

State of California

CLEAN WATER STATE REVOLVING FUND

and

The Water Quality, Supply, and Infrastructure Improvement
Act of 2014

(Proposition 1 -Chapter 5, Section 79723)

INTENDED USE PLAN

**STATE FISCAL YEAR 2018-19
(FEDERAL FISCAL YEAR 2018 CAPITALIZATION GRANT)**

Division of Financial Assistance • 1001 I Street • Sacramento, CA 95814

*Approved by: State Water Resources Control Board
XXXX XX, XXXX - Resolution No. XXXX-XXXX*

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I. INTRODUCTION

Water is one of the most essential natural resources in California. The State Water Resources Control Board (State Water Board) and the nine Regional Water Quality Control Boards (Regional Water Boards), collectively the 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 the protection and improvement of water quality. 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 issued by the Regional Water Boards. Every project is directly related to protecting or improving public health, water quality, or both.

The State of California also periodically allocates funding to the State Water Board for financing programs that help protect and improve water quality. Many of these programs can be used in conjunction with the CWSRF program.

This Intended Use Plan (IUP) establishes the priority and processes for projects to be funded in State Fiscal Year (SFY) 2018-19.

California's CWSRF program continues to evolve. Recent efforts by the State Water Board to improve the program and to encourage water recycling projects during the drought have dramatically increased demand on the CWSRF. The Division of Financial Assistance (DFA) expects this high level of demand to continue in the future given the attractive terms available through the CWSRF.

The unprecedented interest in CWSRF funding continues to create challenges for both applicants and State Water Board staff. DFA conducted three stakeholder workshops in June and July 2017 to solicit input on potential CWSRF program changes to make the financing process more predictable and manageable. Stakeholders should note that the SFY 2018-19 IUP includes several changes taken from those workshops, highlighted briefly below, to better manage the current demand.

- Establishing a “funding target” based on a sustainable financing level supported by an updated capacity analysis to maintain the CWSRF on a sound financial basis.
- Scoring or prioritizing applications on a “dry run” basis before implementing permanent prioritization criteria.
- Developing a “Fundable List” of applications, and limiting eligibility during the fiscal year to applications on the Fundable List with the exception of Severely Disadvantaged Communities (SDAC)s and Disadvantaged Communities (DAC)s.
- Offering partial funding to larger projects.
- Reimbursing construction costs incurred prior to approval of financing under limited conditions.

Given the ongoing high demand on the CWSRF, the State Water Board will not be able to fund all the projects currently requesting funding in SFY 2018-19. Applicants whose projects are not on the Fundable List are encouraged to evaluate the CWSRF's finances and competing demands on the program as described in this IUP and any updates during the year, and

evaluate all viable, alternative financing options for their projects considering any deadlines they must meet.

A. Authority, and Past Achievements

In 1987, the United States Congress and the President amended the CWA to replace the long-standing, federal Construction Grants Program (Title II) with the more flexible CWSRF program (Title VI). In 2014, Congress and the President approved the [Water Resources Reform and Development Act of 2014 \(WRRDA\)](#), making many changes to the requirements and eligibilities included in Title VI of the CWA. California's CWSRF program is authorized under California [Water Code Sections 13475-13485](#), and operates pursuant to an [Operating Agreement](#) between the State Water Board and the United States Environmental Protection Agency (U.S. EPA) Region 9.

The CWSRF functions as an environmental infrastructure bank capitalized by federal and state funds – providing a sustainable source of funds for water quality protection and improvement. The CWSRF's capital and its earnings are used to provide financial assistance to a wide variety of water quality projects. States can target specific water quality problems, offer a variety of financing options, and customize terms to meet their water quality needs. Financing options include loans, refinancing debt, purchasing or guaranteeing local debt, and purchasing bond insurance. Interest rates must be below the market rate.¹ Repayment periods are generally the lesser of 30 years or the expected useful life of the financed asset. Since 2009, federal CWSRF appropriations and California law have also authorized grants, negative interest rates, and principal forgiveness (PF) on a limited basis.

All 50 states and Puerto Rico are currently operating successful CWSRF programs. The total CWSRF financing [nationwide](#) exceeds \$118 billion. California's CWSRF has grown since financing its first project in 1989, and has executed more than \$11.0 billion in financial assistance agreements with over 300 unique recipients. The program has funded a broad range of projects. Approximately 96 percent (96%) of funds have been used for publicly owned wastewater infrastructure systems, and about four percent (4%) of funds have been used for nonpoint source or estuary projects.

B. Connections to Other Plans, Goals, and Programs

The CWSRF program supports the following goals from the State Water Board's most recent [Strategic Plan Update](#).

Goal 1: Implement strategies to fully support the beneficial uses for all 303(d) listed water bodies by 2030.

Goal 2: Improve and protect groundwater quality in high-use basins by 2030.

Goal 3: Increase sustainable local water supplies available for meeting existing and future beneficial uses by 1,725,000 acre-feet per year, in excess of 2002 levels, by 2015, and ensure adequate flows for fish and wildlife habitat.

¹ Throughout this document, the word "loan" is used expansively and may include bonds, installment sale agreements, and other types of repayable financing.

Goal 4:Comprehensively address water quality protection and restoration, and the relationship between water supply and water quality, and describe the connections between water quality, water quantity, and climate change, throughout California’s water planning processes.

Goal 5:Improve transparency and accountability by ensuring that State Water Board goals and actions are clear and accessible, by demonstrating and explaining results achieved with respect to the goals and resources available, by enhancing and improving accessibility of data and information, and by encouraging the creation of organizations or cooperative agreements that advance this goal, such as establishment of a statewide water data institute.

Goal 6:Enhance consistency across the Water Boards, on an ongoing basis, to ensure our processes are effective, efficient, and predictable, and to promote fair and equitable application of laws, regulations, policies, and procedures.

Goal 7:Ensure that the Water Boards have access to information and expertise, including employees with appropriate knowledge and skills, needed to effectively and efficiently carry out the Water Boards’ mission.

The CWSRF program supports the three goals of the [California Water Action Plan](#) (Updated 2016): more reliable water supplies; the restoration of important species and habitat; and a more resilient, sustainably managed water resources system (water supply, water quality, flood protection, and environment) that can better withstand inevitable and unforeseen pressures in the coming decades.

The State Water Board administers several programs authorized by Proposition 1 (Prop 1), the [Water Quality, Supply, and Infrastructure Improvement Act of 2014](#), and may have funding available from other bond measures and funding sources. Projects eligible for four Prop 1 programs administered by the State Water Board, (i) Small Community Wastewater, (ii) Water Recycling, (iii) Stormwater, and (iv) Groundwater Sustainability, are also potentially eligible for CWSRF funds. Projects eligible for other state sources of funds may also be eligible for CWSRF funds. DFA manages all the State Water Board’s funding programs to maximize its ability to fund projects that support the State Water Boards’ water quality goals and by coordinating CWSRF, financing with the State Water Board’s other funding sources.

In establishing the terms of this CWSRF Intended Use Plan, the State Water Board considered statewide policy set forth in section 106.3 of the Water Code. Specifically, Subdivision (a) declares it is the established policy of the State that “every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.” Subdivision (b) requires the State Water Board to consider this state policy when “revising, adopting, or establishing policies, regulations, and grant criteria when those policies, regulations, and criteria are pertinent to the uses of water.”

Finally, the State Water Board also considered the objectives and requirements of the Comprehensive Response to Climate Change Resolution² during development of this IUP. The Climate Change Resolution describes near-term actions and policy changes to support the state’s key climate priorities as identified in the AB 32 Scoping Plan, Safeguarding California Plan, and Water Action Plan.

² No. 2017-0012

C. IUP and Federal Guidance

This IUP contains elements required under federal law. The State Water Board will submit this IUP as part of its application package for the federal fiscal year (FFY) 2018 Capitalization Grant for the CWSRF program.

This IUP also establishes the State Water Board's business plan for California's CWSRF program for State Fiscal Year (SFY) 2018-19. It discusses DFA's approach and ability to successfully carry out that business plan with the available financial and programmatic resources. It also discusses how DFA will operate the CWSRF program in conjunction with other financing programs, such as Prop 1 or sources of funding outside the State Water Board that may be used to jointly finance projects.

This IUP includes a forecast of the CWSRF cash flow and other funds available to the State Water Board (Appendix A, page 39) for the next several years and identifies projects (Appendix B – the Fundable List, Page 40) the State Water Board anticipates financing in SFY 2018-19. This IUP also analyzes the effect these projects would have on the CWSRF's cash flow and other sources of funds if financed and includes performance measures to track the effectiveness of the CWSRF program.

The State Water Board will continue to implement the CWSRF and complementary financing programs consistent with applicable state and federal statutes, regulations, policies, and guidelines. These include, but are not limited to:

- The [Policy for Implementing the Clean Water State Revolving Fund](#) (CWSRF Policy) and funding guidelines related to any complementary source financing;
- The [Operating Agreement](#) between the State Water Board and U.S. EPA;
- [The Clean Water and Drinking Water State Revolving Funds Debt Management Policy](#) (SRF Debt Management Policy) and agreements related to outstanding CWSRF revenue bonds;
- [The State Water Board's Clean Water and Drinking Water Capacity Development Strategy](#);
- [U.S. EPA Interpretive Guidance](#) regarding the WRRDA amendments;
- Any additional federal requirements in the 2018 budget appropriation, the 2018 Capitalization Grant agreement, and/or guidance from U.S. EPA

The State Water Board or the Executive Director may amend this IUP, but only after the public and interested parties are given an opportunity to comment on the proposed amendment. The Executive Director, or designee, may update stakeholders during SFY 2018-19 on DFA's progress implementing this IUP and the current capacity of the CWSRF and its complementary programs to provide financing to applicants.

II. WATER QUALITY FINANCING NEEDS

A. Clean Watersheds Needs Survey

California needs significant funding to achieve its clean water goals. The most recent Clean Watersheds Needs Survey in 2012 shows that California needs an estimated \$26.2 billion for wastewater treatment and collection, wastewater recycling, and stormwater pollution prevention over the next 20 years. This includes an estimated \$24.4 billion to update aging infrastructure.

B. Project List

The State Water Board maintains a [Project List](#) (List)³ that reflects applicants interested in CWSRF financing. The List is typically updated on a quarterly basis. A project must be on the List to receive financing, but the List does not guarantee financing or the order of financing.

Applicants must submit a complete application that meets the CWSRF Policy requirements to receive financing. The List classifies each potential project application relative to the State Water Board's water quality and sustainability priorities, and helps prioritize the CWSRF marketing and application review efforts.

C. State Water Board Guidance

1. Small and/or Disadvantaged Communities (DACs)

On July 1, 2008, the State Water Board adopted [Resolution No. 2008-0048](#) to assist small and/or DACs with their wastewater needs. Resolution No. 2008-0048 referred to a Small Community Wastewater Strategy, which was subsequently updated and expanded in the Spring of 2016 to incorporate public water systems and was renamed the [Clean Water and Drinking Water Capacity Development Strategy](#) (Capacity Development Strategy). The updated strategy provides an overview of the challenges facing these communities. Regarding wastewater, these include both failing septic systems and failing outdated and undersized wastewater treatment plants. Small and/or DACs generally have higher per capita costs. Disadvantaged (median household income [MHI] of less than 80 percent [80%] of the statewide MHI) and severely disadvantaged (MHI of less than 60 percent [60%] of the statewide MHI) small communities typically face the additional burden of lower household incomes. The result is higher, sometimes prohibitive, sewer and water rates. The updated strategy discusses options and offers solutions to the problems faced by these communities.

The Office of Sustainable Water Solutions (Office) was established on March 27, 2015 as a result of the Governor signing [Assembly Bill 92](#). The Office is part of the State Water Board's DFA. The Office was created to promote permanent and sustainable drinking water and wastewater treatment solutions to ensure effective and efficient provision of safe, clean, affordable, and reliable drinking water and wastewater treatment services, focusing on addressing financial and technical assistance needs, particularly for small disadvantaged communities.

³ The CWSRF Project List is prepared to meet the requirements pursuant to section 603(g) of the CWA. A construction project must be on the List to receive financing, but the List does not guarantee financing or the order of financing. Applicants must submit a complete application that meets the CWSRF Policy requirements to receive financing.

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

Staff from the State Water Board and the Central Valley and San Francisco Bay Regional Water Boards coordinate the Water Boards' activities in the San Francisco Bay and Sacramento-San Joaquin River Delta (Bay-Delta). The Bay-Delta Team is charged with developing the Water Boards' short and long-term efforts for addressing impacts to the beneficial uses of water in the Bay-Delta. The State Water Board is in the process of developing and implementing updates to the Bay-Delta Water Quality Control Plan, and the Central Valley and San Francisco Bay Regional Water Boards continue with their efforts to protect beneficial uses in the Bay-Delta watershed. The CWSRF program can help with these efforts by funding point and nonpoint source projects such as:

- Measures identified in Total Maximum Daily Loads;
- Stormwater and dry weather runoff reduction from Municipal Separate Storm Sewer Systems;
- Conservation measures to reduce sediment and non-point discharges;
- Ammonia discharge reduction from publicly-owned treatment works (POTWs);
- Urban and agricultural water use efficiency to reduce demands on the Delta and reduce runoff of pesticides to the Delta;
- Implementation of non-point source projects under the state's Section 319 program;
- Implementation of watershed projects;
- Implementation of measures under the San Francisco Estuary Blueprint; and
- Measures to promote water conservation, efficiency, or reuse that can decrease demands on the Delta.

3. Sustainability and Climate Change

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

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

The State Water Board adopted [Resolution No. 2017-0012](#) on March 7, 2017, outlining a comprehensive response to climate change for all the Water Boards' activities and programs. Resolution No. 2017-0012 directed the State Water Board staff to take many actions that affect the CWSRF program IUP. Specifically:

- Include climate change mitigation and adaptation objectives in the IUP.
- Ensure that applications and environmental reviews for potential projects account for impacts related to climate change, including potential effects of climate change on the viability of funded projects.

On May 16, 2017, the State Water Board adopted an emergency regulation to implement provisions of the Sustainable Groundwater Management Act (SGMA). SGMA created a framework for sustainable, local groundwater management for the first time in California history, and requires the formation of local groundwater sustainability agencies (GSAs) in California's high- or medium-priority groundwater basins or the submittal of an alternative that demonstrates a basin is already sustainable. The CWSRF can potentially fund projects that would assist GSA's with achieving groundwater sustainability.

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III. PROGRAM CAPACITY

A. General Funding Approach

This IUP establishes for SFY 2018-19 a Fundable List (Appendix B, page 40) of projects. The Fundable List was developed from applications in process⁴ as of February 2018, and includes those projects DFA believes will achieve the most favorable water quality results in California during SFY 2018-19 with the financial and programmatic resources available to the CWSRF and complementary financing programs. DFA's goal is to execute financing agreements for all projects on the Fundable List by June 30, 2019.

An SDAC or DAC application not on the Fundable List in this IUP will be added automatically to the List when the applicant starts an application. SDAC and DAC projects may be funded at any time provided they submit a complete application and meet all other eligibility requirements. Non-SDAC and non-DAC projects that are identified on the Fundable List may receive financing during SFYs 2017-18 and 2018-19. Non-SDAC and non-DAC projects not included on the Fundable List are ineligible for financing during SFY 2018-19 unless otherwise directed by the State Water Board, but may be eligible for financing in a future year.

Funding will be consistent with the CWSRF Policy⁵, the [SRF Debt Management Policy](#), the [Operating Agreement](#), applicable federal and state statutes, regulations, and guidance, and any guidelines applicable to the complementary funding sources that may be used to fund a project jointly with CWSRF funds. In addition, funding will be consistent with the requirements of the program's Master Trust Indenture and associated bond documents to ensure compliance with Securities and Exchange Commission, Internal Revenue Service, and Municipal Securities Rule Making Board (MSRB) rules and regulations, and ensure that all CWSRF revenue bonds are secure and repaid in full and on time.

The funds available to the CWSRF program during SFY 2018-19 generally consist of:

- Repayments of CWSRF principal and interest on past loans and investment earnings;
- Capitalization Grants from U.S. EPA, potentially including PF;
- Proceeds from the Series 2018 Green Bonds, which closed in March 2018, and potential future bond sales.

A more detailed financial analysis is described in Section III.B.

The State Water Board's financial priorities for the CWSRF in order of importance during SFY 2018-19 will be:

⁴ "In process" means that some portion of the [CWSRF application](#) was submitted to the State Water Board.

⁵ The effective date for construction costs discussed in Section XI.B.3 of the CWSRF Policy is suspended for applicants on the Fundable List that choose to start construction using other funding sources pending approval of CWSRF and complementary financing. DFA may establish an effective date for eligibility of construction costs for projects on the Fundable List as no earlier than the notice to proceed date for the project. Recipients that start construction before a financing agreement is executed do so at their own risk, and are not guaranteed CWSRF financing. In particular, starting construction before the environmental review is completed can preclude the CWSRF from consulting with relevant federal agencies and, therefore, executing a financing agreement. Changes to laws or requirements that occur prior to execution of a CWSRF financial assistance agreement may affect some or all funding eligibility.

- Liquidating the Series 2018 Green Bond proceeds and any future revenue bond proceeds to meet applicable commitments;
- Liquidating Capitalization Grants once awarded; and
- Liquidating repayments and investment earnings.

The CWSRF funding priorities in SFY 2018-19 will also be influenced by the complementary sources of funds available to the State Water Board. Specifically, these additional funding sources are: (i) Prop 1 funds for SDAC and DAC wastewater, water recycling, stormwater, and groundwater projects; and (ii) PF funds; and (iii) Small Community Grant (SCG) funds provided through fees in lieu of interest.

DFA may also sell revenue bonds to the extent authorized and approved by the State Water Board⁶, regulate project commitment or cash disbursement levels, suspend project approvals, or do some combination of these actions to ensure prior commitments are fulfilled.

The State Water Board directs DFA to manage the CWSRF so that sufficient funds are available under all circumstances to meet the repayable financing needs of SDAC's and DACs for wastewater projects.

Without restricting the approach described in this IUP, the Executive Director (or designee), should update the State Water Board members and the public at State Water Board meetings or by other appropriate communications regarding the finances of the CWSRF and complementary financing programs. They should also recommend appropriate adjustments to this IUP or other changes in policy or procedure necessary to achieve the maximum water quality results in California.

Key provisions applicable to financing projects in SFY 2018-19 may include, but are not limited to:

1. Best Use of Available Financing Sources and Terms

The State Water Board will consider the requirements associated with all available sources of funds, and match up available funds with projects to achieve the maximum water quality benefit. This includes the use of reduced interest rates, match financing, partial financing, PF, the SCG Fund, other state sources of funds appropriated to the State Water Board, and other state and federal funding sources managed by other agencies, to the extent they are available and compatible with the CWSRF, to maximize the financing of water quality projects.

2. Green Project Reserve (GPR)⁷

Based on the information currently available to DFA, the FFY 2018 appropriation is expected to require that a minimum of 10 percent (10%) of the 2018 Capitalization Grant (or an estimated GPR of approximately \$12 million) be provided to projects that meet the GPR criteria. To ensure that California meets or exceeds the minimum GPR requirement for SFY 2018-19, the State Water Board will prioritize the review and approval of GPR projects until

⁶ On October 3, 2017, the State Water Board approved Resolution No. 2017-0057 increasing the leveraging ceiling for the CWSRF program from \$1.2 billion to \$2.2 billion bonds (par value). Currently, approximately \$1.31 billion of the total (par value) has been issued.

⁷ GPR projects may also be eligible to receive PF as noted in Section III.C.2 and Appendix F (Page 66).

the minimum is met. GPR projects must meet [U.S. EPA's FFY 2012 Guidance](#) or any subsequent guidance issued by U.S. EPA.

As shown in Appendix C (page 50) the CWSRF has significantly more GPR demand than the minimum GPR requirement anticipated in SFY 2018-19; therefore, the State Water Board does not plan to solicit additional GPR projects during SFY 2018-19.

3. Match Financing Option

California is required to contribute at least one dollar of matching funds for every five federal dollars contributed to the CWSRF program. California's CWSRF program has matched its federal capitalization grants in excess of the matching requirement for approximately two years' worth of capitalization grants from U.S. EPA at the currently expected levels. Section IV.H provides a more detailed discussion of California's matching contribution to the CWSRF. Offering match financing in accordance with Section V of the CWSRF Policy to CWSRF applicants, where the applicant provides the funds to match the federal grants, is one way California meets the match requirement. Other methods of providing match include state appropriations and match bonds. Currently there are no foreseeable state appropriations of matching funds and providing match loans is financially preferable to issuing match bonds. Given the lead time necessary to identify applicants willing and able to take the match financing option, execute the agreements, and disburse funds that can be counted as match, the State Water Board resumed offering the match financing option to CWSRF recipients whose agreements are executed after July 1, 2017, and will continue to offer the match option until further notice.

4. Reduced Interest Rates

a. SDAC and DAC Reduction

If the total amount of CWSRF financing to be repaid by an SDAC or DAC qualifying for SCG funds (see Appendices D and E, pages 64 and 65) is less than \$10 million, and the community is unable to afford all or a portion of the interest payments, DFA may approve a reduced interest rate (not less than zero percent).

b. Non-Point and Estuary Reduction

If the total amount of CWSRF financing to be repaid by a non-point source, stormwater, or estuary management applicant is less than \$10 million and the project has at least one sustainability point (see Section IV.A.3 of the CWSRF Policy), DFA may approve a reduced interest rate (not less than zero percent) if the applicant is unable to afford all or a portion of the interest payments.

5. Partial CWSRF Financing

The State Water Board prefers to provide 100% of the financing requested by applicants to ensure that projects have the complete financing needed for successful completion. DFA may provide partial CWSRF financing, though, to a willing applicant when:

- the applicant has demonstrated that it has the remaining financing, or

- there is reasonable assurance that the applicant has the financial capacity to obtain the remaining financing.

B. Recent Financing Activity⁸

From July 1, 2017 to March 1, 2018, the State Water Board has provided the following financing from the CWSRF and complementary financing programs.

Table 1: SFY 2017-18 CWSRF Financing

	CWSRF	SCG	WRFP	SWGPs	GWQF	Totals
Number of Agreements⁹	26	16	15	14	2	73
\$ of Agreements, millions	537.1	37.2	146	20.6	46.3	787.2

DFA estimates that cumulative, SFY 2017-18 financing by the CWSRF and complementary financing programs could be as much as \$1,100 million.

For SFY 2015-16, total CWSRF and complementary financing equaled \$1,074 million to 69 projects, and for SFY 2016-17, total CWSRF and complementary financing equaled \$1,693 million to 110 projects.

