PURE WATER

LOS ANGELES

Los Angeles Department of Water & Power — LADWP

LA SANITATION environment — CITY OF LOS ANGELES — zero waste · zero wasted water

BACKGROUND

Pure Water Los Angeles is a collaborative effort between the Los Angeles Department of Water and Power (LADWP) and Los Angeles Sanitation and Environment (LASAN) to purify recycled water, providing a reliable, sustainable, and safe local water supply for the City of Los Angeles. It will increase and optimize the City's local supplies and support the transition to 70 percent local water.

Through the program, LASAN will upgrade the Hyperion Water Reclamation Plant's secondary process with Membrane Bioreactors to produce a higher-quality water. This water will be further purified at a new Advanced Water Purification Facility to create up to 210 million gallons of advanced treated water per day.

LADWP will build new infrastructure to distribute the purified water throughout the City for potable reuse applications, including Indirect Potable Reuse and Direct Potable Reuse.

WHY PURE WATER LOS ANGELES?

Other than the Los Angeles Aqueduct, the City of Los Angeles' only sources of imported water are the costly Colorado River and State Water Project. All are facing their own challenges as the arid West grapples with the overallocation of water rights and climate change.

Pure Water Los Angeles reduces L.A.'s dependence on purchased water sources and improves regional reliability. It allows the City to further expand its water supply portfolio and increase LADWP's water supply resiliency to climate change, drought, and natural disasters like earthquakes.

VISION

Increase and optimize the City's local supplies and support the transition to 70 percent local water by maximizing the production of purified recycled water as part of a diversified water portfolio in an affordable manner to mitigate risks from climate change and ensure an equitable and resilient future for the region.

MISSION

Partner across the region to build and operate a world-class advanced recycled water system to replenish local groundwater basins and support future direct potable reuse applications.

PROGRAM GOALS

Develop and Maximize Hyperion as a New, Sustainable Local Water Supply

Construct New and Upgrade Existing City Infrastructure in a Cost-Effective and Responsible Manner

Increase the Resiliency, Reliability, and Sustainability of the City's Wastewater and Water Supply Systems

Diversify Los Angeles' Water Supply Portfolio

Provide Community and Equity Benefits

Protect Santa Monica Bay and Enhance Ecosystem Health Across the L.A. Basin

Visit the website to learn more:
ladwp.com/PureWaterLosAngeles

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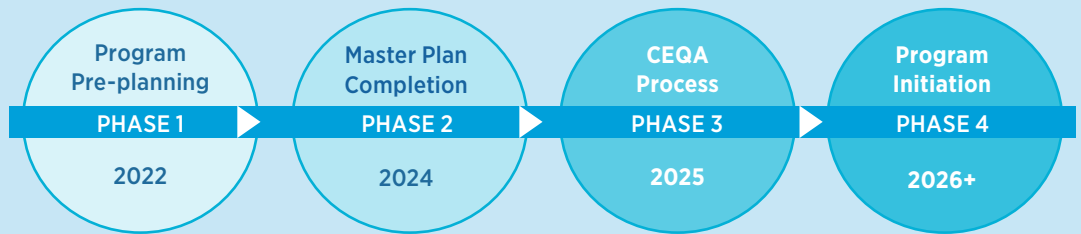
MASTER PLAN

In 2022, LADWP initiated the Pure Water Los Angeles Master Plan. The goal of this plan is to validate the program pre-planning efforts developed by LADWP. An external firm is creating the Master Plan with support from LADWP and LASAN, which will assess the program's vision, infrastructure needs, and supply management strategy. The plan is expected to be finalized by the end of 2024 and will determine the timeline, costs, and partnerships necessary for implementing the proposed program components.

PROPOSED PROGRAM COMPONENTS

INDIRECT POTABLE REUSE TREATMENT
Advanced Water Treatment Facilities

TRUNKLINE
Over 40 miles of new trunkline

PUMP STATION
3 new facilities

STORAGE TANKS
3 new 9-million-gallon storage tank facilities

DIRECT POTABLE REUSE TREATMENT
1 new DPR treatment facility

GROUNDWATER TREATMENT
2 new GW treatment facilities

WELL FIELDS
2 new production well fields

POWER IMPROVEMENTS
New power system facilities

Program components are subject to change depending on the final scope of the program.

PROGRAM COSTS

- **ESTIMATED COST:** $21-26B
- LADWP and LASAN are seeking grants and partnership opportunities to reduce the impact on future rates.

Program Pre-planning	Master Plan Completion	CEQA Process	Program Initiation
PHASE 1	PHASE 2	PHASE 3	PHASE 4
2022	2024	2025	2026+

COMMUNITY ENGAGEMENT AND OUTREACH

LADWP and LASAN are committed to open and inclusive community engagement to implement the phases of the Pure Water Los Angeles program. Both agencies recognize the importance of robust community outreach and engagement to contribute to the program's success. Pure Water Los Angeles commits to fostering strong partnerships with community groups, elected officials, environmental leaders, and other stakeholders to ensure that the public's voice is heard throughout the program's life-cycle. Community input and collaboration will be prioritized during the development of the Master Plan, the Programmatic Environmental Impact Report, and the subsequent implementation of individual projects.

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Program Partners

WRD