LOS ANGELES COUNTY DRAINAGE AREA, CA

Operations & Maintenance

U.S. ARMY CORPS OF ENGINEERS **BUILDING STRONG®**

LOCATION AND DESCRIPTION:

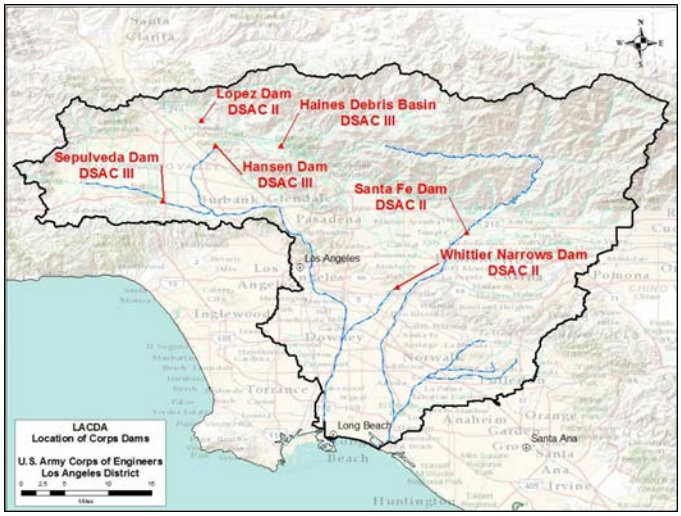
a. HANSEN DAM: Located 4 miles E of the city of San Fernando. Project Elements: Dam and Appurtenances (97- feet-high; 10,475-feet-long; 51,000-acre-feet cap at spillway crest - 1983). Recreation Area, No. of visitors to Recreation Area in FY 2013 was 1,828,158. Initially Operational/ Fully Operational FY 1940/FY 1949,

b. LOPEZ DAM: Located 2.2 miles NE of the city of San Fernando. Project Elements: Dam and Appurtenances (50 feet-high; 1,330-feet-long; 1,248-acre-feet cap at spillway crest - 1979) Initially Operational/Fully Operational: 1954/1955

c. SANTA FE DAM: Located 15 miles NE of the City of Los Angeles. Project elements: Dam and Appurtenances (92 feet-high; 23,800 feet-long; 32,109 acre-feet cap at spillway crest 1983). Recreation Area, No. of visitors to Recreation Area in 2013 – 480,167. Initially Operational/Fully Operational: 1949/1949

d. SEPULVEDA DAM: Located 25 miles NW of the City of Los Angeles. Project elements: Dam & Appurtenances (57 ft-high; 15,444 ft-long; 17,425 acre-ft cap at spillway crest 1982). Recreation Area, No. of visitors to Recreation Area in 2013: 3,606,205 Initially Operational/Fully Operational: 1949/1949

e. WHITTIER NARROWS DAM: Located 10 miles east of the City of Los Angeles. Project elements: Dam and Appurtenances (56 feet-high; 19,960 ft-long; 49,143 acre-feet cap at spillway crest 1982). Recreation Area, No. of visitors to Recreation Area in 2013: 1,376,654. Initially Operational/Fully Operational 1957/1957



As of 3 Feb 17

FINANCIAL SUMMARY:	**Operations & Maintenance**
Estimated Federal Cost	12,333,000
Estimated Non-Federal Cost	0
Total Estimated Project Cost	12,333,000
Allocation thru FY16	12,333,000
Allocation for FY17	TBD
President's Budget for FY18	TBD
House Report for FY18	TBD
Senate Report for FY18	TBD
Balance to Complete After FY18	N/A

f. LOS ANGELES COUNTY DRAINAGE AREA CHANNELS: Consists of 517 miles of channel, of which 38 miles are maintained by the Corps with the remainder maintained by LA County Department of Public Works.

