



# Operation NEXT

## Water Supply Program

[OperationNEXT@ladwp.com](mailto:OperationNEXT@ladwp.com)

\*Current Life Cycle Phase For Operation NEXT: Conceptual  
**Impacts based on "Aggressive Scenario" - class V conceptual estimate**

# Water Supply

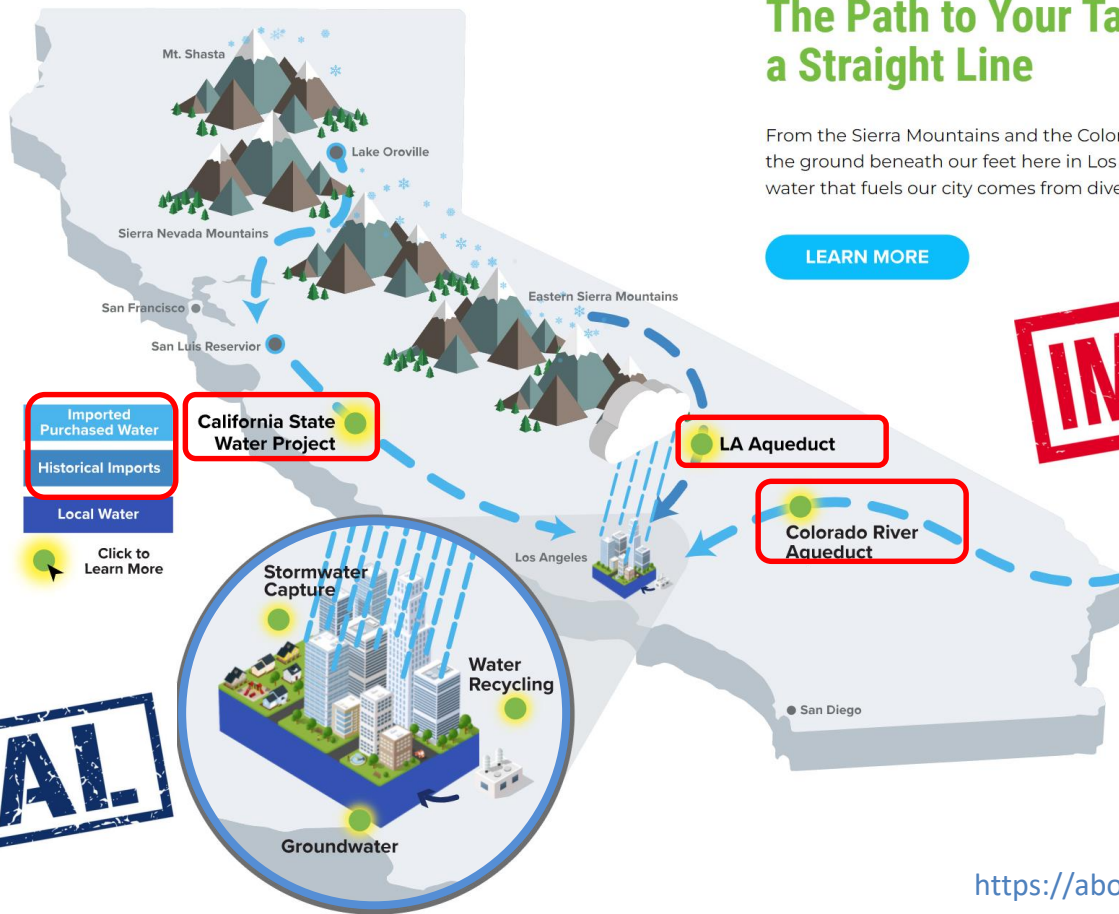
## The Path to Your Tap Isn't a Straight Line

From the Sierra Mountains and the Colorado River to the ground beneath our feet here in Los Angeles, the water that fuels our city comes from diverse sources.

