

FY 2010 Energy and Water Development
Appropriations Requests
Senator Barbara Boxer

A large portion of Senator Boxer's Energy and Water funding requests are for Army Corps of Engineer projects. The Army Corps' work is essential for ensuring the basic functioning of communities throughout California – providing flood control, harbor and port maintenance, water supply infrastructure, shoreline preservation, and ecosystem restoration. These projects are typically authorized in law and in many cases, are included as part of the President's annual budget proposal.

American River Watershed – Common Features

Recipient: U.S. Army Corps of Engineers

Location: Sacramento, California

Amount: \$6,700,000 (Senator Boxer supports the President's request.)

Funding will be used to strengthen levees in the Natomas Basin north of Sacramento along the American and Sacramento Rivers. These levees have been deemed to no longer provide the necessary level of flood protection.

American River Watershed – Folsom Dam Modifications

Recipient: U.S. Army Corps of Engineers

Location: Sacramento, California

Amount: \$66,700,000 (Senator Boxer supports the President's request.)

Funding will be used to modify Folsom Dam to better manage flood water. One modification includes constructing a spillway to increase the dam's capacity to handle storm water.

American River Watershed – Folsom Dam Raise

Recipient: U.S. Army Corps of Engineers

Location: Sacramento, California

Amount: \$600,000 (Senator Boxer supports the President's request.)

Funding will be used to raise Folsom Dam, improve three emergency spillway gates, build the Folsom Dam bridge and ecosystem restoration of the lower American River. Raising Folsom Dam, along with other American River Watershed project components, will provide 200-year flood protection that will cover approximately 86 square miles of the Sacramento area, affecting 330,000 people and \$16 billion in property.

Calleguas Municipal Water District Recycling Plant

Recipient: Bureau of Reclamation

Location: Ventura County, California

Amount: \$6,000,000 (Senator Boxer requests an increase to the President's request of \$1,400,000 to reflect full FY 2010 capability.)

Funding will be used to continue construction of a water recycling plant to reclaim and reuse over 50,000 acre-feet of water a year. This will reduce the region's dependence on imported water.

Center for Renewable Energy and Alternative Electric Transportation Technologies

Recipient: California Polytechnic State University

Location: San Luis Obispo, California

Amount: \$1,600,000

Funding will be used to support the Center for Renewable Energy and Alternative Electric Transportation Technologies, a test-bed for developing and testing new alternative energy technologies. The proposed test-beds will also be used for training of a high-tech, green energy workforce.

Crescent City Federal Channel Dredging

Recipient: U.S. Army Corps of Engineers

Location: Del Norte County, California

Amount: \$1,850,000

Funding will be used to dredge the Federal Channel, which was last dredged in 2000. Due to silt accumulation, vessels have been running aground and the channel may soon become impassable, which would devastate the local fishing industry.

Dam Safety Assurance Studies – Isabella Dam

Recipient: U.S. Army Corps of Engineers

Location: Kern County, California

Amount: \$8,000,000 (Senator Boxer requests an increase to the President's request of \$3,604,000 to reflect full FY 2010 capability.)

Funding will be used for studies and design to restore Isabelle Dam to address deficiencies – such as seepage and structural vulnerability in an earthquake. Once restored, the dam will allow an additional 200,000 acre-feet of water for use in Kern and Tulare counties.

Delta LTMS Pinole Shoal Management

Recipient: U.S. Army Corps of Engineers

Location: Contra Costa County, California

Amount: \$2,000,000

Funding will be used to begin studies and preliminary work on using dredged sediment for levee reconstruction in the Sacramento-San Joaquin Delta. Reusing dredged material to repair the levees would turn this waste material into a resource.

Dry Creek (Warm Springs) Lake and Channel O&M

Recipient: U.S. Army Corps of Engineers

Location: Sonoma and Marin Counties, California

Amount: \$10,000,000

Funding will be used to install a hatchery water supply pipeline, implement a hatchery genetic management plan for Steelhead trout, and genetic analysis and monitoring of Coho salmon broodstock.