C. Financial Outlook

1. CWSRF Cash Flow¹⁰ and Funding Target

Appendix A (page 39) shows the forecasted cash flow (sources and uses) of the CWSRF program as of February 2018. Except for Capitalization Grants, the future cash flow of the CWSRF program can be predicted with reasonable certainty. The estimated cash flow includes:

- The cash balance at the beginning of SFY 2017-18;
- U.S. EPA Capitalization Grants¹¹;
- Principal and interest payments on outstanding receivables;
- Investment earnings;
- Matching funds;
- Disbursements to projects with executed financing agreements;
- Debt service payments;
- Estimated proceeds of the 2018 Green Bonds sale and probable bond sales in 2019 and 2020, and

⁸ Historical CWSRF financing activity can be seen at http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/docs/cwsrf/fncng_actvty.pdf. Prop 1 funding activity can be found at http://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1.shtml.

⁹ Ten projects received funding from more than one source. Therefore, the number of unique financing agreements was 63.

¹⁰ The overall cash flow includes the available PF funds.

¹¹ Based on the recent adoption of the federal budget for FFY 2018 the estimate used for the 2018 Capitalization Grant is \$117 million, and is subject to change. Future Capitalization Grants are conservatively estimated at \$70 million per year.

- Program administrative costs

With the future forecasted revenue bond sales authorized by the State Water Board, the CWSRF estimated cumulative uncommitted cash through June 30, 2022 available for financing new projects is approximately \$718 million.

The CWSRF's Municipal Advisor, in cooperation with DFA staff, updated the CWSRF's lending capacity analysis as part of developing this IUP. Given current capitalization and debt levels, and assuming conservative future capitalization, loan terms and earnings levels, and bond and coverage terms, the CWSRF can operate at an estimated sustainable financing level of approximately \$1.0 billion per year. The capacity is the amount of new lending that could be done per year with the existing loan pool and new loans pledged to potential bonds. The annual capacity is a level amount that could be originated each year for the next 20-years. The Funding Target, therefore, for SFY 2018-19 will be \$1.0 billion in new financing.

2. CWSRF Principal Forgiveness¹²

Per the CWA, states have the option to select a PF level that ranges from zero percent to a maximum percentage as specified in each Capitalization Grant. The maximum percentage is established by the total national appropriation for the CWSRF program each year¹³. Additionally, the FFY 2018 federal appropriation may require, as was done in the FFY 2016 and 2017 appropriations that a mandatory percentage of the Capitalization Grant be provided as PF. This mandatory amount would be in addition to the optional allocation established by the CWA.

The State Water Board will provide the maximum amount allowed from the FFY 2018 Capitalization Grant as PF. Based on the information DFA currently has regarding the FFY 2018 appropriation, the maximum amount of PF allowed from the FFY 2018 Capitalization Grant is estimated to be approximately \$38 million. As of April 4, 2018, approximately \$39 million in PF is uncommitted.¹⁴ Therefore, with the addition of an estimated \$38 million in PF from the FFY 2018 Capitalization Grant, the State Water Board would have a maximum of approximately \$78 million in PF to commit during SFY 2018-19.¹⁵

PF will continue to be available in SFY 2018-19 for addressing water and energy efficiency, mitigation of stormwater runoff, and sustainable planning, design, and construction. Eligible applicants and project types must meet the GPR criteria and the conditions and limitations for PF in the CWA and in Appendix F (page 66).

As discussed below in Section III.C.3, the State Water Board anticipates committing all Prop 1 SCG funds to SDAC and DAC projects during SFY 2018-19. The Deputy Director of DFA is authorized to make PF available to SDAC and DAC projects consistent with the conditions

¹² Under federal law, principal forgiveness may be provided to "a municipality or intermunicipal, interstate, or State agency" if the recipient meets the State's affordability criteria, or if the project will address water or energy efficiency, mitigate stormwater runoff, or encourage sustainable project planning, design, and construction.

¹³ Per the CWA, if the national appropriation is equal to \$1.0 billion or less, no optional PF is allowed. If the national appropriation is \$1.3 billion or more, the maximum optional PF is 30%. If the national appropriation is between \$1.0 and \$1.3 billion, the maximum optional PF is equal to the percentage the national appropriation exceeds \$1.0 billion; for example, if the national appropriation is \$1.16 billion, the maximum optional PF is 16%.

¹⁴ This includes PF available through the 2017 grant.

¹⁵ The PF available during SFY 2018-19 may include PF from previously approved projects that finish under budget.

and limitations in Appendices D, E, and G (pages 64, 65, and 67) after committing all available Prop 1 SCG wastewater funds.

3. Proposition 1

a. Small Community Grant Fund

Section 13477.6 of the Water Code authorizes the SCG Fund. The SCG Fund allows the State Water Board to help finance communities with the most need in California, helping those that cannot otherwise afford a loan or similar financing to move forward with water quality improvements. The SCG Fund receives revenue generated by a fee on CWSRF financing agreements deposited into the SCG Fund separate from the CWSRF.¹⁶ Other funds may also be appropriated to the SCG Fund, including general obligation bond funds available because of Prop 1 and any available residual general obligation bond funds (including those specifically identified in State Water Board Resolution No. 2013-004) that become available.

All money deposited into the SCG Fund is provided in the form of grants to SDACs and DACs for CWSRF-eligible wastewater projects. State law requires the State Water Board to give grant priority to projects that serve SDACs, defined as communities with an MHI of less than 60 percent (60%) of the statewide MHI.

The procedures for providing grants from the SCG Fund to SDACs and DACs are largely the same procedures used for standard CWSRF financing, specified in the CWSRF Policy, with the exception that projects that receive only Prop 1 funds may be exempted by the Deputy Director from having to comply with certain federal cross-cutting requirements.

This IUP specifies the grant amounts available for SCG projects, and how the Prop 1, SCG, and CWSRF requirements will be coordinated for projects receiving these funding sources.

Chapter 5 of Prop 1 allocated \$260 million to the SCG Fund for wastewater projects.¹⁷ Of the \$260 million allocated, the California Legislature has appropriated \$222.2 million¹⁸ to the State Water Board for grants to eligible SCG wastewater projects. As of February 2, 2018, the State Water Board has not yet committed approximately \$91 million in SCG funds for wastewater projects.¹⁹ Additional funds may be appropriated to the SCG Fund in future years. At least 10 percent (10%) of the SCG funds available from Prop 1 will be provided to SDACs. The projected revenue and SCG Fund balances through the end of the year are shown in Appendix H (page 67).

¹⁶ Like the administrative service charge (see Section H (3) below), the SCG charge is also a fee “other than program income not included as principal in CWSRF financing” for federal purposes. The SCG charge is collected, as is the administrative service charge, in lieu of an equal amount of interest that would otherwise be due on the outstanding balance of the financing agreement so that the annual payment stays the same.

¹⁷ Wat. Code, § 79723.

¹⁸ \$19.6 million is available for appropriation in a future year. The balance of the Prop 1 funds is for administration and bond sale expenses.

¹⁹ This includes the remaining amount appropriated from Prop 1 plus an additional \$8 million in SCG fee funds appropriated for SFY 2018-19.

All SCG funds authorized for SFY 2018-19, SCG funds that become available from prior SFYs (e.g., any funds de-obligated from previously approved projects that finish under budget), and any SCG funds appropriated in future years, will be used consistent with Appendices D, E, and G (pages 64, 65, and 67) of this IUP until otherwise directed by the State Water Board.

In anticipation of the declining balance of SCG fee funds and Prop 1 SCG funds in the SCG Fund over the next few years, the State Water Board will begin applying an SCG fee-in-lieu of interest charge to eligible CWSRF repayable financings at a rate that does not exceed the standard CWSRF interest rate. The SCG fee will be applied to generate sufficient revenue to meet the anticipated demand once Prop 1 SCG funds are fully encumbered. The SCG fee will be collected in an amount that does not jeopardize the long-term growth of the CWSRF, the State Water Board's ability to leverage the CWSRF, or the State Water Board's ability to collect sufficient fee revenue to administer the CWSRF.

In addition to capital projects, DFA is authorized to direct up to 15 percent (15%) of the funds available from Prop 1 to a multi-disciplinary technical assistance (TA) program. The State Water Board adopted the Prop 1 TA Funding Plan on November 4, 2015. The Plan outlines the general process to administer Prop 1 TA funds. The TA efforts are focused on helping small DACs develop, fund, and implement capital improvement projects. This is a multidisciplinary approach, intended to address small DACs drinking water, wastewater, groundwater quality, and stormwater needs under one program.

b. Water Recycling Funding Program (WRFP)

Chapter 9 of Prop 1 allocated \$625 million to the WRFP.²⁰ These funds were appropriated 50 percent (50%) for grants (\$312.5 million) and 41 percent (41%) for loans²¹ (\$256.25 million) for water recycling projects consistent with Chapter 9 and the WRFP Guidelines. The State Water Board has authority during SFY 2018-19 to commit and spend all Prop 1 WRFP loan and grant funds.

As of February 2, 2018, the State Water Board has not yet committed approximately \$14.5 million in Prop 1 grant funds and approximately \$198.8 million in Prop 1 loan funds for WRFP projects. The Board also has authority to commit approximately \$6.6 million in Prop 13 grant funds.

The WRFP guidelines specify the loan and grant amounts available for water recycling projects and how the WRFP requirements will be coordinated with CWSRF requirements for projects receiving funding from both sources. Any water recycling project eligible for SCG grant funding or PF may receive grant or PF funding, but may not combine WRFP grant with either SCG grant or PF.

²⁰ Note that this figure includes a maximum of 2.0 percent funding for water recycling research and pilot projects as well as administration and bond sale costs.

²¹ WRFP loan payments may be used for future grants if appropriated by the Legislature.

c. Stormwater Grant Program (SWGP)

Chapter 7 of Prop 1 allocated \$200 million for grants for multi-benefit stormwater management projects.²² Projects may include, but are not limited to, green infrastructure, rainwater and stormwater capture, and stormwater treatment facilities.

In 2016, approximately \$9.6 million in funding for planning projects and \$80 million in funding for implementation projects was awarded to eligible applicants through competitive solicitations. It is anticipated that a solicitation for the remaining \$96.4 million available for storm water implementation grants will be conducted in early 2019.

The SWGP guidelines specify the grant amounts available for stormwater projects. Stormwater projects may also be eligible for CWSRF financing, and DFA will coordinate with applicants to address the applicable requirements of both programs if applicants request funding from both sources. Applicants are advised to review the Prop 1 SWGP Guidelines, particularly the requirement for projects to be included in Storm Water Resource Plans, the Integrated Regional Water Management Plans, and the State Water Board's January 2016 Strategy to Optimize Resource Management of Storm Water, for information on applying for the Prop 1 SWGP.

d. Groundwater Grant Program (GWGP)

Chapter 10 of Prop 1 provides \$800 million to the SWRCB for grants for projects to prevent or clean up the contamination of groundwater that serves or has served as a source of drinking water.²³ The GWGP guidelines were updated in December 2017. Round 1 awards were completed in early 2018, for a total of approximately \$125 million awarded to approximately 25 projects. Concept Proposals for the Round 2 solicitation are due in early 2018, with additional solicitations anticipated in 2019 and/or 2020. Applicants are advised to review the Prop 1 GWGP Guidelines.

Septic-to-sewer projects that prevent or reduce contamination of municipal or domestic wells are potentially eligible for GWGP grants in addition to grants or principal forgiveness awarded through the CWSRF/SCG. Regardless of the criteria listed in Appendix E (page 65), GWGP funds may be available for projects benefitting larger SDACs, and larger DACs with wastewater rates at least 1.5% of MHI. DFA staff will coordinate with applicants to determine if septic-to-sewer projects meet the applicable requirements for GWGP funds.

D. Application Demand

As of February 2018, the State Water Board has in process 207 complete and partially complete applications requesting approximately \$7,565.3 million in financing. All applications in process as of February 2018 are listed on the Comprehensive List in Appendix C (page 50). The applications on the Comprehensive List and their statuses are summarized in Table 2 below based on the State Water Board's due diligence reviews.

²² Note that this figure includes administration and bond sale costs.

²³ Note that this figure includes administration and bond sale costs.

The applications on the Comprehensive List represent a wide variety of project types from communities of various sizes throughout California. The largest number of applications comes from small communities – many of them eligible for grant funds due to their status as disadvantaged communities. There are also nine applicants representing large urban areas collectively requesting approximately \$4.8 billion in financing.

Table 2: Status of Applications on Comprehensive List (\$ in Millions)

Group	Application Status	Application Complete	Applications	Requested ²⁴ Amount
1	Financing Agreement Mailed to Applicant for Its Signature ²⁵	Y	6	\$79.8
2	Agreement Routing for DFA Management Approval and Subsequent Mailing to Applicant	Y	8	\$45.7
3	Staff Has Completed Review of 4 Application Packages and Legal Consultation Is In Process	Y	3	\$11.7
4	Staff Has Completed Review of 4 Application Packages but Legal Consultation <u>Has Not</u> Started	Y	1	\$5.0
5	Staff <u>Has Not</u> Completed Review of 4 Application Packages but Legal Consultation Is Completed	Y	2	\$9.6
6	Staff <u>Has Not</u> Completed Review of 4 Application Packages and Legal Consultation Is In Process	Y	6	\$322.0
7	Staff <u>Has Not</u> Completed Review of 4 Application Packages and Legal Consultation <u>Has Not</u> Started	Y	69	\$3,261.4
8	Application is Incomplete	N	112	\$3,835.0
Totals			207	\$7,563.5

E. Analysis of Financial Impacts and Development of a Fundable List

1. Progressive Scenario Analysis

DFA developed four financing scenarios for the projects on the Comprehensive List for SFY 2018-19. The total financing requested for the complementary funding sources for each scenario is summarized in Table 3 below. The remaining financing in each scenario would be provided with CWSRF loan funds, and Table 3 also shows the potential increase in the leveraging ceiling that may be needed for each scenario.

²⁴ Amount requested includes total project cost irrespective of funding source.

²⁵ After the signed financing agreement and the associated legal opinion(s) are returned by the applicant, the agreement will be executed.

Table 3: Financing Scenarios²⁶ (\$ in Millions)

	Scenario	Total Est'd Financing Requested	Estimated Financing by Complementary Sources				Est'd New Bonds ²⁷
			Prop 1 SCG Grant	Prop 1 WR Grant	Prop 1 WR Loan	PF	
A	Finance All SDAC and DAC Projects	\$270.8	\$91.0	\$0.0	\$0.0	\$0.0	\$0.0
B	Finance Scenario A Plus All Other Projects in Groups 1 – 6	\$718.9	\$91.0	\$14.5	\$79.0	\$20.0	\$0.0
C	Finance Scenario B Plus Additional Projects in Group 7 Consistent with Funding Target	\$1,947.8	\$91.0	\$14.5	\$198.8	\$78.0	\$400-800.0
D	Finance All Projects on the Comprehensive List	\$7,565.3	\$91.0	\$14.5	\$198.8	\$78.0	>\$4,000.0

The scenarios are evaluated below by progressively adding the additional projects described in each scenario to the previous scenario until a maximum financing amount is reached that is consistent with the CWSRF Funding Target and with the availability of complementary financing sources.

a. Financing Scenario A

The SDAC and DAC projects in Appendix C (page 50) are requesting \$192.8 million in grant of PF funds and \$78.0 million in loan/repayable funds.

As discussed in Section III.C.3.a above, there are approximately \$91 million in SCG grant funds available to reduce the financing costs for SDACs and DACs. The available SCG grant funds are insufficient to fulfill all the SCG grant requests in Appendix C (page 50), although PF funds are likely to be available to fulfill some of the requests from SDACs and DACs during SFY 2018-19. Additional SCG grant funds may also be appropriated in future years. There are sufficient CWSRF loan funds for all SDAC and DAC projects, considering the availability of grant funds, and no increase in the leveraging ceiling would be needed to finance all SDAC and DAC projects.

There are 65 applications potentially Fundable under Scenario A.

b. Financing Scenario B

Most of the non-SDAC and non-DAC applications in Groups 1 through 6 appear to be eligible for Prop 1 WRF funds or PF – the funding priorities established by the State Water Board in the SFY 2017-18 IUP. In addition, all aspects of the application for projects in Groups 1 through 6 were under full review by State Water Board staff as of February 2018, and many of these applications have been fully reviewed and are ready for an executed agreement.

²⁶ The estimated new bonds are based on the current disbursement forecasts for the projects on the Comprehensive List.

²⁷ Estimated new bonds would be over and above the \$2.2 billion leveraging ceiling approved by the State Water Board in October 2017 (Resolution No. 2017-0057).

Table 4 below shows that there are sufficient Prop 1 WRF loan funds and PF to fulfill the requests for all projects in Groups 1 through 6 eligible for Prop 1 WRF loan and PF funds. Table 4 also shows that there are insufficient Prop 1 WRF grant funds for all projects eligible for those funds.

Table 4: Effect of Projects in Groups 1-6 on Prop 1 Water Recycling and PF Balances

	Prop 1 WR Grant ²⁸	Prop 1 WR Loan	PF ²⁹
Estimated Available Funds by Source	\$14.5	\$198.8	\$78.0
All Projects in Groups 1 – 6 Eligible for Prop 1 Water Recycling and PF	\$14.5	\$79.0	\$22.0
Estimated Remaining Funds by Source	\$0.0	\$119.8	\$56.0

No increase in the leveraging ceiling will be needed to finance Scenario B based on DFA's current forecast.

There are 80 applications potentially fundable under Scenario B.

c. Financing Scenario C

Additional applications in Group 7 from the Comprehensive List can be financed in SFY 2018-19.

DFA's ability to finance projects in Group 7 is based largely on the projects' forecasted disbursements and the Funding Target established in Section III.C.1 above. DFA evaluated applications from Group 7 based on the following criteria:

- whether the project appears to be eligible for Prop. 1 WRF or PF funds;
- whether a compliance order has been issued by the State Water Board or a Regional Water Board;
- whether the Regional Water Board considers the project high priority;
- whether other, non-State Water Board sources of funds have been secured to cover part of the project's cost;
- whether the applicant appears willing and able to accept partial funding;
- whether the applicant appears willing to accept the match financing option.

After prioritizing the applications in Group 7 based on the factors above, DFA further prioritized the applications based on the two readiness factors below:

- whether the project appears ready to proceed to construction; and

²⁸ The potential eligibility for Prop 1 WRF grant funds of the projects in Groups 1 – 6 far exceeds the available grant funds. Three projects on the Fundable List have been identified for the remaining Prop 1 WRF grant funds based on their progress through the application process. The 2018-19 IUP indicates that water recycling projects are eligible for 50% PF up to a maximum of \$2.5 million. Therefore, the remaining water recycling projects on the Fundable List have been listed as eligible for PF.

²⁹ The PF balance could be lower than estimated because PF also may be used to fund SDAC or DAC projects if all Prop 1 SCG funds are committed.

- the degree to which the application review is complete, whether the environmental package review has been completed.

Based on DFA's analysis of applications in Group 7, it identified 35 complete applications totaling approximately \$2,525 million.³⁰ These appear to provide the most water quality benefit achievable in SFY 2018-19, but the total is not consistent with the Funding Target. Thirty of the 35 complete applications, assuming 100% financing is provided, total approximately \$900 million. Five of the applications from Group 7 included in Scenario C are related to three applicants requesting financing for large projects or interrelated programs³¹. Each of the three projects or interrelated programs exceeds \$200 million, and collectively these three applicants are requesting approximately \$1,625 million in financing for these three projects or interrelated programs. Although the five applications appear technically eligible for 100% financing, DFA has recommended that three of the five applications be listed as fundable for 20 percent (20%) of the requested CWSRF financing. Although this would make the total financing under Scenario C greater than the Funding Target, DFA recommends that they be fundable at this time because the construction and associated cash flows of each of the projects or interrelated programs is expected to take significantly longer than other projects in Scenario C³².

There are 115 applications potentially fundable under Scenario C. DFA estimates that an increase of \$400 million to \$800 million in additional leveraging authority may be needed to finance Scenario C.

d. Financing Scenario D

Fully financing all applications on the Comprehensive List would require more than \$4,000 million in additional leveraging authority and additional staff resources to execute the agreements before June 30, 2019. There are 207 applications potentially fundable under Scenario D.

2. The Fundable List

Appendix B (page 40) is the Fundable List for SFY 2018-19. It includes the associated, estimated costs requested by the applicants by anticipated funding source³³ for applications under Scenario C. The applications on the Fundable List are organized into the same Groups used to categorize projects in Section III.D above. Projects within each Group are sorted by Region and then alphabetically by Applicant. The Fundable List includes a combination of planning, design, and construction projects. Table 4 below summarizes the projects on the Fundable List by project type.

³⁰ The estimated CWSRF financing may include PF. Each of the three applicants appears capable of obtaining the remaining financing necessary to successfully complete the projects.

³¹ San Francisco PUC-8372-110; Silicon Valley Clean Water-8264, 210, 710; LACDS-8154-110

³² The Deputy Director of DFA is authorized to coordinate or limit the cash draws for the three projects or interrelated programs identified for partial funding to limit the collective impact of these financing agreements on the CWSRF.

³³ CWSRF funds may include available principal forgiveness.

Table 5: SFY 2018-19 CWSRF Fundable List Summary (\$ in Millions)³⁴

Project Type	Number of Projects	Estimated Total Funding	Estimated PF or Grant
SDAC and DAC Projects	65	\$270.8	\$192.8
Water Recycling Projects	25	\$552.6	\$63.6
PF-Eligible GPR Projects	40	\$1,016.2	\$100.5
Other Projects	6	\$279.4	\$0.0

All projects on the Fundable List are fundable at any time during SFYs 2017-18 and 2018-19 provided they meet all eligibility requirements. Projects may receive a financing agreement as soon as it is determined the application meets all eligibility requirements. DFA will review the applications on the Fundable List with the objective of executing agreements quickly and efficiently, giving priority to SDACs and DACs, so that all application on the Fundable List have executed agreements by June 30, 2019. Projects on the SFY 2018-19 Fundable List that are not financed by June 30, 2019, will be carried over to the SFY 2019-20 Fundable List unless directed otherwise by the State Water Board or an applicant withdraws its application.

Note: Being identified on the Fundable List, the order the project appears on the Fundable List, or being listed with an estimated agreement date and anticipated funding sources do not constitute a financing agreement, a guarantee of financing, a guarantee of the order of financing, or a guarantee that sufficient funds from the anticipated sources of funds will be available for the project; or a determination of eligibility.

The Fundable List only includes applications that are fundable during SFYs 2017-18 and 2018-19, and a financing agreement will be executed only if the application meets all applicable eligibility requirements.

