Programmatic Environmental Impact Report Scoping Meeting

Scoping Meeting Purpose

- Provide overview of the preliminary concept of the project and the California Environmental Quality Act (CEQA) process
- Encourage and solicit scoping comments from public and agencies
  - Scoping comments should be aimed at discussing the scope and content of the Program Environmental Impact Report (EIR)
  - Agency and public input being requested includes, but is not limited to, the scope of alternatives, proposed level of treatment, and potential facility locations

- Track all scoping comments for consideration in development of the EIR
- The public comment period is from August 28, 2025 through October 12, 2025 (at 5:00pm)

PURE WATER LOS ANGELES

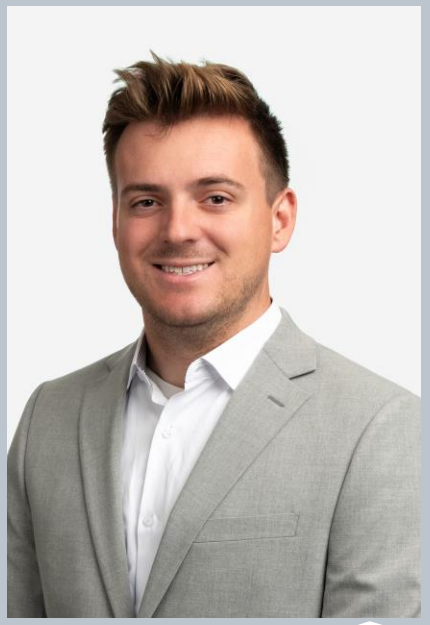
Today’s Presenters

Manik Mohandas

Pure Water Los Angeles
LASAN, Environmental Engineer

Johnathan Chan

Pure Water Los Angeles
LADWP, Civil Engineer Assoc.



Marshall Cyr

LADWP
Environmental Specialist

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LA Sanitation & Environment
Source Water

+

LA Department of Water and Power
Finished Water & Distribution

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Pure Water Los Angeles

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What is Pure Water Los Angeles?

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The augmentation of local water supplies by producing up to 230 million gallons per day of purified recycled water for the City.

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Program Vision & Mission

Vision: Increase and optimize the City's local supplies and support the transition to seventy 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.

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Program Goals

Maximize Reuse of Wastewater Effluent from Hyperion Water Reclamation Plant to Create a New and Sustainable Local Water Supply

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

Urgently Implement Water Strategies to Diversify Los Angeles' Water Supply Portfolio

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

Protect Santa Monica Bay and Enhance Ecosystem Health across the LA Basin

Provide Community & Equity Benefits

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Pure Water Los Angeles Program Need

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Current Water Supply Sources

Historical Imports

Eastern Sierra via the
Los Angeles Aqueduct

Imported Purchased Water

Northern Sierra and Sacramento-San Joaquin Delta
via the California State Water Project
Colorado River via the Colorado River Aqueduct

