

Appendix J

Grant Opportunities for Storm Water Projects

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Category: Water/ Wastewater/ Water Quality

Program	Agency	Description	Deadline	Website
Sustainable Groundwater Planning (SGWP) Grant Program	DWR	Grants to support local groundwater planning efforts.	Round 1 applications due November 13, 2017	1. http://www.water.ca.gov/irwm/grants/sgwp/index.cfm 2. http://www.water.ca.gov/irwm/grants/sgwp/
Prop 1 Integrated Regional Water Management Grant Program	DWR	The IRWM Grant Program is designed to encourage integrated regional strategies for management of water resources by providing funding for projects and programs that support integrated water management.	Draft PSP expected Feb/March with applications possibly due in Sept/Oct 2018 (but will need applications to IRWMP group beforehand)	1. http://www.water.ca.gov/irwm/grants/prop1index.cfm 2. http://www.water.ca.gov/irwm/grants/docs/p1Guidelines/2016Prop1IRWM_GuidelinesPublicReviewDraft.pdf
Infrastructure State Revolving Fund (ISRF)	I-Bank	The California Infrastructure and Economic Development Bank (I-Bank) provides low interest loans for projects that promote economic development, and attract, create and sustain long-term employment opportunities. Infrastructure projects must meet the following definition: real and personal property, structures, conveyances, equipment, thoroughfares, buildings and supporting components thereof, excluding any housing, directly related to providing among the following (but not limited to): (1) Drainage, Water Supply, and Flood Control ; (2) Environmental Mitigation Measures; (3) Sewage Collection and Treatment; (4) Water Treatment and Distribution; (5) Power and communications facilities; (6) City streets and county highways; (7) Parks and recreational facilities.	Continuous	1. http://www.ibank.ca.gov/ibank/programs/isrf 2. http://www.ibank.ca.gov/
Clean Water State Revolving Fund (CWSRF)	SWRCB	This program provides low interest loans for water quality projects. The loan has a current interest rate of 1%. Eligible projects include , but are not limited to Construction of publicly-owned treatment facilities: (1) Wastewater treatment; (2) Local sewers; (3) Sewer interceptors; (4) Stormwater treatment; (5) Water reclamation and distribution facilities; (6) Combined sewers; (7) Landfill leachate treatment; (8) Repair and rehabilitation of wastewater treatment plants; (9) Energy efficiency upgrade for publicly owned treatment works; (10) Implementation of nonpoint source projects to address pollution associated with agriculture, forestry, urban areas, marinas, hydro-modification, and wetlands; (11) Development and implementation of estuary comprehensive conservation and management plans for San Francisco Bay, Morro Bay, Santa Monica Bay.	Continuous	1. www.waterboards.ca.gov/water_issues/programs/grants_loans/srf 2. http://abcres.resources.ca.gov/guidelines/guideline_576.pdf
Stormwater Grant Program (SWGPP)	SWRCB	Grants will be available through this program for multi-benefit stormwater management projects. Planning grants available for development of Storm Water Resource Plans. Implementation grants for green infrastructure, rainwater and stormwater capture, and stormwater treatment facilities.	Round 2 tentative for 2018.	1. http://www.waterboards.ca.gov/water_issues/programs/grants_loans/swgpp/prop1/ 2. http://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1.shtml