Appendix B (page 40) is not a limitation on financing SDAC and DAC projects. All SDAC and DAC projects may receive financing during SFYs 2017-18 and 2018-19 provided they submit a complete application and meet all applicable eligibility requirements, and provided that sufficient funds are available.

The State Water Board expects DFA to expeditiously finance the projects on the Fundable List. The Deputy Director of DFA is authorized to remove non-SDAC or non-DAC projects from the Fundable List if the applicant is non-responsive to DFA's request for information or consultation after notifying the applicant and giving the applicant a reasonable opportunity to respond. Applicants removed from the Fundable List by the Deputy Director may be placed on the SFY 2019-20 Fundable List, if the Policy requirements for placement have been satisfied.

³⁴ The sum of applications and amounts requested in Table 5 may differ from the totals in Appendix B (page 40) because applications may be counted as multiple applications types.

F. Financing Forecast

Consistent with Section III.A above, all SDAC and DAC projects that have started an application have been included on the SFY 2018-19 Fundable List and will be fundable during SFYs 2017-18 and 2018-19 provided they submit a complete application and meet all other eligibility requirements. All new SDAC or DAC applicants that start an application during SFY 2018-19 will be added automatically to the Fundable List and be fundable during SFYs 2017-18 and 2018-19 provided they submit a complete application and meet all other eligibility requirements.

Projects in Groups 1 through 6 have also been placed on the Fundable List, and will be fundable during SFYs 2017-18 and 2018-19 provided they meet all eligibility requirements. All projects in Groups 1 through 6 were included since they have complete applications and all of them are fully under review, and in many cases the reviews have been completed.

The SDAC and DAC projects along with the projects in Groups 1 through 6 represent a combination of CWSRF loan / repayable financing, PF, SCG grant, and WRFP grant and loan totaling approximately \$720 million, with approximately \$490 million of this being CWSRF loan / repayable financing. Projects in Groups 1 through 6 are expected to be financed well before June 30, 2019, given their progress through the application review process, and many of them are expected to receive an executed agreement before June 30, 2018, as indicated by the estimated agreement dates. CWSRF loan financing for SFY 2017-18 through March 1, 2018, was approximately \$535 million. Therefore, an additional \$490 million in CWSRF financing for Scenario B would be consistent with a sustainable financing level of \$1.0 billion for SFY 2017-18.

An additional 35 non-SDAC and DAC project applications from Group 7 were also placed on the Fundable List, and will be fundable during SFYs 2017-18 and 2018-19 provided they meet all eligibility requirements. Although the total commitment for these projects (approximately \$1,230 million), assuming all the agreements are executed by June 30, 2019, is somewhat higher than the sustainable financing level, approximately \$400 million is related to three projects whose construction is expected to last longer than the construction timeframe typical of most CWSRF projects. Making commitments to these projects now partially represents a commitment against future capacity of the CWSRF. Financing the additional projects described by Scenario C, therefore, would be consistent with the Funding Target established in Section III.C.1 and the *SRF Debt Management Policy*.

Financing additional projects beyond Scenario C now is not feasible because it would require leveraging the CWSRF program beyond its sustainable financing capacity and significantly increasing staff resources.

The projects on the Fundable List in Groups 7 and 8 are expected to receive financing agreements some time during SFY 2018-19, although some SDAC and DAC projects will likely receive an agreement during the remainder of SFY 2017-18.

DFA also anticipates that all PF funds, all appropriated SCG funds, and all WRFP grant and loan funds will be committed to eligible projects during SFY 2018-19 based on the projects identified on the Fundable List.

DFA estimates that approximately \$400 to \$800 million in additional leveraging authority may be needed from the State Water Board to finance all the projects on the Fundable List. The exact

amount and timing of any additional leveraging, over and above the current limit of \$2.2 billion, would continue to depend on the total costs of the projects financed and the timing of the approvals. In addition, the costs identified in Appendix B (page 40) are estimated project costs that may be adjusted lower or higher, as projects are bid out by the financing recipients.

The actual level of new financing discussed in this IUP may be higher or lower than the amount predicted by the Fundable List. Based on DFA's experience, not all projects on the Fundable List will be financed by the end of SFY 2018-19. Some projects may be financed in a future year or not at all for various reasons. Projects on the Fundable List that are not financed by June 30, 2019, will be carried over to the SFY 2019-20 Fundable List unless directed otherwise by the State Water Board or an applicant withdraws its application.

DFA plans to provide an update to applicants and stakeholders once during SFY 2018-19 on its progress implementing this IUP, its financial outlook, and its financing forecast so that applicants can continue to evaluate the possibility of receiving CWSRF financing in the future.

G. Future Financing Trends

Demand for CWSRF financing is high as indicated by the Comprehensive List. DFA expects the demand to remain high given the CWSRF's attractive terms and the large water related infrastructure needs in California as noted in Section II.B. Total CWSRF financing over the last four fiscal years, 2014-15 through 2017-18, is greater than \$3.8 billion or on average \$950 million per year. This is significantly higher than the financing pace over the proceeding nine years – approximately \$4.2 billion or an average of approximately \$460 million per year – but consistent with a sustainable financing level for the CWSRF.

A significant percentage of this financing has been done with municipal, tax-exempt debt. Current program debt is approximately \$1.3 billion, and is expected to increase over the next two years to \$2.2 billion. Additional debt beyond \$2.2 billion will likely be needed for projects on the SFY 2018-19 Fundable List depending on DFA's success executing applications on the Fundable List by June 30, 2019. Future capacity analyses of the CWSRF program considering actual lending year-to-year and future capitalization and earning levels of the CWSRF program may affect future lending levels. Potential increases in leveraging authority in the future will be consistent with the *SRF Debt Management Policy*.

DFA is unaware of any significant impending increases in capitalization grant levels from U.S. EPA. Proposition 68 (Prop 68) will be submitted to the voters at the June 5, 2018, statewide election. If voters approve Prop 68, additional funds may be appropriated to the State Water Board in future years that can complement CWSRF funds.

Consistent with this IUP, the CWSRF Policy, and available staff resources, DFA will continue to accept and review documents related to applications that are not on the Fundable List, as well as continue to accept and review new applications, time permitting, to develop applications that can be funded in future years. Based on this year's analysis, it appears that the SFY 2019-20 Fundable List will again be limited by the Funding Target and having a complete application will influence the selection of fundable applications. DFA recommends that applicants submit application materials before December 31, 2018 for consideration and analysis for the SFY 2019-20 Fundable List.

In this IUP, the State Water Board attempted to implement a more effective method of prioritizing applications. Further effort will be needed to develop a more permanent prioritization system because demand is expected to stay high, and even if the Program runs at full lending capacity, it cannot fund all potential demand. DFA is also mindful of the effort associated with submitting a complete application. DFA has included in this IUP, therefore, a short-term goal to develop during SFY 2018-19 a permanent and easier prioritization system and to request that the State Water Board amend the CWSRF Policy to formalize a more dynamic prioritization system. The State Water Board's recently adopted *SRF Debt Management Policy* helped establish a sustainable financing level in this IUP to maintain the long-term financial health of the CWSRF program. However, an effective priority scoring process is a necessary counterpart to give applicants more certainty about the likelihood and timeframe for receiving CWSRF funding. It also gives the CWSRF program more certainty about which applications best fulfill the State Water Board's water quality priorities, and evaluate the financial impacts associated with those choices. Potential CWSRF applicants are encouraged to continue to follow future developments in the CWSRF program regarding application prioritization.

H. CWSRF Resources and Workload

1. Organization, Program Resources, and Skills

Approximately 46.6 Personnel Years (PY) are budgeted for the CWSRF Program³⁵ in SFY 2018-19 and the number of positions is not expected to change substantially. These positions are distributed between DFA and the Office of Chief Counsel (OCC) as follows:

- 4.7 PYs for Environmental Scientists to ensure compliance with state and federal environmental and cultural resources requirements (DFA);
- 15.3 PYs for Water Resources Control Engineers and Sanitary Engineers to manage project applications (DFA), with one unit of approximately five staff dedicated to processing applications from SDACs and DACs³⁶
- 11.3 PYs for administrative support (DFA);
- 10.4 PYs for Program management and staff oversight (DFA);
- 3.0 PYs for legal support (OCC); and
- 1.9 PYs for other environmental and engineering support of project eligibility reviews

Additional indirect cost support is provided by accounting, personnel, budget, and contract support staff in the Division of Administrative Services.

The CWSRF program relies on some contracted services that (i) cannot be provided economically by Water Boards staff, (ii) require skills not available in the State Water Boards, or (iii) require independence from the CWSRF program. Approximately \$700,000 is

³⁵ In addition to positions funded directly by the CWSRF, the State Water Board has other state-funded positions associated with complementary programs closely aligned with the CWSRF as noted earlier. Many projects, such as SDAC and DAC wastewater, water recycling, and storm water projects may be financed by a combination of CWSRF and state sources of funds. Staff is trained to help applicants receive financing for their projects regardless of the funding sources; therefore, state-funded positions indirectly provide benefit to the CWSRF program and vice versa.

³⁶ These CWSRF staff members are part of the Office of Sustainable Water Solutions within DFA, which includes one supervising engineer, three senior engineers, one senior environmental scientist, and 16 technical staff (engineers, geologists, etc.) dedicated to addressing both drinking water and wastewater funding and technical assistance needs of small DACs.

budgeted for the following contract services:

- Independent accounting firm for annual audits;
- Outside legal counsel for specialized tax and bond advice;
- Outside contractor to conduct credit analyses;
- Vendor to provide maintenance for the Loans and Grants Tracking System (LGTS); and
- Independent Municipal Advisor

In addition, up to \$300,000 of “in-kind” funding from the FFY 2018 Capitalization Grant is budgeted for U.S. EPA to fully implement the web enabling of various accounting functions in LGTS. It is contracted through Northbridge Environmental Management Consultants

2. Loan Servicing and Program Administration

Servicing existing agreements and fulfilling ongoing program requirements represents a significant workload for the CWSRF staff. There are approximately 427 CWSRF agreements in repayment. Payments on these agreements are collected throughout the year, and DFA conducts regular surveillance on many of these recipients. At present, the CWSRF is servicing approximately 150 agreements in disbursement. On average, staff process approximately 464 CWSRF disbursement requests per year. Staff also oversee and perform periodic construction inspections of financed projects to ensure that work is performed consistent with previous approvals, and to ensure that work is being performed in conformance with program requirements, including but not limited to, Davis-Bacon wage rates, American Iron and Steel procurement requirements, disadvantaged business solicitation rules, and environmental special conditions.

The CWSRF program's outstanding revenue bonds require separate accounting of payments from pledged obligations, semi-annual bond payments, and create specific monitoring, reporting, and continuing disclosure actions. The CWSRF program prepares annual financial statements that are audited independently, the CWSRF program is subject to yearly review by U.S. EPA, and is periodically subject to audit or oversight by other federal or state agencies.

3. Administrative Funding

Administrative funding for the CWSRF comes from two sources, the capitalization grants awarded yearly by U.S. EPA, and the State Water Pollution Control Revolving Fund Administrative Fund (Administrative Fund). Administrative spending for the CWSRF is limited to fees collected by the State Water Board for administering the CWSRF, plus the greatest of: (a) four percent of cumulative Capitalization Grants, (b) \$400,000 per year, or (c) 0.20 percent per year of the current valuation of the CWSRF program. Section 13477.5(c)(1) of the California Water Code allows the State Water Board to apply an annual service charge³⁷ on a financing agreement. The revenue generated by this service charge goes into the Administrative Fund and may be used for administration. The Administrative

³⁷ For federal purposes, the Administrative Fund service charge is a fee “other than program income not included as principal in CWSRF financing.” The service charge is collected in lieu of an equal amount of interest that would otherwise be due on the outstanding balance of the financing agreement. The service charge is offset by the reduction in the interest rate so that financing recipients' payments remain the same whether or not they pay the service charge.

Fund and the Capitalization Grants provide reliable administrative funding to the CWSRF program.

Under state law, the service charge rate cannot exceed one percent (1%) of the outstanding balance of a financing agreement. Once the service charge is applied to an agreement, the rate remains unchanged for the duration of the agreement. Since the service charge is a percentage of the outstanding principal on each agreement, it produces a declining amount of revenue each year. Each year, the State Water Board must evaluate the need for the service charge revenue and establish an appropriate rate. The service charge will then be applied to additional agreements to maintain the Administrative Fund revenue consistent with the budget established by the Governor and the Legislature for the CWSRF.

The State Water Board will use the Administrative Fund as its primary source of administrative funding for the CWSRF. The Administrative Fund can only be used for CWSRF program administration, while the administrative allowance from the capitalization grants may be used for administration, local assistance, or a combination of the two. The federal administrative allowance serves as a backup source of administrative funding. If cash flow conditions warrant in SFY 2018-19, the State Water Board will disburse 100 percent (100%) of its federal capitalization grants for local assistance. The authority to spend the administrative allowance from the 2018 Capitalization Grant will be retained for potential use in future years.

The State Water Board hereby establishes the SFY 2018-19 Administrative Service charge rate at one percent. This shall be the effective rate until the State Water Board establishes a different rate. Based on the budgeted positions for the program for SFY 2018-19 and the projected Administrative Fund balances through the end of the year (Appendix I, page 67), which are declining because of decreasing existing fee-in-lieu of interest payments, the State Water Board anticipates applying this charge to additional agreements during SFY 2018-19. The State Water Board also anticipates applying this charge to additional agreements in SFY 2018-19 because of declining Prop 1 SCG and Prop 1 Water Recycling administration funds and the need to continue supporting the administration of projects jointly funded by Prop 1 and CWSRF.

I. Risks

The following are financial or programmatic risks to the CWSRF Program. DFA management will focus on identifying potential problems and acting early to maintain the integrity and success of the CWSRF Program.

1. Application Demand vs. Resources

Demand for financing exceeds the administrative resources needed to review, approve, and finance all complete applications. Staff resources are the most inflexible aspect of the CWSRF program. Additional staff cannot be quickly added to address high demand because they must be approved through the State's budget process. In addition, hiring may be frozen or work hours reduced due to State budget concerns. DFA will prioritize applications consistent with this IUP and the CWSRF Policy. DFA may also adjust its review procedures and work with U.S. EPA or other agencies to resolve delays, schedule financing with applicants, or seek additional resources. DFA can also work with stakeholders to

evaluate changes to the CWSRF Policy or further adjustments to its application and the application review process.

2. Applicants' Schedule Changes or Delays in Executing Agreements

Beneficial and eligible projects may not be financed if the applicants' schedules change or are delayed. To minimize and avoid delays, CWSRF program staff will coordinate regularly with applicants identified in this IUP, and with others that submit applications during the year, to maintain a consistent demand on the program. As project schedules shift, lower priority projects may be funded if they are ready for financing, bearing in mind the PF and GPR requirements established in this IUP. This funding flexibility maximizes the use of the CWSRF and increases the number of projects funded.

Beneficial and eligible projects may not be financed if DFA encounters delays completing its reviews of the applications. To minimize and avoid delays, CWSRF program staff will coordinate its internal review efforts regularly during the year to expeditiously complete its reviews and maintain consistent progress toward the goal of executing agreements for all projects on the Fundable List by June 30, 2019. As delays are encountered, other projects on the Fundable List should continue to move forward, bearing in mind the PF and GPR requirements established in this IUP and the amount of leveraging authority approved by the State Water Board. This funding flexibility maximizes the use of the CWSRF and increases the number of projects funded.

After financing is approved, the recipient must start and complete construction promptly. Applicants are required by their financing agreements to report delays to DFA staff so that appropriate action can be taken to address those delays.

3. Cash Balance

The amount of disbursements requested may exceed the CWSRF's cash balance. DFA staff will maintain accurate account balances and prepare forecasts regularly to identify potential cash shortages in advance. If additional cash is needed, the CWSRF has several options. The CWSRF program has considerable assets it can leverage through revenue bond sales in the municipal bond market to obtain additional cash. The State Water Board can prioritize or limit new commitments or potentially negotiate disbursement schedules with applicants. The CWSRF program can also investigate alternative financing (e.g., providing bond insurance) to reduce cash outlays.

Excess cash may accumulate if applications, and the associated disbursements, are too low. Excess cash provides no water quality benefit for California. DFA will use its marketing, customer assistance, and project development resources to maintain a pipeline of projects ready for financing. It will closely monitor undrawn balances on outstanding financing agreements to ensure that financing recipients request funds expeditiously.

4. Defaults and Late Payments

Pursuant to the CWSRF Policy, DFA will implement prudent lending standards and borrower surveillance practices that safeguard the CWSRF program's equity. The State Water Board contracts with California Municipal Securities, Inc., a financial analysis firm, to evaluate the credit of certain CWSRF applicants before approving funding. The State Water Board also

typically contracts with a professional financial advisor to provide additional financial expertise.

The CWSRF program has many tools to reduce the risk of default, including loan monitoring and surveillance, as well as enforcement remedies. For example, DFA collects and reviews audited financial statements of all borrowers for the first five years of repayment, and may request audited financials for some borrowers for longer periods of time. DFA has an agreement with independent accounting firm CliftonLarsonAllen to audit select borrowers identified as having a higher risk of experiencing financial difficulties. These audits can be conducted to evaluate the financial and management capacities of an entity and provide recommended solutions. The State Water Board will also continue to provide SCG funds in SFY 2018-19 to reduce debt service and default risk for SDACs and DACs or projects that regionalize wastewater infrastructure. Additional subsidies for SDACs and DACs will reduce borrowing costs and the risk of default. Additionally, the State Water Board can offer wastewater-related TA to SDACs and DACs in areas such as evaluating project alternatives, financial management, rate setting, and operation and maintenance.

5. Accountability and Oversight

The CWSRF is capitalized with public funds, and the State Water Board is responsible for using them lawfully and effectively.

The State Water Board regularly reports to U.S. EPA through the National Information Management System (NIMS) and the CWSRF Benefits Reporting (CBR) system on use of the funds. In addition, U.S. EPA reviews the management and performance of the CWSRF annually. The results are summarized in its annual [Program Evaluation Reports](#). The CWSRF Program produces an [annual report and audited financial statements](#).

Additional actions are required of the State Water Board staff to comply with provisions of the Internal Revenue Code applicable to the CWSRF outstanding bond debt. The CWSRF program's [Post-Issuance Tax Compliance Policy for Tax-Exempt Bond Issues](#) provides further detail about actions required of the program's staff to help ensure that its bonds remain exempt from federal income taxes. Additional reporting is required by the program's Continuing Disclosure Agreement; information on the program's bonds can be found on the Electronic Municipal Market Access system maintained by the Municipal Securities Rulemaking Board.

DFA staff will continue to oversee projects to ensure that they meet the terms of the financing agreements by conducting periodic site visits during construction or implementation. All projects are subject to a "Final Project Inspection," and a final summary report is submitted on each project to confirm that it was completed. DFA maintains copies of inspection and final summary reports in the project files.

IV. CWSRF FINANCING AND PROGRAMMATIC REQUIREMENTS

A. Davis-Bacon Requirements

Federal Davis-Bacon rules apply to the construction of treatment works “carried out in whole or in part with assistance made available by a State water pollution control revolving fund.” The State Water Board, therefore, will continue to require that applicants for treatment works projects comply with Davis-Bacon rules. Recipients of CWSRF financing must agree to provide information necessary to show compliance with Davis-Bacon requirements.

B. Generally Accepted Accounting Principles (GAAP)

The CWA requires that recipients of CWSRF financing maintain project accounts in accordance with generally accepted government accounting standards, including standards relating to the reporting of infrastructure assets. Recipients must agree to comply with GAAP. For governmental entities, the Government Accounting Standards Board establishes these standards. The State Water Board, therefore, will require as a condition of financing that governmental applicants maintain project accounts in accordance with generally accepted government accounting standards.

C. Cost and Effectiveness Analysis

Effective October 1, 2015, the CWA requires CWSRF recipients that are municipal, inter-municipal, interstate, or State agencies to certify they have conducted a cost and effectiveness analysis. This analysis includes an evaluation of the costs and effectiveness of the proposed project, and selection of a project that, to the maximum extent practicable, maximizes the potential for energy conservation, and efficient water use, reuse, recapture, and conservation, considering construction, operation and maintenance, and replacement costs. This certification must be provided before CWSRF assistance is provided for final design or construction.

D. Procurement for Architectural and Engineering (A/E) Contracts

Beginning with the FFY 2015 Capitalization Grant, the CWA requires that A/E contracts for equivalency projects (i.e., CWSRF-financed projects specifically identified by DFA that total an amount at least equal to the Capitalization Grant from U.S. EPA) comply with the qualifications-based procurement process described in 40 United States Code section 1101 et seq. or an equivalent state requirement. For all equivalency projects, these procurement requirements apply to any CWSRF-funded A/E contracts³⁸, including any new solicitation, significant contract amendments, and contract renewals for A/E services initiated on or after October 1, 2014. Potential equivalency projects for the FFY 2018 Capitalization Grant are identified in Appendix C (page 50). Equivalency projects will be required to certify that A/E contracts were procured in accordance with federal guidelines or the equivalent state process.

³⁸ A/E contracts include but are not necessarily limited to those for program management, construction management, feasibility studies, preliminary engineering, design, engineering, surveying or mapping.

E. Fiscal Sustainability Plan (FSP)

The CWA requires CWSRF recipients for POTW projects to develop and implement an FSP, which includes an inventory and evaluation of critical assets, evaluation and implementation of water and energy conservation efforts, a plan for maintaining, repairing, and replacing the treatment works, and a plan for funding such activities. Applicants can self-certify that the FSP, or its equivalent, has been developed and implemented, or for applicants without an FSP, or its equivalent, the CWSRF financing agreement will include a condition setting a deadline for FSP certification, which must be prior to the final CWSRF disbursement for the project. FSPs will typically be reviewed during the final inspection.

F. American Iron and Steel (AIS)

The CWA requires CWSRF assistance recipients, absent an exclusion or waiver, to use iron and steel products that are produced in the United States for treatment works projects. U.S. EPA implementation of these provisions is described on its [State Revolving Fund American Iron and Steel \(AIS\) Requirement](#) website.

G. Payment and Draw Schedules

Appendix J (page 68) shows the State Water Board's requested payment schedule for the 2018 Capitalization Grant funds from the U.S. Treasury and the estimated draws of the 2018 funds and the CWSRF remaining federal funds ("unliquidated obligations").