Local Water

Local Water Supplies including groundwater,
recycled water, and conservation

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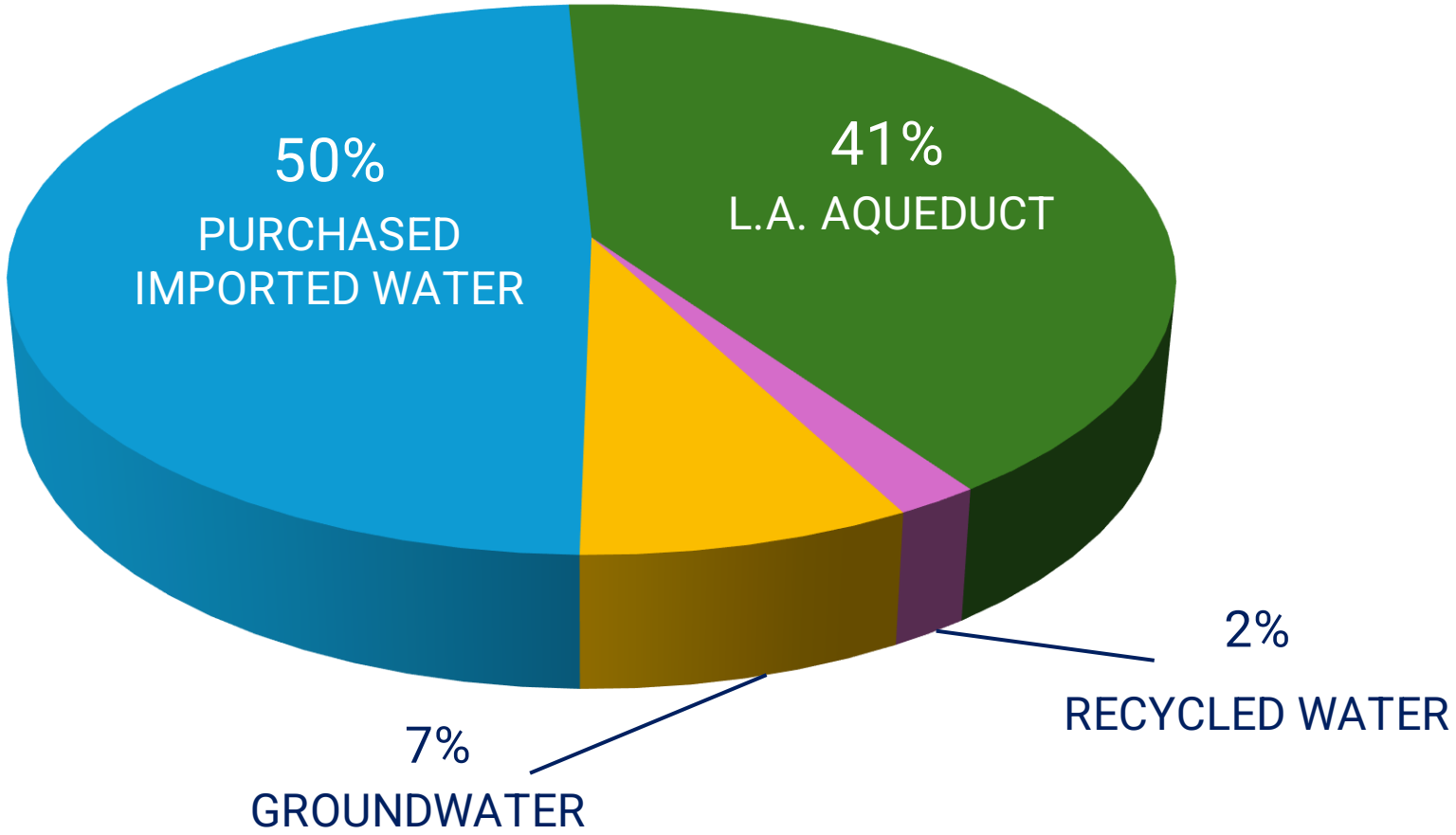
Water Supply Sources

