

Los Angeles Basin Stormwater Conservation Study

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The Los Angeles Basin Stormwater Conservation Study (Basin Study) is a partnership between the Los Angeles County Flood Control District (LACFCD) and the Bureau of Reclamation, Southern California Area Office. The Basin Study encompasses 1,900 square miles and includes the Los Angeles River, San Gabriel River, North Santa Monica Bay, South Santa Monica Bay, Dominguez Channel/Los Angeles Harbor, and Ballona Creek watersheds. The Basin Study area is home to over 10 million people, over 25% of the state's population. Water usage exceeded 1.6 million acre-feet in water year 2010-2011¹, and local regional planning efforts project a potential 800,000 acre-feet/year shortfall by 2025². This shortfall could be exacerbated by climate variability as the area is affected by changes in ocean temperatures and currents that occur over months, years or decades as evidenced by phenomena such as the El Nino and La Nina cycles.

The purpose of the Basin Study is to identify alternatives, conduct trade-off analyses and develop recommendations for bridging the gap between current and future water supply and water demand in the Basin Study watersheds. The Basin Study has two objectives. The first is to evaluate the long-term potential of existing LACFCD flood control dams, reservoirs, spreading grounds, and other interrelated facilities to conserve increased amounts of stormwater for water supply. The second objective is to analyze the potential for new facilities and operational changes to capture increased stormwater volumes for water supply. Each objective will be met through detailed scientific, engineering, and economic analyses.



The Basin Study is estimated to cost \$2.4 million dollars. The LACFCD and 21 local project partners will contribute approximately \$1.4 million dollars towards completion of the Basin Study, and Reclamation will fund up to \$1 million dollars, subject to funding availability.

¹ MWD Calculations, IRPSIM Sales Model Projection 20a2, January 2012.

² Greater Los Angeles County Integrated Regional Water Management Plan, 2006, pg. 2-18, <http://www.ladpw.org/wmd/irwmp>. Metropolitan's Integrated Resources Plan proposes that its member agencies develop projects to increase local water production and conservation, and further suggests that financial incentives can facilitate some of those projects to fill the gap.