Program	Agency	Description	Deadline	Website
WaterSMART – Water and Energy Efficiency Grants	USBR	Grants are provided for projects that produce quantifiable and sustained water savings, increase use of renewable energy and improve energy efficiency in water management, benefit endangered species, create water markets, or carry out activities to address climate-related impacts on water or prevent any water-related crisis or conflict. Funds are also made available for water management improvements that complement ongoing efforts to address water supply sustainability. Project examples include the following: (1) Canal Lining/Piping; (2) Municipal Metering; (3) Landscape Irrigation Measures; (4) Groundwater Recharge; (5) Installation of renewable energy facilities related to water management and delivery; (6) Producing and using biomass or renewable fuels ; (7) Retrofitting water management facilities or equipment to increase energy efficiency; (8) Improving habitat, making additional water available, and managing vegetation; (9) Installing fish bypasses and fish screens; (10) Development of water markets to avoid or reduce water conflicts; (11) Projects that would make conserved water available for other uses.	Jan-18	1. http://www.usbr.gov/WaterSMART/weeg/index.html
Water Conservation Field Services Program	USBR	Funding for pre-project activities such as planning and design to support four categories of water conservation and water efficiency programs: system optimization reviews, designing water management improvements, demonstration of innovative technologies, and development of water management plans.	mid-Dec 2017	
WaterSMART - Small-Scale Water Efficiency Projects	USBR	A new funding category used to support small-scale water management projects that have been identified through previous planning efforts.	Jan-18	
Cooperative Watershed Management Program	USBR	Funding for established watershed groups with a completed watershed restoration plan to undertake watershed restoration projects	May-18	
USDA Water and Waste Disposal Loan and Grant Program	USDA	Provides funding for clean and reliable drinking water systems, sanitary sewage disposal, sanitary solid waste disposal, and storm water drainage to households and businesses in eligible rural areas.	Continuous	1. http://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program

Category: Habitat/ Agricultural Lands

Program	Agency	Description	Deadline	Website
Watershed Restoration Grant Program	CDFW	Funding for more reliable water supplies, the restoration of important species and habitat, and more resilient, sustainably managed water resources systems. Projects must be regional in nature and located outside of the Delta. Funding shall only be used for projects that will provide fisheries or ecosystem benefits or improvements that are greater than required applicable environmental mitigation measures or compliance obligations.	Anticipated in Summer 2018	1. https://www.wildlife.ca.gov/conservation/watersheds/restoration-grants
Wetlands Restoration for Greenhouse Gas Reduction	CDFW	Funding for projects that reduce greenhouse gasses while providing other benefits such as enhanced fish and wildlife habitat, improved water quality and quantity, and climate change adaptation. No project will be considered for funding that is a required mitigation. No project that is under an enforcement action by a regulatory agency will be considered for funding.	Potential future solicitation - depending on funding.	1. https://www.wildlife.ca.gov/Conservation/Watersheds/Greenhouse-Gas-Reduction
Environmental Enhancement Fund	CDFW	Grants to support environmental enhancement projects located within or immediately adjacent to waters of the state. Must acquire, restore, or improve habitat or restore ecosystem function, or both, to benefit fish and wildlife.	Potential future solicitation in 2018.	1. https://www.wildlife.ca.gov/ospr/science/environmental-enhancement-fund/about