5-year average, FY 2020-2024



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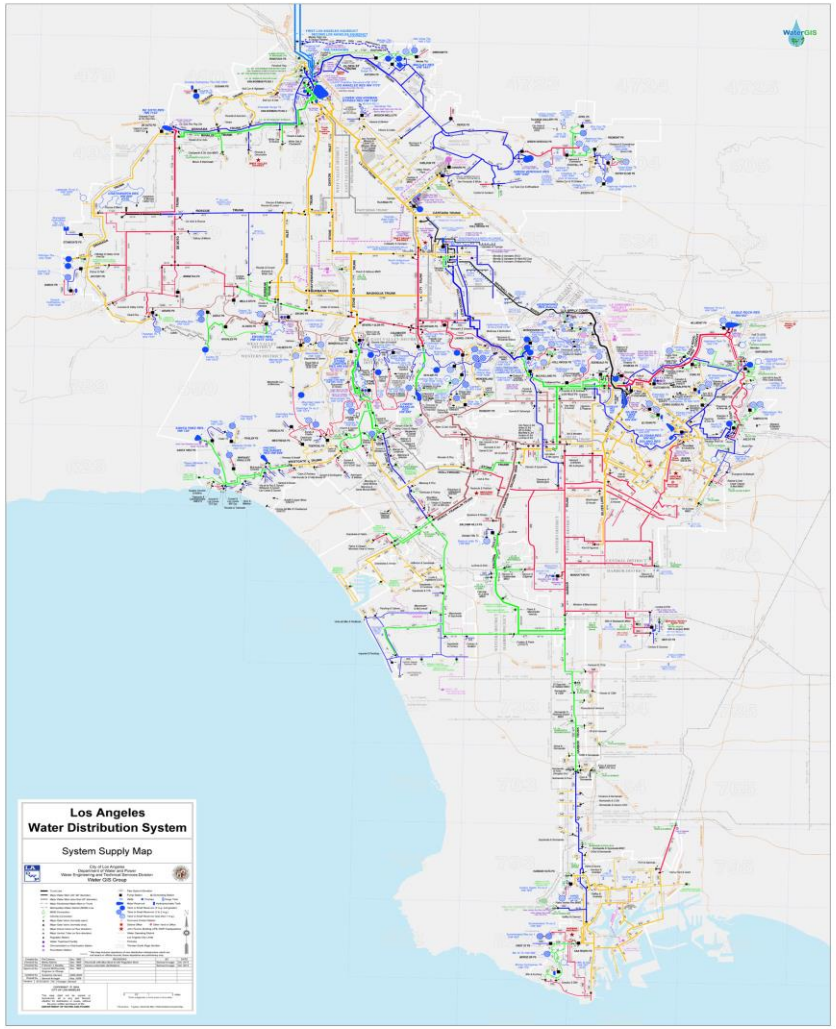
Water System Operation

- Majority of supply enters at Los Angeles Aqueduct Filtration Plant
- System primarily gravity-fed north-to-south
- Over 700,000 water service connections
- Certain communities primarily rely on MWD supplies
- Distribution system can integrate MWD imports and local groundwater for supply redundancy.



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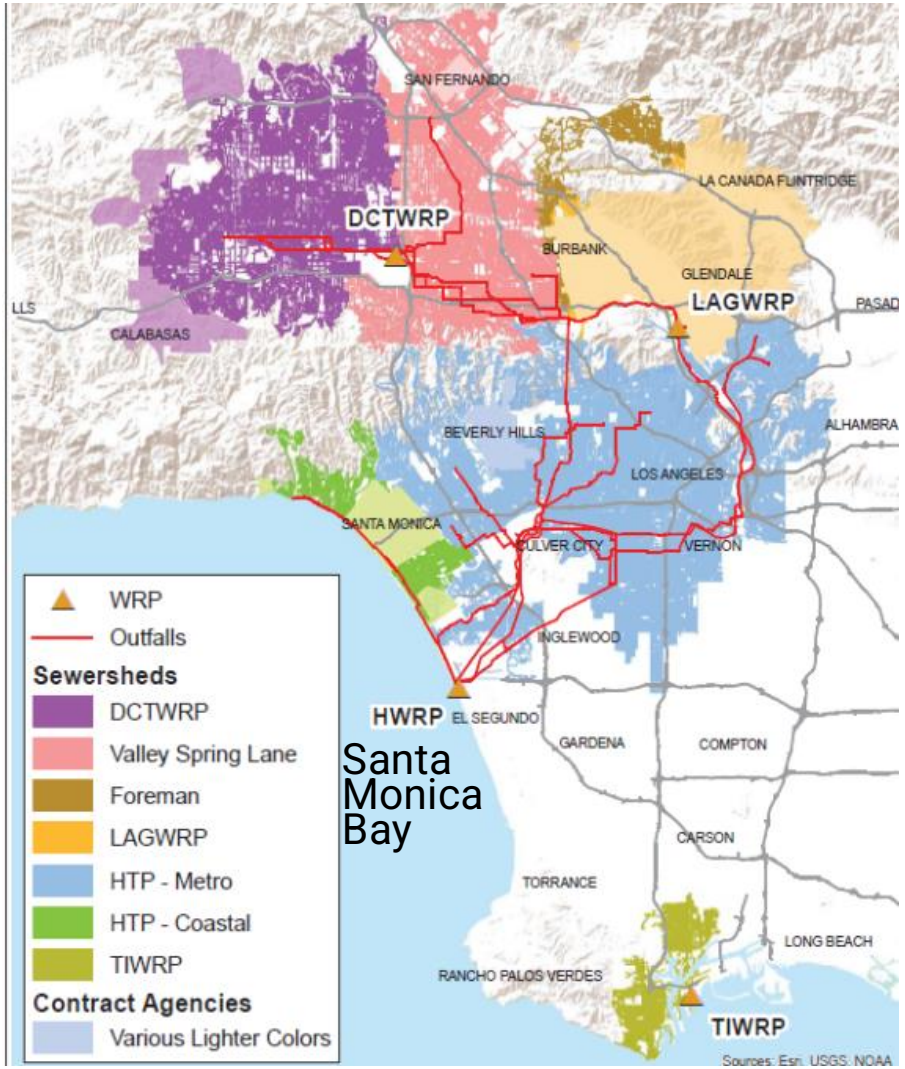
Capacity for Water Recycling



