneficial uses.
- Goal #4: Communities that are free from unacceptable human health and ecological risks due to exposure from hazardous substances and other potential harmful agents.
- Goal #5: Reduce or eliminate the disproportionate impacts of pollution on low-income and minority populations.
- Goal #6: Ensure the efficient use of natural resources.
- Goal #7: Continuous improvement and application of science and technology.

The Division of Financial Assistance (DFA) administers additional state funded financial assistance programs (listed below). Due to California's current budget problems, however, funding for most of these programs has been halted. The Integrated Regional Water Management (IRWM) Grant Program projects funded by the Water Board and a small group of projects exempted by the Pooled Money Investment Board (PMIB) continue to receive funding through DFA. All other projects were given a stop work order and DFA, along with other state agencies, is prohibited from disbursing funds to these projects or approving new projects at the current time.

- ✓ The Small Community Wastewater Grant (SCWG) Program provides grants to small, disadvantaged communities for wastewater infrastructure projects.
- ✓ The Water Recycling Funding Program provides grants for construction of water recycling facilities.
- ✓ The Clean Beaches Program provides grants to restore and protect coastal waters, estuaries, bays, and near shore waters.
- ✓ The Integrated Regional Water Management (IRWM) Grant Program provides grants to protect communities from drought, protect and improve water quality, and improve local water security by reducing dependence on imported water.
- ✓ The Storm Water Grant Program will provide matching grants for reduction and prevention of storm water contamination of rivers, lakes, and streams.

II. MARKET OUTLINE

A. Clean Watersheds Needs Survey (CWNS)

California needs significant funding to achieve its clean water goals. The most recent CWNS in 2004 shows that California needs an estimated \$31 billion for wastewater treatment, water recycling, non-point source correction, and storm water pollution prevention over the next 20 years. This includes an estimated \$18.2 billion to update aging infrastructure.

B. State Water Quality Guidance

1. Small and/or Disadvantaged Communities

On July 2, 2008, the State Water Board adopted [Resolution No. 2008-0048](#), promoting strategies to assist Small and/or Disadvantaged Communities with wastewater needs. Resolution No. 2008-0048 references the [Small Community Wastewater Strategy](#), which provides an overview of the problems faced by small and/or disadvantaged communities and offers solutions to those problems.

Small communities often cannot meet water quality standards because of the challenges they face with their wastewater systems, such as, failing septic systems or old and undersized wastewater treatment plants. These communities generally have higher per capita costs. The result is higher, sometimes prohibitive, sewer rates. Disadvantaged (median household income [MHI] of less than 80 percent of the statewide MHI) and severely disadvantaged (MHI of less than 60 percent of the statewide MHI) small communities face the additional burden of lower household incomes.

The strategies outlined in Resolution No. 2008-0048 include a number of modifications, such as, extended term financing or reduced interest rates, to make the Program more affordable for small and/or disadvantaged communities.

2. Protection of the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta)

The State Water Board adopted on July 16, 2008, the [Strategic Workplan for Activities in the San Francisco Bay/Sacramento-San Joaquin Delta Estuary](#) (Workplan). The Workplan describes the actions the Water Boards will complete, in cooperation with other agencies, to protect beneficial uses of water in the Bay-Delta and the associated timelines and resources needed.

Workplan activities are divided into nine broad elements. The CWSRF Program can help implement the Workplan by funding point and nonpoint source projects, such as:

- ✓ Measures identified in Total Maximum Daily Loads (TMDLs).
- ✓ Storm water and dry weather runoff reduction from Municipal Separate Storm Sewer Systems (MS4).
- ✓ Conservation measures to reduce sediment and non-point discharges.
- ✓ Ammonia discharge reduction from publicly owned treatment works.
- ✓ Urban and agricultural water use efficiency to reduce demand on the Delta and reduce runoff of pesticides to the Delta.

3. Sustainability and Global Climate Change

The State Water Board adopted [Resolution No. 2008-0030](#) on May 6, 2008, emphasizing sustainability as a core value for all of the Water Boards' activities and programs. Resolution No. 2008-0030 directed the Water Boards' staff to take a number of actions that may affect the CWSRF Program, such as:

- ✓ Promote recycled water, conservation, and low impact development (LID).
- ✓ Assign a higher priority to climate-related and LID projects.
- ✓ Coordinate with other government agencies, non-profit organizations, and private businesses to enhance and encourage sustainable activities.

C. Regional Water Quality Needs

In May 2008, Program staff met with Regional Water Board staff to discuss water quality priorities and needs for each region. In general, these water quality needs focus on several major areas, such as, storm water, wastewater treatment, water quality monitoring, wetlands protection, ocean protection, environmental education, environmental justice, contaminated sites cleanup, LID, and enforcement. A summary of items discussed during the meetings with the Regional Water Boards is presented in Table 4.

III. OUTCOMES, GOALS, ACTIVITIES, AND MEASUREMENTS

This section summarizes the activities planned for the CWSRF for the coming year and explains how those activities contribute to the expected outcomes for the Program. Specific projects or activities include target completion dates. The performance measurements will be used to track progress toward meeting the goals and outcomes. A semi-annual update will be posted on the Web for Program stakeholders to view.

Outcome #1: Sound Finances

The State Water Board and the CWSRF Program's stakeholders expect the Program to be financially sound so that it can effectively create water quality equity.

Long Term Goals:

- 1) Maximize cash flow management: Disbursements should match receipts to get the most benefit from the funds available to the Program. Ideally disbursements should match receipts for the Program, less the minimum \$25 million balance and restricted assets.
- 2) Effectively use revenue: California faces tremendous water quality needs. The net revenue of the CWSRF Program is sizeable. The CWSRF can take on additional debt to fund more projects at current costs. Additional debt should be balanced, though, with the long-term finances of the Program.
- 3) Maintain financial integrity: Financial integrity is a must. Effective internal controls ensure that the Program's finances are dependable and trustworthy. Prudent lending and financial practices and reasonable interest rates ensure the stability and continued growth of the CWSRF.

Key Short Term Activities:

- a) Prepare and review monthly cash management reports: Timing disbursements to receipts requires careful and regular oversight of the cash flow (Complete monthly).
- b) Continue quarterly finance/audit committee meetings (Complete quarterly):
 - i) Review cash flow of projects under contract, three and six month cash flow projections, and cash flow needs for upcoming projects.
 - ii) Compare actual performance with target performance measures.
 - iii) Review audit issues, Program control issues, and plan for upcoming audits.
- c) Complete training with Northbridge Environmental Management Consultant's, Inc.: US EPA will coordinate a contract with Northbridge using funds from the 2008 Capitalization Grant to provide additional financial management training to internal staff. (Complete June 2009)
- d) Contract with a professional financial advisor: Finance staff will periodically need specialized expertise on financial planning and management, such as, planning for future revenue bond sales, implementing alternative forms of

- financing, refining our cash flow forecasting, and developing a debt management policy. (Complete March 2009)
- e) Accept additional Capitalization Grants: The FFY 2008 capitalization grant application was submitted April 21, 2008. The grant will be \$48,922,291. The State Water Board will provide the necessary state match through Prop. 84 and local match contributions (Completed August 2008).
 - f) Apply for additional Capitalization Grants: The FFY 2009 Grant will be \$48,667,707. The Grant application will be submitted to US EPA. (US EPA's Estimated Grant Application Date = April 2009).
 - g) Apply for federal ARRA grant: The ARRA grant will be \$280,285,800. The Grant application will be completed and submitted to US EPA. (Grant application submitted February 11, 2009; grant award expected April 27, 2009)
 - h) Fund projects to meet ARRA requirements and goals: Preference will be given to activities that can be initiated not later than 120 days after ARRA enactment (June 17, 2009) with a goal of committing at least 50 percent of the funds by June 17, 2009. Projects will be selected to maximize job creation and economic benefit. All ARRA funds will be committed to projects with an executed construction contract by February 16, 2010. At least 50 percent of ARRA fund will be used for additional subsidization (principal forgiveness, negative interest rates, or grants), and at least 20 percent of ARRA funds will be committed to green infrastructure, water/energy efficiency, or environmental innovation (efficiency and innovation or Green Project Reserve) projects. (Weekly reporting to US EPA and State Water Board Web site)
 - i) Solicit efficiency and innovation projects and amend IUP, if necessary: US EPA guidance indicates that states must make a "timely and concerted solicitation for (efficiency and innovation) projects, with the objective of determining no later than 180 days after (ARRA's) enactment" which efficiency and innovation projects will be included in the IUP if the IUP submitted with the ARRA grant application fails to identify at least 20 percent efficiency and innovation. (Complete August 2009)
 - j) Implement sound credit reviews: The current credit review process is based on a review of the applicant's revenue program. This procedure provides insufficient information on the credit worthiness of the applicant. The Program will execute a contract with an outside vendor for credit reviews (Completed July 1, 2008), develop procedures to coordinate the reviews, train staff on the procedures, and implement the new procedures. (Completed September 2008).
 - k) Close out previous Capitalization Grants: Closeout of previous Capitalization Grants that are fully disbursed will ensure that any service charges applied to financing from those Grants can be used to the greatest extent allowed by federal guidelines. (Complete June 2009)
 - l) Prepare Annual Report and Audit for SFY 2007/2008: (Completed September 30, 2008)
 - m) Obtain authority to offer principal forgiveness, negative interest rates, and grants from the CWSRF: SBX3 27 (Negrete-McLeod), authorizing principal forgiveness, negative interest rates, and grants by the CWSRF, was signed by the Governor and became effective on March 27, 2009. (Completed March 27, 2009)

Performance Measurements for 2008/2009:

- ✓ Executed financing agreements total > 120 percent of federal grants.
- ✓ Executed financing agreements total > 100 percent of available funds.
- ✓ Percentage of ARRA funds committed = 100 percent of available funds by February 16, 2010.
- ✓ Percentage of ARRA funds committed to additional subsidization > 50 percent of available funds.
- ✓ Percentage of ARRA funds committed to efficiency and innovation projects > 20 percent of available funds.
- ✓ Disbursement rate = 100 percent of available funds less \$25 million minimum balance and restricted funds.
- ✓ Federal funds disbursement rate = 100 percent of federal draws.
- ✓ Undisbursed cash balance not increasing year-to-year.
- ✓ Unobligated cash balance not increasing year-to-year.
- ✓ Administration costs within budget.
- ✓ Default ratio = 0.

Outcome #2: Fund the Most Beneficial Projects

The CWSRF has finite funds. This limitation requires the State Water Board to prioritize the uses of the CWSRF so that the most pressing market problems outlined earlier are addressed first.

Long Term Goals:

- 1) Achieve compliance statewide with water quality objectives.
- 2) Maximize the environmental benefits from CWSRF funded projects.
- 3) Bring POTWs into compliance with federal and state requirements.
- 4) Assist with the State Water Board's [Plan For California's Nonpoint Source Pollution Control Program](#) and estuary Comprehensive Conservation and Management Plans.

Key Short Term Activities:

- a. Provide funds for projects: Table 3 lists projects the CWSRF program anticipates funding in SFY 2008/2009 that support the Water Boards' priorities and ARRA objectives. (See Table 3 for expected binding commitment dates)
- b. Amend the SFY 2008/2009 IUP and 2008/2009 Project Priority List: These actions are necessary to apply for the federal ARRA and FFY 2009 grants. (Complete April 2009)
- c. Develop SFY 2009/2010 IUP and 2009/2010 Project Priority List: Business planning for the CWSRF is a regular process. Work closely with Division of Water Quality (DWQ), Regional Water Boards, and stakeholders to ensure that the highest priorities are identified. The IUP will guide marketing and assistance efforts targeting the Board's highest priorities in SFY 2009/2010. (Complete June 2009)

- d. Complete quadrennial CWNS: The CWNS provides basic information about the market for CWSRF financing. (Complete March 2009)

Performance Measurements for 2008/2009:

- ✓ At least 50 percent of funded projects should be identified in the IUP.
- ✓ At least two projects should support an adopted TMDL.
- ✓ At least 20 percent of projects should address discharges to impaired water bodies.
- ✓ At least five projects should address Regional Water Board enforcement actions.
- ✓ At least three projects should support sustainability or climate change efforts.
- ✓ At least 10 percent of binding commitments should be for expanded use projects.
- ✓ At least four Project Manager training seminars per year on technical topics.