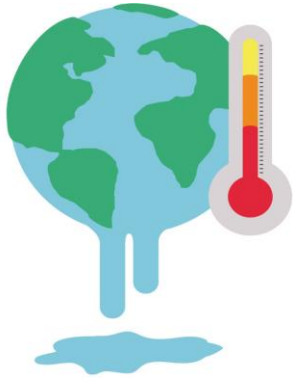
LEARN MORE

**IMPORTED**

**LOCAL**



# Impacts: Social & Economical Impacts due to Limited Supply

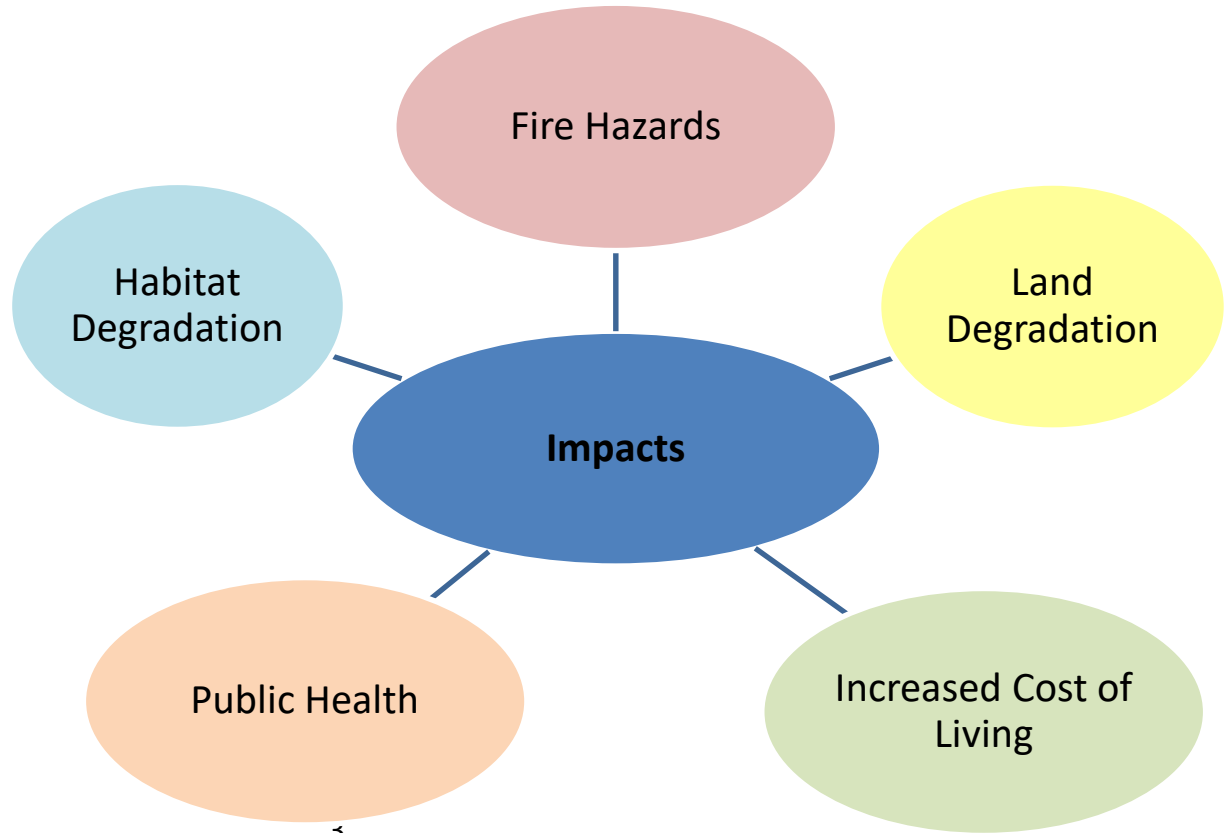


## Emergency Drought Proclamations

### Metropolitan Declares Drought Emergency

Metropolitan Board of Directors calls for increased conservation and expands water efficiency programs

Nov. 9, 2021



# Mitigation: Increase Local Supply (Goals)

OpNEXT as mitigation tool  
(supply driven Program)

OpNEXT will provide the  
Los Angeles region:

- Reliability
- Sustainability
- Resilience



\*Total amount of water exported from the Eastern Sierra will remain consistent with historical exports.

# Scope

## Objective:

Maximize supply from the Hyperion Water Reclamation Plant for **beneficial reuse** for the City of Los Angeles.

Estimated new supply:

– 243K AFY- 336 CFS -217 MGD

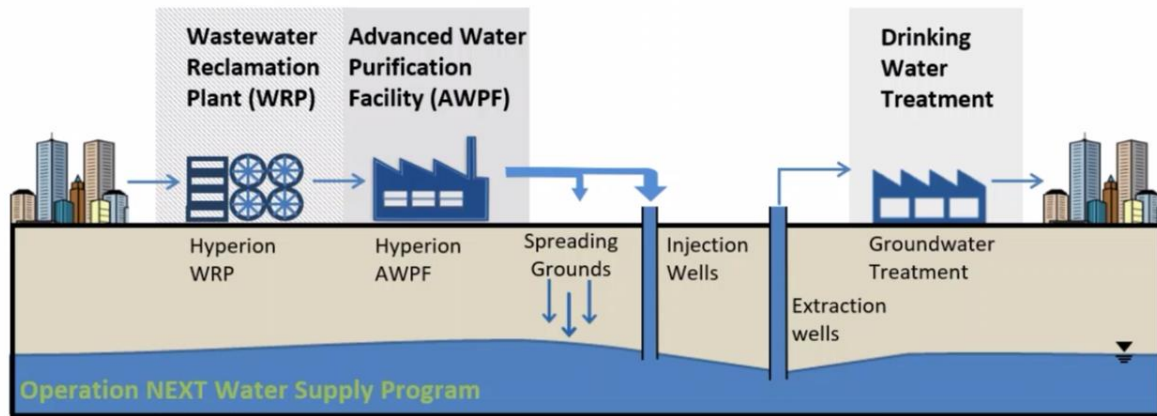
City Demand:

– ~500k AFY



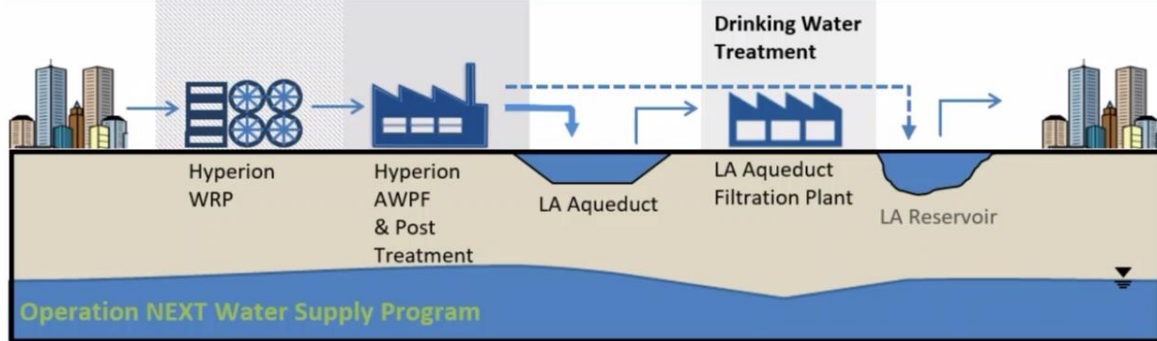
# OpNEXT Supply: Strategy & Applications