- Where wastewater comes from
  - 4.7 million people
  - 600 square miles
  - 29 contract agencies
  - 6,700 miles of sewers
  - Serves residential, commercial and industrial users
- Hyperion Water Reclamation Plant
  - Receives an average of 260 million gallons per day (85% of system total)
  - Secondary treatment of wastewater
  - Treated wastewater is discharged to the Santa Monica Bay

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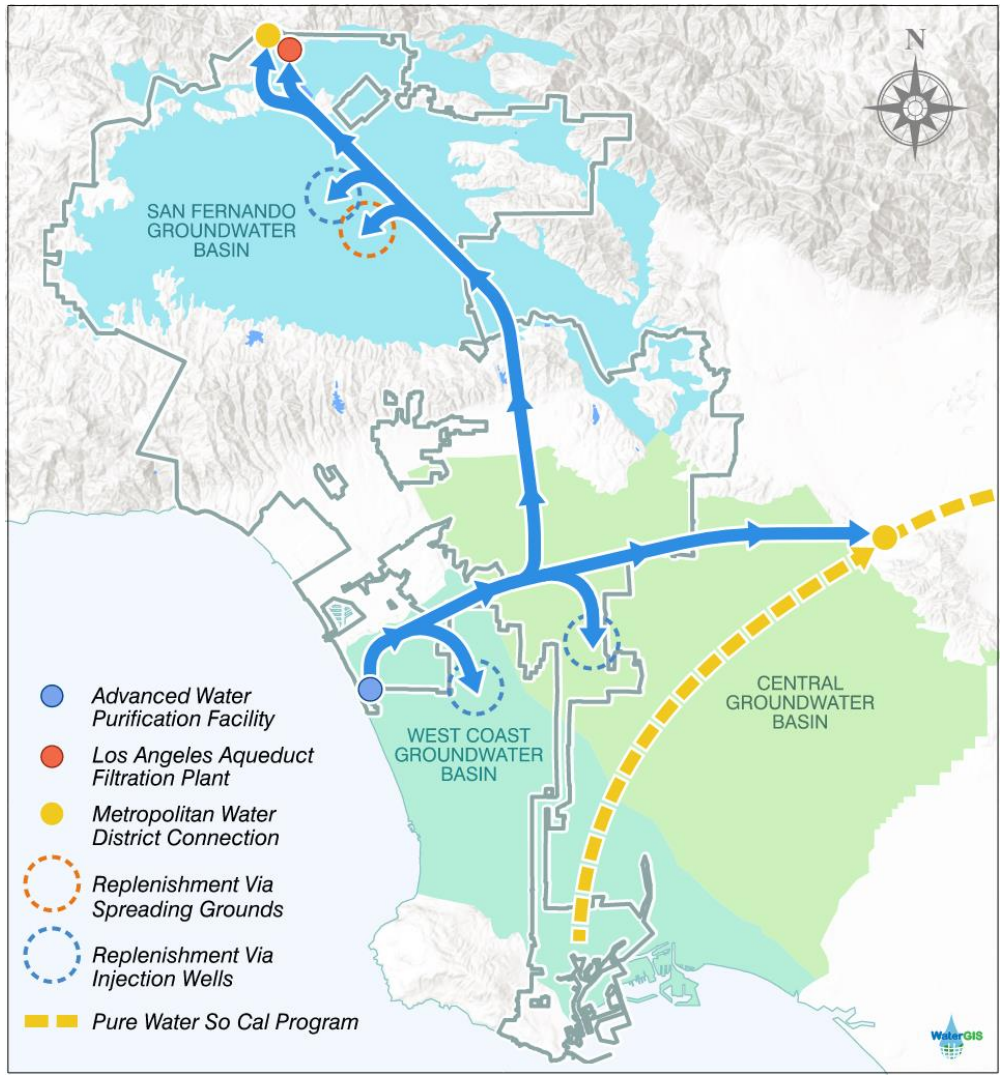
Pure Water Los Angeles Program Description