H. State Match and Cash Draw Ratio

The State Water Board must provide one dollar of match for each five dollars received through U.S. EPA Capitalization Grants. Cumulatively, the CWSRF has been awarded approximately \$2.867 billion in capitalization grants as of December 31, 2017, that must be matched. The total matching requirement, therefore, through the estimated FFY 2018 Capitalization Grant is approximately \$596.7 million. The CWSRF program has already provided a total of \$638.3 million in matching funds as of June 30, 2017, leaving an estimated \$41.5 million in match funds for future grants. This excess match amount is sufficient to match approximately \$207.8 million in capitalization grants, or approximately four years' worth of grants at the current rate of federal capital contributions. Since the CWSRF is overmatched at this point, the State Water Board's cash draw ratio for the 2018 Capitalization Grant will be 100 percent (100%) federal funds.

I. Types of CWSRF Assistance and Financing Terms

The State Water Board will provide funding for all eligible categories of projects using loans, installment sale agreements/purchase of debt. The State Water Board will also provide separate planning, design, or planning and design financing during SFY 2018-19 to SDACs and DACs and those projects specifically identified for planning, design, or planning and design financing on the Fundable List provided the applicants can legally accept such financing.

Principal forgiveness, if available, will be provided to those applicants that meet the conditions specified in Appendix G (page 67) and Section III.C.2 above.

The terms associated with CWSRF financial assistance vary by applicant and financing approval date. Planning and design financing is amortized over five or ten years, at the discretion of the applicant, unless rolled into a construction or implementation financing agreement. Construction or implementation financing agreements are generally amortized for periods up to 30 years or the useful life of the financed assets whichever is shorter. The interest rate applied to a financing agreement is established at the time the financing agreement is prepared for approval or financing is approved by the State Water Board. The interest rate will generally be one-half of the State's most recent general obligation bond rate rounded up to the nearest one-tenth of a percent, except as described in Section III.A.4 above. Construction costs incurred prior to approval of financing are reimbursable. However, no construction costs may be reimbursed until all eligibility requirements are met and a financing agreement has been executed or amended to establish a final budget in accordance with the CWSRF Policy.

J. Federal Cross-Cutters and Environmental Reviews

Projects funded by the CWSRF must comply with certain federal laws known as "cross-cutters." The State Water Board will ensure that CWSRF Program financing recipients comply with applicable federal cross-cutter requirements, as identified to the State Water Board in the federal Capitalization Grant.

CWSRF financing agreements include a list of applicable federal statutes and requirements identified in the most recent Capitalization Grant. CWSRF financing recipients agree to comply with these federal requirements by signing the financing agreement.

The State Water Board will use its [State Environmental Review Process](#) (SERP) to ensure compliance with CWSRF environmental requirements during SFY 2018-19. While the SERP generally follows the requirements of the California Environmental Quality Act, each applicant must also complete and submit an [Evaluation Form for Environmental Review and Federal Coordination](#) and additional supporting documents. State Water Board staff will review environmental documents received from applicants and determine if consultation with relevant federal agencies is necessary, consistent with the Operating Agreement between the State Water Board and U.S. EPA.

In addition to the federal requirements discussed in paragraphs A through F in this section, the State Water Board requires compliance with Disadvantaged Business Enterprise (DBE) requirements for all CWSRF financing, except planning and design financing.³⁹ It also requires compliance with the seven (Uniform Grant Guidance, 2 CFR 200(f)) requirements by all recipients that receive federal funds over the current threshold.

The State Water Board will use the Federal Funding Accountability and Transparency Act (FFATA) reporting system to report on all equivalency projects (i.e., projects meeting all the federal cross-cutting requirements whose sum is at least equal to or greater than the Capitalization Grant amount).

³⁹ Planning and design financing agreements may be funded with Capitalization Grants to provide PF for water, energy, and sustainable planning and design. DFA does not intend to apply DBE requirements to such agreements, or to other agreements that do not finance POTWs, but will ensure DBE compliance for all other construction and implementation projects totaling an amount at least equivalent to the Capitalization Grant from U.S. EPA.

K. Capitalization Grant Conditions and Other Federal Requirements

The State Water Board will comply with all conditions included in the 2018 Capitalization Grant agreement. Provisions specific to the FFY 2018 appropriation will take effect only if the State Water Board receives the FFY 2018 Capitalization Grant, and will apply only as directed by Congress or U.S. EPA. The State Water Board will require that CWSRF financing recipients also comply with applicable federal pass-through requirements. Recipients of CWSRF financing must agree to provide information necessary to show compliance with all applicable federal requirements.

L. Other State Requirements

Other state laws not specific to the CWSRF may also apply. These may include but are not limited to laws affecting urban water suppliers, charter cities, agricultural water users, projects located in the Sacramento-San Joaquin Delta, labor regulations, prevailing wages, and debt reporting.

M. Timely and Expeditious Expenditure

The State Water Board will ensure timely and expeditious expenditure of all funds during SFY 2018-19. This IUP establishes as a goal during SFY 2018-19 to overcommit cash and undrawn federal grant funds to continually disburse 100 percent (100%) of those funds less a minimum cash balance of \$25 million plus any assets restricted for other uses, (i.e., bond payments and administration). The State Water Board will continue to use and refine its existing procedures. These procedures are designed to quickly identify and approve projects, execute financing agreements, and disburse funds to recipients. Currently CWSRF is disbursing funds at a rate of approximately \$54.7 million per month, and as of March 29, 2018, the State Water Board has disbursed 95.2 percent (95.2%) of all federal grants awarded, including the American Recovery and Reinvestment Act of 2009 (ARRA) grant. These results are consistent with recent trends, and indicate that the State Water Board can quickly and productively use federal funds once awarded.

V. OUTCOMES, GOALS, ACTIVITIES, AND MEASURES

A. Sound Finances

The State Water Board, the CWSRF program's stakeholders, and the owners of CWSRF bonds expect the CWSRF to be financially sound.

Long-Term Goals:

1. Maximize cash flow: For maximum benefit, CWSRF disbursements should equal the Program's receipts, less the minimum \$25 million balance and restricted assets.
2. Use revenue and capital effectively: California faces significant water quality needs. The CWSRF repayment stream is sizeable, and the Program continues to receive new capital from U.S. EPA. The CWSRF program's net position may make additional debt to finance water quality projects feasible and desirable. Additional debt, though, should be consistent with the *SRF Debt Management Policy* and the federal requirement to maintain the CWSRF in perpetuity.
3. Maintain financial integrity: Financial integrity is a core value of the CWSRF program. Effective internal controls ensure that the program's finances are dependable and trustworthy. Prudent lending practices and reasonable interest rates ensure the stability and continued growth of the CWSRF program.

Key Short-Term Activities:

1. Prepare and review cash management reports regularly: Ensuring that sufficient cash is available to fulfill project disbursement requests, make bond payments, and pay for other program expenses requires careful and regular oversight of the cash flows. (*Completed quarterly*)
2. Continue regular staff level finance/audit coordination meetings:
 - a. Review cash flow forecasts of existing and potential commitments and upcoming expenses to assess the CWSRF program's ability to meet its commitments and to evaluate the need for leveraging or other actions to regulate cash outflows.
 - b. Compare actual performance with target performance measures.
 - c. Review audit issues, program control issues, and plan for upcoming audits. (*Completed quarterly*)

3. Apply for and accept FFY 2018 Capitalization Grant: The 2018 Grant application will be formally submitted to U.S. EPA after approval of this IUP by the State Water Board. For 2018, a Capitalization Grant application will be submitted for \$150 million⁴⁰ in federal assistance. (*Complete July 2018*)
4. Maintain compliance with the *SRF Debt Management Policy*. (*Ongoing Annually*)
5. Prepare Annual Report and Audited Financial Statements for SFY 2017-18. (*Complete October 30, 2018*)

Performance Measurements:

1. Total executed financing agreements > 120 percent (120%) of federal grants.
2. Disbursement rate = 100 percent (100%) of available funds less \$25 million minimum balance and restricted funds.
3. Federal funds disbursement rate = 100 percent (100%) of federal payments.
4. Default ratio = 0.

B. Fund the Most Beneficial Projects

The CWSRF program has finite funds and resources. These limitations require the State Water Board to prioritize so that the most pressing water quality problems are addressed first.

Long-Term Goals:

1. Achieve compliance statewide with water quality objectives.
2. Achieve sustainable water resource management consistent with the Human Right to Water.
3. Finance infrastructure that will achieve or maintain compliance with federal and state water quality requirements: Support the *California Water Action Plan*, State Water Board's *Strategic Plan*, CalEPA's *Strategic Vision*, and U.S. EPA's Strategic Plan Goal 2 (Protecting America's Waters), Objective 2.2 (Protect and Restore Watersheds and Aquatic Ecosystems), and Sub-Objective 2.2.1 (Improve Water Quality on a Watershed Basis).
4. Assist with the State Water Board's [Plan for California's Nonpoint Source Pollution Control Program](#) and Estuary Comprehensive Conservation and Management Plans.
5. Invest in SDACs and DACs disproportionately affected by pollution and water contamination consistent with the Capacity Development Strategy.

⁴⁰ This number is preliminary, and subject to change. The FFY 2018 federal budget was passed by Congress on March 23, 2018 with a potential increase in the FFY 2018 CWSRF national appropriation when compared to prior years. The FFY 2018 capitalization grant application will be submitted for a higher amount (\$150 million) than the estimated grant award to avoid amending this IUP and resubmitting the application should the actual award be greater than the currently estimated capitalization grant of \$117 million. If the actual 2018 grant award is less than the grant application, then the award can be made by U.S. EPA without the State Water Board submitting an amended IUP and grant application.

6. Support the State's greenhouse gas reduction and climate adaptation goals to the maximum extent practicable consistent with State Water Board Resolution No. 2017-0012.

Key Short-Term Activities:

1. Provide funds for high-priority projects: Appendix B, the Fundable List, (page 40) identifies projects that the CWSRF Program anticipates funding in SFY 2018-19 that support the Water Boards' and U.S. EPA's priorities along with their expected executed agreement dates.
2. Conduct additional stakeholder outreach to develop an easy to use "application scoring system" that can be used to select projects for the annual "Fundable List" and help applicants identify projects that best address the State Water Board's water quality objectives and have the best prospect of receiving funding from the CWSRF. This Short-Term Activity is integral to completing Short-Term Activity #2 under Section V.C below. (Complete November 2019)
3. Adopt the SFY 2018-19 IUP: The SFY 2018-19 IUP will guide marketing and assistance efforts targeting the Water Board and U.S. EPA's highest priorities in SFY 2018-19. (Complete June 2018)
4. Report activities supporting the *California Water Action Plan*, State Water Board's *Strategic Plan*, the CalEPA *Strategic Vision*, and the U.S. EPA *Strategic Plan* in the CWSRF Annual Report, CBR, NIMS, and the FFATA Reporting System. (Completed annually)

Performance Measurements:

1. Fund utilization rate (U.S. EPA Program Reporting Measure WQ-17 Fund Utilization) > 105 percent (105%) of available funds.
2. Execute financing agreements for 100 percent (100%) of projects listed on the Fundable List, Appendix B (page 40) of this IUP, by June 30, 2019.
3. At least 25 percent (25%) of the number of projects executed during SFY 2018-19 should assist SDACs or DACs.
4. FFY 2018 funds committed as PF = maximum allowed by 2018 appropriation.
5. Percentage of FFY 2018 funds committed to GPR projects > minimum GPR percentage established by FFY 2018 appropriation.

C. Efficient Service, Up-to-Date Policies and Procedures, and Recognizable Products

Applicants have several choices for their financing needs. The CWSRF program should attract high-value projects that support the policies and goals of the State Water Board.

Long-Term Goals:

1. Provide good customer service with a special emphasis on assisting SDACs and DACs.
2. Ensure that the application forms and review procedures are clear, flexible, up-to-date, and efficient.
3. Clearly communicate to applicant their statuses and expectations for funding.
4. Ensure staff is well trained and ready to help applicants resolve technical, legal, environmental, and financial issues needed to receive financing.

Key Short-Term Activities:

1. Continue regular internal coordination meetings to identify and resolve delays affecting applications on the Fundable List, coordinate and prioritize application reviews, and ensure all projects on the Fundable List receive an executed agreement by June 30, 2019.
(Completed monthly)
2. Prepare a CWSRF Policy Amendment for the State Water Board's Consideration: The State Water Board last amended the CWSRF Policy at its February 17, 2015 meeting to address changes in the program made by WRRDA. Staff will prepare an amendment to the CWSRF Policy that recommends additional changes for the State Water Board's consideration. The objective is to ensure the CWSRF Policy is implementing the best policy choices consistent with the Board's water quality objectives. In particular incorporating an easy to use "application scoring system" that will be used to select projects for the annual Fundable List and help applicants identify projects that best address the State Water Board's water quality objectives and have the best prospect of receiving funding from the CWSRF.
(Complete June 2019)
3. Provide a Mid-Year Informational Update to stakeholders on DFA's progress implementing the SFY 2018-19 IUP (Complete November 2018)

Performance Measurements:

1. Execute financing agreements for all projects identified on the Fundable List before July 1, 2019.
2. In 30 days or less⁴¹, fulfill 100 percent (100%) of complete disbursement requests.
3. Amend financing agreements to establish final project budget no later than 60 days after receipt of complete Final Budget Approval Package.

⁴¹ Disbursement fulfillment time is the time from receipt of a complete disbursement request to warrant date.

VI. SCHEDULE

The estimated schedule for public comment and State Water Board adoption of the SFY 2018-19 IUP, and the application, award, and acceptance of the 2018 Capitalization Grant is as follows:

Draft IUP posted for public comment, as part of State Water Board Meeting agenda	April 9, 2018
Deadline for Public Comments on Draft IUP	May 10, 2018
State Water Board adopts IUP at regularly scheduled meeting	June 19, 2018
Submit FFY 2018 Capitalization Grant application to U.S. EPA	June 30, 2018
Execute FFY 2018 Capitalization Grant agreement with U.S. EPA	September 2018

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VII. APPENDICES

APPENDIX A: Current Sources and Uses of the CWSRF⁴²

	Projected SFY 2017-18	Projected SFY 2018-19	Projected SFY 2019-20	Projected SFY 2020-21	Projected SFY 2021-22
Beginning Balance ⁴³	\$1,090,811,598	\$1,002,035,984	\$841,970,942	\$960,551,184	\$747,062,681
Estimated Principal Payments + Interest Earnings	\$278,293,223	\$293,143,223	\$307,993,223	\$322,843,223	\$337,693,223
Estimated SMIF ⁴⁴ Interest Earnings	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Revenue Bond Proceeds ⁴⁵	\$527,000,185	\$500,000,000	\$500,000,000		
Debt Service—2012, 2016 & 2017 Revenue Bonds	(\$68,821,618)	(\$122,155,500)	(\$136,471,900)	(\$138,406,425)	(\$138,972,200)
Debt Service – 2018 Revenue Bonds (preliminary)			(\$21,000,000)	(\$51,500,000)	(\$77,000,000)
Federal Capitalization Grants Received ⁴⁶	\$94,822,000	\$90,000,000	\$70,000,000	\$70,000,000	\$70,000,000
Administration Allowances ⁴⁷	(\$3,792,880)	(\$3,600,000)	(\$2,800,000)	(\$2,800,000)	(\$2,800,000)
Estimated Disbursements ⁴⁸	(\$917,776,525)	(\$918,952,765)	(\$600,641,081)	(\$415,125,302)	(\$219,150,005)
Estimated Year-End Balances ⁴⁹	\$1,002,035,984	\$841,970,942	\$960,551,184	\$747,062,681	\$718,333,699

	SFY 2017-18	SFY 2018-19	SFY 2019-20	SFY 2020-21	SFY 2021-22
Estimated Yearly Cash Flows ⁵⁰	(\$88,775,615)	(\$160,065,041)	\$118,580,242	(\$213,488,504)	(\$28,728,982)

⁴² Forecast dated March 2018

⁴³ The Beginning Balance does not include the \$25 million set aside for the minimum balance of the CWSRF. It is excluded to reflect that it is not available for other uses.

⁴⁴ SMIF means Surplus Money Investment

⁴⁵ For SFY 2017-18, the State Water Board issued its Series 2018 Green Bonds on March 8, 2018. This amount does not include the cost of issuance of the Series 2018 Green Bonds. DFA will determine based on the CWSRF cash flow needs if future revenue bond sales are necessary. The 2018-19 and 2019-20 Revenue Bond sale is only a projection and subject to change.

⁴⁶ These numbers include a final amount for the FFY 2017 grant that the State Water Board received on August 14, 2017. The amounts for all grants past FFY 2017 are estimated. The forecasted capitalization grants are listed in the aggregate amounts. Principal forgiveness, if available, is included in the aggregate grant amount in the forecast.

⁴⁷ These numbers include a final amount for the FFY 2017 grant that the State Water Board received on August 14, 2017. The amounts allowed for administration from all grants past FFY 2017 are based on estimates of the future grant amounts. The numbers reflect the percentage of the capitalization grants that may be used for program administration. The primary source of administrative funds for the CWSRF is the Administrative Fund. See Section III.H.3 (Administrative Funding) for further discussion. Funds from the Administration Allowance that are not used for program administration may be used to finance projects.

⁴⁸ Estimated disbursements are a forecast of the cash disbursements for projects with executed financing agreements. The estimated cash disbursements include the local match credits on past projects that used match financing. Local match credits are contributions made by financing recipients in exchange for using match financing; match credits are used to meet the federal capitalization grants matching requirement.

⁴⁹ Estimated Year End Balances represent a running total based on the previous year's ending balance.

⁵⁰ Estimated Yearly Cash Flows represent the projected difference between revenues and capitalization grants (inflows) and disbursements and expenses (outflows) for each year, and do not include the previous year's ending balance. Positive numbers indicate that inflows are projected to be greater than outflows for that year. Negative numbers indicate that outflows are projected to be greater than inflows for that year.

APPENDIX B: CWSRF Project Financing Forecast for SFY 2018-19 – Fundable List

Class	Application Complete	Project Number ^a	Region	Agency	Project Name	NPDES/MDR Permit Number	Type ¹	Estimated Agreement Date	Estimated 2018 Capitalization Grant Projects	Estimated CWSRF Loan Funds SFY 2018/19	Estimated Principal Forgiveness (Cap Grant Funds Only) ²	Estimated Water Recycling Funding Program Loan ³	Estimated Water Recycling Funding Program Grant ⁴	Estimated Small Community Wastewater Grant ⁵	Estimated Total Financing	Estimated Equivalency & FFATA Projects	Federal Year 2018	Green Project Type ⁶	Determination Categorical (C) or Business Case (BC)
Group 1 - Financing Agreement Mailed to Applicant for Its Signature																			
C1	Yes	7385-110	1	Fort Bragg, City of	Wastewater Treatment Plant Upgrade Project	CA0023078	POTW	3/15/2018	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000		\$0		
C1	Yes	8250-110	2	Napa Sanitation District	Recycled Water Reservoir Improvements Project	CA0037575	POTW	3/1/2018	\$0	\$0	\$1,341,217	\$0	\$0	\$0	\$1,341,217		\$2,682,434	W	C
C0	Yes	8378-110	5	Calaveras Unified School District	Wastewater Plant Upgrades (JLE and TMS)	R5-1997-0074	POTW	2/28/2018	\$0	\$0	\$0	\$0	\$0	\$323,000	\$323,000		\$0		
C0	Yes	8009-110	5	Grizzly Lake Community Services District	Delleker Wastewater Treatment Plant Improvements Planning Project	CA0081744	POTW	2/8/2018	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
D3	Yes	8301-110	7	El Centro, City of	Energy Upgrades-City of El Centro Wastewater Treatment Plant	CA0104426	POTW	3/30/2018	\$0	\$0	\$1,663,161	\$0	\$0	\$0	\$1,663,161		\$3,326,322	E	C
D1	Yes	8032-110	9	San Diego, City of	Pump Station 2 Power Reliability & Surge Protection Project	CA0107409	POTW	3/1/2018	\$57,000,000	\$13,000,000	\$0	\$0	\$0	\$0	\$70,000,000	Yes	\$0		
Subtotal Group 1 =									\$57,000,000	\$13,000,000	\$3,004,378	\$0	\$0	\$6,823,000	\$79,827,378		\$6,008,756		
Group 2 - Agreement Routing for Division Management Approval and Subsequent Mailing to Applicant																			
C0	Yes	8048-210	1	Lewiston Community Services District	Wastewater Collection, Treatment and Disposal Project	R1-1997-0011	POTW	5/1/2018	\$0	\$0	\$0	\$0	\$0	\$15,560,300	\$15,560,300		\$0		
D3	Yes	8221-110	1	McKinleyville Community Services District	MCSD Wastewater System Energy Efficiency and Renewable Energy Project	CA0024490	POTW	6/1/2018	\$0	\$2,685,020	\$2,484,590	\$0	\$0	\$0	\$5,169,610		\$2,484,590	E	C

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C0	Yes	8184-120	3	Marina Coast Water District	Regional Urban Water Augmentation Project - Phase 2	DWQ-2009-0006	POTW	4/2/2018	\$0	\$5,719,791	\$0	\$2,021,012	\$3,698,779	\$0	\$11,439,582	\$5,719,791	W	C
D1	Yes	7109-110	5	Fresno County Waterworks District 38	Wastewater Treatment Plant Improvements	R5-1997-0010	POTW	3/28/2018	\$0	\$599,420	\$130,580	\$0	\$0	\$0	\$730,000	\$261,160	E	C
C2	Yes	8039-110	5	Murphys Sanitary District	Wastewater Treatment Plant Upgrade Project	R5-2000-0264	POTW	5/30/2018	\$0	\$1,003,397	\$0	\$0	\$0	\$3,010,192	\$4,013,589	\$0		
C0	Yes	8375-110	5	San Andreas Sanitary District	SASD Collection System Improvements Planning	DWQ-2006-0004	POTW	3/30/2018	\$0	\$0	\$0	\$0	\$0	\$220,000	\$220,000	\$0		
C2	Yes	8253-110	5	Yuba City, City of	Water Smart Meter Replacement - GPR Funding	CA0079260	POTW	3/30/2018	\$0	\$4,000,000	\$4,000,000	\$0	\$0	\$0	\$8,000,000	\$8,000,000	W	C
D6	Yes	8165-110	8	Eastern Municipal Water District	Alessandro Pond Optimization Project	CA8000188	POTW	5/1/2018	\$0	\$0	\$795,400	\$0	\$0	\$0	\$795,400	\$1,590,800	W	C
Subtotal Group 2 =									\$0	\$14,007,628	\$7,410,570	\$2,021,012	\$3,698,779	\$18,790,492	\$45,928,481	\$18,056,341		
Group 3 - Staff Has Completed Review of 4 Application Packages and Legal Consultation Is In Process																		
C0	Yes	7767-210	5	Stratford Public Utility District	Wastewater Facilities Improvement Project	R5-1982-0068	POTW	6/29/2018	\$0	\$1,067,850	\$0	\$0	\$0	\$5,500,250	\$6,568,100	\$0		
D2	Yes	8324-110	6	Running Springs Water District	Automatic Meter Reading (AMR) Technology Upgrade	R8-1987-0008	POTW	4/15/2018	\$0	\$400,000	\$400,000	\$0	\$0	\$0	\$800,000	\$800,000	W	C
D3	Yes	8338-110	8	Elsinore Valley Municipal Water District	Regional Water Reclamation Facility SCADA Implementation	CA8000027	POTW	4/15/2018	\$0	\$2,164,404	\$2,164,403	\$0	\$0	\$0	\$4,328,807	\$4,328,807	E	C
Subtotal Group 3 =									\$0	\$3,632,254	\$2,564,403	\$0	\$0	\$5,500,250	\$11,696,907	\$5,128,807		
Group 4 - Staff Has Completed Review of 4 Application Packages but Legal Consultation Has Not Started																		
C1	Yes	8186-110	8	Eastern Municipal Water District	Temecula Valley Recycled Water Pipeline Project	CA8000188	POTW	5/15/2018	\$0	\$0	\$0	\$0	\$5,005,000	\$0	\$5,005,000	\$0		
Subtotal Group 4 =									\$0	\$0	\$0	\$0	\$5,005,000	\$0	\$5,005,000	\$0		
Group 5 - Staff Has Not Completed Review of 4 Application Packages but Legal Consultation Is Completed																		