Outcome #3: Well-Known and Respected Products

Applicants have many choices for their financing needs. The CWSRF should be a desirable option so that it attracts high value projects that support the policies of the State Water Board.

Long Term Goals:

- 1) Provide good service with a special emphasis on disadvantaged communities.
- 2) Develop clear, flexible, and innovative application procedures.
- 3) Ensure staff are well-trained and ready to help communities resolve technical and financial issues.

Key Short Term Activities:

- a. Obtain approval of extended term (ET) financing: This addresses one of the key issues facing small, disadvantaged communities. ET financing reduces debt service by about 25 percent. ET financing should result in more projects and have a direct water quality benefit. (Completed October 2008)
- b. Amend CWSRF Policy: The CWSRF Policy was amended eight times to address specific issues since it was originally adopted in August 1988. There has never been, however, a comprehensive review and update of the procedures since the Program started. There are a number of outdated and outmoded requirements in the Policy. (Completed September 2008)
- c. Amend CWSRF Policy: A second amendment will be necessary to implement the federal ARRA grant requirements. (Completed March 17, 2009)
- d. Adopt guidance for implementing ARRA: Additional guidance will be needed to ensure the best use of existing and new capital in the program. (Completed March 17, 2009)

- e. Application process improvements:
 - i. Complete internal application process review and recommendations for improvements. Present results to CWSRF management. (Completed July 2008)
 - ii. Revamp the CWSRF Web page to serve applicants' needs. Necessary documents or information should be at most three clicks away from the home page. (Complete June 2009)
 - iii. Develop an application and instruction booklet to match the new Regulations. (Complete June 2009)
- f. CWSRF Regulations: Adopt Regulations for the CWSRF Program to replace current Policies. (Complete Winter 2009)
- g. Applicant training: Develop application training and California Environmental Quality Act (CEQA) and CEQA Plus training for applicants. Additional training for applicants and their consultants should improve the quality of information submitted with applications and speed up the application process. (Complete June 2009)
- h. Stakeholder Advisory Group (SAG): Continue periodic meetings with the SAG to advise the State Water Board on steps to help the Program achieve maximum efficiency. (As determined necessary by the State Water Board staff and SAG membership)
- i. Marketing and Outreach:
 - i. Increase coordination with the California Financing Coordinating Committee (CFCC) to provide assistance, participate in funding fairs, and develop outreach strategies. (Ongoing)
 - ii. Provide regular training to the Regional Water Boards on program financial status, project eligibility, and policy changes. (Ongoing)

Performance Measurements for 2008/2009:

- ✓ All financing agreements executed within 60 days of Master File completion.
- ✓ At least 25 percent of projects should assist disadvantaged communities.
- ✓ Participate in at least four CFCC Funding Fairs per year.
- ✓ Conduct at least two application training sessions per year.
- ✓ Conduct at least two CEQA/CEQA Plus training sessions per year.
- ✓ Conduct one workshop per year/per Regional Water Board.
- ✓ Provide 20 percent of funding as ET financing.
- ✓ Amend financing agreements no later than 60 days after construction starts.
- ✓ Achieve CEQA Plus compliance within 150 days for Tier 1 reviews or achieve CEQA compliance within 60 days for Tier 2 reviews.

IV. CONDITION OF THE CWSRF PROGRAM

A. Distribution of ARRA and Base Program Funds

The CWSRF Policy establishes a Project Priority List (PPL) based on public health and water quality factors. It also, however, states that projects are funded “on an as ready basis.” The reason for these conflicting directions is that there is a general benefit to funding projects that are ready to proceed rather than holding cash for higher priority projects that are not ready to proceed. Funding a lower priority project is preferable to maintaining a high cash balance because the funds create water quality equity and because disbursing the funds to a project tends to generate a greater financial return than the CWSRF’s current investments.

The State Water Board will attempt to fund all applicants that request funding during the remainder of SFY 2008/2009 and the beginning of SFY 2009/2010. The State Water Board’s priority during the remainder of SFY 2008/2009 and beginning of SFY 2009/2010 will be committing ARRA funds consistent with US EPA guidance. The State Water Board will focus on two groups of projects initially to meet ARRA objectives: disadvantaged communities and projects that received state grant funding from the State Water Board that were given a “stop work” order in December 2008 due to California’s budget problems. Within these categories of projects, the State Water Board will focus on funding projects that can start construction or reinstate project activities by June 16, 2009, to maximize job creation and economic benefit.

On March 17, 2009, the State Water Board established guidelines for staff on how best to distribute ARRA funds so that California can receive the most water quality benefits from ARRA and still meet ARRA requirements. The primary guidelines for staff to follow are:

- 50 percent of ARRA funds will be used as additional subsidy funds.
- ARRA funds will be reserved for State Water Board priorities, beyond those specified in ARRA, only for a limited period of time.
- ARRA funds will be distributed as fairly as possible. ARRA funds will be distributed in a manner that takes into account ongoing efforts to regionalize wastewater treatment or uses regional solutions.
- Small, disadvantaged communities (<20,000 population and <80 percent of the statewide Median Household Income (MHI)) will receive priority for subsidy funds over other communities if subsidy funds become limited.
- Projects that lost previously committed State Water Board grant funds will receive priority for subsidy funds.
- Projects with earlier construction start dates will receive priority for subsidy funds before projects with later construction start dates if subsidy funds become limited.

The State Water Board also established a timeline by which ARRA subsidy funds will be distributed. ARRA subsidy funds are reserved for disadvantaged

communities and State Water Board grant funded projects in the following amounts under the following conditions:

Subsidy Funds by Category of Applicant

Category	Subsidy Per Project	Conditions
<p>Community MHI < 80 percent of statewide MHI, or a community that pays at least 4 percent of their MHI toward wastewater infrastructure.</p> <p>(25% ARRA)</p>	<p>Existing Small Community Wastewater Grant (SCWG) commitments for design and construction:</p> <p>Shall receive priority for the amount previously committed before subsidies are given to other disadvantaged communities. (Approximately \$25 million in subsidy funds will be reserved for this need.)</p> <p>If Applicant's rates or implementation costs are equal to or greater than 1.5 percent of the community's MHI:</p> <ol style="list-style-type: none"> 1) Projects less than \$3 million may receive 100 percent subsidy. 2) Projects greater than \$3 million may receive subsidy of \$3 million plus 50 percent of the amount over \$3 million not to exceed \$10 million in subsidy funds. <p>If Applicant's rates or implementation costs are less than 1.5 percent of the community's MHI:</p> <p>Applicant may receive 100 percent subsidy of project cost not to exceed \$2 million in subsidy funds.</p>	<ul style="list-style-type: none"> ▪ Projects may not receive more than one hundred (100) percent subsidy financing. ▪ Projects must meet CWSRF and ARRA eligibility requirements. ▪ Complete application must be received by the Division and the financing agreement must be executed or executable before September 1, 2009. ▪ Complete Approval of Award (AOA) request must be received by the Division before January 1, 2010. ▪ Copy of executed construction contract must be received by the Division before February 1, 2010. ▪ Projects receiving a subsidy based on wastewater rates in excess of 4 percent of their MHI must receive approval on a case-by-case basis from the State Water Board.
<p>Restart – Projects that lost previously committed</p>	<ul style="list-style-type: none"> ▪ Maximum: \$5 million or the amount needed to replace lost State Water Board grant funds plus reasonable costs 	<ul style="list-style-type: none"> ▪ Projects may not receive more than one hundred (100) percent subsidy financing. ▪ Projects must meet CWSRF and

Category	Subsidy Per Project	Conditions
State Water Board grant funding (not including SCWG projects). (25% ARRA)	to restart the project.	ARRA eligibility requirements. <ul style="list-style-type: none"> ▪ Projects must have an executed State Water Board grant agreement that was suspended and an executed construction contract or proof of project initiation received by the Division before May 17, 2009. ▪ In addition to the primary guidelines above, priority for subsidy projects may be determined by the Executive Director consistent with established State Water Board guidance.

After May 16, 2009, ARRA subsidy funds not committed to projects that lost previously committed State Water Board grant funding will become available to new expanded use (non-point source and estuary) projects. New expanded use projects will be able to compete for additional subsidy funds until August 31, 2009. After August 31, 2009, ARRA subsidy funds not committed to communities with MHIs less than 80 percent of the statewide MHI, projects that lost previously committed State Water Board grant funding, or new expanded use projects will become available to all eligible applicants. The Executive Director will determine, after public review, how much additional subsidy funds remain uncommitted after August 31, 2009, and distribute those funds as fairly as possible to all applicants that can submit an Approval of Award (AOA) request before January 1, 2010 and a copy of an executed construction contract before February 1, 2010. Any applicant with an executed debt obligation after October 1, 2008 is eligible for any remaining subsidy funds distributed in this manner.

The Executive Director, or designee, of the State Water Board also has discretion to modify the amount of subsidy funds a project may receive if it will ensure a reasonable implementation of ARRA, and may, in consultation with the State Water Board Chair and Vice Chair, allocate an additional 15 percent of ARRA funds to disadvantaged communities or restarted grant projects, such that no more than 65 percent of ARRA funds may be used as additional subsidy, provided funds are available for this purpose.

The State Water Board also established interest rates on March 17, 2009, for CWSRF agreements in the interest of promoting federal economic recovery efforts and ensuring commitment of the program's base cash flow. The State Water Board will offer reduced interest rates for efficiency and innovation projects as well as all other financing not eligible for other incentives or subsidies, according to the following schedule:

Interest Rate Incentives by Category of Applicant

Category	Interest Rate	Conditions
Efficiency and innovation projects	Zero (0) Percent	<ul style="list-style-type: none"> ▪ Up to a total of \$60 million in cumulative financing. ▪ Completed application must be received by the Division and the financing agreement must be executed or be executable before July 18, 2009. ▪ Completed AOA request must be received by the Division before January 1, 2010. ▪ Copy of an executed construction contract must be received by the Division before February 1, 2010.
All projects	One (1) Percent	<ul style="list-style-type: none"> ▪ Completed application must be received by the Division and the financing agreement must be executed or be executable before September 1, 2009. ▪ Completed AOA request must be received by the Division before January 1, 2010. ▪ Copy of an executed construction contract must be received by the Division before February 1, 2010.

Table 3 lists the projects most likely to be approved for funding by the CWSRF for the remainder of SFY 2008/2009 and the beginning of SFY 2009/2010. Table 3 includes the estimated financing agreement dates, the estimated project cost, and the probable source(s) of funds for the projects. Table 3 identifies the projects most likely to receive ARRA, and in particular the additional subsidy funds available from ARRA. Table 3 also identifies the projects that will help California meet the goal of using at least 20 percent of ARRA funds for efficiency and innovation projects.

Being listed in Table 3 does not guarantee funding or the order of funding for projects. All projects in Table 3, as well as any project on the SFY 2008/2009 PPL, are eligible for funding. If a project identified in this IUP is not eligible for the CWSRF, does not meet ARRA requirements, or does not meet its target dates, it may be bypassed in favor of any other project in Table 3 or on the PPL that is ready for approval.

Based on Table 3, the State Water Board estimates that it will be able to meet the requirement that at least 50 percent of ARRA funds must be provided in the form of additional subsidization. Approximately \$106 million in additional subsidization is needed for the disadvantaged communities category. Disadvantaged communities will compete for at least \$70,071,450 in additional subsidization from ARRA. Table 3 lists approximately \$67 million in state grant

funded projects that are potentially eligible for the other \$70,071,450 in additional subsidization from ARRA. The costs of restarting the projects that lost previous state grant funding in Table 3 do not include the reasonable restart costs. With reasonable restart costs included, the additional subsidization provided to “Restart” projects is expected to exceed \$70 million. Another \$42,042,870 in additional subsidy may be available to these two categories at the discretion of the Executive Director, in consultation with the Chair and Vice-Chair, if the ARRA funds are not otherwise committed as loan funds to other projects.