Pure Water Los Angeles Program



Used water (wastewater) from residents and businesses of LA is treated at Hyperion Water Reclamation Plant.

Next, treated wastewater would be purified at the Advanced Water Purification Facility (location or locations to be determined).

The purified recycled water would be conveyed to groundwater basins for storage, to MWD, or to the Los Angeles Aqueduct Filtration Plant for additional treatment and potable reuse.

Up to 230,000,000 gallons per day of new, resilient drinking water for LA

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Advanced Purified Water Facilities and Projects Nationwide

Source: OneWater Nevada

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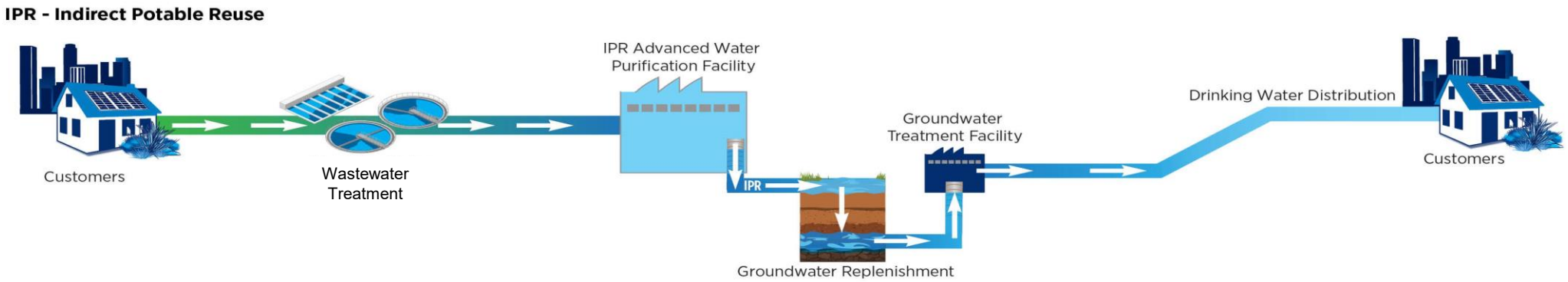
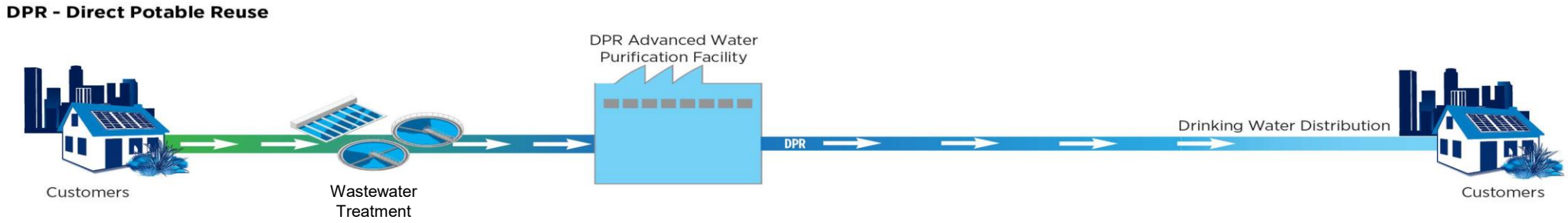
Indirect Potable Reuse (IPR)