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C0	Yes	8266-110	2	Dublin San Ramon Services District-East Bay MUD Recycled Water Authority	DERWA Recycled Water Treatment Facility Phase 2	Pending	POTW	5/15/2018	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000	\$5,000,000	W	C	
C0	Yes	8174-210	5	Mt. Shasta, City of	State Mandated Wastewater Treatment and Disposal Improvement Project	R5-2017-0117	POTW	5/30/2018	\$0	\$1,336,930	\$0	\$0	\$5,800,161	\$7,137,091	\$0				
Subtotal Group 5 =									\$0	\$1,336,930	\$2,500,000	\$0	\$0	\$5,800,161	\$9,637,091	\$5,000,000			
Group 6 - Staff Has Not Completed Review of 4 Application Packages and Legal Consultation Is In Process																			
C5	Yes	8029-110	3	San Luis Obispo, City of	San Luis Obispo Water Resource Recovery Facility Expansion and Improvements Project	CA0049224	POTW	7/2/2018	\$0	\$136,000,000	\$4,000,000	\$0	\$0	\$140,000,000	Yes	\$140,000,000	W	C	
C2	Yes	8134-110	3	Santa Cruz County Sanitation District	Soquel Pump Station Force Main Replacement	DWQ-2008-0002	POTW	6/30/2018	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0				
D4	Yes	8268-110	5	Selma-Kingsburg-Fowler County Sanitation District	McCall Avenue Sewer R&R	R5-2001-0255	POTW	6/15/2018	\$0	\$6,643,000	\$0	\$0	\$0	\$6,643,000	\$0				
C4	Yes	8085-210	5	Shasta, County of	CSA 17 Wastewater Treatment Plant Improvement Project	CA0081507	POTW	6/1/2018	\$0	\$1,474,250	\$0	\$0	\$4,422,750	\$5,897,000	\$0				
C3	Yes	8237-110	5	Turlock, City of	North Valley Regional Recycled Water Program	CA0085316	POTW	6/15/2018	\$0	\$17,230,500	\$2,500,000	\$19,730,500	\$0	\$39,461,000	\$19,730,500	W	C		
C2	Yes	8106-110	8	East Valley Water District	Sterling Natural Resource Center	Pending	POTW	6/15/2018	\$0	\$63,000,000	\$0	\$57,237,909	\$5,762,091	\$0	\$126,000,000	Yes	\$63,000,000	W	C
Subtotal Group 6 =									\$0	\$228,347,750	\$6,500,000	\$76,968,409	\$5,762,091	\$4,422,750	\$322,001,000	\$222,730,500			
Group 7 - Staff Has Not Completed Review of 4 Application Packages and Legal Consultation Has Not Started																			
C6	Yes	8127-110	1	Arcata, City of	Inflow and Infiltration Reduction Project Phase 5	CA0022713	PTOW		\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000	\$0			
C0	Yes	8159-210	1	City of Weed	Sewer Replacement Project	R1-1996-0070	POTW		\$0	\$0	\$0	\$0	\$0	\$5,500,000	\$5,500,000	\$0			
C0	Yes	8404-110	1	Manila Community Services District	Manila CSD Wastewater Infrastructure Improvement Project	R1-1995-0002	POTW		\$0	\$0	\$0	\$0	\$0	\$355,000	\$355,000	\$0			

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C0	No	8403-110	1	Rio Dell, City of	Rio Dell Sanitary Sewer Evaluation Study	CA0021161	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
C0	Yes	8387-110	1	Russian River County Sanitation District	Headworks and Lift Stations Condition Assessment Project	R1-2016-0022	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
C0	Yes	8390-110	1	Russian River County Sanitation District	Russian River Sanitation District Force Main System Project	R1-2016-0022	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
C0	No	8332-110	1	Tolowa Dee-ni Nation	Smith River Wastewater System Improvement Planning Study	R1-2009-0090	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
D1	Yes	8244-110	2	Napa Sanitation District	Browns Valley Road Sewer Interceptor and West Napa Pump Station Improvements	CA0037575	POTW		\$0	\$16,000,000	\$4,000,000	\$0	\$0	\$0	\$20,000,000		\$16,000,000	E	C
C4	Yes	8258-110	2	Richmond, City of	Wastewater Treatment Plant Critical Improvements Project	CA0038539	POTW		\$0	\$28,700,000	\$0	\$0	\$0	\$0	\$28,700,000		\$0		
C0	Yes	8371-110	2	San Francisco, Public Utilities Commission of the City & County of	CWWSIPTPOP03 OSP Digester Gas Utilization Upgrade	CA0037681	POTW		\$0	\$35,687,969	\$4,000,000	\$0	\$0	\$0	\$39,687,969		\$39,687,969	E	C
C3	Yes	8372-110	2	San Francisco, Public Utilities Commission of the City & County of	CWWSIPDP01 SEP Biosolids Digester Facilities Project (BDFP)	CA0037664	POTW		\$0	\$128,000,000	\$4,000,000	\$0	\$0	\$0	\$132,000,000	Yes	\$132,000,000	E	C
D1	Yes	8264-110	2	Silicon Valley Clean Water	Conveyance & Treatment Reliability Improvements Project - Tunnel and Gravity Pipeline (includes San Carlos Odor Control Facility)	CA0038369	POTW		\$0	\$44,000,000	\$0	\$0	\$0	\$0	\$44,000,000		\$0		
D1	Yes	8264-210	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - Front of Plant - Receiving Lift Station, Headworks, Influent Connector Pipe, Front of Plant Civil Site Work	CA0038369	POTW		\$0	\$119,000,000	\$0	\$0	\$0	\$0	\$119,000,000	Yes	\$0		
D1	Yes	8264-710	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - San Carlos Pump Station Demo	CA0038369	POTW		\$0	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000		\$0		

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C2	Yes	8033-110	2	South San Francisco, City of	South San Fran/San Bruno Water Quality Control Plant Wet Weather & Digester Project	CA0038130	POTW		\$0	\$49,403,000	\$4,000,000	\$0	\$0	\$0	\$53,403,000	\$53,403,000	E	C
C0	No	8370-110	3	Moss Landing Community Services District	Moss Landing Wastewater upgrades	Pending	PTOW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
C1	Yes	8154-110	4	Los Angeles County Sanitation District No. 2	Carson JWPCP - Effluent Outfall Tunnel Project	CA0053813	POTW		\$0	\$127,230,000	\$0	\$0	\$0	\$0	\$127,230,000	\$0	Yes	
C1	Yes	8125-110	4	Palmdale Recycled Water Authority	Recycled Water Line Phase 2	R6-2012-0002	POTW		\$0	\$1,250,000	\$2,500,000	\$3,750,000	\$0	\$0	\$7,500,000	\$3,750,000	W	C
C2	Yes	8137-110	4	Pasadena, City of	Pasadena Non-Potable Water Project	CA0053953	POTW		\$0	\$13,342,500	\$2,500,000	\$0	\$0	\$0	\$15,842,500	\$15,842,500	W	C
C3	Yes	8156-110	4	Santa Clarita Valley Sanitation District	Santa Clarita Valley San Dist Microfiltration/RO	CA0054216	POTW		\$0	\$52,001,000	\$4,000,000	\$0	\$0	\$0	\$56,001,000	\$56,001,000	E	C
C4	Yes	8035-110	4	Santa Clarita Valley Sanitation District	Santa Clarita Valley Sanitation District UV Project (Phase 1)	CA0054216	POTW		\$0	\$16,064,676	\$4,000,000	\$0	\$0	\$0	\$20,064,676	\$20,064,676	E	C
C0	Yes	8160-210	5	American Valley Community Services District	Quincy-East Quincy Wastewater Treatment Plant Improvements	R5-2016-0049	POTW		\$0	\$0	\$0	\$0	\$0	\$10,902,000	\$10,902,000	\$0		
E0	Yes	8392-110	5	Avenal, City of	Solar Photovoltaic System System at WWTF	R5-2000-0231	POTW		\$0	\$0	\$0	\$0	\$0	\$4,815,000	\$4,815,000	\$0		
C1	Yes	8095-110	5	Brentwood, City of	Wastewater Treatment Plant Expansion - Phase II	CA0082660	POTW		\$0	\$56,217,000	\$3,086,000	\$0	\$0	\$0	\$59,303,000	\$6,172,000	E	C
C2	Yes	8108-310	5	Burney Water District	Burney Water District Collection System Improvement Project	R5-2017-0050	POTW		\$0	\$0	\$0	\$0	\$0	\$1,750,000	\$1,750,000	\$0		
C2	Yes	8108-210	5	Burney Water District	Burney Water District Wastewater Treatment Plant Improvement Project	R5-2017-0050	POTW		\$0	\$277,100	\$0	\$0	\$0	\$5,810,899	\$6,087,999	\$0		
C0	Yes	7659-110	5	County of Kern	South Shafter Sewer Project	R5-2009-0088	POTW		\$0	\$0	\$0	\$0	\$0	\$10,177,553	\$10,177,553	\$0		

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C0	Yes	8124-210	5	Firebaugh, City of	Wastewater Treatment Plant Improvements	R5-1998-0230	POTW		\$0	\$1,714,500	\$0	\$0	\$0	\$5,143,500	\$6,858,000		\$0		
C0	Yes	8052-210	5	Housing Authority of the County of San Joaquin	Housing Authority Thornton Wastewater Improvements	R5-1994-0101	POTW		\$0	\$0	\$0	\$0	\$0	\$4,727,500	\$4,727,500		\$0		
C0	Yes	8093-210	5	Huron, City of	Recycled Water Improvements at WWTF	R5-2014-0163	POTW		\$0	\$391,072	\$0	\$0	\$0	\$5,677,478	\$6,068,550		\$0		
C3	Yes	8097-110	5	Kern-Tulare Water District	Kern-Tulare Water District Oil Field Water Reuse Project	R5-1998-205	POTW		\$0	\$444,475	\$2,500,000	\$2,944,475	\$0	\$0	\$5,888,950		\$2,944,475	W	C
E1	Yes	7887-210	5	Live Oak, City of	WWTP Solar Installation	CA0079022	PTOW		\$0	\$0	\$0	\$0	\$0	\$2,240,000	\$2,240,000		\$0		
C0	No	8369-110	5	Madera, County of	Madera CSA No. 3 - Parkdale Sewer Project	Pending	PTOW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
C3	Yes	8276-110	5	McFarland, City of	City of McFarland Wastewater Treatment Plant Expansion	R5-2008-0072	POTW		\$0	\$6,000,000	\$0	\$0	\$0	\$6,000,000	\$12,000,000		\$0		
C0	Yes	8412-110	5	Monterey Park Tract Community Services District	Monterey Park Tract Community Services District Sewer Project	Pending	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000		\$0		
C2	Yes	8230-210	5	Mt. Shasta, City of	Downtown Collection System Improvements Project	R5-2017-0117	POTW		\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000		\$0		
B1	Yes	5039-110	5	Orange Cove, City of	Orange Cove WWTP Tertiary Treatment & Recycled Water Project	R5-2004-0008	POTW		\$0	\$1,300,000	\$0	\$0	\$0	\$6,000,000	\$7,300,000		\$0		
C1	Yes	8142-110	5	Patterson, City of	Wastewater Treatment Plant Expansion Phase III	R5-2007-0147	POTW		\$0	\$1,520,617	\$464,119	\$0	\$0	\$0	\$1,984,736		\$928,238	E	C
C4	Yes	8215-110	5	Roseville, City of	Pleasant Grove Wastewater Treatment Plant Expansion and Energy Recovery Project	R5-2014-0051	POTW		\$0	\$114,311,668	\$4,000,000	\$0	\$0	\$0	\$118,311,668	Yes	\$118,311,668	E	C
C4	Yes	8085-310	5	Shasta, County of	CSA 17 Collection System Improvement Project	DWQ-2006-0003	POTW		\$0	\$709,000	\$0	\$0	\$0	\$2,127,000	\$2,836,000		\$0		

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C1	Yes	8102-110	6	Palmdale Water District	Palmdale Regional Groundwater Recharge and Recovery Project	DWQ-2014-0090	POTW	\$0	\$26,200,000	\$2,500,000	\$28,700,000	\$0	\$0	\$57,400,000	\$28,700,000	W	C
A0	Yes	7860-110	7	Hi-Desert Water District	Septic System Abatement & Private Lateral Installation	R7-2015-0043	POTW	\$0	\$37,200,000	\$0	\$0	\$0	\$8,000,000	\$45,200,000	\$0		
C2	Yes	8167-120	8	Jurupa Community Services District	Joint IEUA - JCSD Regional Water Recycling Program	CA8000316	POTW	\$0	\$7,730,000	\$2,500,000	\$10,230,000	\$0	\$0	\$20,460,000	\$10,230,000	W	C
C2	Yes	8364-110	8	Eastern Municipal Water District	Automated Metering Infrastructure Replacement	CA8000188	POTW	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$8,000,000	W	C
E1	Yes	8357-110	8	Eastern Municipal Water District	Water Treatment Facilities Lighting Retrofit	CA8000188	POTW	\$0	\$0	\$736,235	\$0	\$0	\$0	\$736,235	\$1,472,470	E	C
C3	Yes	8336-110	8	Elsinore Valley Municipal Water District	Regional Water Reclamation Facility Upgrades	CA8000027	POTW	\$0	\$16,660,000	\$4,000,000	\$0	\$0	\$0	\$20,660,000	\$20,660,000	E	C
C2	Yes	8235-110	8	Inland Empire Utilities Agency	2015 Drought Relief - RP-1158 Recycled Water Pump Station Upgrades	CA01015279	POTW	\$0	\$0	\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000	\$4,000,000	W	C
C2	Yes	8235-130	8	Inland Empire Utilities Agency	2015 Drought Relief - Recycled Water Pressure Sustaining Valve Installation	CA01015279	POTW	\$0	\$0	\$425,000	\$425,000	\$0	\$0	\$850,000	\$850,000	W	C
C2	Yes	8235-140	8	Inland Empire Utilities Agency	2015 Drought Relief - RP-1 Parallel Outfall Pipeline	CA01015279	POTW	\$0	\$350,000	\$2,500,000	\$2,850,000	\$0	\$0	\$5,700,000	\$2,850,000	W	C
C2	Yes	8235-150	8	Inland Empire Utilities Agency	2015 Drought Relief - Baseline Extension Project	CA01015279	POTW	\$0	\$208,709	\$2,500,000	\$2,708,708	\$0	\$0	\$5,417,417	\$2,708,708	W	C
C2	Yes	8236-110	8	Inland Empire Utilities Agency	City of Ontario Recycled Water Distribution System Project	CA01015279	POTW	\$0	\$8,819,541	\$2,500,000	\$11,319,542	\$0	\$0	\$22,639,083	\$11,319,542	W	C
C2	Yes	8235-120	8	Inland Empire Utilities Agency	2015 Drought Relief - RP-5 Recycled Water Pipeline Bottleneck	CA01015279	POTW	\$0	\$0	\$1,377,500	\$1,377,500	\$0	\$0	\$2,755,000	\$2,755,000	W	C
C2	Yes	8167-110	8	Inland Empire Utilities Agency	Joint IEUA - JCSD Regional Water Recycling Program Phase I	CA8000316	POTW	\$0	\$13,500,000	\$2,500,000	\$16,000,000	\$0	\$0	\$32,000,000	\$16,000,000	W	C

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D2	Yes	8290-110	8	Orange County Water District	Groundwater Replenishment System Final Expansion	Pending	POTW		\$0	\$0	\$0	\$114,700,000	\$0	\$0	\$114,700,000	\$0			
C2	Yes	8307-110	8	Orange County Water District	Water Production Flow Enhancement Project	Pending	POTW		\$0	\$9,200,000	\$2,500,000	\$11,700,000	\$0	\$0	\$23,400,000	\$11,700,000	W	C	
C4	Yes	8162-110	8	Yucaipa Valley Water District	Calimesa Recycled Water Conveyance Project	CA0105619	POTW		\$0	\$620,525	\$2,500,000	\$3,120,525	\$0	\$0	\$6,241,050	\$3,120,525	W	C	
C3	Yes	8059-110	9	Escondido, City of	Recycled Water Easterly Agricultural Reverse Osmosis Facility and Pump Station	R9-2010-0032	POTW		\$0	\$12,000,000	\$2,500,000	\$14,500,000	\$0	\$0	\$29,000,000	\$14,500,000	W	C	
D2	Yes	8299-110	9	Otay Water District	Campo Road Sewer Replacement	R9-2007-0038	POTW		\$0	\$7,750,000	\$0	\$0	\$0	\$0	\$7,750,000	\$0			
D1	Yes	8277-110	9	San Diego, City of	Advanced Metering Infrastructure (AMI) Project	CA0107409	POTW		\$0	\$38,032,242	\$4,000,000	\$0	\$0	\$0	\$42,032,242	\$42,032,242	W	C	
C5	Yes	8196-110	9	San Elijo Joint Powers Authority	SEJPA Recycled Water Phase II Project	CA0107999	POTW		\$0	\$600,000	\$2,500,000	\$3,100,000	\$0	\$0	\$6,200,000	\$3,100,000	W	C	
Subtotal Group 7 =									\$0	\$998,435,594	\$80,588,854	\$229,425,750	\$0	\$90,225,930	\$1,398,676,128	\$649,104,013			
Group 8 - Application is Incomplete																			
C0	No	8272-110	1	Arcata, City of	City of Arcata Wastewater Treatment Compliance Project	CA0022713	PTOW		\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
C0	No	8389-110	1	Dorris, City of	City of Dorris Wastewater Collection System and Lift Station Improvements	DWQ-2006-0004	POTW		\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
C0	No	8405-110	1	Forestville Water District	Wastewater Upgrades	R1-2012-0012	POTW		\$0	\$686,351	\$0	\$0	\$0	\$0	\$2,059,054	\$2,745,405	\$0		
C0	No	8335-110	1	Graton Community Services District	Graton CSD Sewer	R1-2012-0016	POTW		\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
C0	No	8309-110	1	Hoopa Valley Public Utilities District	Agency Sewage Treatment System	N/A	POTW		\$0	\$0	\$0	\$0	\$0	\$0	\$387,200	\$387,200	\$0		

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C0	No	8373-110	1	Laytonville County Water District	Laytonville Wastewater Project	N/A	POTW		\$0	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$0		
C0	No	7851-210	1	Newell County Water District	Newell Wastewater System Renovation	R5-1997-0093	POTW		\$0	\$0	\$0	\$0	\$0	\$3,027,034	\$3,027,034	\$0		
D0	No	5924-110	1	Orick Community Services District	Orick Wastewater System Project	N/A	POTW		\$0	\$0	\$0	\$0	\$0	\$375,100	\$375,100	\$0		
C0	No	8411-110	5	Big Sandy Rancheria of Western Mono Indians of California	Big Sandy Rancheria Wastewater System Installation and Improvements	N/A	POTW		\$0	\$0	\$0	\$0	\$0	\$320,000	\$320,000	\$0		
C0	No	8400-110	5	Chester Public Utility District	Chester Public Utility District	R5-2016-0004	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
C0	No	8193-210	5	City of Parlier	WWTP Improvements Project	R5-1995-0103	POTW		\$0	\$2,008,250	\$0	\$0	\$0	\$6,024,750	\$8,033,000	\$0		
C0	No	7896-310	5	Colusa, City of	Collection System Improvements Project	CA0078999	PTOW		\$0	\$2,800,000	\$0	\$0	\$0	\$2,000,000	\$4,800,000	\$0		
C0	No	8109-210	5	Groveland Community Services District	Downtown Groveland and Big Oak Flat Sewer Collection System Improvements	DWQ-2006-0003	POTW		\$0	\$681,634	\$0	\$0	\$0	\$1,819,900	\$2,501,534	\$0		
D1	No	8358-110	5	Gustine, City of	Water Meter Replacement Project	R5-1998-0039	POTW		\$0	\$0	\$0	\$0	\$0	\$1,600,000	\$1,600,000	\$0		
C0	No	7886-110	5	Isleton, City of	Wastewater Treatment System Improvements Project	R5-1990-0186	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
C0	No	8359-110	5	Kettleman City Community Services District	Kettleman City Waste Water Improvement Project	R5-1979-0143	POTW		\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0		
A0	No	8367-110	5	Lanare Community Services District	Lanare Wastewater Collection, Treatment, and Disposal Project	N/A	POTW		\$0	\$0	\$0	\$0	\$0	\$370,000	\$370,000	\$0		
D0	No	7211-210	5	Madera, County of	Fairmead Septic to Sewer Project	Pending	PTOW		\$0	\$4,000,000	\$0	\$0	\$0	\$8,000,000	\$12,000,000	\$0		

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C2	No	7835-210	5	Poplar Community Service District	Wastewater Treatment and Disposal Facilities Improvement Project	Pending	PTOW			\$0	\$0	\$0	\$0	\$0	\$4,000,000	\$4,000,000	\$0		
C4	No	8135-210	5	Riverdale Public Utility District	Wastewater Treatment Plant Improvement Project	R5-1985-0252	POTW			\$0	\$5,160,000	\$0	\$0	\$0	\$5,500,000	\$10,660,000	\$0		
C2	No	8397-110	5	Sacramento Area Sewer District	Freeport Septic Conversion Project	DWQ-2006-0003	POTW			\$0	\$0	\$0	\$0	\$0	\$2,970,218	\$2,970,218	\$0		
C0	No	8247-210	5	Tuolumne City Sanitary District	TCSD WWTP Improvement Project	R5-1995-0129	POTW			\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$0		
C0	No	8281-210	5	Tuolumne City Sanitary District	TCSD Collection System Project	R5-1995-0130	POTW			\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000	\$0		
C0	No	8401-110	5	Waterford, City of	City of Waterford Wastewater Treatment Plant Improvement Project	R5-1994-0273	POTW			\$0	\$0	\$0	\$0	\$0	\$140,000	\$140,000	\$0		
C0	No	7878-210	5	Woodlake, City of	The City of Woodlake Sewer Improvements	R5-2009-0103	POTW			\$0	\$0	\$0	\$0	\$0	\$5,500,000	\$5,500,000	\$0		
C0	No	8313-110	6	Herlong Public Utility District	West Patton Collection System Project	R6-2016-0036	POTW			\$0	\$656,146	\$0	\$0	\$0	\$1,968,437	\$2,624,583	\$0		
D0	No	8199-110	7	Borrego Water District	Wastewater Treatment Plant Upgrade	R7-2007-0053	POTW			\$0	\$0	\$0	\$0	\$0	\$280,000	\$280,000	\$0		
C1	No	8326-110	7	Coachella, City of	Mesquite Septic-to-Sewer Project	R7-2015-0003	POTW			\$0	\$231,250	\$0	\$0	\$0	\$693,750	\$925,000	\$0		
C0	No	8407-110	7	Niland Sanitary District	2016 Wastewater Treatment Improvement Project	R7-2014-0001	POTW			\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$2,500,000	\$0		
Subtotal Group 8 =										\$0	\$16,223,631	\$0	\$0	\$0	\$60,785,443	\$77,009,074	\$0		
Total All										\$57,000,000	\$1,274,983,787	\$102,568,205	\$308,415,171	\$14,465,870	\$192,348,026	\$1,949,781,059	\$906,028,417		

Notes:

- (1) POTW= Publicly-owned treatment works projects per CWA Section 212; EXP= Expanded use projects per Clean Water Act (CWA) Section 319 or 320; AUDIT= Water Energy Audit project
 - (2) Principal forgiveness funds are proposed for projects that meet the criteria in Table 4.d of the June 2018 IUP. Selected projects to be determined during project review period.
 - (3) Preliminary estimate based on draft funding criteria, available information regarding project costs, wastewater rates, etc. Subject to change. Will be finalized based on updated information at the time of funding approval.
 - (4) Green Project Types: W= Water Efficiency; E = Energy Efficiency; I = Innovative.
 - (5) Project numbers are for administrative purposes only. DFA may assign or reassign project numbers as necessary to administer fiscally discrete but technically interrelated and interdependent phases of a project.
- New or reassigned project numbers for projects on a Project List approved by the Executive Director will be automatically added to the Project List without further action by the Executive Director.

