State Water Resources Control Board

Executive Office

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Arnold Schwarzenegger
Governor

NOV 13 2009

Ms. Juanita Licata
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Ms. Licata:

CERTIFICATION OF THE GREEN PROJECT RESERVE (GPR) FOR THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) OF 2009

The California State Water Resources Control Board (State Water Board) Clean Water State Revolving Fund (CWSRF) received a $280 million grant under ARRA from the United States Environmental Protection Agency (USEPA) on May 20, 2009. ARRA and the March 2, 2009, USEPA Guidance Memorandum state that not less than 20 percent of the funds shall be for projects, or portions of projects, that include green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities to the extent that eligible applications are received.

The State Water Board has been encouraging green infrastructure projects dating back to the 1970's with the Water Recycling Funding Program. Additionally, the State Water Board administers many other grant programs promoting green infrastructure, water and energy efficiency, and environmentally innovative projects that are generally unable to receive a standard CWSRF loan. We are very excited that the GPR reinforces California's efforts to fund these types of projects, and has helped the CWSRF Program fund them.

The State Water Board is pleased to announce that the CWSRF Program has exceeded the GPR condition of ARRA. Of the $280 million allocated to California for Clean Water projects, CWSRF has committed $78.5 million in ARRA funds to 33 projects qualifying for GPR. This represents 28 percent of the ARRA funds awarded to the State Water Board.

In accordance with ARRA and the Guidance Memorandum, the State Water Board adopted Resolution 2009-0027 on March 17, 2009. In the interest of promoting federal economic recovery efforts and the GPR, the State Water Board set a 0 percent interest rate for up to $60 million of ARRA loan financing for GPR projects.

These funds were used to fund six Water Recycling projects, for a total of $36 million, and two Water and Energy Efficiency projects, for a total of $20.7 million.

Due to state cash flow problems, the State Water Board was ordered to freeze funding for many of its grant programs, and many projects with large portions of green infrastructure, water or energy efficiency improvements or other environmentally innovative features were ordered to stop work (Stopped-Grant Projects). Resolution 2009-0027 made $70 million of ARRA funds available as principal forgiveness (PF) to be used to restart these projects through the CWSRF Program. The State Water Board executed contracts for 15 Stopped-Grant Projects that included components eligible for GPR. A total of $10.5 million in PF was awarded to these projects for GPR.

On June 16, 2009, the State Water Board adopted resolution 2009-0051, allocating additional PF funds to Urban Stormwater projects. These projects include management and treatment of stormwater and maintenance or restoration of natural hydrology. The State Water Board executed contracts for 10 Urban Stormwater and Expanded Use projects that included components eligible for GPR. A total of $11.2 million in PF was awarded to these projects for GPR.

Please see Attachment 1 – Green Project Reserve Project List, for a more detailed breakdown of California's GPR, as well as project descriptions and contract execution dates.

Should you have any questions about the State Water Board's GPR certification, please contact Mr. Christopher Stevens, Supervising Water Resource Control Engineer at (916) 341-5698, or cstevens@waterboards.ca.gov.

Sincerely,

Dorothy Rice

Dorothy Rice
Executive Director

Enclosure

ATTACHMENT 1 - Green Project Reserve Project List - California State Water Resources Control Board

Water Recycling Projects

Project Number	Applicant	Green Project Decription	GPR Amount	Contract Executed
5157-110	Beaumont Cherry Valley Water District	The Project is the backbone of a non-potable water system around the District's service area. The Project will offset the use of potable water supplies for irrigation purposes by using reclaimed wastewater.	$16,108,100	7/14/2009
5176-110	Inland Empire Utilities Agency	The Project will install 13,000 linear feet of pipeline to increase delivery of recycled water in the Agency's service area.	$3,174,842	7/1/2009
5176-120	Inland Empire Utilities Agency	The Project will purchase and modify an existing water storage reservoir to allow the Agency to increase recycled water distribution within its service area.	$5,173,320	7/1/2009
5176-130	Inland Empire Utilities Agency	The Project will install 13,000 linear feet of pipeline to convey recycled water to the San Sevaine groundwater recharge site. Groundwater recharge helps ensure a reliable future supply of water in the Agency's service area.	$4,491,377	7/1/2009
5176-140	Inland Empire Utilities Agency	The Project will install 4,200 linear feet of pipeline to increase delivery of recycled water in the Agency's service area.	$1,028,014	7/1/2009
5177-110	Delta Diablo County Sanitation District	The Project will provide additional recycled water to customers for landscape irrigation in the District's service area to offset the use of potable water.	$6,110,046	7/8/2009
		Total	$36,085,699	