Direct Potable Reuse (DPR)



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Advanced Purified Recycled Water Technologies

Technology	Purpose
MF (Microfiltration)	Removes suspended solids, bacteria, and some viruses; acts as a first barrier for particulates and pathogens.
MBR (Membrane Bioreactor)	Combines biological treatment and membrane filtration; produces high-quality effluent and saves space.
RO (Reverse Osmosis)	Removes dissolved salts, trace organics, and contaminants of emerging concern; essential for high purity.
UV/AOP (Ultraviolet & Advanced Oxidation Process)	Inactivates pathogens and breaks down trace organics through oxidation; ensures safety.
Ozone + BAC (Activated Carbon)	A powerful oxidant used to disinfect water and break down contaminants. A filtration process that uses activated carbon to remove organic compounds and support microbial growth for further purification.
GAC (Granular Activated Carbon)	Final polishing step to remove remaining organics, PFAS, and improve aesthetics.
Post-Stabilization	Adjusts water chemistry and adds corrosion inhibitors for safe distribution.

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Hyperion Water Reclamation Plant

Hyperion Modifications - Phase 1A (Project Level Review)

- New pump stations
- Flow equalization tanks
- Screening facilities

Hyperion Membrane Bioreactor Facility Conversion

- A modern biological and membrane filtration treatment system
- Provide essential pretreatment for advanced purification
- Reduce pollutants discharged to Santa Monica Bay.

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Potential Program Options

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Treatment
- Direct Potable Reuse
- Indirect Potable Reuse
- Combination of IPR and DPR

Alignment
- Sepulveda
- Cahuenga
- Griffith Park
- Others

Capacity
- Up to 230 MGD

AWPF Location
- Hyperion
- Van Norman Complex
- Others

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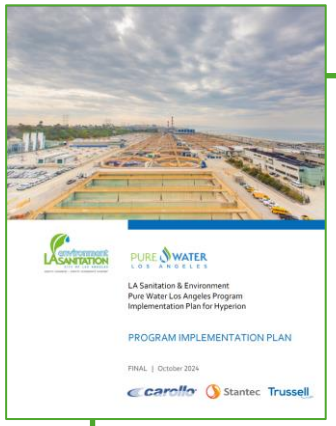
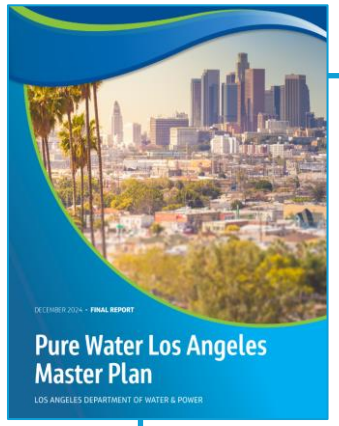
Program Planning Efforts: Key Documents



Program Implementation Plan (PIP)

- Modify existing treatment process to meet drinking water standards at Hyperion
- Phased approach and required infrastructure updates



Pure Water Los Angeles Master Plan (MP)

- Treatment processes to meet drinking water standards at alternative locations
- Implementation roadmap for construction of distribution system for purified recycled water

PIP and MP provide complementary deliverables that form the foundation on which the PEIR will build, and provide further detail on cost, schedule, and phasing for Pure Water Los Angeles.