## Proposed OpNEXT Hybrid Applications



**IPR - Groundwater Replenishment**

**±25%**

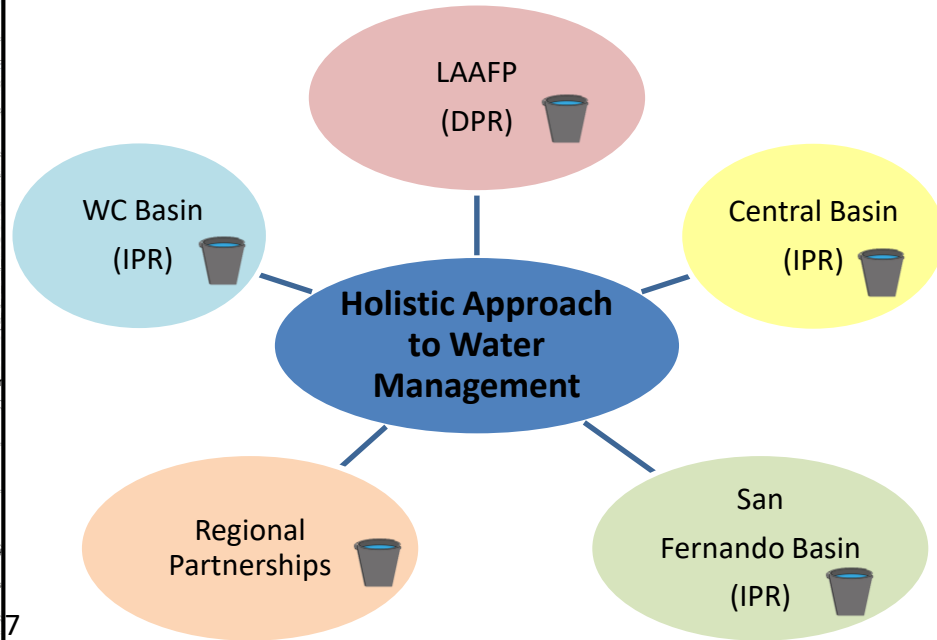
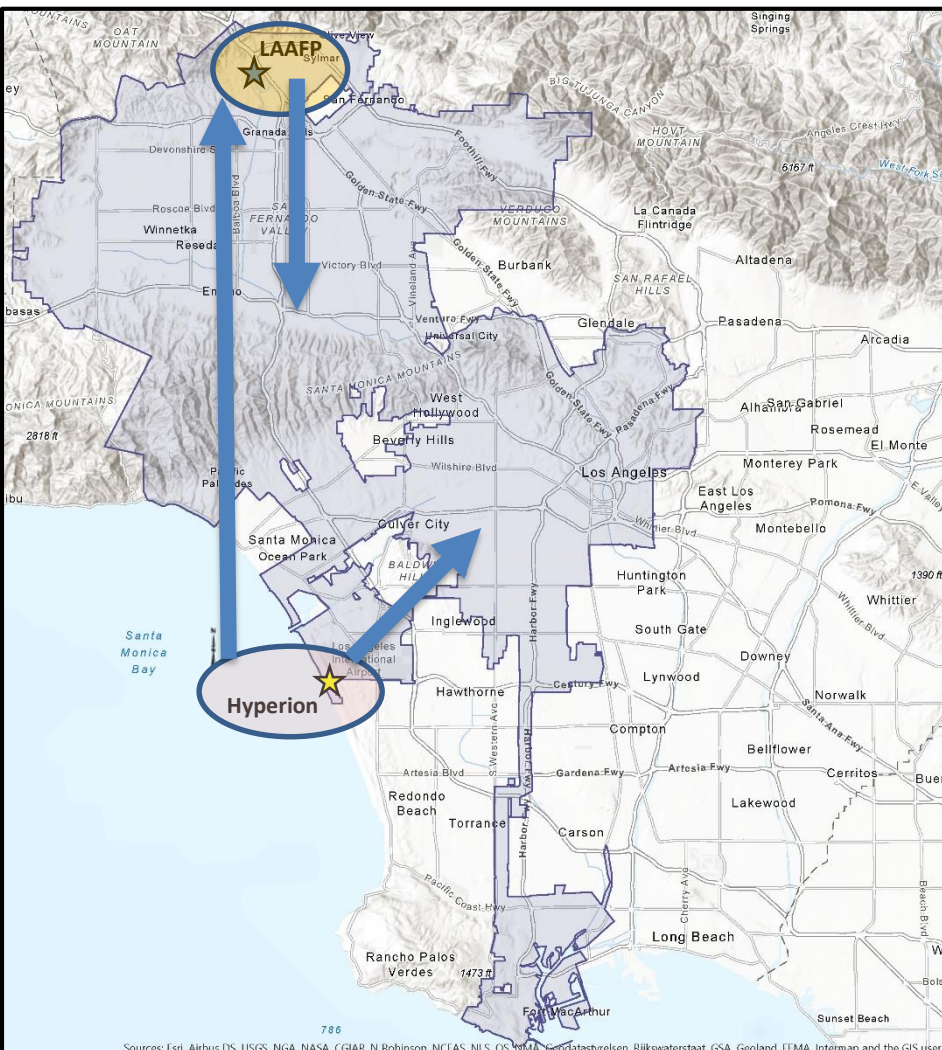