Water and Energy Efficiency Projects

Project Number	Applicant	Green Project Decription	GPR Amount	Contract Executed
5311-110	Eastern Municipal Water District (Moreno Valley)	This Project uses improved technologies and practices to reduce the energy consumption of water quality and treatment works projects as defined in Sec. 212 of the Clean Water Act. The District will be installing a new two-phase digestion process called Acid Phase Anaerobic Digestion (APAD), which will increase overall system efficiency as compared to the existing process at the MVWRF. The APAD process will result in an increase in available energy of greater than 20 percent over the existing process.	$10,358,500	9/15/2009
5327-110	Inland Empire Utilities Agency	The Project will help the Agency process solids produced during the wastewater treatment process to reduce the weight of material hauled to the composting facility. The Agency prepared a Business Case Evaluation for the Project. The analysis determined that CO2e emissions were reduced by 30 percent over the twenty year period. The reduction of CO2e emissions equates to a 28 percent energy savings when compared to conventional belt filter presses.	$10,358,500	8/25/2009
		Total	$20,717,000	

Stopped-Grant Projects

Project Number	Applicant	Green Project Decription	GPR Amount	Contract Executed
6902-110	Regents of the University of California	This project demonstrates new and/or innovative approaches to managing water resources in a more sustainable way by implementing Best Management Practices (BMPs) to control dry weather flows and reduce or eliminate pollutant sources that drain into both the San Diego Marine Life Refuge and the San Diego-La Jolla Ecological Reserve	$2,644,400	7/6/2009
6914-110	California Sportfishing Protection Alliance	The Project will implement actions identified by the Suisun Creek Restoration Team, restoration of riparian corridors, invasive plant removal, expansion of the Fish Friendly Farming program to implement best management practices on agricultural lands in the watershed.	$89,963	9/1/2009
6915-110	Marin Conservation Corps	The Olema Creek Sediment Reduction Project will reduce sediment and pathogen entry into Olema Creek through creek-crossing and trail reroutes at two critical sites. This Project will significantly reduce and eliminate soil erosion, sedimentation and pathogen entry into Olema Creek at two critical sites.	$394,468	6/12/2009
6917-110	Plumas Corporation	The Project will restore the channels/floodplains on five tributaries to the Upper Middle Fork of the Feather River to reduce sediment in the Feather River.	$158,577	6/5/2009
6918-110	City of Chico	The Project will reduce urban runoff in Big Chico Creek by restoring the natural floodplain, riparian habitat, wetlands, and native grasslands at an 18 acre site on Lindo Channel.	$561,109	6/16/2009
6923-110	Western Shasta Resource Conservation District	The Project generally consists of Implementing watershed Best Management Practice (BMP) activities in the Cow Creek watershed, a major watershed in Shasta County.	$102,985	7/8/2009
6924-110	County of Napa	The Napa River Restoration Project is a river rehabilitation/restoration project on 1.3 miles of the Napa River on agricultural land. This project will address identified problems of sedimentation due to channel incision and bank erosion, restore channel complexity and habitat diversity, and reconnect historic side channels.	$977,307	7/27/2009
6926-110	Tomales Bay Watershed Council Foundation	The Project integrates the restoration of the Giacomini Wetland and water quality monitoring to reduce and eliminate existing pollutants and identify emerging pollutants.	$799,629	6/5/2009
6946-110	Tahoe Resource Conservation District	The Project will improve water quality by implementing erosion control practices, reducing hazardous fuels to alleviate the number of devastating fires, removing and controlling invasive weeds, and implementing water conservation practices in the Lake Tahoe Basin.	$1,478,057	6/17/2009
6949-110	Tahoe Resource Conservation District (Polaris Creek)	The Project will reduce urban stormwater runoff, restore wetlands, and provide habitat for several special status species.	$220,090	7/13/2009
6950-110	Truckee River Watershed Council	The Project will decrease sediment, increase riparian and meadow habitat, and improve native fishery.	$373,153	6/25/2009
6956-110	Inland Empire Utilities Agency (Magnolia Channel)	The Project will reduce stormwater runoff by re-establishing a natural urban stream, using retention ponds to reduce flow and encourage infiltration, and build managed wetlands/riparian habitat.	$773,045	7/13/2009
6960-110	Inland Empire Utilities Agency (Chino Ckeek)	The Project will help Improve water quality in the Chino Creek Watershed restoring the natural riparian system.	$1,471,491	9/28/2009
6966-110	Friends of the Santa Clara River	The Project will restore natural riparian and wetland habitats to reduce pollutant runoff to the Santa Clara River.	$165,018	8/19/2009
6975-110	Mission Resource Conservation District (Arundo)	The Project will restore approximately 2.2 miles of River in the San Luis Rey Watershed to natural conditions.	$294,746	6/23/2009
		Total	$10,504,038	

