LA DWP

Operation NEXT
Fact Sheet

The Los Angeles Department of Water and Power (LADWP) and Los Angeles Sanitation and Environment (LASAN) are jointly pursuing two major programs, Operation NEXT (Program) and Hyperion 2035, that will help the City of Los Angeles achieve its local water supply goals. Through Hyperion 2035, LASAN plans to retrofit and modernize the Hyperion Water Reclamation Plant to improve source water quality for eventual production of advanced purified recycled water. Through Operation NEXT, LADWP will be able to maximize this new supply by constructing the infrastructure to transport this purified recycled water to several groundwater basin aquifers for integration into the distribution system for **indirect** potable reuse. As regulations evolve, the water will be further treated and sent directly to the Los Angeles Aqueduct Filtration Plant for additional purification as **direct** potable reuse.

WHY OPERATION NEXT?
The City of Los Angeles has been dependent on costly imported water for decades, including the State Water Project in Sacramento and the Colorado River, both of which can be strained by drought conditions. Additionally, LADWP has transported water from the Eastern Sierra through the Los Angeles Aqueduct for over 100 years. While this water is the most affordable available due to long-standing water rights held by the City of Los Angeles, environmental issues and climate change may strain water deliveries from this source. Operation NEXT will reduce dependence on these unreliable supplies and provide water security and reliability to the City of Los Angeles through purified recycled water. This will help increase LA's local water supplies and provide protection against climate change and increasingly strained imported water supplies.

PROGRAM BENEFITS					
Reliability	Resilience	Sustainability	Cost-Effectiveness	Environmental Stewardship	Community and Economic Benefits

MASTER PLAN
In January 2022, LADWP began developing the Operation NEXT Master Plan to independently evaluate and adjust preplanning efforts, identify long-term planning strategies and provide recommendations on the transportation and management of this new reliable and sustainable water source. The Plan is anticipated to be completed in early 2024.

FUTURE INFRASTRUCTURE
Prior to this master planning process, LADWP partnered with the Water Replenishment District (WRD) of Southern California to tentatively identify optimal locations in Los Angeles to place the new purified recycled water from Hyperion. Two local underground aquifers within Los Angeles County were identified: West Coast and Central Groundwater Basins. The porous and permeable soils of these basins make them perfect storage sites for water that can later be used. LADWP will also transport this purified recycled water to the San Fernando Groundwater Basin for storage and to supplement water sources treated at the Los Angeles Aqueduct Filtration Plant before finally being placed into our existing distribution system.
- Advanced Water Purification Facility at Hyperion
- Pump Stations
- Storage Tanks
- Well Fields
- Direct Potable Reuse Treatment
- Groundwater Treatment

PROGRAM COSTS
- **Estimated Cost:** $16.9 Billion (2023 Estimate)
- **Estimated Cost of Water per Acre Feet (AF):** $1,100/AF - $1,500/AF
- LADWP is seeking grants and partnership opportunities to reduce impact to future rates.

COMMUNITY OUTREACH AND ENGAGEMENT
Robust communication and community engagement will be critical to the planning, development and implementation of Operation NEXT.

Early Stakeholder Input	60% Draft Master Plan	90% Draft Final Master Plan
PHASE 1	PHASE 2	PHASE 3
Q3 2023	Q4 2023	Q1 2024

Through each of these phases, LADWP will work with agency partners, community groups, elected officials, environmental leaders, Neighborhood Councils, and others to foster a high level of collaboration and regional partnerships to support Operation NEXT. Following completion of the Master Plan, LADWP will work to complete a Programmatic Environmental Impact Report (PEIR). Once completed, the PEIR will allow LADWP to begin to initiate individual projects as decided by the Master Plan.

Program Partners
LA Sanitation environment · WRD