**DPR - Raw Water and/or Treated Water Augmentation**

**±75%**

# OpNEXT: Supply Management

- ✓ **Los Angeles Aqueduct Filtration Plant (LADWP)**
  - ✓ *Origin of most of supply for LA City (70%~).*
- ✓ **Hyperion Water Reclamation Plant (LASAN)**
  - ✓ *Future Advanced Water Purification Facilities*



# OpNEXT: Supply Management

## 1- West Coast Basin



➤ 120,000 AF of storage potential

### Opportunities

- ✓ Replenish Basin and participate in WRD's RBWRP
- ✓ Provide new local supply for Harbor area





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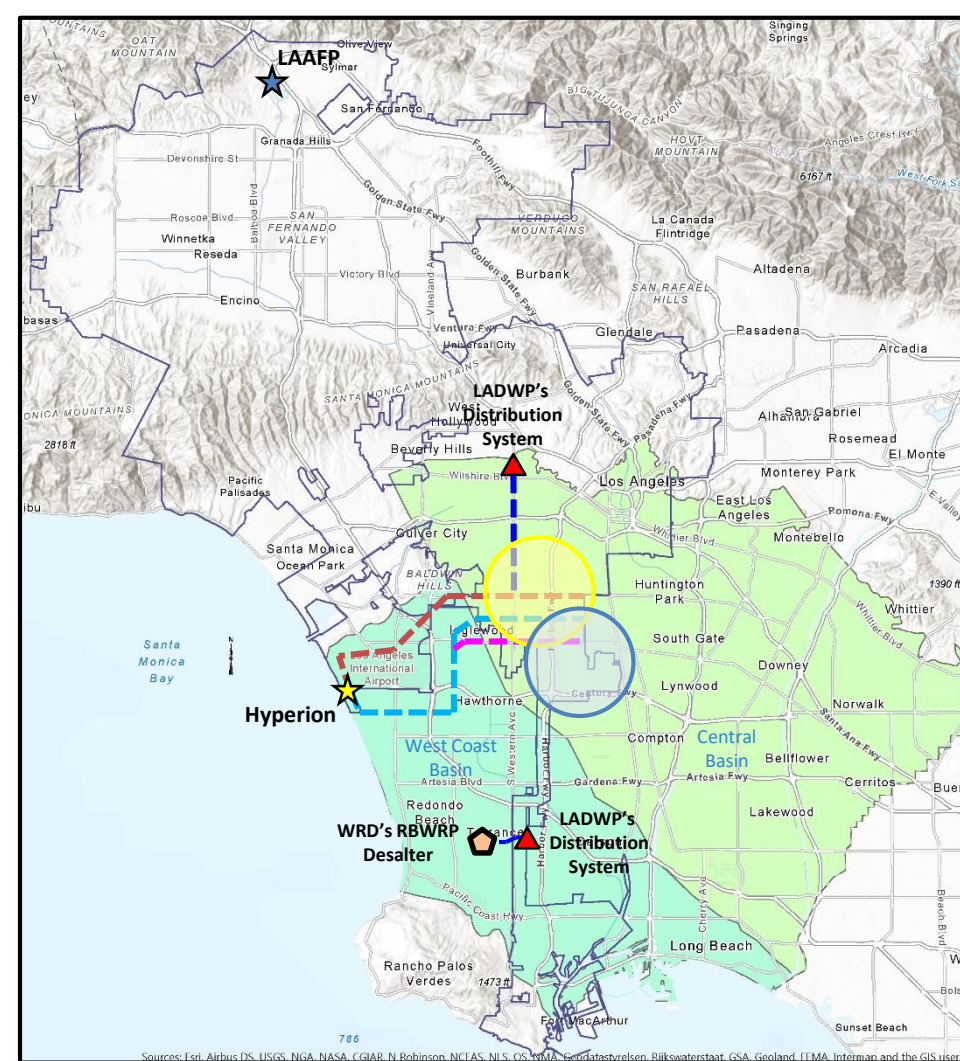
## 2- Central Basin



- 330,000 AF of storage potential

### ❑ Opportunities

- ✓ Replenish Basin via new injection wells (yellow)
- ✓ Extract groundwater (blue) for conveyance to LADWP's distribution system