APPENDIX C: CWSRF Project Financing Forecast for SFY 2018-19 – Comprehensive List

RB Recommendation	Compliance Order	Partial Funding	Local Match	Other funding Sources (WIFA, USDA, IRWM, etc.)	Class	Application Complete	Project Number	Region	Agency	Project Name	NPDES/WR Permit Number	Type ¹	Estimated Agreement Date	Estimated CWSRF Loan Funds SFY 2018/19	Estimated Principal Forgiveness (Cap Grant Funds Only) ²	Estimated Water Recycling Funding Program Loan ³	Estimated Water Recycling Funding Program Grant ⁴	Estimated Small Community Wastewater Grant ⁵	Estimated Total Financing
Group 1 - Financing Agreement Mailed to Applicant for Its Signature																			
	Yes	No	No	USDA	C1	Yes	7385-110	1	Fort Bragg, City of	Wastewater Treatment Plant Upgrade Project	CA0023078	POTW	3/15/2018	\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000
	No	No	No	N/A	C1	Yes	8250-110	2	Napa Sanitation District	Recycled Water Reservoir Improvements Project	CA0037575	POTW	3/1/2018	\$0	\$1,341,217	\$0	\$0	\$0	\$1,341,217
	No	No	No	N/A	C0	Yes	8378-110	5	Calaveras Unified School District	Wastewater Plant Upgrades (JLE and TMS)	R5-1997-0074	POTW	2/28/2018	\$0	\$0	\$0	\$0	\$323,000	\$323,000
	Yes	No	No	N/A	C0	Yes	8009-110	5	Grizzly Lake Community Services District	Delleker Wastewater Treatment Plant Improvements Planning Project	CA0081744	POTW	2/8/2018	\$0	\$0	\$0	\$0	\$500,000	\$500,000
	No	No	No	N/A	D3	Yes	8301-110	7	El Centro, City of	Energy Upgrades-City of El Centro Wastewater Treatment Plant	CA0104426	POTW	3/30/2018	\$0	\$1,663,161	\$0	\$0	\$0	\$1,663,161
	No	No	No	N/A	D1	Yes	8032-110	9	San Diego, City of	Pump Station 2 Power Reliability & Surge Protection Project	CA0107409	POTW	3/1/2018	\$70,000,000	\$0	\$0	\$0	\$0	\$70,000,000
Subtotal Group 1 =														\$70,000,000	\$3,004,378	\$0	\$0	\$6,823,000	\$79,827,378
Group 2 - Agreement Routing for Division Management Approval and Subsequent Mailing to Applicant																			
	Yes	No	No	USDA	C0	Yes	8048-210	1	Lewiston Community Services District	Wastewater Collection, Treatment and Disposal Project	R1-1997-0011	POTW	5/1/2018	\$0	\$0	\$0	\$0	\$15,560,300	\$15,560,300
	No	No	No	N/A	D3	Yes	8221-110	1	McKinleyville Community Services District	MCSD Wastewater System Energy Efficiency and Renewable Energy Project	CA0024490	POTW	6/1/2018	\$2,685,020	\$2,283,340	\$0	\$0	\$0	\$4,968,360
	No	No	No	N/A	C0	Yes	8184-120	3	Marina Coast Water District	Regional Urban Water Augmentation Project - Phase 2	DWQ-2009-0006	POTW	4/2/2018	\$5,719,791	\$0	\$2,021,012	\$3,698,779	\$0	\$11,439,582
	No	No	No	N/A	D1	Yes	7109-110	5	Fresno County Waterworks District 38	Wastewater Treatment Plant Improvements	R5-1997-0010	POTW	3/28/2018	\$599,420	\$130,580	\$0	\$0	\$0	\$730,000

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No	No	No	N/A	C2	Yes	8039-110	5	Murphys Sanitary District	Wastewater Treatment Plant Upgrade Project	R5-2000-0264	POTW	5/30/2018	\$1,003,397	\$0	\$0	\$0	\$3,010,192	\$4,013,589
No	No	No	N/A	C0	Yes	8375-110	5	San Andreas Sanitary District	SASD Collection System Improvements Planning	DWQ-2006-0004	POTW	3/30/2018	\$0	\$0	\$0	\$0	\$220,000	\$220,000
No	No	No	N/A	C2	Yes	8253-110	5	Yuba City, City of	Water Smart Meter Replacement - GPR Funding	CA0079260	POTW	3/30/2018	\$4,000,000	\$4,000,000	\$0	\$0	\$0	\$8,000,000
No	No	No	N/A	D6	Yes	8165-110	8	Eastern Municipal Water District	Alessandro Pond Optimization Project	CA8000188	POTW	5/1/2018	\$0	\$795,400	\$0	\$0	\$0	\$795,400
Subtotal Group 2 =													\$14,007,628	\$7,209,320	\$2,021,012	\$3,698,779	\$18,790,492	\$45,727,231
Group 3 - Staff Has Completed Review of 4 Application Packages and Legal Consultation Is In Process																		
No	No	No	N/A	C0	Yes	7767-210	5	Stratford Public Utility District	Wastewater Facilities Improvement Project	R5-1982-0068	POTW	6/29/2018	\$1,067,850	\$0	\$0	\$0	\$5,500,250	\$6,568,100
No	No	No	N/A	D2	Yes	8324-110	6	Running Springs Water District	Automatic Meter Reading (AMR) Technology Upgrade	R8-1987-0008	POTW	4/15/2018	\$400,000	\$400,000	\$0	\$0	\$0	\$800,000
No	No	No	N/A	D3	Yes	8338-110	8	Elsinore Valley Municipal Water District	Regional Water Reclamation Facility SCADA Implementation	CA8000027	POTW	4/15/2018	\$2,164,404	\$2,164,403	\$0	\$0	\$0	\$4,328,807
Subtotal Group 3 =													\$3,632,254	\$2,564,403	\$0	\$0	\$5,500,250	\$11,696,907
Group 4 - Staff Has Completed Review of 4 Application Packages but Legal Consultation Has Not Started																		
No	No	No	N/A	C1	Yes	8186-110	8	Eastern Municipal Water District	Temecula Valley Recycled Water Pipeline Project	CA8000188	POTW	5/15/2018	\$0	\$0	\$0	\$5,005,000	\$0	\$5,005,000
Subtotal Group 4 =													\$0	\$0	\$0	\$5,005,000	\$0	\$5,005,000
Group 5 - Staff Has Not Completed Review of 4 Application Packages but Legal Consultation Is Completed																		
No	No	No	N/A	C0	Yes	8266-110	2	Dublin San Ramon Services District-East Bay MUD Recycled Water Authority	DERWA Recycled Water Treatment Facility Phase 2	Pending	POTW	5/15/2018	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
Yes	No	No	USDA	C0	Yes	8174-210	5	Mt. Shasta, City of	State Mandated Wastewater Treatment and Disposal Improvement Project	R5-2017-0117	POTW	5/30/2018	\$1,336,930	\$0	\$0	\$0	\$5,800,161	\$7,137,091
Subtotal Group 5 =													\$1,336,930	\$2,500,000	\$0	\$0	\$5,800,161	\$9,637,091
Group 6 - Staff Has Not Completed Review of 4 Application Packages and Legal Consultation Is In Process																		
No	No	No	N/A	C5	Yes	8029-110	3	San Luis Obispo, City of	San Luis Obispo Water Resource Recovery Facility Expansion and Improvements Project	CA0049224	POTW	7/2/2018	\$136,000,000	\$4,000,000	\$0	\$0	\$0	\$140,000,000

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No	No	Yes	CBI	C2		8134-110	3	Santa Cruz County Sanitation District	Soquel Pump Station Force Main Replacement	DWQ-2008-0002	POTW	6/30/2018	\$4,000,000	\$0	\$0	\$0	\$0	\$4,000,000
No	No	No	N/A	D4	Yes	8268-110	5	Selma-Kingsburg-Fowler County Sanitation District	McCall Avenue Sewer R&R	R5-2001-0255	POTW	6/15/2018	\$6,643,000	\$0	\$0	\$0	\$0	\$6,643,000
Yes	No	No	N/A	C4	Yes	8085-210	5	Shasta, County of	CSA 17 Wastewater Treatment Plant Improvement Project	CA0081507	POTW	6/1/2018	\$1,474,250	\$0	\$0	\$0	\$4,422,750	\$5,897,000
No	No	No	N/A	C3	Yes	8237-110	5	Turlock, City of	North Valley Recycled Water Program	CA0085316	POTW	6/15/2018	\$17,230,500	\$2,500,000	\$19,730,500	\$0	\$0	\$39,461,000
No	No	No	N/A	C2	Yes	8106-110	8	East Valley Water District	Sterling Natural Resource Center	Pending	POTW	6/15/2018	\$63,000,000	\$0	\$57,237,909	\$5,762,091	\$0	\$126,000,000
Subtotal Group 6 =													\$228,347,750	\$6,500,000	\$76,968,409	\$5,762,091	\$4,422,750	\$322,001,000
Group 7 - Staff Has Not Completed Review of 4 Application Packages and Legal Consultation Has Not Started																		
No	No	No	N/A	C6	Yes	8127-110	1	Arcata, City of	Inflow and Infiltration Reduction Project Phase 5	CA0022713	PTOW		\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000
No	No	No	N/A	C0	Yes	8159-210	1	City of Weed	Sewer Replacement Project	R1-1996-0070	POTW		\$0	\$0	\$0	\$0	\$5,500,000	\$5,500,000
No	No	No	N/A	C0	Yes	8404-110	1	Manila Community Services District	Manila CSD Wastewater Infrastructure Improvement Project	R1-1995-0002	POTW		\$0	\$0	\$0	\$0	\$355,000	\$355,000
No	No	No	N/A	C0	No	8403-110	1	Rio Dell, City of	Rio Dell Sanitary Sewer Evaluation Study	CA0021161	PTOW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
Yes	No	No	N/A	C0	Yes	8387-110	1	Russian River County Sanitation District	Headworks and Lift Stations Condition Assessment Project	R1-2016-0022	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
Yes	No	No	N/A	C0	Yes	8390-110	1	Russian River County Sanitation District	Russian River Sanitation District Force Main System Project	R1-2016-0022	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
No	No	No	N/A	C0	No	8332-110	1	Tolowa Dee-ni Nation	Smith River Wastewater System Improvement Planning Study	R1-2009-0090	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
No	No	Yes	N/A	D1	Yes	8238-110	2	Burbank Sanitary District	Scott Street and Backyard Easements Sanitary Sewer Rehabilitation Project	CA0055531	POTW		\$1,950,000	\$0	\$0	\$0	\$0	\$1,950,000
No	No	Yes	N/A	C1	Yes	8356-110	2	East Bay Municipal Utility District	South Interceptor 3rd Street Rehabilitation Project Phase 2	CA0037702	POTW		\$27,301,000	\$0	\$0	\$0	\$0	\$27,301,000
Yes	No	Yes	N/A	D1	Yes	8244-110	2	Napa Sanitation District	Browns Valley Road Sewer Interceptor and West Napa Pump Station Improvements	CA0037575	POTW		\$16,000,000	\$4,000,000	\$0	\$0	\$0	\$20,000,000

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Yes	Yes	No	No	N/A	C4	Yes	8258-110	2	Richmond, City of	Wastewater Treatment Plant Critical Improvements Project	CA0038539	POTW	\$28,700,000	\$0	\$0	\$0	\$0	\$28,700,000
No	No	Yes	N/A	C0	Yes	8371-110	2	San Francisco, Public Utilities Commission of the City & County of	CWWSIPTPOP03 OSP Digester Gas Utilization Upgrade	CA0037681	POTW	\$35,687,969	\$4,000,000	\$0	\$0	\$0	\$0	\$39,687,969
No	Yes	Yes	N/A	C3	Yes	8286-110	2	San Francisco, Public Utilities Commission of the City & County of	CWWSIPSE02 SEP New Headworks (Grit) Replacement	CA0037664	POTW	\$358,630,542	\$0	\$0	\$0	\$0	\$0	\$358,630,542
No	Yes	Yes	WIFIA	C3	Yes	8372-110	2	San Francisco, Public Utilities Commission of the City & County of	CWWSIPDP01 SEP Biosolids Digester Facilities Project (BDFP)	CA0037664	POTW	\$640,000,000	\$4,000,000	\$0	\$0	\$0	\$0	\$644,000,000
No	Yes	No	N/A	D1	Yes	8264-310	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - Menlo Park Pump Station Rehabilitation	CA0038369	POTW	\$25,000,000	\$0	\$0	\$0	\$0	\$0	\$25,000,000
No	Yes	No	N/A	D1	Yes	8264-410	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - Redwood City Pump Station Rehabilitation	CA0038369	POTW	\$28,000,000	\$0	\$0	\$0	\$0	\$0	\$28,000,000
No	Yes	No	N/A	D1	Yes	8264-510	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - Blemont Pipeline Rehabilitation	CA0038369	POTW	\$3,044,774	\$0	\$0	\$0	\$0	\$0	\$3,044,774
No	Yes	No	N/A	D1	Yes	8264-610	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - Belmont Pump Station Rehabilitation	CA0038369	POTW	\$11,045,292	\$0	\$0	\$0	\$0	\$0	\$11,045,292
No	Yes	No	N/A	D1	Yes	8264-110	2	Silicon Valley Clean Water	Conveyance & Treatment Reliability Improvements Project - Tunnel and Gravity Pipeline (includes San Carlos Odor Control Facility)	CA0038369	POTW	\$220,000,000	\$0	\$0	\$0	\$0	\$0	\$220,000,000
No	Yes	No	N/A	D1	Yes	8264-210	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - Front of Plant - Receiving Lift Station, Headworks, Influent Connector Pipe, Front of Plant Civil Site Work	CA0038369	POTW	\$119,000,000	\$0	\$0	\$0	\$0	\$0	\$119,000,000
No	Yes	No	N/A	D1	Yes	8264-710	2	Silicon Valley Clean Water	Conveyance and Treatment Reliability Improvements Project - San Carlos Pump Station Demo	CA0038369	POTW	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000

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Yes	Yes	Yes	Yes	N/A	C2	Yes	8033-110	2	South San Francisco, City of	South San Fran/San Bruno Water Quality Control Plant Wet Weather & Digester Project	CA0038130	POTW		\$49,403,000	\$4,000,000	\$0	\$0	\$0	\$53,403,000
No	No	No	No	N/A	C0	No	8370-110	3	Moss Landing Community Services District	Moss Landing Wastewater upgrades	Pending	PTOW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
Yes	Yes	Yes	Yes	N/A	C1	Yes	8154-110	4	Los Angeles County Sanitation District No. 2	Carson JWPCP - Effluent Outfall Tunnel Project	CA0053813	POTW		\$636,150,000	\$0	\$0	\$0	\$0	\$636,150,000
No	Yes	No	No	N/A	C2	Yes	8063-110	4	Los Angeles, City of	DCTWRP Advanced Water Purification Facility	R4-2007-0009	POTW		\$225,500,000	\$0	\$0	\$0	\$0	\$225,500,000
Yes	No	No	No	N/A	C1	Yes	8125-110	4	Palmdale Recycled Water Authority	Recycled Water Line Phase 2	R6-2012-0002	POTW		\$1,250,000	\$2,500,000	\$3,750,000	\$0	\$0	\$7,500,000
No	No	No	No	N/A	C2	Yes	8137-110	4	Pasadena, City of	Pasadena Non-Potable Water Project	CA0053953	POTW		\$13,342,500	\$2,500,000	\$0	\$0	\$0	\$15,842,500
Yes	Yes	No	Yes	N/A	C3	Yes	8156-110	4	Santa Clarita Valley Sanitation District	Santa Clarita Valley San Dist Microfiltration/RO	CA0054216	POTW		\$52,001,000	\$4,000,000	\$0	\$0	\$0	\$56,001,000
Yes	No	Yes	No	N/A	C4	Yes	8035-110	4	Santa Clarita Valley Sanitation District	Santa Clarita Valley Sanitation District UV Project (Phase 1)	CA0054216	POTW		\$16,064,676	\$4,000,000	\$0	\$0	\$0	\$20,064,676
No	No	No	No	USDA	C0	Yes	8160-210	5	American Valley Community Services District	Quincy-East Quincy Wastewater Treatment Plant Improvements	R5-2016-0049	POTW		\$0	\$0	\$0	\$0	\$10,902,000	\$10,902,000
No	No	No	No	N/A	E0	Yes	8392-110	5	Avenal, City of	Solar Photovoltaic System at WWTF	R5-2000-0231	POTW		\$0	\$0	\$0	\$0	\$4,815,000	\$4,815,000
No	No	Yes	No	N/A	C1	Yes	8095-110	5	Brentwood, City of	Wastewater Treatment Plant Expansion - Phase II	CA0082660	POTW		\$56,217,000	\$3,086,000	\$0	\$0	\$0	\$59,303,000
No	No	No	No	N/A	C2	Yes	8108-310	5	Burney Water District	Burney Water District Collection System Improvement Project	R5-2017-0050	POTW		\$0	\$0	\$0	\$0	\$1,750,000	\$1,750,000
No	No	No	No	N/A	C2	Yes	8108-210	5	Burney Water District	Burney Water District Wastewater Treatment Plant Improvement Project	R5-2017-0050	POTW		\$277,100	\$0	\$0	\$0	\$5,810,899	\$6,087,999
No	No	No	No	N/A	C0	Yes	7659-110	5	County of Kern	South Shafter Sewer Project	R5-2009-0088	POTW		\$0	\$0	\$0	\$0	\$10,177,553	\$10,177,553
No	No	No	No	N/A	C0	Yes	8124-210	5	Firebaugh, City of	Wastewater Treatment Plant Improvements	R5-1998-0230	POTW		\$1,714,500	\$0	\$0	\$0	\$5,143,500	\$6,858,000
Yes	No	No	No	N/A	C0	Yes	8052-210	5	Housing Authority of the County of San Joaquin	Housing Authority Thornton Wastewater Improvements	R5-1994-0101	POTW		\$0	\$0	\$0	\$0	\$4,727,500	\$4,727,500