The State Water Board estimates there are at least \$115 million in projects in Table 3 that can satisfy the criteria for efficiency and innovation (the “Green Project Reserve” (GRP)) projects. This is above the minimum 20 percent (approximately \$56 million) for efficiency and innovation funding required by ARRA. The percentage of efficiency and innovation projects may increase, particularly for the Restarted grant projects, on further review of individual projects. Therefore, the State Water Board does not plan at this time to conduct any further solicitation of efficiency and innovation projects for its IUP. These projects will compete for \$60 million in zero (0) percent loans through July 17, 2009 or receive funding in the form of additional subsidization. Each project will be reviewed using guidance (see Attachment 5) provided by US EPA to determine the percentage of the project that meets the GPR requirements.

Each project in Table 3 will be reviewed by State Water Board staff to determine that it meets CWSRF and ARRA eligibility rules. Each project receiving ARRA funds will be certified by the Executive Director, or a designee, in accordance with ARRA Section 1511, that the project received the full review and vetting required by law and that the Executive Director, or designee, accepts responsibility that the infrastructure investment is an appropriate use of taxpayer dollars. The certification shall include a description of the investment, the estimated total cost, and the amount of ARRA funds used for the project. The certification shall be posted on the State Water Board’s Website and linked to the Recovery.gov Website.

In order to meet the requirements and deadlines of ARRA for the expeditious and timely commitment and expenditure of funds, the State Water Board will regularly report to US EPA through the CWSRF Benefits Reporting (CBR) system its progress meeting ARRA and Board specified deadlines to identify delays. If delays are identified, the State Water Board will work with US EPA to resolve those delays. The State Water Board will include conditions in its assistance agreements to ensure that assistant recipients enter into construction contracts or initiate construction quickly. If a recipient fails to maintain progress toward meeting these conditions, the State Water Board will identify other projects capable of meeting ARRA and Board specified deadlines. Other CWSRF sources will be used for projects that cannot meet ARRA and Board specified deadlines or requirements so that ARRA funding can be provided for a project that will meet ARRA requirements. The State Water

Board understands that US EPA will deobligate ARRA grant funds from States that fail to meet ARRA requirements and reallocate those funds to other states that can use them.

However, if California is eligible for ARRA funds from other states that cannot use them for ARRA compliant projects, the State Water Board will provide US EPA with an amended IUP containing a list of projects that are prepared to proceed to construction within 120 days of February 17, 2010.

B. Financial Outlook

The CWSRF will fund projects with capitalization grants, repayments, investment earnings, matching funds, ARRA funds, and current cash in the CWSRF. The new capital added to the CWSRF during SFY 2008/2009 is summarized in Table 1, Projected Sources and Uses of New Capital. Table 1 includes the ARRA grant, the FFY 2008 grant, payment on existing financial agreements, as well as investment earnings. Approximately \$556 million in new capital will be added to the CWSRF during SFY 2008/2009. The bulk of this, about \$490 million, will be used to assist recipients with their projects.

The CWSRF projected cash flow for the next five years is presented in Table 2. Table 2 includes all expected sources of funds and expected disbursements for the remainder of SFY 2008/2009 and the following four fiscal years. The capitalization amounts for SFY 2008/2009 (FFY 2008 capitalization grant), SFY 2009/2010 (FFY 2009), and ARRA are based on final allocations for California. Grant amounts for future years are estimated. All projects funded from the CWSRF are funded based on their projected disbursements (cash flow) and the projected future cash flow of the CWSRF Program.

Comparing the five-year cash flow in Table 2 with the project totals in Table 3 indicates that additional cash will be needed to fund all of the projects in Table 3. Approximately \$700 to \$900 million more in cash will be needed to fund all the projects in Table 3. This assumes that all the projects are eligible, all the applicants sign a financing agreement with the CWSRF, and all the actual disbursements happen as planned.

It is unlikely that all the projects in Table 3 will be funded or that all the disbursements will happen as planned. However, additional cash from a revenue bond sale is likely if most of the projects in Table 3 maintain progress toward a finance agreement. DFA management will monitor progress on these projects and their disbursement projections through its quarterly finance meetings. If additional cash is needed, DFA will take steps to limit cash disbursement or obtain additional cash through a revenue bond sale.

C. Resources

1. Organization, Program Resources, and Skills

The current administration budget for the CWSRF is \$5.6 million (\$5.3 million for personal services and \$300,000 for contract services). Approximately 30 Personnel Years (PY) are budgeted. These positions are distributed between Division of Financial Assistance (DFA), Division of Administrative Services (DAS), the nine Regional Water Boards, the Office of Chief Counsel (OCC), and Division of Information Technology (DIT) as follows:

- Three Environmental Scientist positions; compliance with the state and federal environmental and cultural resources requirements (DFA)
- Fourteen Water Resources Control Engineer (WRCE) positions (DFA Project Managers)
- 0.9 WRCE for Regional Board coordination (Regional Water Boards)
- Four administrative support positions (DFA)
- Two management positions to oversee staff and Program (DFA)
- Five administrative positions provide accounting, personnel, budget, and contract support (DAS)
- 0.8 position for legal support (OCC)
- 0.5 position for information technology support (DIT)

The CWSRF Program relies on some contracted services that cannot be provided economically by DFA staff or that require independence from the Program. About \$300,000 is budgeted for contract services such as an independent accounting firm for yearly audits, outside legal counsel for specialized tax advice, an outside contractor to conduct credit analyses, and a vendor to provide maintenance for the Loans and Grants Tracking System (LGTS).

The State Water Board requested an additional 15.0 positions (seven two-year limited-term and eight permanent) and \$11.2 million in authority for state operations to administer ARRA funding.

D. Risks

The following items may pose financial or institutional risks to the Program. DFA management will focus on identifying potential problems early and taking action to maintain the integrity and success of the Program.

1. Application Demand vs. Resources

Demand for financing may exceed the resources needed to review and approve all applications. Staff resources are the most inflexible aspect of the Program. Because additional staff must be approved through the state's budget process, additional staff cannot be added quickly to address a high demand. In addition,

hiring may be frozen or work hours reduced due to state budget concerns. DFA management will prioritize applications consistent with this IUP, seek changes to the Policies, further adjust its review procedures, or seek additional resources if too many applications are received

Due to the ARRA grant, the CWSRF program requested additional staff and an increased administration budget. The CWSRF program estimates an additional 15.0 PY's will be needed to market, process, and approve additional applications due to the ARRA funds. Additional resources will be added to the service contracts supporting the program as necessary to ensure adequate coverage of these program areas.

2. Applicants' Schedule Changes

The most beneficial projects may not proceed with a financing agreement due to some legal or institutional delay they have. Program staff will coordinate regularly with applicants identified in this IUP to minimize delays. As project schedules shift, lower priority projects may be funded if they are ready to proceed. This funding flexibility maximizes the use of CWSRF funds and increases the number of funded projects.

3. Cash Flow vs. Application Demand

The amount of financing requested may exceed the program's cash flow. Program staff will track receipts, disbursements, and disbursement forecasts on a regular basis to identify potential cash shortages beforehand. If additional cash is needed, the CWSRF Program has several options. The Program has considerable revenue that it can leverage to borrow additional cash. The State Water Board can prioritize funding requests or negotiate disbursement schedules with applicants. The CWSRF Program can also investigate offering alternative financing (providing bond insurance) if cash gets short.

Excess cash may accumulate if applications are too low. Excess cash does not provide any water quality equity for California. The State Water Board lowered interest rates at its March 17, 2009, meeting to encourage borrowing so that program cash does not accumulate in the CWSRF.

4. Loss of ARRA Funds

All ARRA funds must be committed no later than February 16, 2010, to projects with an executed construction contract. In addition, at least fifty (50) percent of ARRA funds must be used for additional subsidization (principal forgiveness, negative interest rates, or grants), and at least 20 percent of ARRA funds must be used for efficiency and innovation projects.

California may lose some ARRA funds if applications are too low for efficiency or innovation projects or if applicant's are unable to meet ARRA requirements. The State Water Board lowered interest rates at its March 17, 2009, meeting to

encourage borrowing for efficiency and innovation projects. This should ensure that sufficient applications are submitted so that the program does not lose ARRA funds due to low demand. In addition, the State Water Board will commit ARRA funds before other available funds, and work closely with applicants to ensure that they are able to meet all requirements of ARRA.

5. Recipients May Default on Payments

DFA staff will continue to implement the requirements of the CWSRF Policy to ensure prudent lending practices that safeguard the Program's equity. The CWSRF Program contracted with California Municipal Securities, Inc. (CalMuni), a financial analysis firm, to strengthen the credit evaluation of each applicant prior to approving funding for a project. DFA staff will receive additional training on financial management from Northbridge and contract with a professional financial advisory firm to provide additional financial expertise to address borrower credit risk.

The CWSRF Program will provide Extended Term (ET) financing beginning in 2009 to reduce the debt service for small, disadvantaged communities. The State Water Board at its March 17, 2009, meeting lowered interest rates temporarily to encourage further borrowing from the program. Lower interest rates reduce borrowing costs. The additional subsidization from ARRA will also reduce payments, particularly on disadvantaged communities. All of these elements will reduce the risk of default by communities with lower credit ratings and fewer financial resources.

V. PUBLIC REVIEW AND COMMENT

The schedule for the public review, comment, and approval of the Amended SFY 2008/2009 and ARRA IUP is:

Submit draft Amended 2008/2009 IUP and draft ARRA Grant application to US EPA	February 11, 2009 (completed)
Begin first public comment period on draft Amended 2008/2009 IUP. (Post on Web and notify interested parties by email.) Written comments directed to Division of Financial Assistance	March 12, 2009 (completed)
State Water Board Approve ARRA Distribution Criteria	March 17, 2009 (completed)
End first public comment period	March 20, 2009 (completed)
Begin second public comment period	April 8, 2009
End second public comment period	April 14, 2009
Executive Director Approve Amended 2008/2009 IUP	April 17, 2009
Submit Approved Amended 2008/2009 IUP to US EPA	April 17, 2009
Receive ARRA Grant Award from US EPA (estimated)	April 27, 2009

The State Water Board or the Executive Director may revise this IUP, but only after the public and interested parties are given an opportunity to comment on the proposed changes.

Table 1 Summary of Sources and Uses of New Capital in SFY 2008/2009

SOURCES	AMOUNT
Federal Year 2008 Capitalization Grant	\$ 48,922,291
American Recovery and Reinvestment Act Grant	\$ 280,285,800
Anticipated Payments on Existing Financing Agreements	\$ 201,056,084
Estimated Investment Earnings	\$ 10,574,552
State Match	\$ 13,414,123
Annual Service Charges	\$ 2,089,791
Subtotal Sources of New Capital	\$ 556,342,641
TOTAL OF ALL SOURCES	\$ 556,342,641
USES	AMOUNT
Projected Administration Expenses (ARRA Grant)	\$ 11,211,432
Debt Service on 2002 Revenue Bonds	\$ 31,893,104
Minimum Balance	\$ 25,000,000
Subtotal Uses of New Capital Other than Assistance	\$ 68,104,536
ARRA Loans	
- Program Loans	\$ 69,074,368
- Green Project Reserve Loans	\$ 60,000,000
ARRA Additional Subsidization	\$ 140,000,000
Subtotal Uses of New Capital for ARRA Assistance	\$ 269,074,368
Base Program Loans	\$ 219,163,737
Subtotal Uses of New Capital for Base Assistance	\$ 219,163,373
TOTAL OF ALL USES	\$ 556,342,641