AUTHORIZATION: Flood Control Act of 1944

ACTIVITES FOR FY 2017: Funds will be used for the following:
OPERATIONS - Management plans for historical sites; operation management plans; master plan for Haines Canyon; civil works land management; bridge inspections; periodic dam safety inspections; levee Inspections and assessments; dam and levee safety program; O&M program & project management; Interim Risk Reduction Measures for DSAC II and III dams; FEM system management and operations; O&M manual updates; water control manual updates.

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MAINTENANCE – Rehab of generators and motors at dams; repair failing concrete overlay LA River; rehab stairwell guard rails and concrete at San Gabriel spillway; vegetation removal soft bottom section of LA River; sediment removal of Haines Canyon Debris Basin, Lopez Dam, Santa Fe Dam; fencing along LA River, San Gabriel River and tributaries; channel maintenance and debris removal; Los Angeles River and San Gabriel River levee maintenance and repair; Compton Creek sediment removal; infrastructure rehab; screening of levee systems throughout the project; San Gabriel River levee vegetation clearing and maintenance; hydraulic system flush and filtration at projects; rehab Sepulveda Dam crest gate pipes; repair and rehab concrete channel access ramps; flood control channel sub-drain system maintenance and flush; concrete invert and channel wall repair; sediment removal from Hansen Dam; project sediment surveys at all projects; repair/replace fencing and access gates at projects; asphalt paving of access roads and dam crests; herbicide and vegetation control along channels and levees; pest control and borrowing animal removal at projects.

FY18 PLANNED ACCOMPLISHMENTS WITH OPTIMAL FUNDING: Funds would be used for the following:

OPERATIONS – operations of building, grounds and utilities; dam operations; environmental stewardship; program management and technical support; dam safety; water management activities; and recreation management.
MAINTENANCE – maintenance of basins; maintenance of channels; infrastructure rehab; maintenance/tech/program support; environmental stewardship and water management.

ISSUES AND OTHER INFORMATION: Status - Project condition of Dams is UNSAFE to CONDITIONALLY UNSAFE. All of the dams within the system have a DSAC II or DSAC III rating. DSAC II dams are classified as potentially unsafe. DSAC III dams are classified as significantly inadequate, moderate to high risk, high priority, conditionally unsafe. Project condition of channels and levees is poor and requires extensive rehabilitation and repair.
A failure of any of the dams within the system would cause large economic loss and catastrophic loss of life within Los Angeles County and the surrounding Cities.
Screening Portfolio Risk Assessments (SPRA) have been completed for all dams within the LACDA system resulting in the following Dam Safety Action Classification (DSAC) ratings:
DSAC II: Lopez Dam, Santa Fe, and Whittier Narrows Dam; DSAC III: Sepulveda Dam, Hansen Dam, and Haines Canyon Debris Basin. Interim Risk Reduction Measures Plans (IRRMP) are required for all DSAC I, II, & III dams. IRRMP's were finalized in FY12.

The six (6) District flood control projects within the LACDA system are reaching over 65 years of service and are in need of rehabilitation of dam component repair, such as hydraulic systems, motors, gates, and generators, prior to component failure at projects. Component failures have already started to occur.
The concrete lined portions of the Los Angeles River flood control channel invert has begun to erode away resulting in large pieces of the channel invert being lifted and transferred downstream during large rain events. The LA River concrete invert overlays require repair and replacement.
The levee systems throughout the LACDA system are in need of extensive maintenance and repair as a result of the FY2011 levee inspections.

Current project funding received through the O&M program does not meet growing deferred maintenance requirements for the six flood risk management projects and 38 miles of flood control channels and levees within the flood control system. The project is currently funded at less than 8% of O&M capability; causing a continued increase in deferred maintenance, repairs, and inspections needed to properly O&M the LACDA system.

CONGRESSIONAL INTEREST:
Congresspersons Cardenas (CA-29), Sherman (CA-30), Napolitano (CA-32), Bass (CA-37), Sanchez (CA-38), Roybal-Allard (CA-40), Barragan (CA-44)