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No	No	No	N/A	C0	Yes	8093-210	5	Huron, City of	Recycled Water Improvements at WWTF	R5-2014-0163	POTW	\$391,072	\$0	\$0	\$0	\$5,677,478	\$6,068,550
No	Yes	Yes	Edison Electric	C3	Yes	8097-110	5	Kern-Tulare Water District	Kern-Tulare Water District Oil Field Water Reuse Project	R5-1998-205	POTW	\$444,475	\$2,500,000	\$2,944,475	\$0	\$0	\$5,888,950
No	No	No	N/A	E1	Yes	7887-210	5	Live Oak, City of	WWTP Solar Installation	CA0079022	PTOW	\$0	\$0	\$0	\$0	\$2,240,000	\$2,240,000
No	No	No	N/A	C0	No	8369-110	5	Madera, County of	Madera CSA No. 3 - Parkdale Sewer Project	Pending	PTOW	\$0	\$0	\$0	\$0	\$500,000	\$500,000
No	No	No	N/A	C3	Yes	8276-110	5	McFarland, City of	City of McFarland Wastewater Treatment Plant Expansion	R5-2008-0072	POTW	\$6,000,000	\$0	\$0	\$0	\$6,000,000	\$12,000,000
No	No	No	N/A	C0	Yes	8412-110	5	Monterey Park Tract Community Services District	Monterey Park Tract Community Services District Sewer Project	Pending	POTW	\$0	\$0	\$0	\$0	\$500,000	\$500,000
No	No	No	USDA	C2	Yes	8230-210	5	Mt. Shasta, City of	Downtown Collection System Improvements Project	R5-2017-0117	POTW	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000
No	No	No	N/A	B1	Yes	5039-110	5	Orange Cove, City of	Orange Cove WWTP Tertiary Treatment & Recycled Water Project	R5-2004-0008	POTW	\$1,300,000	\$0	\$0	\$0	\$6,000,000	\$7,300,000
Yes	Yes	No	No	N/A	C1	Yes	8142-110	Patterson, City of	Wastewater Treatment Plant Expansion Phase III	R5-2007-0147	POTW	\$1,520,617	\$464,119	\$0	\$0	\$0	\$1,984,736
No	No	No	N/A	C4	Yes	8215-110	5	Roseville, City of	Pleasant Grove Wastewater Treatment Plant Expansion and Energy Recovery Project	R5-2014-0051	POTW	\$114,311,668	\$4,000,000	\$0	\$0	\$0	\$118,311,668
No	No	No	N/A	C4	Yes	8085-310	5	Shasta, County of	CSA 17 Collection System Improvement Project	DWQ-2006-0003	POTW	\$709,000	\$0	\$0	\$0	\$2,127,000	\$2,836,000
No	No	No	N/A	C1	Yes	8102-110	6	Palmdale Water District	Palmdale Regional Groundwater Recharge and Recovery Project	DWQ-2014-0090	POTW	\$26,200,000	\$2,500,000	\$28,700,000	\$0	\$0	\$57,400,000
No	No	No	N/A	D6	Yes	8083-110	6	Victor Valley Wastewater Rec Authority	Oro Grande Interceptor Replacement Project	CA0102822	POTW	\$5,700,000	\$0	\$0	\$0	\$0	\$5,700,000
Yes	No	No	N/A	A0	Yes	7860-110	7	Hi-Desert Water District	Septic System Abatement & Private Lateral Installation	R7-2015-0043	POTW	\$37,200,000	\$0	\$0	\$0	\$8,000,000	\$45,200,000
No	No	Yes	N/A	C2	Yes	8167-120	8	Jurupa Community Services District	Joint IEUA - JCSD Regional Water Recycling Program	CA8000316	POTW	\$7,730,000	\$2,500,000	\$10,230,000	\$0	\$0	\$20,460,000
No	No	No	N/A	C0	Yes	8343-110	8	City of Colton	Colton Wastewater Systems Upgrade Planning Project	CA0105236	POTW	\$6,400,000	\$500,000	\$0	\$0	\$0	\$6,900,000
No	No	No	USBR	C2	Yes	8364-110	8	Eastern Municipal Water District	Automated Metering Infrastructure Replacement	CA8000188	POTW	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000

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No	No	No	N/A	E1	Yes	8357-110	8	Eastern Municipal Water District	Water Treatment Facilities Lighting Retrofit	CA8000188	POTW	\$0	\$736,235	\$0	\$0	\$0	\$736,235	
No	No	No	N/A	C3	Yes	8336-110	8	Elsinore Valley Municipal Water District	Regional Water Reclamation Facility Upgrades	CA8000027	POTW	\$16,660,000	\$4,000,000	\$0	\$0	\$0	\$20,660,000	
No	No	Yes	N/A	C2	Yes	8235-110	8	Inland Empire Utilities Agency	2015 Drought Relief - RP-1158 Recycled Water Pump Station Upgrades	CA01015279	POTW	\$0	\$2,000,000	\$2,000,000	\$0	\$0	\$4,000,000	
No	No	Yes	N/A	C2	Yes	8235-130	8	Inland Empire Utilities Agency	2015 Drought Relief - Recycled Water Pressure Sustaining Valve Installation	CA01015279	POTW	\$0	\$425,000	\$425,000	\$0	\$0	\$850,000	
No	No	Yes	N/A	C2	Yes	8235-140	8	Inland Empire Utilities Agency	2015 Drought Relief - RP-1 Parallel Outfall Pipeline	CA01015279	POTW	\$350,000	\$2,500,000	\$2,850,000	\$0	\$0	\$5,700,000	
No	No	Yes	N/A	C2	Yes	8235-150	8	Inland Empire Utilities Agency	2015 Drought Relief - Baseline Extension Project	CA01015279	POTW	\$208,709	\$2,500,000	\$2,708,708	\$0	\$0	\$5,417,417	
No	No	Yes	N/A	C2	Yes	8236-110	8	Inland Empire Utilities Agency	City of Ontario Recycled Water Distribution System Project	CA01015279	POTW	\$8,819,541	\$2,500,000	\$11,319,542	\$0	\$0	\$22,639,083	
No	No	Yes	N/A	C2	Yes	8235-120	8	Inland Empire Utilities Agency	2015 Drought Relief - RP-5 Recycled Water Pipeline Bottleneck	CA01015279	POTW	\$0	\$1,377,500	\$1,377,500	\$0	\$0	\$2,755,000	
No	No	Yes	N/A	C2	Yes	8167-110	8	Inland Empire Utilities Agency	Joint IELJA - JCSD Regional Water Recycling Program Phase I	CA8000316	POTW	\$13,500,000	\$2,500,000	\$16,000,000	\$0	\$0	\$32,000,000	
Yes	No	Yes	Yes	WIFIA	D2	Yes	8290-110	8	Orange County Water District	Groundwater Replenishment System Final Expansion	Pending	POTW	\$0	\$0	\$114,700,000	\$0	\$0	\$114,700,000
No	No	Yes	N/A	C2	Yes	8307-110	8	Orange County Water District	Water Production Flow Enhancement Project	Pending	POTW	\$9,200,000	\$2,500,000	\$11,700,000	\$0	\$0	\$23,400,000	
No	No	No	N/A	C4	Yes	8162-110	8	Yucaipa Valley Water District	Calimesa Recycled Water Conveyance Project	CA0105619	POTW	\$620,525	\$2,500,000	\$3,120,525	\$0	\$0	\$6,241,050	
Yes	No	No	No	IRWM	C3	Yes	8059-110	9	Escondido, City of	Recycled Water Easterly Agricultural Reverse Osmosis Facility and Pump Station	R9-2010-0032	POTW	\$12,000,000	\$2,500,000	\$14,500,000	\$0	\$0	\$29,000,000
Yes	No	No	N/A	D2	Yes	8299-110	9	Otay Water District	Campo Road Sewer Replacement	R9-2007-0038	POTW	\$7,750,000	\$0	\$0	\$0	\$0	\$7,750,000	
No	No	No	N/A	D1	Yes	8277-110	9	San Diego, City of	Advanced Metering Infrastructure (AMI) Project	CA0107409	POTW	\$38,032,242	\$4,000,000	\$0	\$0	\$0	\$42,032,242	
Yes	Yes	No	Yes	N/A	C5	Yes	8196-110	9	San Elijo Joint Powers Authority	SEJPA Recycled Water Phase II Project	CA0107999	POTW	\$600,000	\$2,500,000	\$3,100,000	\$0	\$0	\$6,200,000
Subtotal Group 7 =												\$2,887,927,202	\$81,088,854	\$229,425,750	\$0	\$90,225,930	\$3,288,667,736	

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Group 8 - Application is Incomplete																			
	No	No	No	N/A	C0	No	8272-110	1	Arcata, City of	City of Arcata Wastewater Treatment Compliance Project	CA0022713	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
	No	No	No	N/A	C0	No	8389-110	1	Dorris, City of	City of Dorris Wastewater Collection System and Lift Station Improvements	DWQ-2006-0004	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
	Yes	No	No	N/A	C0	No	8405-110	1	Forestville Water District	Wastewater Upgrades	R1-2012-0012	POTW		\$686,351	\$0	\$0	\$0	\$2,059,054	\$2,745,405
	No	No	No	N/A	C0	No	8335-110	1	Graton Community Services District	Graton CSD Sewer	R1-2012-0016	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
	No	No	No	N/A	C0	No	8309-110	1	Hoopa Valley Public Utilities District	Agency Sewage Treatment System	N/A	POTW		\$0	\$0	\$0	\$0	\$387,200	\$387,200
	No	No	No	N/A	C0	No	8373-110	1	Laytonville County Water District	Laytonville Wastewater Project	N/A	POTW		\$0	\$0	\$0	\$0	\$250,000	\$250,000
	No	No	No	N/A	C0	No	7851-210	1	Newell County Water District	Newell Wastewater System Renovation	R5-1997-0093	POTW		\$0	\$0	\$0	\$0	\$3,027,034	\$3,027,034
	No	No	No	N/A	D0	No	5924-110	1	Orick Community Services District	Orick Wastewater System Project	N/A	POTW		\$0	\$0	\$0	\$0	\$375,100	\$375,100
	No	Yes	No	N/A	D3	No	8261-110	1	Redwood Forest Partners	North Coast Redwoods and Watersheds Conservation Project	N/A	EXP		\$180,000,000	\$0	\$0	\$0	\$0	\$180,000,000
	Yes	No	No	N/A	C3	No	8158-110	2	Benicia, City of	Benicia Water Reuse Project	CA0038091	POTW		\$27,101,543	\$0	\$0	\$0	\$0	\$27,101,543
	Yes	No	No	N/A	D2	No	8295-110	2	Marin County, Sanitary District No. 1 of	Pump Stations 12 and 13	DWQ-2006-0003	POTW		\$7,662,400	\$0	\$0	\$0	\$0	\$7,662,400
	No	No	No	N/A	C2	No	8257-110	2	North Marin Water District	Radio Read Meter Retrofit (AMI)	Pending	POTW		\$5,333,352	\$0	\$0	\$0	\$0	\$5,333,352
	No	No	No	N/A	D5	No	8300-110	2	Novato Sanitary District	Novato CoGeneration Project	R2-2015-0034	POTW		\$4,036,500	\$0	\$0	\$0	\$0	\$4,036,500
	No	No	Yes	N/A	D4	No	8377-110	2	Palo Alto, City of	Regional Water Quality Control Plant Discharge Infrastructure Improvements	R2-2014-0024	POTW		\$11,760,000	\$0	\$0	\$0	\$0	\$11,760,000
	No	No	Yes	N/A	C3	No	8381-110	2	Palo Alto, City of	Palo Alto Recycled Water Pipeline Project	R2-2014-0024	POTW		\$46,177,054	\$2,500,000	\$0	\$0	\$0	\$48,677,054
	Yes	No	No	N/A	D3	No	8259-110	2	Richmond, City of	Sanitary Sewer Wet Weather Capacity Project	CA0038539	POTW		\$12,728,000	\$0	\$0	\$0	\$0	\$12,728,000

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No	Yes	No	N/A	C4	No	8141-110	2	San Jose, City of	San Jose-Santa Clara Regional Wastewater Facility Cogeneration Facility	CA0037842	POTW	\$74,208,000	\$0	\$0	\$0	\$0	\$74,208,000
No	No	No	N/A	C0	No	7814-110	2	San Mateo County Fair Oaks Sewer Maintenance District	Collection System Improvement Project	CA0038369	POTW	\$5,400,000	\$0	\$0	\$0	\$0	\$5,400,000
Yes	Yes	No	N/A	C4	No	8298-110	2	San Mateo, City of	The San Mateo Clean Water Program - Basin 1	CA0037541	POTW	\$39,000,000	\$0	\$0	\$0	\$0	\$39,000,000
Yes	Yes	No	N/A	C5	No	8297-110	2	San Mateo-Foster City Public Financing Authority	The San Mateo Clean Water Program - Wastewater Treatment Plant	CA0037541	POTW	\$440,000,000	\$0	\$0	\$0	\$0	\$440,000,000
No	No	Yes	N/A	C1	No	8148-110	2	Sewer Authority Mid-Coastside	Recycled Water Project Phase 1	Pending	POTW	\$4,260,000	\$0	\$0	\$0	\$0	\$4,260,000
No	Yes	No	N/A	C3	No	8416-110	2	Silicon Valley Clean Water	Solar Energy and Energy Storage	CA0038369	POTW	\$4,000,000	\$0	\$0	\$0	\$0	\$4,000,000
No	No	No	N/A	C2	No	8241-110	2	Silicon Valley Clean Water	Wastewater Treatment Plant Improvements - Phase 2	CA0038369	POTW	\$34,800,000	\$0	\$0	\$0	\$0	\$34,800,000
No	No	No	N/A	D1	No	8293-110	2	West County Wastewater District	WPCP and Collection System Improvements	CA0038539	POTW	\$52,567,000	\$0	\$0	\$0	\$0	\$52,567,000
Yes	No	No	N/A	C6	No	8123-110	3	Cambria Community Services District	Cambria CSD IPR Wastewater Effluent Quality Improvements	R3-2014-0050	POTW	\$2,218,775	\$0	\$2,218,775	\$0	\$0	\$4,437,550
No	No	No	N/A	C5	No	8224-110	3	Gonzales, City of	Natural Treatment and Reclamation at City of Gonzales WWTP	R3-2006-005	POTW	\$3,463,693	\$0	\$3,463,693	\$0	\$0	\$6,927,386
No	No	No	N/A	C4	No	8255-110	3	Pismo Beach, City of	Regional Groundwater Sustainability Project	CA0048151	POTW	\$16,841,000	\$0	\$16,841,000	\$0	\$0	\$33,682,000
No	No	No	N/A	C0	No	8399-110	3	San Miguel Sanitary District	San Miguel Wastewater Project	R3-1999-0046	POTW	\$0	\$0	\$0	\$0	\$250,000	\$250,000
No	No	No	N/A	D6	No	8078-110	3	Santa Barbara, City of	El Estero Wastewater Treatment Plant Biosolids Process Improvements	CA0048143	POTW	\$22,000,000	\$0	\$0	\$0	\$0	\$22,000,000
No	No	Yes	N/A	D2	No	8090-110	3	Santa Cruz County Sanitation District	Borregas Gulch Trunkline Replacement Project Phase I	R3-1995-0027	POTW	\$3,932,400	\$0	\$0	\$0	\$0	\$3,932,400
No	No	No	N/A	D1	No	8248-110	3	South San Luis Obispo County Sanitation District	Redundancy Project	CA0048003	POTW	\$19,040,000	\$0	\$0	\$0	\$0	\$19,040,000
No	No	No	N/A	C4	No	8354-110	4	Central Basin Municipal Water District	Gateway Cities Recycled Water System Expansion Project	Pending	POTW	\$4,165,700	\$2,500,000	\$6,665,700	\$0	\$0	\$13,331,400

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	No	No	No	N/A	C4	No	8340-110	4	Central Basin Municipal Water District	La Mirada Recycled Water Expansion Project	Pending	POTW		\$6,850,000	\$2,500,000	\$9,350,000	\$0	\$0	\$18,700,000
	No	No	Yes	N/A	C2	No	8170-110	4	Chino Basin Regional Financing Authority	City of Pomona, Monte Vista Water District & IEUA Recycled Water Interlie Project	CA0053619	POTW		\$23,448,000	\$2,500,000	\$25,948,000	\$0	\$0	\$51,896,000
Yes	No	No	No	N/A	D4	No	8398-110	4	Downey, City of	Green Street Project in Four Arterial Streets	N/A	EXP		\$5,789,248	\$4,000,000	\$0	\$0	\$0	\$9,789,248
	No	No	No	N/A	C1	No	8094-110	4	La Puente Valley County Water District	LPVCWD Recycled Water Project	CA0053911	POTW		\$715,438	\$2,500,000	\$3,215,438	\$0	\$0	\$6,430,876
	No	No	No	N/A	D2	No	8201-110	4	Las Virgenes Municipal Water District	AMR/AMI Implementation	Pending	POTW		\$5,404,855	\$4,000,000	\$0	\$0	\$0	\$9,404,855
	No	Yes	Yes	N/A	C2	No	8242-110	4	Los Angeles Department of Water and Power	Downtown Water Recycling Project	CA0053953	POTW		\$5,897,000	\$0	\$5,897,000	\$0	\$0	\$11,794,000
	No	Yes	No	N/A	C2	No	8081-110	4	Los Angeles, City of	Hyperion Treatment Plant Membrane Bioreactor Project	Pending	POTW		\$230,000,000	\$0	\$230,000,000	\$0	\$0	\$460,000,000
	No	No	No	N/A	C0	No	8320-110	4	Malibu, City of	Malibu Water and Energy Audit	N/A	AUDIT		\$0	\$35,000	\$0	\$0	\$0	\$35,000
	No	No	Yes	CEC	D1	No	8316-110	4	Sanitation Districts of Los Angeles County	Joint Water Pollution Control Plant Biogas Conditioning System	R4-2011-0151	POTW		\$3,275,000	\$2,000,000	\$0	\$0	\$0	\$5,275,000
Yes	No	No	No	N/A	C6	No	8100-110	4	Upper San Gabriel Valley Municipal Water District	Indirect Reuse Replenishment Project	CA0053911	POTW		\$32,500,000	\$0	\$32,500,000	\$0	\$0	\$65,000,000
	No	No	No	N/A	C2	No	8114-110	4	West Basin Municipal Water District	Recycled Water Supply for Palos Verdes Golf Course	CA0064246	POTW		\$3,654,200	\$0	\$3,654,200	\$0	\$0	\$7,308,400
	No	No	No	N/A	C0	No	8411-110	5	Big Sandy Rancheria of Western Mono Indians of California	Big Sandy Rancheria Wastewater System Installation and Improvements	N/A	POTW		\$0	\$0	\$0	\$0	\$320,000	\$320,000
	No	No	No	USBR	E3	No	8420-110	5	Browns Valley Irrigation District	Tennessee Ditch Canal Modernization and Hydroelectric Project	N/A	EXP		\$2,659,500	\$1,659,500	\$0	\$0	\$0	\$4,319,000
	No	No	No	N/A	C0	No	8400-110	5	Chester Public Utility District	Chester Public Utility District	R5-2016-0004	POTW		\$0	\$0	\$0	\$0	\$500,000	\$500,000
	No	No	No	N/A	C0	No	8193-210	5	City of Partier	WWTP Improvements Project	R5-1995-0103	POTW		\$2,008,250	\$0	\$0	\$0	\$6,024,750	\$8,033,000
	No	No	No	N/A	C0	No	7896-310	5	Colusa, City of	Collection System Improvements Project	CA0078999	PTOW		\$2,800,000	\$0	\$0	\$0	\$2,000,000	\$4,800,000

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No	No	No	N/A	C0	No	8334-110	5	Corning, City of	City of Corning Water Audit	N/A	AUDIT		\$0	\$17,000	\$0	\$0	\$0	\$17,000
No	No	No	N/A	C0	No	8368-110	5	Ferdale, City of	UV Energy Reduction	N/A	AUDIT		\$0	\$28,140	\$0	\$0	\$0	\$28,140
Yes	No	No	N/A	C0	No	8109-210	5	Groveland Community Services District	Downtown Groveland and Big Oak Flat Sewer Collection System Improvements	DWQ-2006-0003	POTW	\$681,634	\$0	\$0	\$0	\$1,819,900	\$2,501,534	
No	No	No	N/A	D1	No	8358-110	5	Gustine, City of	Water Meter Replacement Project	R5-1998-0039	POTW	\$0	\$0	\$0	\$0	\$1,600,000	\$1,600,000	
No	No	No	N/A	C1	No	8342-110	5	Hidden Valley Lake Community Services District	Hidden Valley Lake Community Services District water and energy conservation project	R5-2000-0019	POTW	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	
Yes	No	No	N/A	C0	No	7886-110	5	Isleton, City of	Wastewater Treatment System Improvements Project	R5-1990-0186	POTW	\$0	\$0	\$0	\$0	\$500,000	\$500,000	
No	No	No	N/A	C0	No	8359-110	5	Kettleman City Community Services District	Kettleman City Waste Water Improvement Project	R5-1979-0143	POTW	\$0	\$0	\$0	\$0	\$500,000	\$500,000	
No	No	No	N/A	A0	No	8367-110	5	Lanare Community Services District	Lanare Wastewater Collection, Treatment, and Disposal Project	N/A	POTW	\$0	\$0	\$0	\$0	\$370,000	\$370,000	
Yes	No	No	N/A	C5	No	8380-110	5	Lincoln, City of	Wastewater Treatment and Reclamation Facility (WWTRF) Phase 1 and Phase 2 Expansion Project	R5-2005-0040	POTW	\$44,525,000	\$0	\$0	\$0	\$0	\$44,525,000	
No	No	No	N/A	C0	No	8388-110	5	Linda County Water District	Wastewater Treatment Plant Water Audit Project	N/A	AUDIT	\$0	\$35,000	\$0	\$0	\$0	\$35,000	
No	No	No	N/A	D0	No	7211-210	5	Madera, County of	Fairmead Septic to Sewer Project	Pending	PTOW	\$4,000,000	\$0	\$0	\$0	\$8,000,000	\$12,000,000	
No	No	No	N/A	D2	No	8374-110	5	Placerville, City of	Solar Photovoltaic (PV) for the WWTP	CA0078956	POTW	\$1,650,000	\$1,650,000	\$0	\$0	\$0	\$3,300,000	
No	No	No	N/A	C2	No	7835-210	5	Poplar Community Service District	Wastewater Treatment and Disposal Facilities Improvement Project	Pending	PTOW	\$0	\$0	\$0	\$0	\$4,000,000	\$4,000,000	
No	No	No	N/A	C4	No	8135-210	5	Riverdale Public Utility District	Wastewater Treatment Plant Improvement Project	R5-1985-0252	POTW	\$5,160,000	\$0	\$0	\$0	\$5,500,000	\$10,660,000	
Yes	No	No	N/A	C2	No	8397-110	5	Sacramento Area Sewer District	Freeport Septic Conversion Project	DWQ-2006-0003	POTW	\$0	\$0	\$0	\$0	\$2,970,218	\$2,970,218	
No	No	No	N/A	C6	No	8291-110	5	Sacramento Regional County Sanitation District	South Sacramento County Agriculture & Habitat Lands Recycled Water Program	R5-2010-0114-03	POTW	\$234,406,000	\$0	\$0	\$0	\$0	\$234,406,000	