DATE OF ANALYSIS: April 3, 2009

Table 2 CWSRF Five-Year Cash Flow

(as of 4/3/2009)	SFY 2008-09	SFY 2009-10	SFY 2010-11	SFY 2011-12	SFY 2012-13
Beginning Balance:	\$291,830,366	\$388,859,298	\$459,944,834	\$701,850,331	\$931,826,072
Estimated Repayments	\$201,056,084	\$217,216,222	\$227,216,222	\$237,216,222	\$247,216,222
Debt Service on Revenue Bonds	(\$31,893,104)	(\$31,758,441)	(\$31,456,429)	(\$30,228,204)	(\$27,714,204)
Capitalization Grants (less admin) *	\$46,965,399	\$46,720,999	\$100,000,000	\$32,000,000	\$25,000,000
ARRA Grant (less admin)	\$269,074,368				
State General Obligation Bond proceeds (less state admin. match)	\$13,260,646	\$0	\$0	\$0	\$0
Local Match Credits	\$13,292,655	\$2,212,835	\$760,015	\$666,280	\$749,882
Est. SMIF Interest:	\$10,574,552	\$10,000,000	\$8,000,000	\$6,000,000	\$4,000,000
Estimated Disbursements	(\$425,301,668)	(\$173,306,079)	(\$62,614,311)	(\$15,678,557)	(\$9,499,200)
Subtotal	\$388,859,298	\$459,944,834	\$701,850,331	\$931,826,072	\$1,171,578,772

* Capitalization grant amounts are final for SFYs 2008-09 and 2009-10, and estimated for SFYs 2010-11, 2011-12, and 2012-13

Table 3
State of California Clean Water State Revolving Fund
Amended Intended Use Plan Fundable Project List
For SFY 2008/2009 and ARRA Grant

Disadvantaged Community Subsidies and all other CWSRF Projects									Type of Assistance					
Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
4967-110 SCG-989-030	NEVADA COUNTY SANITATION DISTRICT NO. 1	CASCADE SHORES WASTEWATER TREATMENT PLANT UPGRADE PROJECT	Not Available	7/1/08	9/1/08	5/1/09	\$1,668,279	\$0	\$0	\$1,668,279	\$1,668,279	\$0	Not Applicable	212
SCG-1002-030	MALAGA COUNTY WATER DISTRICT	REDUCE ELECTRO-CONDUCTIVITY LEVELS AND DESIGN A UV DECHLORINATION FACILITY.	Not Available	1/1/00	1/1/09	5/1/09	\$392,489	\$0	\$0	\$392,489	\$392,489	\$0	Not Applicable	212
SCG-912-030	CITY OF SAN JOAQUIN	DESIGN AND CONSTRUCTION OF WWTP EXPANSION PROJECT	Not Available	1/1/00	5/1/09	5/1/09	\$1,791,382	\$0	\$0	\$1,791,382	\$1,791,382	\$0	Not Applicable	212
5411-110 SCG-904-030	CITY OF WILLITS	CITY OF WILLITS WASTEWATER TREATMENT/WATER RECLAMATION PROJECT	Not Available	11/6/07	4/15/08	5/1/09	\$1,107,582	\$0	\$0	\$1,107,582	\$110,750	\$0	Not Applicable	212
5047-110 SCG-905-030	GRASS VALLEY, CITY OF	WASTEWATER TREATMENT PLANT UPGRADE FOR DENITRIFICA	CA0079898 R5-2003-0089	3/14/08	9/1/08	5/8/09	\$1,832,437	\$0	\$0	\$1,832,437	\$1,158,296	\$0	Not Applicable	212
4593-110 SCG-911-030	KELSEYVILLE CWWO #3	UPGRADE TREATMENT SYSTEM	Not Available	8/6/08	6/1/09	5/8/09	\$2,000,000	\$1,479,000	\$0	\$3,479,000	\$104,370	\$0	Not Applicable	212
4946-110 SCG-922-030	VENTURA COUNTY WATERWORKS DIST 16	PIRU WWTP CAPACITY UPGRADE PROJECT	R4-2004-0032	3/10/09	4/15/09	5/8/09	\$8,050,000	\$6,953,495	\$0	\$15,003,495	\$500,000	\$0	Not Applicable	212
4680-120-140	VENTURA COUNTY SERVICE AREA 34	EL RIO SEWER PROJECT, PHASE 5B-D	Not Available	12/20/07	10/14/09	5/8/09	\$10,000,000	\$8,700,000	\$0	\$18,700,000	\$561,000	\$0	Not Applicable	212
4242-110	DELANO, CITY OF	WWTP EXPANSION AND WATER RECLAMATION	WDR #5-01-247	9/18/08	1/15/09	5/8/09	\$2,000,000	\$37,000,000	\$0	\$39,000,000	\$9,500,000	\$0	Not Applicable	212
5179-110	SAN ANDREAS SD	WASTEWATER TREATMENT PLANT UPGRADE	CA0079464	11/14/08	5/22/09	5/8/09	\$7,050,000	\$4,050,000	\$0	\$11,100,000	\$500,000	\$0	Not Applicable	212
5176-110	INLAND EMPIRE UTILITIES AGENCY	NORTHEAST PROJECT AREA PACKAGE 1	Not Available	3/17/09	4/30/09	5/8/09	\$0	\$33,690,000	\$0	\$33,690,000	\$1,200,000	\$33,690,000	W	212
5177-110	DELTA DIABLO SANITATION DISTRICT	ANTIOCH/DDSD RECYCLED WATER PROJECT	Not Available	4/20/09	7/1/09	5/8/09	\$0	\$9,749,878	\$0	\$9,749,878	\$292,496	\$9,749,878	W	212
4682-110	MERCED, CITY OF	WWTP PHASE IV UPGRADE AND EXPANSION	Not Available	11/29/08	5/1/09	5/8/09	\$2,000,000	\$35,000,000	\$0	\$37,000,000	\$800,000	\$0	Not Applicable	212
4502-110	BRAWLEY, CITY OF	WASTEWATER TREATMENT PLANT EXPANSION	CA0104523	12/5/08	6/1/09	5/8/09	\$10,000,000	\$15,000,000	\$0	\$25,000,000	\$600,000	\$0	Not Applicable	212
4470-120 SCG 921-030	COLFAX, CITY OF	POND 3 LINER, SEWER LIFT STATION UPGRADE AND I/I ELIMINATION PROJECT	Not Available	6/5/07	6/1/09	5/8/09	\$4,263,505	\$1,437,306	\$0	\$5,700,811	\$500,000	\$0	Not Applicable	212
5098-110	LINDA COUNTY WATER DISTRICT	WASTEWATER TREATMENT PLANT UPGRADE AND EXPANSIO	Not Available	5/27/09	7/15/09	7/10/09	\$10,000,000	\$48,000,000	\$0	\$58,000,000	\$1,740,000	\$0	Not Applicable	212
5180-110 SCG-932-011	CITY OF FERNDALE	WWTP UPGRADE	Not Available	8/20/09	7/31/09	5/1/09	\$42,998	\$8,500,000	\$0	\$8,542,998	\$256,290	\$0	Not Applicable	212
5042-110	LIVE OAK, CITY OF	WASTEWATER TREATMENT PLANT UPGRADES	CA0079022 R5-2004-0096	5/31/09	8/1/09	7/10/09	\$10,000,000	\$12,000,000	\$0	\$22,000,000	\$660,000	\$0	Not Applicable	212
4926-110 SCG-924-030	GARBERVILLE SANITARY DISTRICT	WWTP EXPANSION	Not Available	5/31/09	8/1/09	7/10/09	\$2,972,471	\$0	\$0	\$2,972,471	\$89,174	\$0	Not Applicable	212
4922-110 SCG-902-010	RIO DELL, CITY OF	CITY OF RIO DELL WASTEWATER DISPOSAL AND TREATMENT	Not Available	5/31/09	8/1/09	7/10/09	\$1,989,900	\$0	\$0	\$1,989,900	\$59,697	\$0	Not Applicable	212
5156-110 SCG-903-030	MAXWELL PUBLIC UTILITIES DISTRICT	MAXWELL PUD WASTEWATER SYSTEM UPGRADE	Not Available	6/1/09	12/1/09	7/10/09	\$6,500,000	\$5,254,360	\$0	\$11,754,360	\$352,631	\$0	Not Applicable	212

* Dates in bold are actual

** For costs incurred between 10/1/2008 and 4/30/2009

*** For Costs incurred between 12/17/2009 and 4/30/2009

**** G - Green Infrastructure

W - Water Efficiency

O - Other

Table 3
State of California Clean Water State Revolving Fund
Amended Intended Use Plan Fundable Project List
For SFY 2008/2009 and ARRA Grant

Disadvantaged Community Subsidies and all other CWSRF Projects				Type of Assistance										
Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
4049-110 SCG-667-010	WILLIAMS, CITY OF	NPDES TIME SCHEDULE - UPGRADE TREATMENT PLANT	Not Available	6/1/09	7/1/09	7/10/09	\$7,629,175	\$4,664,231	\$0	\$12,293,406	\$368,802	\$0	Not Applicable	212
4973-110 SCG-821-030	WOODLAKE, CITY OF	WOODLAKE WWTP EXPANSION AND UPGRADE	Not Available	6/1/09	9/1/09	7/10/09	\$9,050,000	\$8,014,000	\$0	\$17,064,000	\$511,920	\$0	Not Applicable	212
5411-110	CITY OF WILLITS	WASTEWATER TREATMENT / WATER RECLAMATION PROJECT (STAGES 2 & 3)	Not Available	7/1/09	9/17/09	8/17/09	\$10,000,000	\$9,000,000	\$0	\$19,000,000	\$570,000	\$0	Not Applicable	212
5039-110 SCG-908-010	ORANGE COVE, CITY OF	WWTP SYSTEM IMPROVEMENTS	Not Available	7/1/09	10/1/09	8/21/09	\$2,000,000	\$1,777,440	\$0	\$3,777,440	\$113,323	\$0	Not Applicable	212
4965-110 SCG-906-010	AMADOR WATER AGENCY	GAYLA MANOR WWTP LEACHFIELD EXPANSION	Not Available	8/7/09	8/1/09	9/11/09	\$506,776	\$0	\$0	\$506,776	\$15,203	\$5,068	Not Applicable	212
5554-110	COVELO COMMUNITY SERVICES DISTRICT	WWTP IMPROVEMENT PROJECT PHASE 1 & 2	CA0023574 R1-2006-007	6/15/09	9/17/09	8/21/09	\$2,328,865	\$0	\$0	\$2,328,865	\$69,866	\$0	Not Applicable	212
5157-110	BEAUMONT-CHERRY VALLEY WD	RECYCLED WATER FACILITIES	Not Available	6/1/09	8/1/09	7/10/09	\$2,000,000	\$15,500,000	\$0	\$17,500,000	\$525,000	\$17,500,000	W	212
5150-110	KERMAN, CITY OF	KERMAN WASTE WATER TREATMENT PLAN	R5-2007-0115	6/1/09	10/1/09	7/10/09	\$2,000,000	\$6,250,000	\$0	\$8,250,000	\$247,500	\$0	Not Applicable	212
4997-120	CHICO, CITY OF	CHICO WATER POLLUTION CONTROL PLANT EXPANSION TO 1	CA0079081 R5-2004-0073	6/15/09	8/15/09	7/17/09	\$2,000,000	\$3,600,000	\$0	\$5,600,000	\$168,000	\$0	Not Applicable	212
4971-230	REDDING, CITY OF	CLEAR CREEK WWTP EXPANSION & UPGRADE BID PACKAGE 4	CA0079731 R5-2003-0130	7/15/09	6/1/08	9/4/09	\$2,000,000	\$6,389,000	\$0	\$8,389,000	\$251,670	\$0	Not Applicable	212
5063-110	WASCO, CITY OF	CENTRIFUGE FOR WWTP	Not Available	7/17/09	8/14/09	9/4/09	\$2,000,000	\$0	\$0	\$2,000,000	\$0	\$0	Not Applicable	212
5061-110	BANNING, CITY OF	WASTEWATER TREATMENT PLANT EXP & WATER RECYC	Not Available	8/1/09	1/1/10	9/11/09	\$2,000,000	\$30,600,000	\$0	\$32,600,000	\$978,000	\$0	Not Applicable	212
4930-110 SCG-939-010	CITY OF TULELAKE	TULELAKE WASTEWATER PROJECT	Not Available	8/30/09	1/1/10	5/1/09	\$2,589,413	\$0	\$0	\$2,589,413	\$77,682	\$0	Not Applicable	212
4001-480	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP - DEWATERING FACILITY MODS	CA0053813 R4-2006-0042	3/19/04	9/1/09	5/15/09	\$0	\$0	\$13,117,000	\$13,117,000	\$0	\$0	Not Applicable	212
4729-140	LA MESA, CITY OF	INFLOW/INFILTRATION CORRECTION PHASE IV	Not Available	11/29/05	2/15/09	5/15/09	\$0	\$0	\$2,958,655	\$2,958,655	\$0	\$0	Not Applicable	212
4701-420	LOS ANGELES COUNTY SANITATION DISTRICT	WHITTIER NARROWS WRP SECONDARY TREATMENT FACILITY	CA0053716 R4-2002-0142	9/6/06	5/1/09	5/15/09	\$0	\$0	\$10,350,000	\$10,350,000	\$0	\$0	Not Applicable	212
5172-110	ANTIOCH, CITY OF	MARKLEY CREEK PROJECT	Not Available	11/18/08	7/3/08	5/15/09	\$0	\$0	\$2,500,000	\$2,500,000	\$0	\$0	Not Applicable	212
5044-110	PALO ALTO, CITY OF	REGIONAL WATER QUALITY CONTROL PLANT UV DISINFECTION	CA0037834	1/7/09	4/30/09	5/15/09	\$0	\$0	\$10,841,443	\$10,841,443	\$0	\$0	Not Applicable	212
5017-110	MILLBRAE, CITY OF	WATER POLLUTION CONTROL PLANT & COLLECTION SYSTEM	Not Available	1/20/09	9/1/09	5/22/09	\$0	\$0	\$30,000,000	\$30,000,000	\$0	\$0	Not Applicable	212
5046-110	IRONHOUSE SANITARY DISTRICT	IRONHOUSE WWTP EXPANSION AND UPGRADE	CA0085260	2/2/09	5/1/09	5/22/09	\$0	\$0	\$62,400,000	\$62,400,000	\$0	\$0	Not Applicable	212
5020-110	EAST BAY MUNICIPAL UTILITY DISTRICT	RARE WATER PROJECT MF/RO UPGRADE	Not Available	3/17/09	7/14/08	6/12/09	\$0	\$0	\$35,226,616	\$35,226,616	\$0	\$0	Not Applicable	212