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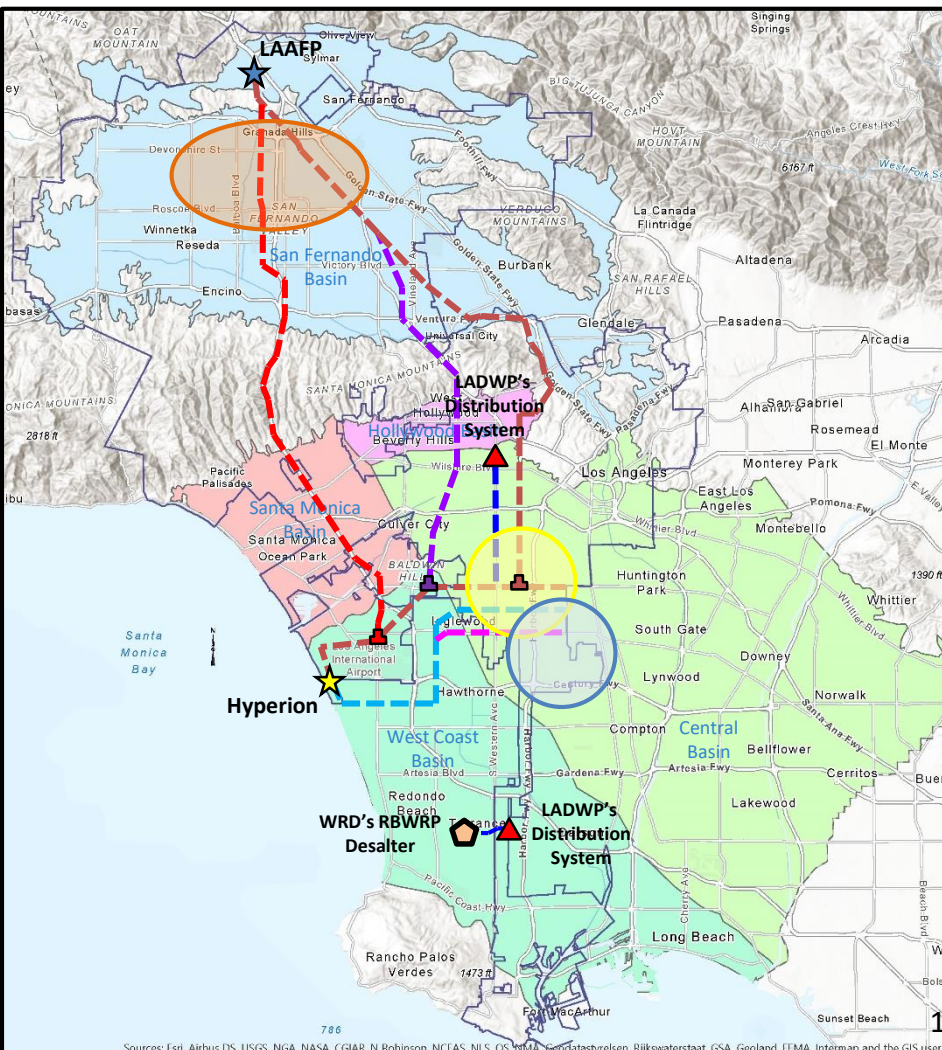
## 3- San Fernando Basin



- 550,000 AF of storage potential

### ❑ Opportunities

- ✓ Replenish Basin via injection/spreading & extraction (orange)



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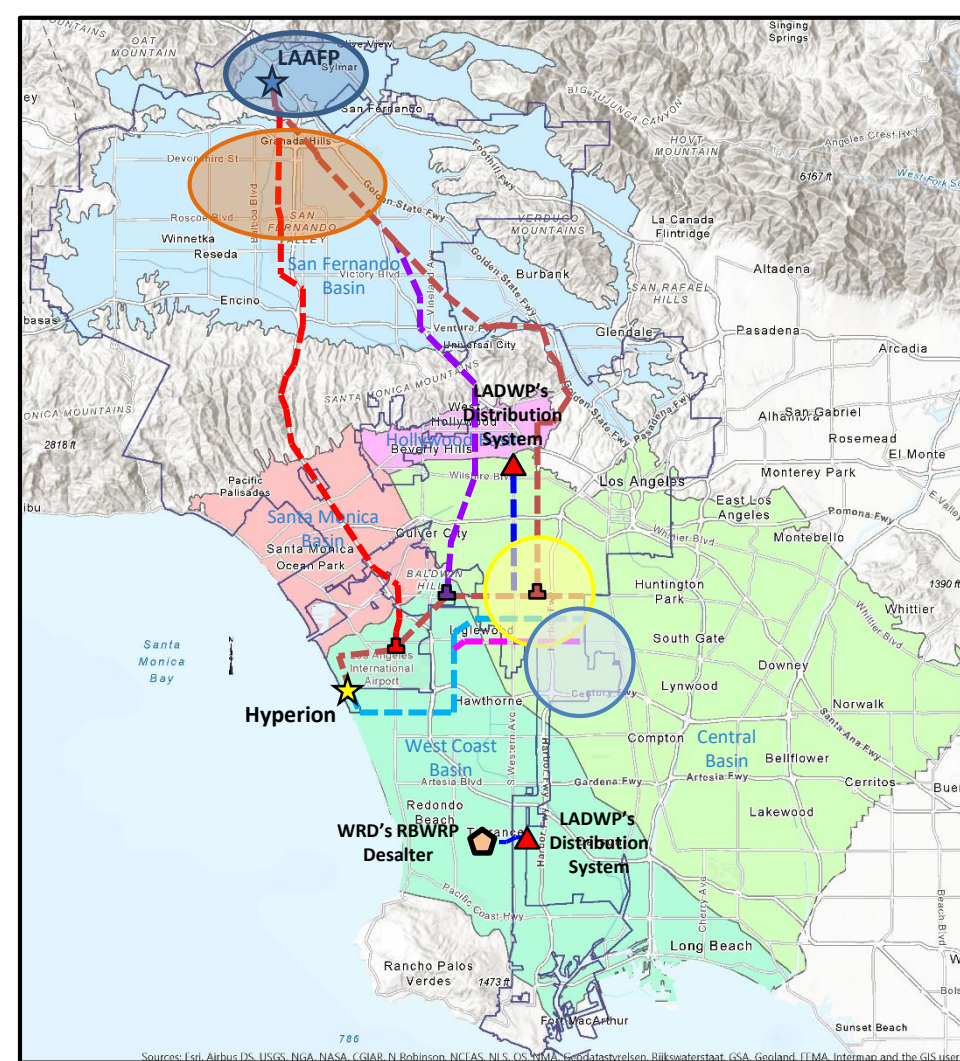
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- ✓ Replenish Basin via injection/spreading
- ✓ **(4) Implement DPR applications at the LAAF**