Eastern Santa Clara River Basin Perchlorate Contamination Initiative

Recipient: U.S. Army Corps of Engineers

Location: Napa, Sonoma, and Solano Counties, California

Amount: \$1,237,000

Funding will be used for the construction of water treatment facilities to clean up perchlorate groundwater contamination at the former Whittaker-Bermite site in Santa Clarita.

Fish Passage Improvement at the Red Bluff Diversion Dam

Recipient: Bureau of Reclamation

Location: Tehama, Glenn, Colusa, and Yolo Counties, California

Amount: \$50,400,000 (Senator Boxer supports increasing the President's budget request of \$14,792,000 to reflect full FY 2010 capability.)

Funding will be used to remove a dam and install a new fish screen and pumping plant to ensure a more reliable water supply in Tehama, Glenn, Colusa and Yolo counties. This will also improve the spawning habitat that supports 80 percent of the commercial salmon catch in the Pacific Ocean.

Groundwater Quality Protection Project

Recipient: U.S. Army Corps of Engineers

Location: Desert Hot Springs, Riverside County, California

Amount: \$5,000,000

Funding will be used toward the construction of a wastewater collection system, expansion of the existing wastewater treatment system, and the elimination of thousands of individual wastewater disposal systems that are threatening to contaminate drinking water supplies.

Groundwater Replenishment System Capacity Enhancement Project

Recipient: Bureau of Reclamation

Location: Orange County, California

Amount: \$6,900,000

Funding will be used to continue construction of a facility to reclaim and reuse over 20,000 acre-feet of water every year. The completed system will provide a total capacity of 99,850 acre-feet per year and a new, reliable, high-quality source of water to reduce the area's dependence on imported water.

Hamilton Bel-Marin Keys Wetlands Restoration Project

Recipient: U.S. Army Corps of Engineers

Location: Marin and Novato Counties, California

Amount: \$14,250,000 (Senator Boxer supports the President's request.)

Funding will be used to recreate a salt marsh with dredged sediment, creating a beneficial use for material that would otherwise require disposal. The wetlands will provide critical habitat for several threatened and endangered species.

Inland Empire Regional Water Recycling Project

Recipient: Bureau of Reclamation

Location: San Bernardino, Los Angeles, and Riverside Counties, California

Amount: \$5,000,000

Funding will be used to continue a project that aims to produce 100,000 acre-feet of water every year and provide a clean, safe and drought-proof source of water in the southwest San Bernardino Valley. The project will serve the current water needs of people in the cities of Chino, Chino Hills, Fontana, Montclair, Ontario, Rancho Cucamonga, and Upland.

Lake Success Dam Seismic Remediation Project

Recipient: U.S. Army Corps of Engineers

Location: Tulare County

Amount: \$10,000,000 (Senator Boxer supports the President's request.)

Funding will be used toward efforts to provide necessary flood control to fix structural issues with the current Lake Success Dam, which could collapse during an earthquake, and to build a new dam immediately down river.

LA River Catch Basin Connector Project

Recipient: U.S. Army Corps of Engineers

Location: Los Angeles County, California

Amount: \$5,000,000

Funding will be used to retrofit catch basins in fifteen cities to eliminate more than 800,000 pounds of waste from accumulating in storm drains. This will bring the cities compliance with the Los Angeles Regional Water Quality Board's Total Maximum Daily Load requirement.

LA River Headworks Environmental Restoration Feasibility Study

Recipient: U.S. Army Corps of Engineers

Location: Los Angeles, California

Amount: \$562,000

Funding will be used to complete a feasibility study to restore 51 miles of the Los Angeles River and evaluate alternatives to restore the Headworks area in the San Fernando Valley.

LA River Revitalization Study and Demonstration Project

Recipient: U.S. Army Corps of Engineers

Location: Los Angeles, California

Amount: \$7,100,000

Funding will be used to begin the process of restoring 32 miles of the Los Angeles River, a concrete river that runs through the nation's second most populous city and is home to more than one million people. The project will also benefit indigenous wildlife, water quality, public access, open space, and air quality.