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California Environmental Quality Act (CEQA)

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What is CEQA?

- California Environmental Quality Act, is a statute requiring state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible.
- The City's projects and activities are subject to review under CEQA.
- The environmental review process is a means by which the public interacts with agency decision makers and helps inform and influence the decision making process.

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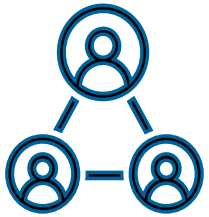
CEQA Purpose



Inform governmental decision makers and the public about potential significant environmental effects of proposed activities (and ultimately why the project was approved).

Disclose and evaluate the potential significant environmental impacts of proposed projects.

Identify ways that environmental damage can be avoided or significantly reduced.

Prevent significant, avoidable damage to the environment by requiring changes in projects through the use of alternatives or mitigation measures if feasible.

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Environmental Impact Report

- Transparent evaluation of potential environmental impacts of a project.
- The Notice of Preparation (NOP) is an initial scoping step to collect agency and public input on the scope and content of the EIR prior to the EIR being drafted.
- An Environmental Impact Report (EIR) will evaluate the whole of the project or program.

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Program EIR

- An EIR prepared on a series of actions that can be characterized as one large project and are related either:
  - Geographically
  - As logical parts in the chain of contemplated actions
  - In connection with issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program, or
  - As individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways.

Project EIR

- Most common kind of EIR
- Evaluates the environmental effects of a specific, defined development project, analyzing all phases, including planning, construction, and operation.
- Focuses on the site-specific impacts of a particular project.
- Provides a detailed analysis of environmental changes resulting from the project.

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PWLA Programmatic EIR

Elements	Options	Level of Analysis
Treatment	• Hyperion Modifications - Phase 1A	Project-level
	• Hyperion Membrane Bioreactor Facility	Program-level
	• Advanced Water Purification Facility	Program-level
	• Extraction Wellfields Groundwater Treatment	Program-level
Conveyance	• South-to-North Alignment Options to Connect the AWPF to the Los Angeles Aqueduct Filtration Plant	Program-level
	• West to East Alignment Options	Program-level
	• Connections to Metropolitan's Distribution System, Central Basin, and San Fernando Basin	Program-level
	• Connections to Edward C. Little Recycling Facility	Program-level
	• As-needed Connections to Existing Distribution System for DPR Water Supply	Program-level
Groundwater Recharge and Extraction	• Central Basin Injection and Extraction Wellfields	Program-level
	• San Fernando Basin Injection Wellfields	Program-level
	• San Fernando Basin Spreading Grounds	Program-level
	• San Fernando Basin Stormwater Capture Parks	Program-level

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Environmental Factors to be Covered in the EIR


Aesthetics


Agriculture and Forestry Resources

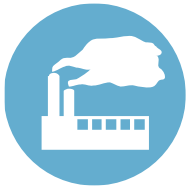

Air Quality


Biological Resources


Cultural Resources


Energy


Environmental Justice


Greenhouse Gas Emissions


Groundwater


Geology and Soils


Hazards and Hazardous Materials


Hydrology and Water Quality


Land Use


Mineral Resources


Noise


Population and Housing/ Growth


Public Services


Recreation


Transportation


Tribal Cultural Resources


Utilities and Service Systems


Wildfire

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How are Environmental Impacts determined?

Each environmental factor has a threshold for environmental impact, determined by the Lead Agency.