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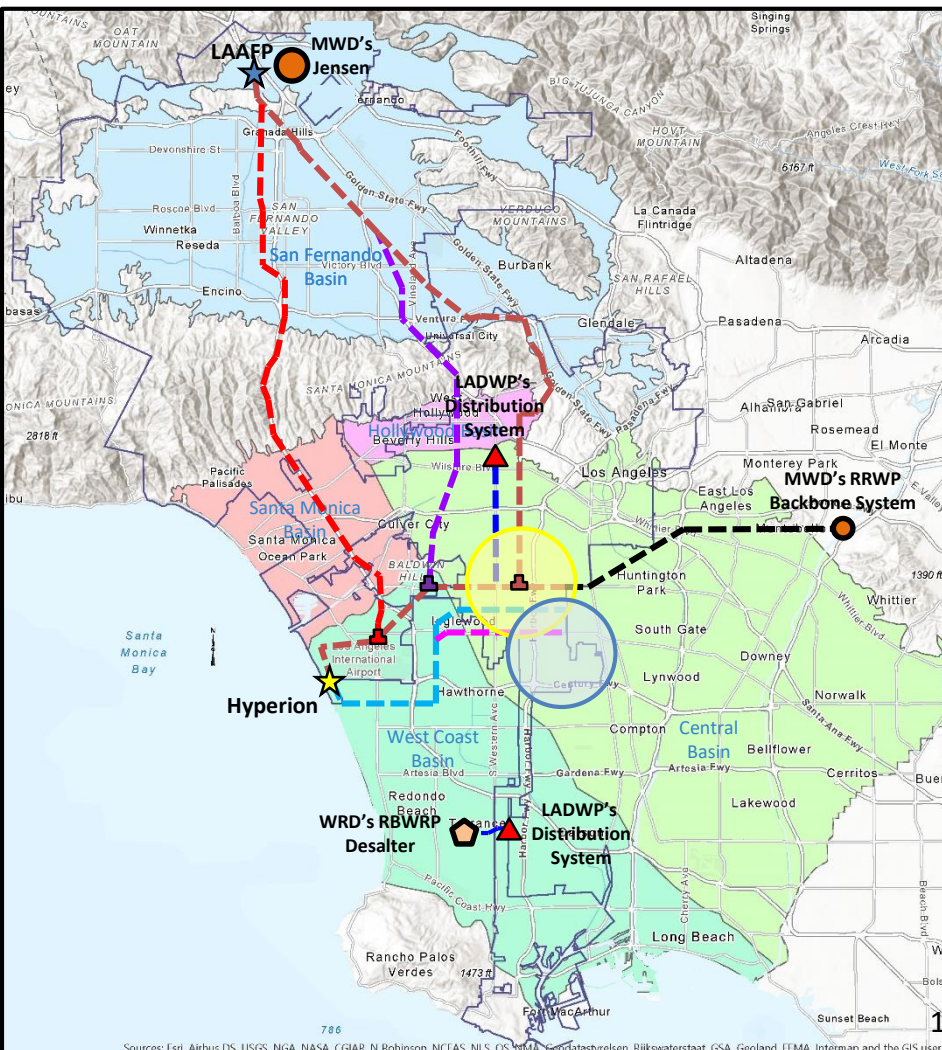
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- & (5) Regional Partnership** 