Llagas Creek Flood Protection project

Recipient: U.S. Army Corps of Engineers

Location: Santa Clara, California

Amount: \$2,000,000

Funding will be used to provide flood protection, improve water quality and preserve habitat for fish and wildlife in Santa Clara County by replacing 35 road crossings, planting native trees and shrubs, and installing habitat benefits for the endangered Steelhead trout.

Lower Cache Creek Flood Control Project

Recipient: U.S. Army Corps of Engineers

Location: Yolo County, California

Amount: \$300,000

Funds will be used to raise the height of the settling basin and make other modifications to improve flood protection for the area. Raising the height will fix a design flaw, which has actually increased the area's flood risk.

Lower Mission Creek Flood Control and Rehabilitation Project

Recipient: U.S. Army Corps of Engineers

Location: Santa Barbara, California

Amount: \$5,000,000

Funding will be used to provide necessary flood control that spans 1.3 miles and protects the west downtown and waterfront neighborhoods of Santa Barbara. The project also would remove more than 60 properties from the local Flood Insurance Rate Maps and protects the endangered Tidewater Goby's habitat.

Lower San Joaquin River Urban Flood Protection and Feasibility Study

Recipient: U.S. Army Corps of Engineers

Location: San Joaquin County, California

Amount: \$2,000,000

Funding will be used to evaluate existing flood control infrastructure in San Joaquin County, which protects 250,000 residents and develop alternatives to improve flood protection to 200-year levels.

Lower Walnut Creek

Recipient: U.S. Army Corps of Engineers

Location: Contra Costa County, California

Amount: \$600,000

Funding will be used to reevaluate an existing flood control channel that was constructed in the 1960s so that it can be environmentally sensitive and respond to new endangered species listings. The project will include re-vegetation and possibly creating a fish passage.

Marina del Rey Harbor Dredging

Recipient: U.S. Army Corps of Engineers

Location: Los Angeles County, California

Amount: \$8,990,000

Funding will be used to dredge the north and south entrances and the main channel at Marina del Rey Harbor in order to allow the Coast Guard and local law enforcement to maintain public safety and rescue options. Additionally, studies will be done on a storage, treatment and reprocessing facility to determine the benefits of dredged material on area beaches.

Matilija Dam Ecosystem Restoration Project

Recipient: U.S. Army Corps of Engineers

Location: Ventura County, California

Amount: \$17,750,000

Funding will be used to complete the engineering, design and preliminary construction needed to restore the ecosystem of the Ventura River, allow for migration of the endangered Steelhead trout, and restore natural flow of water and sediment to the coast.

Murrieta Creek Flood Control, Environmental Restoration, and Recreation Project

Recipient: U.S. Army Corps of Engineers

Location: Riverside County, California

Amount: \$14,000,000

Funding will be used to provide flood protection to old-town Temecula as well as completing the next phase of design work to provide flood protection to Murrieta and Temecula. The project also provides for environmental restoration and recreation benefits.

Napa River Salt Marsh

Recipient: U.S. Army Corps of Engineers

Location: Napa, Sonoma, and Solano Counties, California

Amount: \$7,750,000 (Senator Boxer supports an increase to the President's request of \$6,750,000 to reflect full FY 2010 capability.)

Funding will be used to begin habitat restoration and salinity reduction as well as to complete the design of a recycled water pipeline.

Natomas Phase I and II Reimbursement

Recipient: U.S. Army Corps of Engineers

Location: Sacramento, California

Amount: \$15,000,000

Funding will be used to reimburse the Sacramento Area Flood Control Agency, as authorized by law, for the federal share of building the Natomas levees and pump station, which have improved flood protection.

Oakland Harbor Navigation and Improvement

Recipient: U.S. Army Corps of Engineers

Location: Oakland, Alameda County California

Amount: \$4,330,000 (Senator Boxer requests an increase to the President's request of \$1,000,000 to reflect full FY 2010 capability.)

Funds will be used to dredge the port to accommodate bigger container vessels, which will improve shipping efficiency, reduce transportation costs and improve air quality.