Impact Determinations:

- No Impact: The project will not cause any change to the environment in this category.
- Less Than Significant Impact: The project will cause some change, but it will not be significant enough to require mitigation.
- Less Than Significant with Mitigation: The project will cause significant impacts, but these can be reduced to less than significant levels with the implementation of mitigation measures.
- Significant and Unavoidable Impact: The project will cause significant impacts that cannot be fully mitigated, even with all feasible measures in place.

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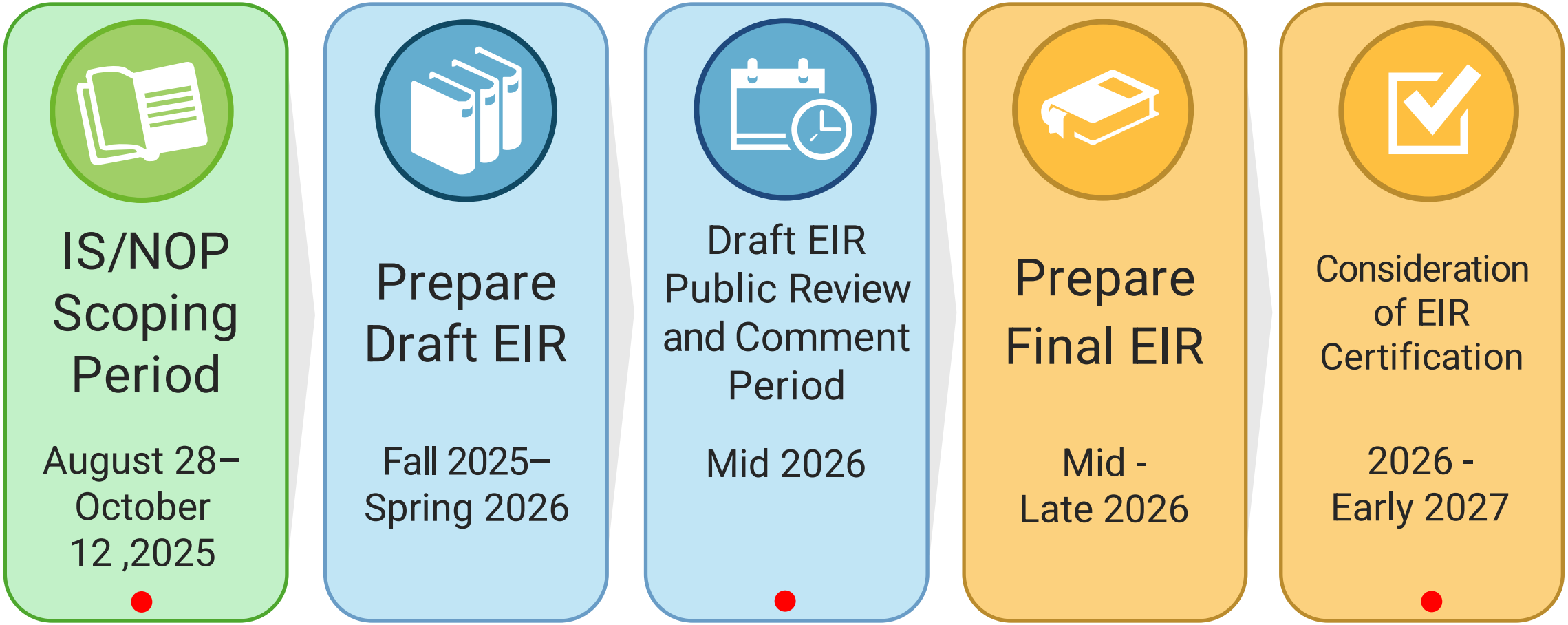
CEQA Timeline



● Opportunities for public input

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How to Stay Informed

For Documents and News:

PureWaterLosAngeles.com

For Program CEQA Information:

http://www.ladwp.com/PureWaterLosAngelesCEQA

For Questions

PureWaterLosAngeles@ladwp.com

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Thank you!