* Dates in bold are actual

** For costs incurred between 10/1/2008 and 4/30/2009

*** For Costs incurred between 12/17/2009 and 4/30/2009

**** G - Green Infrastructure

W - Water Efficiency

O - Other

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Disadvantaged Community Subsidies and all other CWSRF Projects		Type of Assistance												
Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
4746-130	LOS ANGELES COUNTY SANITATION DISTRICT	PALMDALE WRP - STAGE V - TRANSMISSION PIPELINE	Not Available	4/21/09	2/28/08	6/26/09	\$0	\$0	\$15,000,000	\$15,000,000	\$0	\$0	Not Applicable	212
4746-120	LOS ANGELES COUNTY SANITATION DISTRICT	PALMDALE WRP - STAGE V STORAGE RESERVOIRS	Not Available	4/21/09	7/30/08	6/26/09	\$0	\$0	\$18,000,000	\$18,000,000	\$0	\$0	Not Applicable	212
4746-110	LOS ANGELES COUNTY SANITATION DISTRICT	PALMDALE WRP - STAGE V EXPANSION	Not Available	4/21/09	4/17/09	6/26/09	\$0	\$0	\$135,000,000	\$135,000,000	\$0	\$0	Not Applicable	212
4746-140	LOS ANGELES COUNTY SANITATION DISTRICT	PALMDALE WRP - STAGE V - PUMP STATIONS	Not Available	4/21/09	3/31/08	6/26/09	\$0	\$0	\$11,400,000	\$11,400,000	\$0	\$0	Not Applicable	212
5100-110	EASTERN MUNICIPAL WATER DISTRICT	MORENO VALLEY REGION WATER RECLAMATION FACILITY - SECONDARY CLARIFIERS AND TERTIARY TREATMENT	Not Available	5/1/09	8/1/09	7/17/09	\$0	\$0	\$56,093,724	\$56,093,724	\$0	\$0	Not Applicable	212
5115-110	UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT	SAN GABRIEL VALLEY WATER RECYCLING PROJECT PHASE 2B, SUBPHASE 1	Not Available	2/20/09	1/23/10	7/17/09	\$0	\$0	\$11,060,000	\$11,060,000	\$0	\$11,060,000	W	212
5115-120	UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT	SAN GABRIEL VALLEY WATER RECYCLING PROJECT PHASE 2B, SUBPHASE 2	Not Available	2/20/09	1/23/10	7/17/09	\$0	\$0	\$3,800,000	\$3,800,000	\$0	\$3,800,000	W	212
5332-110	INLAND EMPIRE UTILITIES AGENCY	VICTORIA AND SAN SEVAINE WELLS AND LYSIMETERS ENO	Not Available	4/24/09	5/15/09	7/17/09	\$0	\$0	\$1,800,000	\$1,800,000	\$0	\$0	Not Applicable	212
5311-110	EASTERN MUNICIPAL WATER DISTRICT	MORENO VALLEY REGION WATER RECLAMATION FACILITY	Not Available	5/15/09	6/1/09	7/24/09	\$0	\$0	\$54,000,000	\$54,000,000	\$0	\$0	Not Applicable	212
5159-110	EASTERN MUNICIPAL WATER DISTRICT	SAN JACINTO VALLEY REGIONAL WATER RECLAMATION FACILITY	Not Available	5/15/09	8/3/09	7/24/09	\$0	\$0	\$240,000,000	\$240,000,000	\$0	\$0	Not Applicable	212
4655-150	PIEDMONT, CITY OF	I/I CORRECTION	Not Available	5/15/09	6/15/09	7/24/09	\$0	\$0	\$4,733,080	\$4,733,080	\$0	\$0	Not Applicable	212
4395-110	CITY OF SAN DIEGO	GRIT PROCESSING IMPROOVEMENTS	CA0107409	5/29/09	9/15/09	7/24/09	\$0	\$0	\$46,500,000	\$46,500,000	\$0	\$0	Not Applicable	212
4188-110	YUCAIPA VALLEY WATER DISTRICT	NON-POTABLE WATER DISTRIBUTION SYSTEM PROJECT	CA0105619	5/29/09	9/30/09	7/24/09	\$0	\$0	\$5,030,450	\$5,030,450	\$0	\$5,030,450	W	212
4688-110	OAKDALE, CITY OF	UPGRADE WASTEWATER TREATMENT FACILITY	Not Available	5/29/09	10/30/09	7/24/09	\$0	\$0	\$12,000,000	\$12,000,000	\$0	\$0	Not Applicable	212
4655-140	PIEDMONT, CITY OF	I/I CORRECTION	Not Available	6/1/09	7/1/09	8/7/09	\$0	\$0	\$3,520,000	\$3,520,000	\$0	\$0	Not Applicable	212
5139-110	HUGHSON, CITY OF	WWTP REHAB WD UPGRADE	R5-2000-024	6/1/09	7/1/09	8/7/09	\$0	\$0	\$23,100,000	\$23,100,000	\$0	\$0	Not Applicable	212
5327-110	INLAND EMPIRE UTILITIES AGENCY	RP-1 DEWATERING FACILITY EXPANSION	CA0105279	6/5/09	10/7/09	8/7/09	\$0	\$0	\$27,579,000	\$27,579,000	\$0	\$0	Not Applicable	212
4001-560	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP-SKIMMINGS ODOR CONTROL FACILITY	CA0053813 R4-2006-0042	6/15/09	1/17/06	8/7/09	\$0	\$0	\$36,640,000	\$36,640,000	\$0	\$0	Not Applicable	212
4001-640	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP-POWER GENERATOR FACILITY STEAM CYCLE MODS PHASE II	CA0053813 R4-2006-0042	6/15/09	9/1/09	8/7/09	\$0	\$0	\$20,000,000	\$20,000,000	\$0	\$0	Not Applicable	212
4167-110	SOUTH ORANGE COUNTY WW AUTH.	ADVANCED WATER TREATMENT PLANT (RECLAMATION)	Not Available	6/30/09	12/31/09	8/14/09	\$0	\$0	\$15,000,000	\$15,000,000	\$0	\$0	Not Applicable	212
4998-110	NORTH COAST CWD	CALERA CREEK WATER RECYCLING DISTRIBUTION SYSTEM	Not Available	7/1/09	10/30/09	8/14/09	\$0	\$0	\$4,100,000	\$4,100,000	\$0	\$4,100,000	W	212

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Disadvantaged Community Subsidies and all other CWSRF Projects		Type of Assistance												
Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
4971-250	REDDING, CITY OF	CLEAR CREEK WWTP EXPANSION & UPGRADE BID PACKAGE 6	CA0079731 R5-2003-0130	7/15/09	6/1/08	8/28/09	\$0	\$0	\$1,216,179	\$1,216,179	\$0	\$0	Not Applicable	212
4971-240	REDDING, CITY OF	CLEAR CREEK WWTP EXPANSION & UPGRADE BID PACKAGE 5	CA0079731 R5-2003-0130	7/15/09	7/1/09	8/28/09	\$0	\$0	\$11,517,154	\$11,517,154	\$0	\$0	Not Applicable	212
4001-630	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP-POWER GENERATOR FACILITY STEAM CYCLE MODS PHASE I	CA0053813 R4-2006-0042	7/14/09	8/1/09	8/21/09	\$0	\$0	\$10,000,000	\$10,000,000	\$0	\$0	Not Applicable	212
16093	COSTA MESA SANITARY DISTRICT	FACILITIES BUILDING	Not Available	7/15/09	9/1/09	8/21/09	\$0	\$0	\$2,620,000	\$2,620,000	\$0	\$2,620,000	E	212
5043-110	GALT, CITY OF	WASTEWATER TREATMENT PLANT UPGRADES	Not Available	7/15/09	9/1/09	8/28/09	\$0	\$0	\$36,000,000	\$36,000,000	\$0	\$0	Not Applicable	212
5230-110	SAN LUIS OBISPO COUNTY	LOS OSOS WASTEWATER PROJECT - COLLECTION SYSTEM	Not Available	8/1/09	11/1/09	9/11/09	\$0	\$0	\$80,000,000	\$80,000,000	\$0	\$0	Not Applicable	212
5152-110	BURLINGAME, CITY OF	EMERGENCY WASTEWATER RETENTION BASIN	Not Available	8/15/09	12/1/09	9/25/09	\$0	\$0	\$5,200,000	\$5,200,000	\$0	\$0	Not Applicable	212
4516-110	SAN CLEMENTE, CITY OF	RECLAIMED WATER SYSTEM EXPANSION (RECLAMATION)	Not Available	8/31/09	2/1/10	10/9/09	\$0	\$0	\$13,778,700	\$13,778,700	\$0	\$13,778,700	W	212
5233-110	SOUTH COUNTY REGIONAL WASTEWATER AUTHORITY	SCRWA WATEWATER TREATMENT CAPACITY EXPANSION	Not Available	8/31/09	6/1/10	10/9/09	\$0	\$0	\$100,000,000	\$100,000,000	\$0	\$0	Not Applicable	212
5151-110	ROSS VALLEY SANITATION DISTRICT	KENTFIELD FORCE MAIN REPLACEMENT	Not Available	9/1/09	11/1/09	10/16/09	\$0	\$0	\$7,163,000	\$7,163,000	\$0	\$0	Not Applicable	212
5230-120	SAN LUIS OBISPO COUNTY	LOS OSOS WASTEWATER PROJECT - WASTEWATER TREATMENT FACILITY	Not Available	9/1/09	12/1/09	10/16/09	\$0	\$0	\$30,000,000	\$30,000,000	\$0	\$0	Not Applicable	212
5230-130	SAN LUIS OBISPO COUNTY	LOS OSOS WASTEWATER PROJECT - DISPOSAL FACILITY	Not Available	9/1/09	12/1/09	10/16/09	\$0	\$0	\$47,000,000	\$47,000,000	\$0	\$0	Not Applicable	212
4793-130	PISMO BEACH, CITY OF	PISMO OAKS LIFT STATION	Not Available	8/20/04	9/1/07	4/7/09	\$0	\$0	\$600,000	\$600,000	\$0	\$0	Not Applicable	212
4680-110	VENTURA, COUNTY OF	EL RIO SEWER PROJECT, PHASE 5A	CA0054097 R4-2004-0031	12/20/07	10/2/08	1/7/09	\$0	\$0	\$8,600,000	\$8,600,000	\$0	\$0	Not Applicable	212
5055-110	PATTERSON, CITY OF	OXIDATION DITCH UPGRADE	Not Available	6/19/08	2/23/09	1/28/09	\$0	\$0	\$1,069,602	\$1,069,602	\$0	\$0	Not Applicable	212
4148-110	ROSAMOND COMMUNITY SERVICES DISTRICT	LANDSCAPE AND AGRICULTURAL IRRIGATION (RECLAMATION)	Not Available	12/5/08	7/1/09	1/15/09	\$0	\$0	\$8,300,000	\$8,300,000	\$0	\$0	Not Applicable	212
4701-410	LOS ANGELES COUNTY SANITATION DISTRICT	WHITTIER NARROWS WRP - NDN EQUIPMENT PURCHASE	CA0053716 R4-2002-0142	9/6/06	11/1/07	10/20/08	\$0	\$0	\$4,931,545	\$4,931,545	\$0	\$0	Not Applicable	212
4916-110	LOS ANGELES COUNTY SANITATION DISTRICT	LANCASTER WRP - STAGE V PHASE I EXPANSION	Not Available	5/22/07	2/20/08	2/9/09	\$0	\$0	\$142,090,957	\$142,090,957	\$0	\$0	Not Applicable	212
5114-120	NAPA SANITATION DISTRICT	EAST SPRING STREET/MONTECITO BLVD. SEWER IMPROVEME	CA0037575	1/14/08	12/2/08	1/29/09	\$0	\$0	\$219,444	\$219,444	\$0	\$0	Not Applicable	212
4352-110	LAKE ARROWHEAD COMMUNITY SERVICES DIST.	RECYCLED WATER PHASE 1 PROJECT	WVDD#6B3601070 01	4/7/08	6/1/09	11/2/08	\$0	\$0	\$7,415,249	\$7,415,249	\$0	\$0	Not Applicable	212
4001-600	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP - POWER GEN FACILITY HEAT RECOVERY STEAM GEN	CA0053813 R4-2006-0042	9/15/08	1/7/05	12/19/08	\$0	\$0	\$3,983,711	\$3,983,711	\$0	\$0	Not Applicable	212