Oakland Harbor Navigation and Improvement – Reimbursement

Recipient: U.S. Army Corps of Engineers

Location: Oakland, Alameda County California

Amount: \$2,982,000

Funds will be used to reimburse the Port of Oakland for prior completion of the 42-foot deepening project.

Pajaro River Flood Control

Recipient: U.S. Army Corps of Engineers

Location: Santa Cruz, Monterey, San Benito, and Santa Clara Counties, California

Amount: \$5,000,000

Funding will be used to upgrade the Pajaro River levee system, which was found inadequate in 1963 and provides only 25-year flood protection along the Pajaro River and seven-year protection along two of its tributaries. This project is needed to protect residents in this flood-prone area.

Petaluma River Flood Control Project

Recipient: U.S. Army Corps of Engineers

Location: Petaluma, California

Amount: \$1,678,000

Funding will be used to complete required investigations to make sure that recently completed flood control projects will ensure adequate flood protection.

Placer County Subregional Wastewater Treatment Project

Recipient: U.S. Army Corps of Engineers

Location: Placer County, California

Amount: \$10,000,000

Funding will be used to remove seven old wastewater facilities and replace them with new modern treatment facilities, which will improve water quality and provide up to 30,000 acre-feet of reclaimed water every year.

Sacramento River Bank Protection

Recipient: U.S. Army Corps of Engineers

Location: Sacramento, California

Amount: \$20,400,000 (Senator Boxer requests an increase to the President's budget request of \$15,000,000 to reflect full FY 2010 capability.)

Funding will be used to strengthen the Sacramento River levees by protecting 5,000 feet of bank along the Sacramento River. The levee system, which protects about 2.3 million people, over one million acres, and 50 communities from flood, is seriously threatened by erosion.

Sacramento River Deep Water Ship Channel

Recipient: U.S. Army Corps of Engineers

Location: Sacramento and Yolo Counties, California

Amount: \$10,000,000 (Senator Boxer supports the President's request.)

Funding will be used to add five feet of depth to the Sacramento Deep Water Ship Channel, which connects West Sacramento to the San Francisco Bay. The current depth of 30 feet limits some ships from navigating the channel.

San Bernardino Basin Clean Water Factory

Recipient: Bureau of Reclamation

Location: San Bernardino County, California

Amount: \$1,000,000

Funding will be used to recycle 18,000 acre-feet of water every year for groundwater recharge and other uses in San Bernardino, which will improve the reliability of the area's water supply.

San Diego Intertie

Recipient: Bureau of Reclamation

Location: San Diego, California

Amount: \$250,000

Funding will be used to connect four reservoirs -- San Vicente, El Capitan, Murray and Loveland -- in the San Diego area, allowing them to share water resources and improve water supply reliability.

San Francisco Bay Area Regional Biosolids-to-Energy Project

Recipient: Delta Diablo Sanitation District

Location: Solano, Contra Costa, San Francisco, San Mateo, and Alameda Counties, California

Amount: \$1,000,000

Funding will be used to complete technical studies and environmental assessment to develop a sustainable regional biosolids-to-energy facility within the Bay Area. The agencies comprising the Bay Area Biosolids to Energy coalition annually produce over 24,000 wet tons of biosolids. This facility will reduce hauling loads and produce a local, sustainable supply of energy.

San Francisco Bay Area Regional Water Recycling Program

Recipient: Bureau of Reclamation

Location: Santa Clara, San Mateo, Alameda, Contra Costa, and Sonoma Counties, California

Amount: \$38,020,000 (Senator Boxer requests an increase to the President's budget request, which included \$3,000,000 for the combined program and \$208,000 specifically for the San Jose Area Water Reclamation and Reuse Project).

Funding will be used to construct a pipeline and facilities to develop and expand the use of recycled water to strengthen surface water supplies in the San Francisco Bay area. The funds requested for the San Francisco Bay Area Regional Water Recycling Program will go to: San Jose Area Water Reclamation and Reuse Project, the Mountain View/ Moffett Area Reclaimed Water Pipeline Project, the Pittsburg Recycled Water Project, the Antioch Recycled Water Project, the Redwood City Recycled Water Project, the North Coast County Water District Recycled Water Project, the South Santa Clara County Recycled Water Project, the South Bay

Advanced Recycled Water Treatment Facility, the CCCSD-Concord Recycled Water Project, and the Petaluma Recycled Water Project.