Stormwater and Expanded Use Projects

Project Number	Applicant	Green Project Decription	GPR Amount	Contract Executed
6109-110	South Lake Tahoe, City of	The Project will reduce the amount of runoff, slowing the rate at which runoff is entering Lake Tahoe and providing treatment for that portion of urban runoff that discharges to Lake Tahoe. The Project will manage and treat storm water and help restore natural hydrology by infiltrating and capturing and treating storm water.	$1,500,000	9/28/2009
6135-110	Hermosa Beach, City of	The project includes drainage improvements for treatment and infiltration of dry weather and wet-weather baseline flows to reduce pollutant loading at the beach and to reduce flooding. The project will provide additional pedestrian- and bike-friendly connectivity to shopping and the beach including: widening of pedestrian walkways, safe pedestrian street crossings with solar powered flashers, pocket parks (green areas) with benches, improved transit via new bikeways, and parking for bicycles and mopeds. Additional public benefits: drought tolerant planting to reduce water demand, reclaimed water and stormwater reuse for irrigation, street and median trees to reduce heat island effect, new high-efficiency street lighting to conserve energy and increase safety.	$1,265,000	10/12/2009
6222-110	Santa Monica Bay Restoration Foundation	The Project will install four LID rain infiltration gardens in the Los Angeles County flood control right-of-way along Ballona Creek. The rain gardens will capture, treat, and infiltrate stormwater runoff.	$1,889,662	10/19/2009
6302-110	South Lake Tahoe, City of	The Project improvements include installing curb and gutter; constructing treatment facilities; and restoring roadside shoulder soil and vegetation. Demolition of a single family residence (owned by the City) with subsequent stream environment zone restoration will also be conducted. The Project maintains and restores natural hydrology by capturing, treating and infiltrating stormwater.	$1,675,000	9/21/2009
6320-110	Hillsborough, Town of	The project qualifies as green infrastructure because it will manage stormwater by capturing water that is normally discharged to stormdrain system during periodic flushing operations of fire hydrants around the Town of Hillsborough. This innovative, efficient, and economic mobile filtration system uses ground-breaking technology to filter flushed water and pumps it back into the water delivery system via a downstream fire hydrant. It can be used during unidirectional flushing, water quality flushing, tank maintenance, and flushing after performing main repairs. and using it to reduce stormwater runoff impacts and conserve water.	$300,000	9/29/2009
6433-110	American Rivers (Yuba Watershed)	The project qualifies as green infrastructure because it will manage stormwater by capturing and using it to reduce stormwater runoff impacts and conserve water. By storing and/or slowly releasing water that would ordinarily enter the Yuba Watershed, the project will reduce erosion and the related sedimentation of receiving waters. The project will construct green infrastructure stormwater management facilities to reduce sediment and pollutants, and erosive peak flows in the Yuba River. Projects include: 1) down spouting onto porous surfaces, 2) rainwater harvesting systems to capture runoff from roofs in cisterns, 3) use of infiltration trenches into which stormwater will seep, 4) rain gardens, 5) use of vegetated swales along the roadside to capture and treat stormwater.	$375,000	10/20/2009

Stormwater and Expanded Use Projects (continued)

Project Number	Applicant	Green Project Decription	GPR Amount	Contract Executed
6440-110	Association of Bay Area Governments (El Cerrito)	This project qualifies as a local scale green infrastructure project. The project will install two rain gardens, which will infiltrate the stormwater running off the street, removing pesticides, PCBs, mercury, and copper through bioretention. The second and third component of this project counts toward the green reserve, qualifying as an environmentally innovative project, as the monitoring and technology transfer through installation of signs, outreach material, and podcast will help demonstrate the green infrastructure/ Low Impact Development rain garden/stormwater technology and "facilitate adoption of clean water programs and practices to climate change" through information sharing.	$392,000	10/6/2009
6443-110	City of Oakland	The project qualifies as green infrastructure because it will manage stormwater by capturing and using it to reduce stormwater runoff impacts and conserve water. By storing and/or slowly releasing water that would ordinarily enter Oakland's stormdrains and creeks, the project will reduce erosion and the related sedimentation of receiving waters. Water Conservation will be achieved through the storage of rainwater for later re-use for landscape irrigation purposes.	$1,300,000	9/22/2009
6444-110	City of Redondo Beach	The improvements will include the construction of diversion, treatment, storage and pumping facilities to divert urban and stormwater runoff for re-use to supplement the irrigation of 13.1 acres (primarily turf) of landscaping throughout the 16.1 acre Park. The Santa Monica Bay beaches have been identified on the 303d list as being impaired for bacteria. The project will be installed to address this impairment. The focus will be on a 0.4 mile stretch of beach south of the Redondo Beach pier.	$2,200,000	10/6/2009
6500-110	Literacy for Environmental Justice (EcoCenter)	This project qualifies as a local scale green infrastructure project. The project will install a green roof and 5,000 gallon stormwater harvesting system with two rain cisterns. The stormwater will infiltrate the through the green roof and be collected for reuse in the plumbing for the toilets, subsurface irrigation of the landscape, and when needed, in the wetland treatment process.	$350,160	10/29/2009
		Total	$11,246,822	