BUREAU OF RECLAMATION

Infrastructure Investment and Jobs Act, (Public Law 117-58), Title IX—Western Water Infrastructure, Section 40905: Feasibility Study Review Findings

U.S. Department of the Interior, Bureau of Reclamation's Large-Scale Water Recycling Program

Prepared for

Committee on Energy and Natural Resources of the Senate
Committee on Natural Resources of the House of Representatives

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Mission Statements

The U.S. Department of the Interior protects and manages the Nation's natural resources and cultural heritage; provides scientific and other information about those resources; honors its trust responsibilities or special commitments to American Indians, Alaska Natives, Native Hawaiians, and affiliated Island Communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

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Introduction

This report is provided in accordance with Section 40905 of the Infrastructure Investment and Jobs Act (IIJA)– Title IX Western Water Infrastructure (Public Law 117-58).

Section 40905 of the IIJA authorizes the Bureau of Reclamation (Reclamation) to provide cost-shared grant funding for up to 25 percent of total costs of planning, design, and construction of Large-Scale Water Recycling projects. Large-Scale Water Recycling projects are defined as projects that reclaim or reuse wastewater or impaired water sources and have a total project cost of $500 million or more.

In accordance with Section 40905 of the IIJA, projects are eligible to compete for funding after a project sponsor completes a feasibility study, and Reclamation determines that it meets the requirements outlined in the Reclamation Manual Directives and Standards WTR 11-01, as well as the additional requirements established in WTR TRMR-128, Large-Scale Water Recycling Program Feasibility Study Review Process. Together, WTR 11-01 and TRMR-128 provide structured guidance for feasibility study reviews and ensure that studies meet applicable legislative requirements. Specifically, Reclamation's review confirms that:

- The project is technically and financially feasible, provides a Federal benefit in accordance with the reclamation laws;
- The feasibility study is consistent with applicable Federal and state laws; and
- The study includes the additional elements required under TRMR-128, including a more in-depth alternatives analysis, a detailed benefit-cost economic analysis, and documentation of independent peer review.

Feasibility Reviews and Determinations

Section 40905 of the Infrastructure Investment and Jobs Act requires the Secretary of the Interior to submit a report to Congress describing the results of feasibility study reviews for large-scale water recycling projects. This report summarizes the five feasibility study reviews completed since the previous Feasibility Study Review Findings report was transmitted to Congress in 2025. As shown in Figure 1, all five feasibility studies were determined to meet the requirements of WTR 11-01 and TRMR-128.

As a result of meeting requirements outlined in WTR 11-01 and TRMR-128, these projects, as defined by the feasibility study, are eligible for funding through the competitive Large-Scale Water Recycling grant program. Reclamation uses annual competitive funding opportunities to allocate IIJA funds available for this program. The total Federal funding received may not exceed 25 percent of the total project cost.

Prior to receiving funding, projects must also comply with all applicable environmental laws, including the National Environmental Policy Act of 1969 (42 U.S.C. 4321 et seq.), and all

project sponsors must demonstrate that they have sufficient non-Federal funding available to complete the project and are financially solvent.

Project Summaries

Provided below is a summary of the five projects, including the project sponsors, location, project description, and total estimated project costs.

City of Los Angeles	Padre Dam Water District	City of Phoenix	City of San Diego	Tarrant Regional Water District
Project Title: Pure Water Los Angeles Program Phase 1	**Project Title:** East County Advanced Water Purification Project	**Project Title:** Advanced Water Purification Facility Large Scale	**Project Title:** Pure Water San Diego	**Project Title:** Marty Leonard Wetlands Reuse Project
Estimated Project Costs: $3,350,000,000	**Estimated Project Costs:** $860,200,000	**Estimated Project Costs:** $3,652,000,000	**Estimated Project Costs:** $1,964,333,465	**Estimated Project Costs:** $755,504,000

Figure 1.—Feasibility studies reviewed by Reclamation.