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No	No	No	N/A	C0	No	8247-210	5	Tuolumne City Sanitary District	TCSD WWTP Improvement Project	R5-1995-0129	POTW			\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000
No	No	No	N/A	C0	No	8281-210	5	Tuolumne City Sanitary District	TCSD Collection System Project	R5-1995-0130	POTW			\$0	\$0	\$0	\$0	\$6,000,000	\$6,000,000
No	No	No	N/A	C0	No	8401-110	5	Waterford, City of	City of Waterford Wastewater Treatment Plant Improvement Project	R5-1994-0273	POTW			\$0	\$0	\$0	\$0	\$140,000	\$140,000
Yes	No	No	N/A	C0	No	7878-210	5	Woodlake, City of	The City of Woodlake Sewer Improvements	R5-2009-0103	POTW			\$0	\$0	\$0	\$0	\$5,500,000	\$5,500,000
No	No	No	N/A	C3	No	8384-110	5	Woodland, City of	Spring Lake Recycled Water Project	R5-2014-0120	POTW			\$1,300,000	\$1,300,000	\$0	\$0	\$0	\$2,600,000
No	No	Yes	N/A	E0	No	8362-110	5	Yuba City, City of	Wastewater Treatment Facility Improvements 2017-18	CA0079260	POTW			\$22,800,000	\$0	\$0	\$0	\$0	\$22,800,000
No	No	No	N/A	C0	No	8313-110	6	Herlong Public Utility District	West Patton Collection System Project	R6-2016-0036	POTW			\$656,146	\$0	\$0	\$0	\$1,968,437	\$2,624,583
Yes	Yes	No	No	N/A	C5	8228-110	6	Ridgecrest, City of	New Wastewater Treatment Plant Project	R6-2000-0056	POTW			\$40,000,000	\$0	\$0	\$0	\$0	\$40,000,000
No	No	No	N/A	D0	No	8199-110	7	Borrego Water District	Wastewater Treatment Plant Upgrade	R7-2007-0053	POTW			\$0	\$0	\$0	\$0	\$280,000	\$280,000
Yes	No	No	No	N/A	C1	8379-110	7	Brawley, City of	City of Brawley Automated Water Meter Installation and Integration	Pending	POTW			\$8,852,994	\$0	\$0	\$0	\$0	\$8,852,994
Yes	No	No	No	N/A	C1	8326-110	7	Coachella, City of	Mequite Septic-to-Sewer Project	R7-2015-0003	POTW			\$231,250	\$0	\$0	\$0	\$693,750	\$925,000
No	No	No	N/A	C0	No	5303-110	7	Imperial County Department of Public Works	Country Club Sewer Maintenance District Repair Project	CAS000004	POTW			\$700,000	\$0	\$0	\$0	\$0	\$700,000
Yes	No	No	No	N/A	C3	8218-110	7	Mission Springs Water District	Regional Wastewater Program	R7-2014-0049	POTW			\$27,100,000	\$0	\$0	\$0	\$0	\$27,100,000
No	No	No	N/A	C0	No	8407-110	7	Niland Sanitary District	2016 Wastewater Treatment Improvement Project	R7-2014-0001	POTW			\$0	\$0	\$0	\$0	\$2,500,000	\$2,500,000
No	No	No	N/A	C3	No	8006-110	7	Pueblo Unido Community Development Corporation	St. Anthony's Mobile Home Park Future Sanitary and Lift Station	DWQ-2009-0009	POTW			\$1,875,000	\$0	\$0	\$0	\$0	\$1,875,000
No	No	Yes	N/A	E2	No	8414-110	8	Chino Basin Regional Financing Authority	Lower Day Basin Improvement Project	N/A	POTW			\$1,427,666	\$1,427,666	\$0	\$0	\$0	\$2,855,332
No	No	Yes	N/A	E2	No	8415-110	8	Chino Basin Regional Financing Authority	Montclair Basin Improvement Project	CA8000409	POTW			\$636,928	\$636,928	\$0	\$0	\$0	\$1,273,856

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No	No	No	N/A	C6	No	8251-110	8	Corona, City of	Corona Reclaimed Source Delivery Main (WRCRWA line)	DWQ-2014-0194	POTW	\$1,281,600	\$0	\$0	\$0	\$0	\$1,281,600
No	No	No	N/A	C4	No	8395-110	8	Hemet, City of	Automated Water Metering Infrastructure	R8-2010-0033	POTW	\$3,400,000	\$2,550,000	\$0	\$0	\$0	\$5,950,000
No	No	No	N/A	D4	No	8396-110	8	Hemet, City of	Sewer Main Replacement Project	R8-2010-0033	POTW	\$8,000,000	\$0	\$0	\$0	\$0	\$8,000,000
No	No	Yes	N/A	C3	No	8275-110	8	Inland Empire Utilities Agency	Carbon Canyon Water Recycling Facility Improvements	R8-2015-0036	POTW	\$27,370,000	\$0	\$0	\$0	\$0	\$27,370,000
No	No	Yes	N/A	D1	No	8282-110	8	Inland Empire Utilities Agency	RP-1 Flare System Improvement	N/A	POTW	\$7,000,000	\$0	\$0	\$0	\$0	\$7,000,000
No	No	Yes	N/A	C2	No	8287-110	8	Monte Vista Water District	Phase 2 Recycled Water Distribution System Expansion Project	CA8000409	POTW	\$1,629,977	\$1,629,977	\$0	\$0	\$0	\$3,259,954
No	No	Yes	N/A	C3	No	8273-110	8	Riverside, City of	Jackson Street Recycled Water Pipeline, Phases I and II	CA0105350	POTW	\$3,392,865	\$2,500,000	\$5,892,865	\$0	\$0	\$11,785,730
No	No	Yes	N/A	C3	No	8273-120	8	Riverside, City of	Jackson Street Recycled Water Pipeline, Phase II	CA0105350	POTW	\$2,250,000	\$2,500,000	\$4,750,000	\$0	\$0	\$9,500,000
Yes	No	No	No	N/A	C3	8194-110	8	San Bernardino, City of	Clean Water Factory	R8-2013-0032	POTW	\$248,780,000	\$0	\$0	\$0	\$0	\$248,780,000
No	No	No	N/A	C5	No	8321-110	8	Santa Ana, City of	Sewer Collection System Improvements	DWQ-2006-0003	POTW	\$9,500,000	\$0	\$0	\$0	\$0	\$9,500,000
No	No	No	N/A	C4	No	8322-110	8	Santa Ana, City of	San Lorenzo Sewer Lift Station	DWQ-2006-0003	POTW	\$4,000,000	\$0	\$0	\$0	\$0	\$4,000,000
Yes	no	No	No	N/A	C4	8112-110	9	Escondido, City of	Recycled Water Easterly Agriculture Distribution System	R9-2010-0032	POTW	\$1,075,000	\$1,075,000	\$2,150,000	\$0	\$0	\$4,300,000
Yes	No	No	N/A	C2	No	8394-110	9	La Mesa, City of	Parkway Drive and Alvarado Road Trunk Sewer Phase 3 Upgrade Project	R9-2007-0005	POTW	\$7,000,000	\$0	\$0	\$0	\$0	\$7,000,000
Yes	No	No	N/A	C4	No	8382-110	9	Laguna Beach, City of	Sewer System Replacement Project	DWQ-2006-0004	POTW	\$2,150,000	\$0	\$0	\$0	\$0	\$2,150,000
No	No	No	N/A	D5	No	8383-110	9	Laguna Beach, City of	Coastal Treatment Plant Facility Improvement Project	R9-2011-0022	POTW	\$6,250,000	\$0	\$0	\$0	\$0	\$6,250,000
No	No	No	N/A	C6	No	8319-110	9	Laguna Beach, City of	Coastal Treatment Plant Export Sludge Force Main	DWQ-2006-0003	POTW	\$1,743,253	\$0	\$0	\$0	\$0	\$1,743,253
Yes	No	Yes	No	WIFIA	C1	8419-110	9	San Diego, City of	Pure Water North City Morena Blvd Pump Station & Pipeline (Wastewater Portion)	CA0107409	POTW	\$260,000,000	\$0	\$0	\$0	\$0	\$260,000,000

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Yes	No	Yes	No	WIFIA	C1	No	8419-210	9	San Diego, City of	Pure Water North City Water Reclamation Plant Expansion	CA0107409	POTW		\$159,460,000	\$0	\$0	\$0	\$0	\$159,460,000
Yes	No	No	No	WIFIA	C1	No	8419-310	9	San Diego, City of	Pure Water North City Metropolitan BioSolids Center Improvements	CA0107409	POTW		\$40,460,000	\$0	\$0	\$0	\$0	\$40,460,000
Yes	No	No	No	WIFIA	C1	No	8419-410	9	San Diego, City of	Pure Water North City Water Reclamation Plant Expansion and Influent Conveyance	CA0107409	POTW		\$36,280,000	\$0	\$0	\$0	\$0	\$36,280,000
Yes	No	No	No	WIFIA	C1	No	8419-510	9	San Diego, City of	Pure Water North City Pure Water Pump Station	CA0107409	POTW		\$15,720,000	\$0	\$0	\$0	\$0	\$15,720,000
Yes	No	Yes	No	WIFIA	C1	No	8419-610	9	San Diego, City of	Pure Water North City Pure Water Pipeline	CA0107409	POTW		\$98,010,000	\$0	\$0	\$0	\$0	\$98,010,000
Yes	No	Yes	No	WIFIA	C1	No	8419-710	9	San Diego, City of	Pure Water North City Pure Water Facility	CA0107409	POTW		\$502,490,000	\$0	\$0	\$0	\$0	\$502,490,000
Yes	No	No	No	WIFIA	C1	No	8419-810	9	San Diego, City of	Pure Water North City Morena Blvd Pump Station & Pipeline (Water Portion)	CA0107409	POTW		\$37,420,000	\$0	\$0	\$0	\$0	\$37,420,000
	No	No	No	N/A	C0	No	7454-140	9	Valley Center Municipal Water District	Woods Valley Ranch Wastewater Expansion Project -North Village Collection System	R9-2015-0104	POTW		\$3,500,000	\$0	\$0	\$0	\$0	\$3,500,000
	No	No	No	N/A	C0	No	7454-150	9	Valley Center Municipal Water District	Woods Valley Ranch Wastewater Expansion Project -North Village Collection System Phase 2	R9-2015-0104	POTW		\$4,500,000	\$0	\$0	\$0	\$0	\$4,500,000
	No	No	No	N/A	E0	No	8402-110	5F	Pinedale County Water District	Pinedale County Water District Water Meter Project	DWQ-2006-0003	POTW		\$3,640,000	\$3,640,000	\$0	\$0	\$0	\$7,280,000
Yes	No	No	No	N/A	C2	No	8065-110	5S	Lake County Sanitation District	Middletown Wastewater Treatment Plant	R5-1997-0249	POTW		\$0	\$0	\$0	\$0	\$1,600,000	\$1,600,000
Yes	No	Yes	No	N/A	C2	No	8363-110	8	Beaumont, City of	Beaumont WWTP Expansion & Salt Mitigation Project	R8-2015-0026	POTW		\$108,647,000	\$0	\$0	\$0	\$0	\$108,647,000
	No	No	No	N/A	C0	No	8315-110	7	Coachella, City of	Coachella Sanitation District Energy Audit	N/A	AUDIT		\$0	\$35,000	\$0	\$0	\$0	\$35,000
Subtotal Group 8 =													\$3,349,335,572	\$43,219,211	\$352,546,671	\$0	\$62,635,443	\$3,807,736,897	
Total Comprehensive List =													\$6,554,587,336	\$146,086,166	\$660,961,842	\$14,465,870	\$194,198,026	\$7,570,299,240	

Notes:

- (1) POTW= Publicly-owned treatment works projects per CWA Section 212; EXP= Expanded use projects per Clean Water Act (CWA) Section 319 or 320; AUDIT= Water Energy Audit project
 - (2) Principal forgiveness funds are proposed for projects that meet the criteria in Appendix F of the June 2018 IUP. Selected projects to be determined during project review period.
 - (3) Preliminary estimate based on draft funding criteria, available information regarding project costs, wastewater rates, etc. Subject to change. Will be finalized based on updated information at the time of funding approval.
 - (4) Green Project Types: W= Water Efficiency; E = Energy Efficiency; I = Innovative.
 - (5) Project numbers are for administrative purposes only. DFA may assign or reassign project numbers as necessary to administer fiscally discrete but technically interrelated and interdependent phases of a project.
- New or reassigned project numbers for projects on a Project List approved by the Executive Director will be automatically added to the Project List without further action by the Executive Director.

APPENDIX D: SCG Construction Grant Eligibility Criteria

Eligible Applicants:	Public agencies, 501(c)(3) non-profit organizations, federally recognized tribes and state tribes on Native American Heritage Commission consult list				
Eligible Project Type	CWSRF-eligible wastewater projects ⁵¹				
Affordability Criteria			Grant Amount		
Population ⁵²	Community MHI ⁵³	Wastewater Rates as a Percentage of MHI ⁵⁴	Percentage of Total Eligible Project Cost	Maximum Grant Amount Per Project ^{55, 56, 57}	Maximum Cost Per Household / Project
<20,000	MHI ≤ 100% Statewide MHI	≥4%	50%	\$6 million	\$30,000
	DAC <80% of Statewide MHI	≥1.5%	75%		
	SDAC <60% of Statewide MHI	NA	100%		

⁵¹ Includes only: a) projects approved for funding after June 19, 2018 (consistent with the CWSRF Policy, planning and design costs incurred prior to funding approval may be reimbursed upon execution of the financing agreement) or b) DFA approved cost increases approved after June 19, 2018, for planning or construction projects approved prior to June 19, 2018, if such increases are consistent with the funding criteria and limitations herein.

⁵² With the exception of wastewater systems serving solely a K-12 public school, to qualify for SCG funds, a project must be geared toward addressing primarily residential needs. Also, at least 50 percent (50%) of the dwellings or dwelling units must be the primary dwelling of permanent residents for a community or community area to qualify for SCG funds. Typically, permanent residents are those residing in the community at least six months out of the year; however, seasonal, migrant laborers can also be counted as permanent residents.

⁵³ Wastewater systems serving solely a K-12 public school are deemed to serve a SDAC, since the primary users are minor students with incomes below 60 percent (60%) of the statewide MHI.

⁵⁴ For the purposes of calculating rates as a percentage of MHI, service charges plus other costs specifically related to the wastewater system may be considered, including but not limited to, dedicated sales tax revenue, assessments, and fees. If a CWSRF-eligible wastewater project consists of improvements to the drinking water system, the drinking water rates and charges may be considered in lieu of wastewater rates and charges. For systems serving facilities such as labor camps or mobile home parks, DFA may elect to approve up to 100 percent (100%) grant up to a maximum of \$6 million. Even if 100 percent (100%) grant is approved, DFA staff will review projected revenues and expenses to confirm adequate revenues to operate and maintain the project.

⁵⁵ To ensure that available funds are distributed to a large cross-section of communities throughout California, a single community may not receive cumulatively more than \$8 million in SCG and PF funding in any given five-year period.

⁵⁶ For projects that connect previously unsewered areas or join communities to regionalize wastewater treatment works consistent with the CWSRF Policy, SCG funds will be allocated to each community served by the project on a per community basis, rather than a per project basis.

⁵⁷ For public agencies, if project components will either reduce the demand for wastewater capacity or the energy consumption needs for publicly-owned treatment works consistent with the Green Project Reserve: Guidance for Determining Project Eligibility, and those components result in higher capital costs compared to other less water and energy efficient options, DFA may make a determination that the incremental cost increase will be provided as additional grant, above the maximum amount per project.

APPENDIX E: SCG Construction Grant Eligibility Criteria for Septic to Sewer and Regional Projects

Eligible Applicants:	Public agencies, 501(c)(3) non-profit organizations, federally recognized tribes and state tribes on Native American Commission consult list				
Eligible Project Type	CWSRF-eligible wastewater projects ⁵¹				
Affordability Criteria			Grant Amount		
Population ⁵²	Community MHI ⁵³	Wastewater Rates as a Percentage of MHI ⁵⁴	Percentage of Total Eligible Project Cost	Maximum Grant Amount Per Project ^{55, 56, 57}	Maximum Cost Per Household / Project
<20,000	MHI ≤100% Statewide MHI	≥4%	50%	\$8 million	\$75,000
	DAC <80% of Statewide MHI	≥1.5%	75% ⁵⁸		
	SDAC <60% of Statewide MHI	NA	100%		

⁵⁸ For small DACs with wastewater rates at least two percent (2%) of community MHI, if the community's credit review shows inadequate revenues to afford repayment of the remaining project costs, the grant percentage may be increased to as high as 100 percent (100%), as necessary to approve financing for the project. In addition, for small DACs with wastewater rates at least 1.5 percent (1.5%) of community MHI, DFA has discretion to increase the grant percentage to as high as 100 percent (100%), if the community's unemployment rate is at least two percent (2%) higher than the statewide average, or if declining population trends or low population densities impact the community's ability to afford financing. Even if 100 percent (100%) grant is approved, DFA staff will review projected revenues and expenses to confirm adequate revenues to operate and maintain the project.

APPENDIX F: Principal Forgiveness Eligibility Criteria

Eligible Applicants:	Any municipality, intermunicipal, interstate, or state agency (regardless of population, MHI, or wastewater rates) ⁵⁹
Project Types:	Any CWSRF eligible project consistent with the Green Project Reserve: Guidance for Determining Project Eligibility that implements a process, material, technique, or technology to address water-efficiency or energy-efficiency goals, mitigate stormwater runoff, or encourage sustainable planning, design, and construction. This includes, but is not limited to, water or energy conservation assessments, audits, or plans, water reuse ⁶⁰ , water or energy reducing devices, and water meters.
PF Amount ⁶¹ :	
1.	For water or energy conservation assessments, audits, or planning, 100 percent (100%) of actual costs up to \$35,000 in PF.
2.	For all other projects, 50 percent (50%) of total, actual costs associated with water or energy conservation or sustainable planning, design, or construction up to \$4.0 million in PF ⁶²
3.	Projects that implement a nationally designated estuary plan may receive PF up to 75 percent (75%) of eligible project costs. Cumulative PF shall not exceed \$1 million per estuary plan area in any state fiscal year.

⁵⁹ Municipality includes a federally recognized Indian tribe or an authorized Indian tribal organization.

⁶⁰ Any water reuse project funded through WRF grant may not additionally receive PF. Water reuse projects are limited to \$2.5 million maximum PF in all cases.

⁶¹ Any project, with the exception of SDAC and DAC projects, receiving CWSRF PF may not receive more than 50 percent (50%) combined PF and grant funding, regardless of the source of grant funding. Grant funding includes any funding that does not require repayment by the recipient.

⁶² GPR projects may receive separate planning or design PF financing at a rate of 75 percent (75%) of eligible GPR planning or design costs up to a maximum of \$500,000 if requested, but the combined planning, design, and construction/implementation costs eligible for PF may not exceed the lesser of 50 percent (50%) of total eligible GPR cost or \$4.0 million.

APPENDIX G: SCG Planning Grants Eligibility Criteria⁶³

Eligible Applicants:	Public agencies, 501(c)(3) non-profit organizations, federally recognized tribes and state tribes on Native American Heritage Commission consult list		
Affordability Criteria	Grant Amount		
Population	Community MHI	Percent of Total Project Cost	Maximum Grant Per Project ⁶⁴
<20,000	DAC <80 percent of Statewide MHI	100 percent	\$500,000

APPENDIX H: SCG Fund Balance

	7/1/17 – 12/31/17	Projected 1/1/18 – 6/30/18	Projected 7/1/18 – 12/31/18
Beginning Balance	\$34,542,202	\$38,943,834	\$40,897,468
Collected	\$6,281,117	\$3,953,634	\$5,573,196
Spent	(\$1,879,485)	(\$2,000,000)	(\$2,500,000)
End Balance*	\$38,943,834	\$40,897,468	\$43,970,664

*Ending Balance does not account for existing commitments

APPENDIX I: Administration Fund Balance

	7/1/17 – 12/31/17	Projected 1/1/18 – 6/30/18	Projected 7/1/18 – 12/31/18
Beginning Balance	\$18,464,881	\$16,447,279	\$13,015,662
Collected	\$3,526,582	\$2,268,383	\$5,197,601
Spent	(\$5,644,184)	(\$5,600,000)	(\$5,700,000)
End Balance	\$16,347,279	\$13,015,662	\$12,513,263

⁶³ Planning grant recipients may not be required to demonstrate financial capability to operated and maintain treatment facilities in order to receive a planning grant. The planning grant funds may be used to assist in establishing financial capacity to operate and maintain the system, including the proposed infrastructure project, in preparation for eventual construction financing.

⁶⁴ For a regional planning project, DFA may elect to approve more than \$500,000 in SCG funds, not to exceed \$500,000 in SCG funding per community included in the regional plan. A community may not receive more than \$1,000,000 in total planning costs (\$500,000 for treatment plant upgrades plus \$500,000 for collection system improvements). On a case-by-case basis, for good cause, the Deputy Director of DFA may approve additional planning grant funds. Upon DFA's determination of sufficient planning funding needs, more than 15 percent (15%) of the funds available per Prop 1 may be used to fund planning and technical assistance activities.

APPENDIX J: CWSRF Capitalization Grant Payments and Draw Payments

Payments				
	Projected FFY 18 – Q1	Projected FFY 18 – Q2	Projected FFY 18 – Q3	Projected FFY 18 – Q4
FFY 2018 Grant				\$96,000,000 (Date of Award)
Draws				
	FFY 18 – Q1	FFY 18 – Q2	FFY 18 – Q3	FFY 18 – Q4
FFY 2017 Grant	\$28,446,600	\$9,482,000	\$9,482,200	\$47,411,000
FFY 2018 Grant				\$24,000,000
Cumulative Draws	\$28,446,600	\$9,482,200	\$9,482,200	\$71,411,000
	FFY 19 – Q1	FFY 19 – Q2	FFY 19 – Q3	FFY 19 – Q4
FFY 2018 Grant	\$38,400,000	\$16,800,000	\$16,800,000	
Cumulative Draws	\$38,400,000	\$16,800,000	\$16,800,000	

VIII. ACRONYMS

A/E	Architectural and Engineering
AIS	American Iron and Steel
ARRA	American Recovery and Reinvestment Act of 2009
CalEPA	California Environmental Protection Agency
CBR	Clean Water State Revolving Fund Benefits Reporting
CFR	Code of Federal Regulations
CWA	Clean Water Act
CWSRF	Clean Water State Revolving Fund
DAC	Disadvantaged Community
DBE	Disadvantaged Business Enterprise
DFA	Division of Financial Assistance
FFATA	Federal Funding Accountability and Transparency Act
FFY	Federal Fiscal Year
FSP	Fiscal Sustainability Plan
GAAP	Generally Accepted Accounting Principles
GPR	Green Project Reserves
GWGP	Groundwater Grant Program
IUP	Intended Use Plan
LGTS	Loans and Grants Tracking System
LID	Low Impact Development
MHI	Median Household Income
NIMS	National Information Management System
OCC	Office of Chief Counsel
PF	Principal Forgiveness
POTW	Publicly Owned Treatment Works
PY	Personnel Years
SCG	Small Community Grant
SDAC	Severely Disadvantaged Community
SERP	State Environmental Review Process
SFY	State Fiscal Year
SWGP	Stormwater Grant Program
TA	Technical Assistance
U.S. EPA	United States Environmental Protection Agency
WRFP	Water Recycling Funding Program
WRRDA	Water Resources Reform and Development Act of 2014