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Disadvantaged Community Subsidies and all other CWSRF Projects								Type of Assistance						
Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
4001-610	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP - POWER GEN FACILITY STEAM TURBINE GEN PURCH	CA0053813 R4-2006-0042	9/15/08	12/27/05	11/5/08	\$0	\$0	\$2,978,767	\$2,978,767	\$0	\$0	Not Applicable	212
4001-540	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP-BIOSOLIDS ODOR CONTROL FACILITY, PHASE 1	CA0053813 R4-2006-0042	9/20/08	12/10/02	11/5/08	\$0	\$0	\$5,330,364	\$5,330,364	\$0	\$0	Not Applicable	212
4001-550	LOS ANGELES COUNTY SANITATION DISTRICT	JWPCP-BIOSOLIDS STORAGE SILO ODOR CONTROL FACILITY	CA0053813 R4-2006-0042	9/20/08	2/6/04	1/23/09	\$0	\$0	\$2,947,840	\$2,947,840	\$0	\$0	Not Applicable	212

SRF Totals	\$129,765,272	\$312,608,710	\$1,444,712,480	\$1,887,086,462	\$26,733,821	\$101,334,096
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Restarts - Projects that lost previous State Water Board funding							Type of Assistance							
Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
04-151-552-0	California Sportfishing Protection Alliance	Suisun Creek Watershed Program	Not Available	5/17/09	5/17/09	5/17/09	\$126,418	\$0	\$0	\$126,418	\$0	\$0	Not Applicable	319
06-314-550-0	Los Angeles County Department of Beaches and Harbors	Topanga Beach Septic System Replacement Project	CAS004001	5/17/09	5/17/09	5/17/09	\$106,800	\$0	\$0	\$106,800	\$10,000	\$0	Not Applicable	212
06-313-550-0	Los Angeles County Department of Beaches and Harbors	Malibu Surfrider Beach Septic System Replacement Project	CAS004001	5/17/09	5/17/09	5/17/09	\$106,800	\$0	\$0	\$106,800	\$8,000	\$0	Not Applicable	212
06-136-559-1	Los Penasquitos Lagoon Foundation	Los Penasquitos Sediment Basin Project	Not Available	5/17/09	5/17/09	5/17/09	\$991,416	\$0	\$0	\$991,416	\$0	\$0	Not Applicable	319
06-343-552-0	Marin Conservation Corps	Olema Creek Sediment Reduction Project	Not Available	5/17/09	5/17/09	5/17/09	\$563,976	\$0	\$0	\$563,976	\$0	\$0	Not Applicable	319
06-293-559-0	Mission Resource Conservation District	Arundo control San Luis Rey: Water Conservation, Pollution Reduction, and Habitat Restoration	Not Available	5/17/09	5/17/09	5/17/09	\$371,736	\$0	\$0	\$371,736	\$0	\$0	Not Applicable	319
06-337-559-0	Southern California Coastal Water Research Project	Creating Tools for Numeric Criteria and Total Maximum Daily Load Development in San Diego Coastal Lagoons	Not Available	5/17/09	5/17/09	5/17/09	\$617,948	\$0	\$0	\$617,948	\$0	\$0	Not Applicable	319
06-157-556	Tahoe Resource Conservation District	Lake Tahoe Watershed Improvement Project	Not Available	5/17/09	5/17/09	5/17/09	\$1,572,138	\$0	\$0	\$1,572,138	\$0	\$1,572,138	G	319
06-072-559-0	The Regents of the University of California	La Jolla Shores Area of Biological Significance (ASBS) Dry Weather Flow and Pollution Control Program	Not Available	5/17/09	5/17/09	5/17/09	\$2,506,631	\$0	\$0	\$2,506,631	\$0	\$2,506,631	G	319
06-280-558-1	Western Riverside County Agriculture Coalition	Implementation of TMDL Agricultural Operator Voluntary Program with 2 BMPs implemented	Not Available	5/17/09	5/17/09	5/17/09	\$111,391	\$0	\$0	\$111,391	\$0	\$0	Not Applicable	319
06-167-552-1	California Land Stewardship Institute	Napa River Sediment Reduction And Habitat Enhancement Plan	Not Available	5/17/09	5/17/09	5/17/09	\$500,000	\$0	\$0	\$500,000	\$0	\$500,000	G	319
06-274-553-0	Central Coast Agricultural Water Quality Coalition	Demonstrating Compatibility of Water Quality and Food Safety through Research and Implementation	Not Available	5/17/09	5/17/09	5/17/09	\$566,891	\$0	\$0	\$566,891	\$0	\$0	Not Applicable	319
06-312-550-0	Port of San Francisco	Pier 45 Drainage Improvement/Herring Water Discharge	CAS000004	5/17/09	5/17/09	5/17/09	\$1,615,428	\$0	\$0	\$1,615,428	\$0	\$0	Not Applicable	212
04-319-550-1	California Certified Organic Farmers Foundation	Going Organic Project	Not Available	5/17/09	5/17/09	5/17/09	\$170,010	\$0	\$0	\$170,010	\$0	\$0	Not Applicable	319
05-105-553-0	Central Coast Water Quality Preservation, Inc.	Management Practices to Improve Water Quality in the Pajaro, Salinas and Elkhorn Watersheds	Not Available	5/17/09	5/17/09	5/17/09	\$99,913	\$0	\$0	\$99,913	\$0	\$0	Not Applicable	319
07-587-550-0	City of Hermosa Beach	Hermosa Strand Infiltration Trench	CAS004001	5/17/09	5/17/09	5/17/09	\$1,635,344	\$0	\$0	\$1,635,344	\$0	\$0	Not Applicable	212
06-224-554-1	City of Long Beach	Los Angeles River Trash Nets	CAS004003	5/17/09	5/17/09	5/17/09	\$451,908	\$0	\$0	\$451,908	\$4,000	\$0	Not Applicable	212
04-423-554-2	City of Los Angeles, Department of Public Works	Mar Vista Recreation Center Retrofit	CAS004001	5/17/09	5/17/09	5/17/09	\$1,700,000	\$0	\$0	\$1,700,000	\$7,000	\$0	Not Applicable	212
06-218-554-0	City of Ojai	Ojai Wetland Restoration, Stormwater Capture and Groundwater Recharge Project	CAS004001	5/17/09	5/17/09	5/17/09	\$231,296	\$0	\$0	\$231,296	\$0	\$231,296	Not Applicable	212
06-226-553-0	County of Santa Cruz, Dept of Public Works	Reducing Nonpoint Source (NPS) Sediment and Pesticide Pollution in County Road Maintenance Operations	CAS000004	5/17/09	5/17/09	5/17/09	\$428,374	\$0	\$0	\$428,374	\$0	\$0	Not Applicable	212
06-276-554-1	Friends of the Santa Clara River	Hedrick Ranch Nature Area Wetland & Riparian Restoration	Not Available	5/17/09	5/17/09	5/17/09	\$201,229	\$0	\$0	\$201,229	\$0	\$201,229	G	319

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06-292-551	Gold Ridge Resource Conservation District	Estero Americano Sediment Reduction Project	Not Available	5/17/09	5/17/09	5/17/09	\$330,549	\$0	\$0	\$330,549	\$0	\$330,549	G	319
06-291-551	Gold Ridge Resource Conservation District	Estero Americano Rangeland Water Quality Enhancement Project	Not Available	5/17/09	5/17/09	5/17/09	\$628,847	\$0	\$0	\$628,847	\$0	\$628,847	G	319
06-141-551-1	Mattole Restoration Council	Mattole River Watersehd Management Initiative	Not Available	5/17/09	5/17/09	5/17/09	\$1,533,799	\$0	\$0	\$1,533,799	\$0	\$1,533,799	O	319
06-281-558-0	Orange County Coastkeeper	Orange County Nurseries Water Quality Improvement Project	Not Available	5/17/09	5/17/09	5/17/09	\$104,986	\$0	\$0	\$104,986	\$0	\$0	Not Applicable	319
06-174-555-1	Plumas Corporation	Upper Middle Fork Feather River Complex	Not Available	5/17/09	5/17/09	5/17/09	\$138,577	\$0	\$0	\$138,577	\$0	\$138,577	O	319
06-273-553-0	Resource Conservation District of Santa Cruz County	Permit Coordination & Agricultural Water Quality Implementation Program in the Pajaro Watershed	Not Available	5/17/09	5/17/09	5/17/09	\$428,252	\$0	\$0	\$428,252	\$0	\$0	Not Applicable	319
06-299-550-0	Santa Cruz County Sanitation District	Aptos Esplanade	CAS000004	5/17/09	5/17/09	5/17/09	\$487,840	\$0	\$0	\$487,840	\$0	\$0	Not Applicable	212
06-156-556	Sierra Nevada Alliance	Evaluating Land Use Practices in Sierra Nevada Watersheds and Their Impact on Water Quality	Not Available	5/17/09	5/17/09	5/17/09	\$132,911	\$0	\$0	\$132,911	\$0	\$0	Not Applicable	319
06-132-556-0	Tahoe Resource Conservation District	Polaris Creek/Wetland/SEZ Restoration for Tahoe TMDL. BMP Efficiency, Habitat Enhancement and Outreach	Not Available	5/17/09	5/17/09	5/17/09	\$383,491	\$0	\$0	\$383,491	\$0	\$383,491	O	319
06-155-556-1	Truckee River Watershed Council	Perazzo Meadows Restoration	Not Available	5/17/09	5/17/09	5/17/09	\$800,000	\$0	\$0	\$800,000	\$0	\$800,000	O	319
04-231-550-1	University of California, Davis	Evaluating Best Management Practices (BMPs) Effectiveness to Reduce Volumes of Runoff and Improve the Quality of Runoff from Urban Environments	Not Available	5/17/09	5/17/09	5/17/09	\$1,215,290	\$0	\$0	\$1,215,290	\$0	\$0	Not Applicable	319
06-173-555-01	City of Chico	Big Chico Creek and Lindo Channel Floodplain, Wetland and Riparian Restoration	Not Available	5/17/09	5/17/09	5/17/09	\$523,514	\$0	\$0	\$523,514	\$0	\$523,514	O	319
06-207-554-0	Ventura County Watershed Protection District	Matilija Dam Ecosystem Restoration Project	Not Available	5/17/09	5/17/09	5/17/09	\$1,147,449	\$0	\$0	\$1,147,449	\$0	\$1,147,449	O	319
06-180-558-0	Western Municipal Water District	Chino II Desalter Ultimate Expansion	Not Available	5/17/09	5/17/09	5/17/09	\$4,486,284	\$0	\$0	\$4,486,284	\$0	\$0	Not Applicable	319
07-579-550-0	City of Los Angeles, Department of Public Works	Santa Monica Bay Low Flow Diversions Upgrades	CA004001	5/17/09	5/17/09	5/17/09	\$5,000,000	\$0	\$0	\$5,000,000	\$3,000	\$0	Not Applicable	212
05-728-550-0	Elsinore Valley Municipal Water District	Wildomar Recycled Water System (Phase 1 & 1A)	CA8000027	5/17/09	5/17/09	5/17/09	\$4,000,000	\$0	\$0	\$4,000,000	\$5,000	\$4,000,000	W	212
06-146-555-0	Community Alliance with Family Farmers Foundation	BMPs for reducing sediment and pesticides in runoff from Colusa County almond orchards	Not Available	5/17/09	5/17/09	5/17/09	\$534,244	\$0	\$0	\$534,244	\$0	\$0	Not Applicable	319
06-288-551-0	Pacific Coast Fish, Wildlife and Wetlands Restoration Association	Redwood Creek Erosion Control	Not Available	5/17/09	5/17/09	5/17/09	\$1,417,318	\$0	\$0	\$1,417,318	\$0	\$0	Not Applicable	319
06-289-551-0 07-508-551-0	Redwood Community Action Agency	Humboldt Bay Sediment Reduction & Salmon Habitat Improvement Project	Not Available	5/17/09	5/17/09	5/17/09	\$1,172,816	\$0	\$0	\$1,172,816	\$0	\$1,172,816	O	319
06-339-558	Southern California Coastal Water Research Project	Mapping Wetland and Riparian Habitats in Southern California Coastal Watersheds	Not Available	5/17/09	5/17/09	5/17/09	\$502,143	\$0	\$0	\$502,143	\$0	\$0	Not Applicable	319
06-161-553-1	Resource Conservation District of Santa Cruz County	Integrated Watershed Restoration Program Phase II	Not Available	5/17/09	5/17/09	5/17/09	\$2,534,073	\$0	\$0	\$2,534,073	\$0	\$2,534,073	O	319