2City of Los Angeles

Project: Pure Water Los Angeles Program Phase 1
Location: Los Angeles, CA
Review Completed: August 24, 2026

The City of Los Angeles is planning the Pure Water Los Angeles Program Phase 1, which will reduce the City's reliance on imported water by producing 56,000 acre-feet per year of drought-resistant, locally sourced recycled water through advanced wastewater purification. Primary benefits include improved water supply reliability, reduced nutrient discharges to Santa Monica Bay, and increased drought resilience. Major components of Phase 1 include improvements to existing treatment facilities and conveyance systems needed to support advanced water treatment processes, a fine screens facility, new equalization tanks to manage flow variations, and new membrane bioreactor treatment facilities at the Hyperion Water Reclamation Plant to improve wastewater quality before advanced purification.

Total Estimated Project Costs: $3,350,000,000

3Padre Dam Water District

Project: East County Advanced Water Purification Project
Location: Santee, CA
Review Completed: June 24, 2026

Padre Dam Water District, in coordination with other members of the East County Water Purification Joint Powers Authority, completed the planning of the East County Advanced Water Purification Project to develop new purified water supplies for East San Diego County through the advanced treatment of wastewater effluent. The project is expected to provide 12,880 acre-feet per year of potable recycled water and an additional 1,350 acre-feet per year of non-potable recycled water for irrigation. The project will help meet the region's drinking water needs, reduce reliance on imported water, and improve water quality in local reservoirs. Major project components include a water recycling facility, a solids handling facility, an advanced water purification facility, a pipeline to convey purified water to Lake Jennings, and pipelines to manage residuals generated during the treatment process.

Total Estimated Project Costs: $860,200,000

4City of Phoenix

Project: Advanced Water Purification Facility Large Scale
Location: Phoenix, AZ
Review Completed: June 12, 2026

The City of Phoenix evaluated options for water reuse in the Phoenix metro area. As a result of the evaluation, the City will construct a regional advanced water purification facility (AWPF) that will further treat effluent from the 91st Avenue Wastewater Treatment Plant to develop a new, drought-resilient potable water supply. The project is expected to provide up to 71,700 acre-feet per year of purified water to support drinking water supplies, improving long-term water supply reliability, reducing reliance on Colorado River supplies, and conserving groundwater. Major components include source-water conveyance, a new lift station, a pilot facility, a full-scale AWPF, purified water conveyance pipelines, and infrastructure to manage concentrate generated during the treatment process.

Total Estimated Project Costs: $3,652,000,000

5City of San Diego

Project: Pure Water San Diego, North City Project
Location: San Diego, CA
Review Completed: May 19, 2026

The City of San Diego planned the North City Project, the first phase of the City's Pure Water Program. The project includes a 30-million-gallon-per-day water recycling facility and related infrastructure to integrate the new water supply into the City's existing water system. The project is expected to produce 33,600 acre-feet of potable recycled water supply annually, reducing the City's reliance on imported water, reducing wastewater flows to the Point Loma Wastewater Treatment Plant, and reducing discharges of treated effluent to the Pacific Ocean. The purified water will be conveyed to the Miramar Reservoir, where it will be stored and blended with reservoir water before receiving additional treatment at the Miramar Drinking Water Treatment Plant for potable use. Major project components include construction of pump stations and pipelines, expansion of the North City Water Reclamation Plant, and advanced water purification facilities at the North City Pure Water Facility.

Total Estimated Project Costs: $1,964,333,465

6Tarrant Regional Water District

Project: Marty Leonard Wetlands Reuse Project
Location: Fort Worth, TX
Review Completed: April 2, 2026

The Tarrant Regional Water District assessed the feasibility of the Marty Leonard Wetlands Reuse Project to expand water supplies in North Texas. The project will provide up to an additional 108,455 acre-feet of treated water annually for reuse while improving downstream water quality. Major project components include a Trinity River intake and pump station, raw-water pipelines, sedimentation basins, a 3,020-acre constructed wetland system, a relift pump station, and pipelines to convey treated water to Cedar Creek Reservoir. The intake, pump station, and pipelines will convey water from the Trinity River to the sedimentation basins and constructed wetlands, where natural processes would remove nutrients and suspended solids before the treated water is conveyed to Cedar Creek Reservoir for reuse.

Total Estimated Project Costs: $755,504,000