Program	Agency	Description	Deadline	Website
California Riparian Habitat Conservation Program	CA WCB	This program aims at protecting, preserving, restoring, and enhancing riparian habitat throughout California. Examples of eligible projects include: (1) Bank stabilization and revegetation (2) Restoration of riparian vegetation on flood (3) prone land (4) Installation of fencing along the riparian corridor to control and/or manage livestock or wildlife. (5) Removal of nonnative invasive plant species and restoration of native riparian vegetation.	Continuous	1. https://www.wcb.ca.gov/Programs/Riparian.aspx
California Coastal Conservancy Proposition 1 Grant Program	California Coastal Conservancy	All Proposition 1 grants funded by the Conservancy must achieve one of the following: (1) Protect and increase the economic benefits arising from healthy watersheds, fishery resources and instream flow. (2) Implement watershed adaptation projects in order to reduce the impacts of climate change on communities and ecosystems. (3) Restore river parkways throughout the state, including but not limited to projects pursuant to the California River Parkways Act of 2004 and urban river greenways. (4) Protect and restore aquatic, wetland and migratory bird ecosystems including fish and wildlife corridors and the acquisition of water rights for instream flow. (5) Fulfill the obligations of the state of California in complying with the terms of multiparty settlement agreements related to water resources. (6) Remove barriers to fish passage. (7) Collaborate with federal agencies in the protection of fish native to California and wetlands in the central valley of California. (8) Implement fuel treatment projects to reduce wildfire risks, protect watersheds tributary to water storage facilities and promote watershed health. (9) Protect and restore rural and urban watershed health to improve watershed storage capacity, forest health, protection of life and property, stormwater resource management, and greenhouse gas reduction. (10) Protect and restore coastal watershed including but not limited to, bays, marine estuaries, and nearshore ecosystems. (11) Reduce pollution or contamination of rivers, lakes, streams, or coastal waters, prevent and remediate mercury contamination from legacy mines, and protect or restore natural system functions that contribute to water supply, water quality, or flood management. (12) Assist in the recovery of endangered, threatened, or migratory species by improving watershed health, instream flows, fish passage, coastal or inland wetland restoration, or other means, such as natural community conservation plan and habitat conservation plan implementation. (13) Assist in water-related agricultural sustainability projects. Funds may only be used for projects that will provide benefits or improvements that are greater than required applicable environmental mitigation measures or compliance obligations.	October 31, 2017, February 2018, May 2018	1. http://scc.ca.gov/grants/proposition-1-grants/ 2. http://scc.ca.gov/webmaster/ftp/pdf/sccbb/2016/1609/20160929Board04B_Rev_SCC_Prop_1_Grant_Guidelines_Ex1.pdf
Agricultural Drainage Program	State Water Resources Control Board	The Agricultural Drainage Loan Program was created by the Water Conservation and Water Quality Bond Act of 1986 to address treatment, storage, conveyance, or disposal of agricultural drainage water that threatens waters of the State. Loan repayments are for a period of up to 20 years. Projects must address treatment, storage, conveyance or disposal of agricultural drainage that threaten waters of the State.	Continuous	1. http://www.waterboards.ca.gov/water_issues/programs/grants_loans/agdrain/agdrain_loan.shtml
Agricultural Drainage Management Loan Program	State Water Resources Control Board	The Agricultural Drainage Management Loan Program, created by Proposition 204 and distributed through the Agricultural Drainage Management Subaccount, provides loan and grant funding for Drainage Water Management Units. Drainage Water Management Units are land and facilities for the treatment, storage, conveyance, reduction or disposal of agricultural drainage water that, if discharged untreated, would pollute or threaten to pollute the waters of the State.	Continuous	1. http://www.waterboards.ca.gov/water_issues/programs/grants_loans/agdrain/agdrain_mgmt.shtml