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*** For Costs incurred between 12/17/2009 and 4/30/2009

**** G - Green Infrastructure

W - Water Efficiency

O - Other

Table 3
State of California Clean Water State Revolving Fund
Amended Intended Use Plan Fundable Project List
For SFY 2008/2009 and ARRA Grant

Restarts - Projects that lost previous State Water Board funding		Type of Assistance												
Proj. No.	Agency	Project Name	NPDES PERMIT #WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
04-305-552-0	San Mateo County Resource Conservation District	Improving Water Quality in Coastal San Mateo County Watersheds	Not Available	5/17/09	5/17/09	5/17/09	\$225,181	\$0	\$0	\$225,181	\$0	\$0	Not Applicable	319
06-298-550-0	City of Malibu	Paradise Cove Storm Water Treatment System	CAS004001	5/17/09	5/17/09	5/17/09	\$808,556	\$0	\$0	\$808,556	\$5,000	\$0	Not Applicable	212
06-105-550-2	City of Seaside	Bay Street Outfall Dry Weather Diversion Project	CAS000004	5/17/09	5/17/09	5/17/09	\$454,172	\$0	\$0	\$454,172	\$6,000	\$0	Not Applicable	212
06-116-551-2	Humboldt County Resource Conservation District	Humboldt Agricultural Enhancement Program Phase 4	Not Available	5/17/09	5/17/09	5/17/09	\$729,100	\$0	\$0	\$729,100	\$0	\$0	Not Applicable	319
06-074-551-01	Redwood Community Action Agency	North Coast Stormwater Coalition's Nonpoint Source Pollution Prevention Program	Not Available	5/17/09	5/17/09	5/17/09	\$137,532	\$0	\$0	\$137,532	\$0	\$137,532	G	319
07-586-550	Santa Cruz County Sanitation District	Aptos Beach at Valencia Creek	CAS000004	5/17/09	5/17/09	5/17/09	\$168,750	\$0	\$0	\$168,750	\$0	\$0	Not Applicable	212
06-342-552-0	Association of Bay Area Governments	Taking Action for Clean Water Bay Area TMDL Implementation	Not Available	5/17/09	5/17/09	5/17/09	\$2,080,483	\$0	\$0	\$2,080,483	\$0	\$0	Not Applicable	319
06-266-550-0	City of Long Beach	Colorado Lagoon Beaches Restoration	CAS004003	5/17/09	5/17/09	5/17/09	\$3,534,013	\$0	\$0	\$3,534,013	\$10,000	\$0	Not Applicable	212
06-348-552	Marin Resource Conservation District	Conserving Our Watersheds Ranch Water Quality Improvement Project	Not Available	5/17/09	5/17/09	5/17/09	\$689,546	\$0	\$0	\$689,546	\$0	\$0	Not Applicable	319
06-145-551-01	Mendocino County Department of Transportation	Tomki Road Feasibility Study and Prototype Vented Low Water Crossing	Not Available	5/17/09	5/17/09	5/17/09	\$199,091	\$0	\$0	\$199,091	\$0	\$0	Not Applicable	319
04-162-555-2	Western Shasta Resource Conservation District	Integrated Ecosystem Improvements for Shasta County Watersheds	Not Available	5/17/09	5/17/09	5/17/09	\$98,484	\$0	\$0	\$98,484	\$0	\$0	Not Applicable	319
06-282-552-0	County of Napa	Napa River - Rutherford Reach Restoration	Not Available	5/17/09	5/17/09	5/17/09	\$981,037	\$0	\$0	\$981,037	\$8,000	\$981,037	O	319
06-217-558-1	Inland Empire Utilities Agency	Magnolia Channel	Not Available	5/17/09	5/17/09	5/17/09	\$772,655	\$0	\$0	\$772,655	\$3,000	\$772,655	G	319
04-412-554-1	City of Redondo Beach	Sapphire Storm Drain Low Flow Diversion	CAS004001	5/17/09	5/17/09	5/17/09	\$202,000	\$0	\$0	\$202,000	\$2,000	\$0	Not Applicable	212
04-079-558-1	City of Newport Beach	Big Canyon Creek Restoration Project	CAS618030	5/17/09	5/17/09	5/17/09	\$57,010	\$0	\$0	\$57,010	\$0	\$57,010	G	212
06-354-550-0	Santa Cruz County Sanitation District	New Brighton/Seacliff Beach Sewer line Replacement	CAS000004	5/17/09	5/17/09	5/17/09	\$1,725,699	\$0	\$0	\$1,725,699	\$0	\$0	Not Applicable	212
07-558-550-0	Carpinteria Sanitary District	South Coast Beach Communities Septic to Sewer Project	Not Available	5/17/09	5/17/09	5/17/09	\$2,156,750	\$0	\$0	\$2,156,750	\$0	\$0	Not Applicable	319
04-194-558-2	City of Huntington Beach	East Garden Grove Wintersburg Channel Urban Runoff Diversion Project - Phase I	CAS618030	5/17/09	5/17/09	5/17/09	\$1,713,155	\$0	\$0	\$1,713,155	\$6,000	\$0	Not Applicable	212
06-225-554-1	City of Long Beach	Los Angeles River VSS Unit	CAS004003	5/17/09	5/17/09	5/17/09	\$583,919	\$0	\$0	\$583,919	\$3,000	\$0	Not Applicable	212
06-231-544-0	City of Long Beach	Los Angeles River Trash Separation Device - SD13	CAS004003	5/17/09	5/17/09	5/17/09	\$545,937	\$0	\$0	\$545,937	\$4,000	\$0	Not Applicable	212
06-286-551-1	California Land Stewardship Institute	Fish Friendly Farming Program Agricultural Clean Water Implementation	Not Available	5/17/09	5/17/09	5/17/09	\$432,157	\$0	\$0	\$432,157	\$0	\$0	Not Applicable	319

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Table 3
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Proj. No.	Agency	Project Name	NPDES PERMIT #/WDR	Estimated Commitment Date (PFC)*	Estimated Construction Start Date*	Estimated Agreement Date*	Estimated ARRA Subsidy	Estimated ARRA Financing	Estimated SRF Financing	Estimated Total Funding	Estimated Pre-ARRA Award Costs**	Estimated Green Value	Green Project Type****	Project Type
06-275-553-0	Central Coast Vineyard Team	Research and Implementation of BMP's To Protect Water Quality	Not Available	5/17/09	5/17/09	5/17/09	\$216,983	\$0	\$0	\$216,983	\$0	\$0	Not Applicable	319
06-230-558-1	Inland Empire Utilities Agency	Greater Prado Basin Clean-Up & Restoration	Not Available	5/17/09	5/17/09	5/17/09	\$366,880	\$0	\$0	\$366,880	\$1,500	\$0	Not Applicable	319
04-084-558-2	Inland Empire Utilities Agency	Chino Creek Master Plan & Surface Wetlands	Not Available	5/17/09	5/17/09	5/17/09	\$2,707,580	\$0	\$0	\$2,707,580	\$4,000	\$0	Not Applicable	319
06-353-553-0	San Jose State University Research Foundation	Assessment of State-funded Wetland Restoration Projects in Region 3	Not Available	5/17/09	5/17/09	5/17/09	\$271,943	\$0	\$0	\$271,943	\$0	\$0	Not Applicable	319
06-178-558-0	Santa Ana Watershed Project Authority	Middle Santa Ana River Pathogen TMDL-BMP Implementation	Not Available	5/17/09	5/17/09	5/17/09	\$60,664	\$0	\$0	\$60,664	\$0	\$0	Not Applicable	319
06-350-553-0	The Bay Foundation of Morro Bay	Implementation Effectiveness Assessment for the Morro Bay Watershed	Not Available	5/17/09	5/17/09	5/17/09	\$284,589	\$0	\$0	\$284,589	\$0	\$0	Not Applicable	319
07-580-550-0	Trinidad Rancheria	Trinidad Harbor and Beach Project	Not Available	5/17/09	5/17/09	5/17/09	\$1,469,864	\$0	\$0	\$1,469,864	\$0	\$0	Not Applicable	319
06-221-551-1	City of Santa Rosa, CA	Santa Rosa Creek- B Street Outfall retrofit project	CA0025054	5/17/09	5/17/09	5/17/09	\$363,404	\$0	\$0	\$363,404	\$0	\$0	Not Applicable	212
02-241-550-0	City of Santa Cruz	Dry Weather Diversion At San Lorenzo River Pump Stations #1b and #3	CAS000004	5/17/09	5/17/09	5/17/09	\$512,553	\$0	\$0	\$512,553	\$0	\$0	Not Applicable	212
Stopped Grant Project Totals							\$66,727,719	\$0	\$0	\$66,727,719	\$89,500	\$20,152,643		

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Attachment 4 Summary of Issues Discussed with Regional Water Boards in May 2008

Summary

The Division of Financial Assistance (DFA) Clean Water State Revolving Fund (CWSRF) Program is in the process of exploring avenues to help meet the financial needs of communities and support the Regional Water Quality Control Boards (Regional Water Boards) efforts to protect and improve California's Water Quality.

The information in the next few pages summarizes the suggestions and questions DFA received during its meetings with the Regional Water Boards in May 2008.