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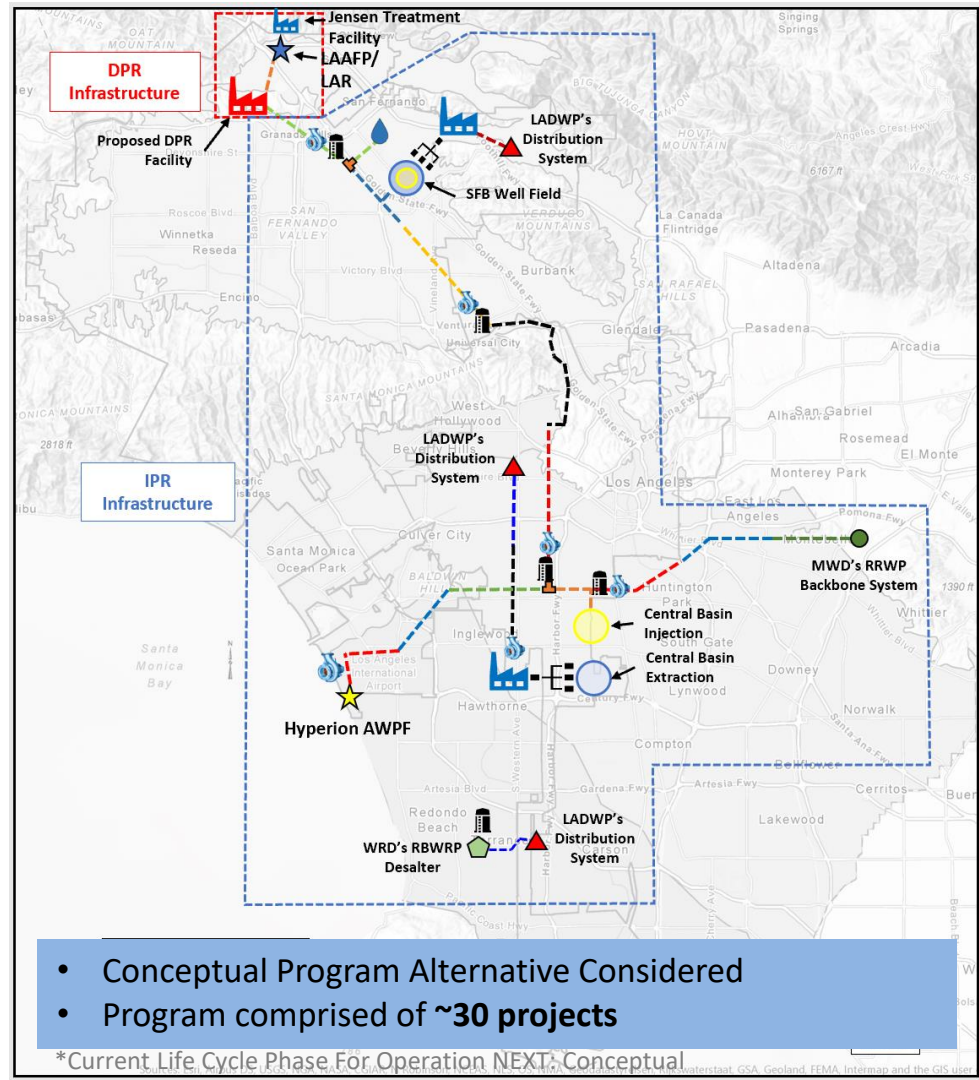
### Opportunities

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- ✓ Implement DPR applications at the LAAFP