Program	Agency	Description	Deadline	Website
Conservation Innovation Grants	Natural Resources Conservation Service	The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies, while leveraging the Federal investment in environmental enhancement and protection in conjunction with agricultural production.	Potential future solicitation in 2018.	1. https://www.nrcs.usda.gov/wps/portal/nrcs/main/ca/programs/financial/cig/ 2. https://www.grants.gov/custom/viewOppDetails.jsp?oppld=292998
Climate Ready Grant Round 4	California Coastal Conservancy	The Coastal Conservancy's Climate Ready Program seeks to encourage local governments and non-governmental organizations to take steps to prepare for a changing climate by advancing planning and implementation of on-the-ground actions that reduce greenhouse gas emissions and/or lessen the impacts of climate change on California's coastal communities and natural resources. Selected applicants will receive technical assistance rather than financial assistance.	Potential future solicitation in 2018.	1. http://scc.ca.gov/climate-change/climate-ready-program/ 2. http://scc.ca.gov/grants/grant-application/
Agriculture and Food Research Initiative - Resilient Agroecosystems in a Changing Climate Challenge Area	National Institute of Food and Agriculture	The AFRI Resilient Agroecosystems in a Changing Climate Challenge Area supports activities that enable the nation's agriculture and forest lands to adapt to current and future climate conditions (including increased droughts and other extreme events), maintain or increase production, efficiently use soil and water resources, and improve soil, water and air conditions. Land managers are experiencing more variable weather patterns, especially with regard to water issues such as more intense patterns of droughts and floods, and the lengthening of the growing season over the last three decades. Research results from this challenge area will lead to improved management systems and crop varieties that consider the risks associated with a more variable environment. Another long-term outcome of this challenge area is reducing the environmental impact while maintaining a productive food, feed, fiber, and fuel system.	Potential future solicitation in 2018.	1. https://nifa.usda.gov/node/2951
Agriculture and Food Research Initiative - Foundational Program	National Institute of Food and Agriculture	The AFRI Foundational Program is offered to support grants in the six AFRI priority areas to continue building a foundation of knowledge critical for solving current and future societal challenges. The six priority areas are: Plant Health and Production and Plant Products; Animal Health and Production and Animal Products; Food Safety, Nutrition, and Health; Bioenergy, Natural Resources, and Environment; Agriculture Systems and Technology; and Agriculture Economics and Rural Communities. Single-function Research Projects, multi-function Integrated Projects, and Food and Agricultural Science Enhancement (FASE) Grants are expected to address one of the Program Area Priorities (see Foundational Program RFA for details).	various deadlines through 9/30/2018	1. https://nifa.usda.gov/funding-opportunity/agriculture-and-food-research-initiative-foundational-program
Rural Community Development Initiative (RCDI)	Utilities Programs	Qualified private, nonprofit and public including tribal intermediary organizations proposing to carry out financial and technical assistance programs will be eligible to receive the funding. The Intermediary will be required to provide matching funds in an amount at least equal to the RCDI grant. The respective minimum and maximum grant amount per Intermediary is \$50,000 and \$250,000. The Intermediary must provide a program of financial and technical assistance to recipients to develop their capacity and ability to undertake projects related to housing, community facilities, or community and economic development that will support the community.	Future solicitation anticipated in 2018.	1. https://www.rd.usda.gov/programs-services/rural-community-development-initiative-grants 2. https://www.gpo.gov/fdsys/pkg/FR-2017-05-26/pdf/2017-10776.pdf

Category: Flooding/ Drainage

Program	Agency	Description	Deadline	Website
Small Community Flood Risk Reduction	DWR	The Small Communities Flood Risk Reduction Program (Small Communities Program) is a cost-share grant program that provides local assistance to communities with fewer than 10,000 residents that are protected by the State Plan of Flood Control (SPFC). The Small Communities Program was created as a result of the 2012 Central Valley Flood Protection Plan (CVFPP), and is intended to help small communities achieve 100-year flood protection. Initially, funding is being provided to study the feasibility of flood risk reduction projects.	Potential future solicitation.	1. http://www.water.ca.gov/floodmgmt/funding/small-communities.cfm
Flood Protection Corridor Program	DWR	This program provides funding for non-structural flood management projects that include wildlife habitat enhancement and/or agricultural land preservation components. In addition to demonstrating a significant reduction of peak flood flows, flood stage, flood risk or potential flood damage, projects must also include an agricultural land conservation component, wildlife habitat conservation or enhancement component, or a combination of both. The proposed project activity must be at least 50 percent by area within, or provide substantial flood risk reduction benefits to, the 100-year floodplain. Less than 20 percent of grant funds can go towards structural actions.	Unknown (Potential Future Opportunity)	1. http://www.water.ca.gov/floodmgmt/fpo/sgb/fpcp/ 2. http://www.water.ca.gov/grantsloans/grants/corridor.cfm
15-558 Hydrologic Sciences (HS)	NSF	The Hydrologic Sciences Program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle. The Program supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components. The Hydrologic Sciences Program retains a strong focus on linking fluxes of water and the components carried by water across boundaries between various interacting facets of the terrestrial system and the mechanisms by which these fluxes co-organize over a variety of timescales and/or alter fundamentals of water cycle interactions within the terrestrial system. The Program is also interested in how water interacts with the landscape and the ecosystem as well as how the water cycle and its coupled processes are altered by land use and climate. Studies may address physical, chemical, and biological processes that are coupled directly to water transport. Projects submitted to Hydrologic Sciences commonly involve expertise from basic sciences, engineering and mathematics; and proposals may require joint review with related programs. The Hydrologic Sciences Program will also consider synthesis projects.	Continuous	1. https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13684