San Francisco Bay to Stockton Ship Channel

Recipient: U.S. Army Corps of Engineers

Location: San Francisco, Marin, Contra Costa, Solano, Sacramento, and San Joaquin Counties, California

Amount: \$1,400,000

Funding will be used to deepen the channel and allow for increased and more efficient use of the channel. The existing depths and widths are inadequate for many deep-draft vessels, forcing them to run more trips, which increases transportation costs and contributes to air quality problems.

San Francisco Electric Vehicle Infrastructure Initiative

Recipient: City of San Francisco

Location: San Francisco, California

Amount: \$1,750,000

Funds will be used towards planning and building the required public infrastructure to make it feasible to use electric vehicles, and would serve as a model of how major American cities can facilitate large scale consumer conversion to electric vehicles.

San Ramon Valley Recycled Water Project

Recipient: U.S. Army Corps of Engineers

Location: Alameda and Contra Costa Counties, California

Amount: \$3,723,000

Funding will be used to further a project to provide recycled water for irrigation, improving the water supply for people in Alameda and Contra Costa counties. The project also helps reduce wastewater disposal issues.

Santa Ana River Mainstem Project

Recipient: U.S. Army Corps of Engineers

Location: Orange County, California

Amount: \$52,193,000 (Senator Boxer supports the President's request.)

Funding will be used to build the Seven Oaks Dam and raise the existing Prado Dam along with other infrastructure projects to provide flood control needed to protect at least three million people and 110,000 acres in Orange, Riverside, and San Bernardino Counties.

Silver Strand Shoreline Project

Recipient: U.S. Army Corps of Engineers

Location: Imperial Beach, California

Amount: \$7,921,000

Funding will be used to restore erosion that is allowing excess saltwater into the Tijuana River National Estuarine Research Reserve, disrupting the estuary's salinity balance. This project will be the first new one of its kind in 40 years and will demonstrate the effectiveness of large scale restoration projects in fixing erosion, protecting public infrastructure, and preserving ecosystems.

Shoreline Special Study

Recipient: U.S. Army Corps of Engineers

Location: Oceanside, San Diego County, California

Amount: \$450,000

Funding will be used to determine the best way to mitigate a long-term beach erosion problem in Oceanside.

Solana Beach-Encinitas Shoreline Protection Project

Recipient: U.S. Army Corps of Engineers

Location: Solana Beach, San Diego County, California

Amount: \$440,000 (Senator Boxer requests an increase to the President's request of \$278,000 to reflect full FY 2010 capability.)

Funding will be used to complete a feasibility study and preliminary engineering and design for a barrier between the bluffs and the ocean. Significant erosion is undermining the coastal bluffs, which are falling into the ocean and threatening coastal structures.

South Sacramento County Streams

Recipient: U.S. Army Corps of Engineers

Location: Sacramento, California

Amount: \$9,368,000 (Senator Boxer requests an increase to the President's budget request of \$2,500,000 to reflect full FY 2010 capability.)

Funding will be used for channel and levee improvements and ecosystem restoration to provide minimum 100-year flood protection to over 100,000 people and over \$7 billion of property in the South Sacramento area.

St. Helena Comprehensive Flood Protection Project

Recipient: U.S. Army Corps of Engineers

Location: St. Helena, Napa County, California

Amount: \$3,000,000

Funds will be used to provide 100-year flood protection to the St. Helena area through restoration and re-vegetation of the natural floodplain terraces.

West Sacramento Flood Control

Recipient: U.S. Army Corps of Engineers

Location: West Sacramento, California

Amount: \$6,725,000 (Senator Boxer requests an increase to the President's request of \$2,995,000 to reflect full FY 2010 capability.)

Funding will be used to determine and fix problems with West Sacramento's recently completed flood control project to ensure adequate flood protection for the area's residents.