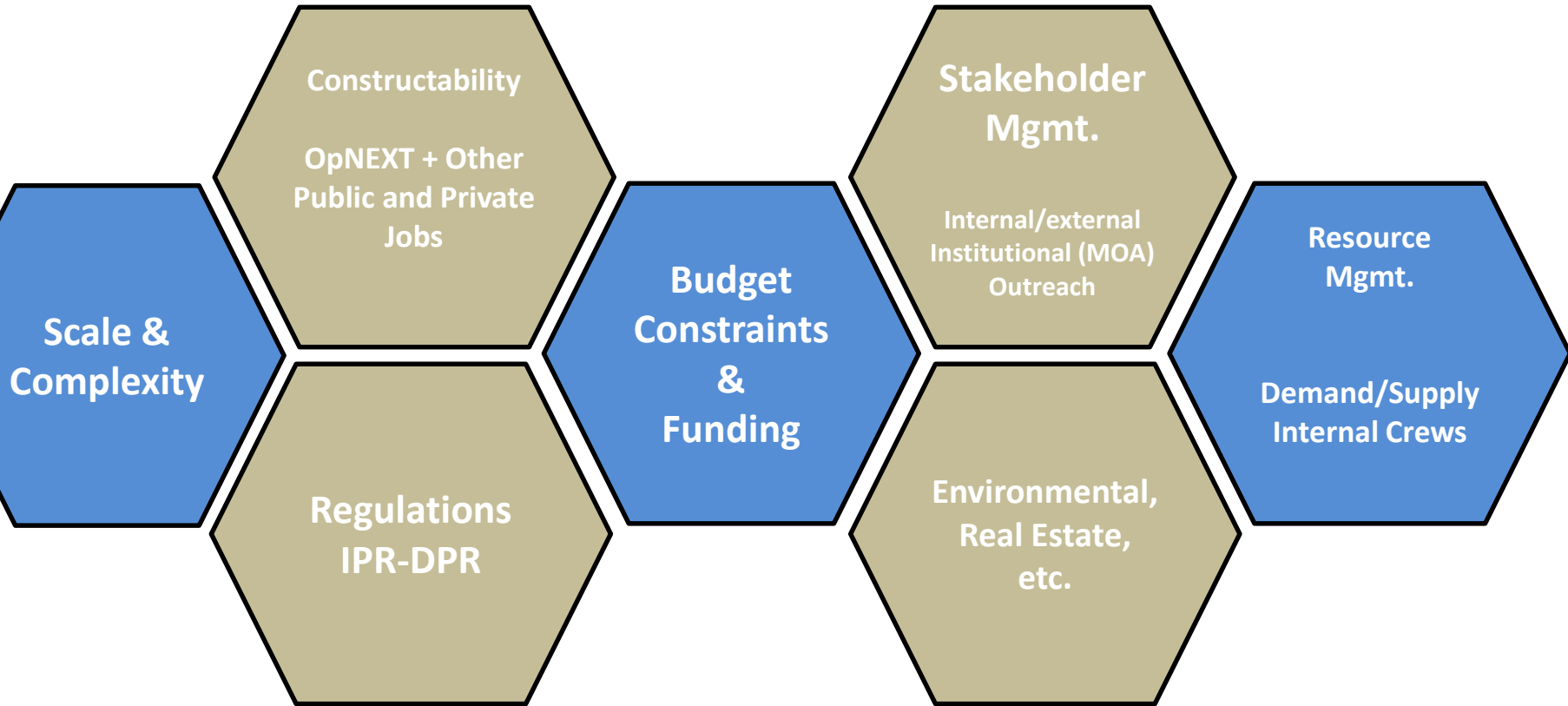


# Infrastructure

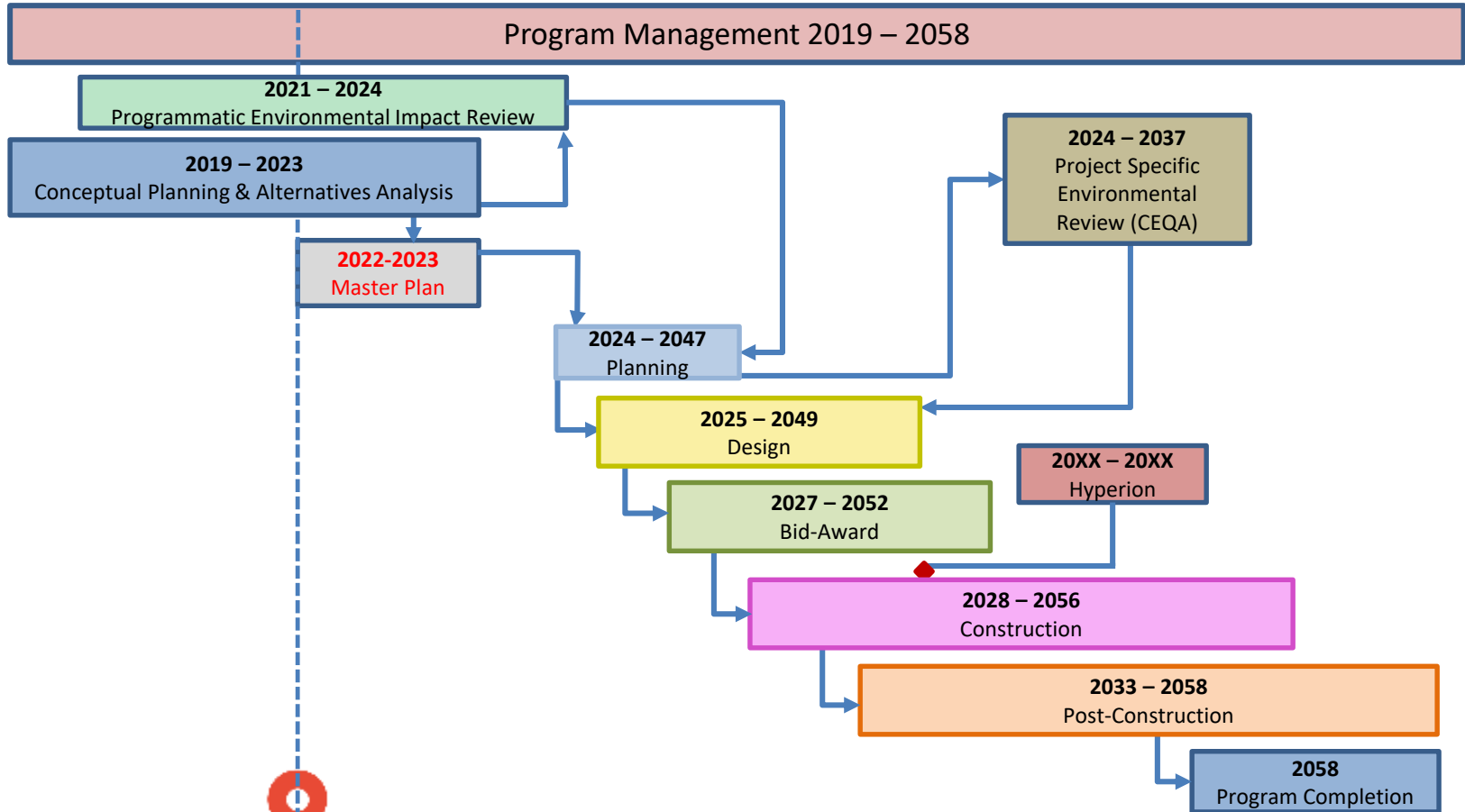
1. **AWPF at Hyperion (LASAN Program)**
2. **Pump Stations**
  - 4 to 5 facilities
3. **Storage**
  - 4 to 5 storage forebays for pumping infrastructure
4. **Trunklines**
  - 62 miles ranging from 54"-108"
5. **Well Fields**
  - 1 to 2 well fields in CB; 15-45 cfs production each
  - 1 well field in SFB; ~28 cfs production
6. **Treatment Facilities**
  - 2 to 3 facilities associated with new well fields & DPR Treatment
7. **System Improvements**



# OpNEXT Program Considerations



# Program Schedule –Aggressive–



# Positive Impacts to Economy

J O B S



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# Outreach

## On-going Outreach

- All City Council Districts briefed
- Over 100 presentations given since Program inception (Dec 2018)

## Program Webpage

- [www.ladwp.com/OperationNEXT](http://www.ladwp.com/OperationNEXT)



## Doing Business with LADWP

- LABAVN website at: [www.labavn.org](http://www.labavn.org)
  - Free to register and they will have access to bids for all City Departments.

## References

- 18-month look-ahead “Supply Line” w/ the anticipated schedule for the next 18 months of contracts  
[www.ladwp.com/SupplyLine](http://www.ladwp.com/SupplyLine)
- [SupplierRelationsOffice@ladwp.com](mailto:SupplierRelationsOffice@ladwp.com)
- [purchbids@ladwp.com](mailto:purchbids@ladwp.com)

# Thank You



[www.ladwp.com/OperationNEXT](http://www.ladwp.com/OperationNEXT)