In-Depth Explanation of Topics at Future Workshops

- CWSRF Program overview
- Types of projects funded by CWSRF
- Funding process
 - Time lines
 - Eligibility of Municipal Separate Storm Sewer (MS4) type projects
- Intended Use Plan (IUP)
- Project Priority List (PPL)
 - Guidelines/Procedures on “How To” put together and submit a PPL to the State Water Board and what the project criteria would be.
 - Prioritized list of projects at the Regional Water Boards that may be adapted to CWSRF needs.
- Financial structure
- CWSRF on-line application process
 - How to help potential applicants figure out a repayment source.
- Eligibility of stormwater management program activities

Marketing

- Continue to provide outreach and brochure material
 - Add pictures of funded Nonpoint Source (NPS), Agriculture and Storm Water projects to the CWSRF brochure.
 - Present the CWSRF Program to associations, roundtables, public forums and workshops in an effort to get the information to the end users.
 - Hold CWSRF Program presentation meetings after Total Maximum Daily Load (TMDL) workshops.
 - Advertise in technical magazines.
 - Make a short 10-15 minute DVD that explains the Program and explains application and funding steps.
 - Create a template letter that can be sent out to communities asking for input on who might benefit from the CWSRF Program.
 - Inform discharger, end users, etc. about the CWSRF loan Program if they do not qualify for a grant.

- Focus future meetings on specific programs. Regional Water Boards are set up in program units such as Storm Water, National Pollutant Discharge Elimination Systems (NPDES), Landfill, Nonchapter 15, and Basin Planning. etc. It would make it easier for staff assigned to these units to understand and relate what projects might be eligible for funding by CWSRF.
- Better communicate between the Water Boards.

Funding

- For non-traditional type projects (e.g. NPS), be more specific about how these borrowers are able to come up with a repayment stream that meets the State Water Boards' credit standards.
- For communities that are economically disadvantaged, carve out a small pool of funds that can be used to subsidize repayment.
- Encourage use of CWSRF loans for defensible space in the Regional area.

Web Site

- Add a link to the Regional Water Boards' public web site that directs users to the CWSRF web site.
- Create a better link between the grant and loan programs.

Identified Potential Priorities

- Agricultural discharges
- Anti-degradation
- Bacteria in the beaches
- BMP implementation
- Closed/inactive landfills
- Collection System/Septic tank issues
- Infrastructure replacement/rehabilitation
- Nonpoint source control
- Public wastewater treatment facilities
- Restoration projects
- Selenium in groundwater
- Septic to sewer projects
- Stormwater projects
- Wastewater treatment

Questions Submitted

- What are the different propositions and funding sources?
Response: The best source of information is on the DFA web site.
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/#funding_programs.
- Is there a road map for all the different funding sources?
Response: The best source of information is on the DFA web site.
http://www.waterboards.ca.gov/water_issues/programs/grants_loans/#funding_programs.

- Can the CWSRF be used for dairies to install monitoring wells or install lined wastewater lagoons under the “agricultural” projects?
Response: Yes, provided the project is not a Concentrated Animal Feeding Operation (CAFO).
- How is a project removed from the priority list?
Response: The applicant should write a letter requesting removal from the priority list. Projects are removed if there is no activity after five years from date of being added to the priority list. For more information contact Kyle Wooldridge at the State Water Board.
- Are ‘ready to proceed’ projects in FFAST?
Response: Not at this time. For more information contact Kyle Wooldridge at the State Water Board.
- Can entities get a CWSRF loan to match Proposition 84 grants or other state and federal grants?
Response: Yes, if allowed by guidelines of Prop. 84 or the other programs. The project has to be eligible under CWSRF.

Attachment 5 CWSRF Project Descriptions and Examples for Green Project Reserve (GPR)

The American Recovery and Reinvestment Act of 2009 (ARRA) requires that at least 20 percent of each State's capitalization grant be used to fund projects referred to as the Green Project Reserve. The following is a set of examples for projects EPA believes would be eligible. It should be noted that all project eligibility requirements otherwise applicable to the CWSRF program apply to the GPR.

Under the GPR in the CWSRF both entire projects may be considered for inclusion or appropriate identifiable components of larger projects may be considered for inclusion. Whatever projects or project components are included, such projects or project components must clearly advance the objectives articulated in the specific categories discussed below.

Business Case Requirements for Counting Costs toward the 20 percent Reserve

There are some types of projects that clearly will qualify towards the 20 percent Green Project Reserve, being entirely and explicitly framed as a green infrastructure or a water or energy efficiency project. However, some types of traditional projects may also have benefits that may in some cases be counted towards the 20 percent Green Project requirement. For such traditional projects (or portion of a project) to be counted towards the 20 percent requirement, the State's project files must contain documentation that the clear business case for the project (or portion) investment includes achievement of identifiable and substantial benefits that qualify as Green Project benefits.

The required documentation could be a simple memo but must indicate the basis on which this project was judged to qualify to be counted toward the 20 percent requirement. Such a memo would typically include direct reference to a preliminary engineering or other planning document that makes clear that the basis upon which the project (or portion) was undertaken included identifiable and substantial benefits qualifying for the Green Project Reserve.

Water Efficiency

- I. Water efficiency is the use of improved technologies and practices to deliver equal or better services with less water.
- II. Projects eligible for assistance include assistance
 - a. to any municipality, intermunicipal, interstate, or State agency for construction of publicly owned treatment works defined in section 212 of the Clean Water Act
 - i. Planning and design activities for water efficiency that are reasonably expected to result in a capital project are eligible; to the extent practicable, such projects should be coordinated with drinking water systems and projects.
 - ii. Building activities that implement capital water efficiency projects are eligible.
 - b. to public or privately owned projects that implement State Nonpoint Source Management Plans established under section 319 of the Clean Water Act
 - i. Planning and design activities for water efficiency that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital water efficiency projects are eligible.

- c. to public or privately owned projects that develop or implement a Comprehensive Conservation Management Plan established under section 320 of the Clean Water Act.
 - i. Planning and design activities for water efficiency that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital water efficiency projects are eligible.
- III. Water efficiency projects can be stand alone projects. They do not need to be part of a larger capital improvement project.
- IV. Drinking Water Utilities may apply to the Clean Water State Revolving Fund.
- V. Examples of projects include
 - a. Installation of water meters
 - b. Retrofit or replacement of water using fixtures, fittings, equipment or appliances
 - c. Efficient landscape or irrigation equipment
 - d. Systems to recycle gray water
 - e. Reclamation, recycling, and reuse of existing rainwater, condensate, degraded water, stormwater, and/or wastewater streams.
 - f. Collection system leak detection equipment

Energy Efficiency

- I. Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water quality projects, including projects to reduce energy consumption or produce clean energy used by a treatment works defined in Sec. 212.
 - a. Web link to EPA's clean energy site <http://www.epa.gov/cleanenergy/>
 - b. Clean energy includes wind, solar, geothermal, hydroelectric, and biogas combined heat and power systems.
- II. Projects eligible for assistance include assistance
 - a. to any municipality, intermunicipal, interstate, or State agency for construction of publicly owned treatment works defined in section 212 of the Clean Water Act
 - i. Planning and design activities for energy efficiency that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital energy efficiency projects are eligible.
 - b. to public or privately owned projects that implement State Nonpoint Source Management Plans established under section 319 of the Clean Water Act
 - i. Planning and design activities for energy efficiency that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital energy efficiency projects are eligible.
 - c. to public or privately owned projects that develop or implement a Comprehensive Conservation Management Plan established under section 320 of the Clean Water Act.
 - i. Planning and design activities for energy efficiency that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital energy efficiency projects are eligible.

- III. Energy efficiency projects can be stand alone projects. They do not need to be part of a larger capital improvement project.
- IV. Examples of projects include
 - a. Energy efficient retrofits and upgrades to pumps and treatment processes
 - b. Leak detection equipment for treatment works
 - c. Producing clean power for 212 treatment works on site (wind, solar, hydroelectric, geothermal, biogas powered combined heat and power)¹

Green Infrastructure

- I. Definition: Green Infrastructure includes a wide array of practices at multiple scales that manage and treat stormwater and that maintain and restore natural hydrology by infiltrating, evapotranspiring and capturing and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site- and neighborhood-specific practices, such as bioretention, trees, green roofs, porous pavements and cisterns.
- II. Projects eligible for assistance include assistance
 - a. to any municipality, intermunicipal, interstate, or State agency for construction of publicly owned treatment works defined in section 212 of the Clean Water Act
 - i. Planning and design activities for green infrastructure that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital green infrastructure projects are eligible.
 - b. to public or privately owned projects that implement State Nonpoint Source Management Plans established under section 319 of the Clean Water Act
 - i. Planning and design activities for green infrastructure that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital green infrastructure projects are eligible.
 - c. to public or privately owned projects that develop or implement a Comprehensive Conservation Management Plan established under section 320 of the Clean Water Act.
 - i. Planning and design activities for green infrastructure that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital green infrastructure projects are eligible.
- III. If a project is specifically required by a draft or final NPDES permit, then it can only be funded through Sec. 212 or Sec. 320 authority
- IV. Green infrastructure projects can be stand alone projects. They do not need to be part of a larger capital improvement project.
- V. Examples of projects include
 - a. Implementation of green streets (combinations of green infrastructure practices in transportation rights-of-ways), for either new development, redevelopment or retrofits
 - b. Implementation of water harvesting and reuse programs or projects, where consistent with state and local laws and policies.

¹ Project file should include a calculation of the energy efficiency of the project.

- c. Implementation of wet weather management systems for parking areas which include: the incremental cost of porous pavement, bioretention, trees, green roofs, and other practices that mimic natural hydrology and reduce effective imperviousness at one or more scales, including constructed wetlands.
- d. Hydromodification to establish or restore riparian buffers, floodplains, wetlands and other natural features.
- e. Downspout disconnection to remove stormwater from combined sewers and storm sewers.
- f. Comprehensive retrofit programs designed to keep wet weather out of all types of sewer systems using green infrastructure technologies and approaches.
- g. Implementation of comprehensive street tree or urban forestry programs, including expansion of tree box sizes to manage additional stormwater and enhance tree health.

Environmentally Innovative Projects

- I. Projects that demonstrate new and/or innovative approaches to managing water resources in a more sustainable way, including projects that achieve pollution prevention or pollutant removal with reduced costs and projects that foster adaptation of water protection programs and practices to climate change.
- II. Projects eligible for assistance include assistance
 - a. to any municipality, intermunicipal, interstate, or State agency for construction of publicly owned treatment works defined in section 212 of the Clean Water Act
 - i. Planning and design activities for environmentally innovative projects that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital environmentally innovative projects are eligible.
 - b. to public or privately owned projects that implement State Nonpoint Source Management Plans established under section 319 of the Clean Water Act
 - i. Planning and design activities for environmentally innovative projects that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital environmentally innovative projects are eligible.
 - c. to public or privately owned projects that develop or implement a Comprehensive Conservation Management Plan established under section 320 of the Clean Water Act.
 - i. Planning and design activities for environmentally innovative projects that are reasonably expected to result in a capital project are eligible.
 - ii. Building activities that implement capital environmentally innovative projects are eligible.
- III. Examples of projects include
 - a. Green Infrastructure/Low Impact development stormwater projects
 - b. Wetland restoration and constructed wetlands
 - c. Decentralized wastewater treatment solutions to existing deficient or failing on site systems.
 - d. Water reuse projects that reduce energy consumption, recharge aquifers or reduce water withdrawals and treatment costs
 - e. The water quality portion of projects that employ development and redevelopment practices that preserve or restore site hydrologic processes through sustainable landscaping and site design.

- f. Projects that use water balance approaches (water budgets) at the project, local or state level that preserve site, local or regional hydrology. Such an effort could show-case efforts to plan and manage in a concerted manner, surface and groundwater withdrawals, stream flow (aquatic species protection), wetland and floodplain storage, groundwater recharge and regional or local reuse and harvesting strategies using a quantified methodology.
- g. Projects that facilitate adaptation of clean water programs and practices to climate change.
- h. The water quality portion of projects that demonstrate the energy savings and greenhouse reduction benefits of sustainable site design practices and the use of green stormwater infrastructure.
- i. Projects that incorporate differential uses of water based on the level of treatment to reduce the costs of treating all water to potable water standards.
- j. Projects that identify and quantify the benefits of using integrated water resources management approaches.