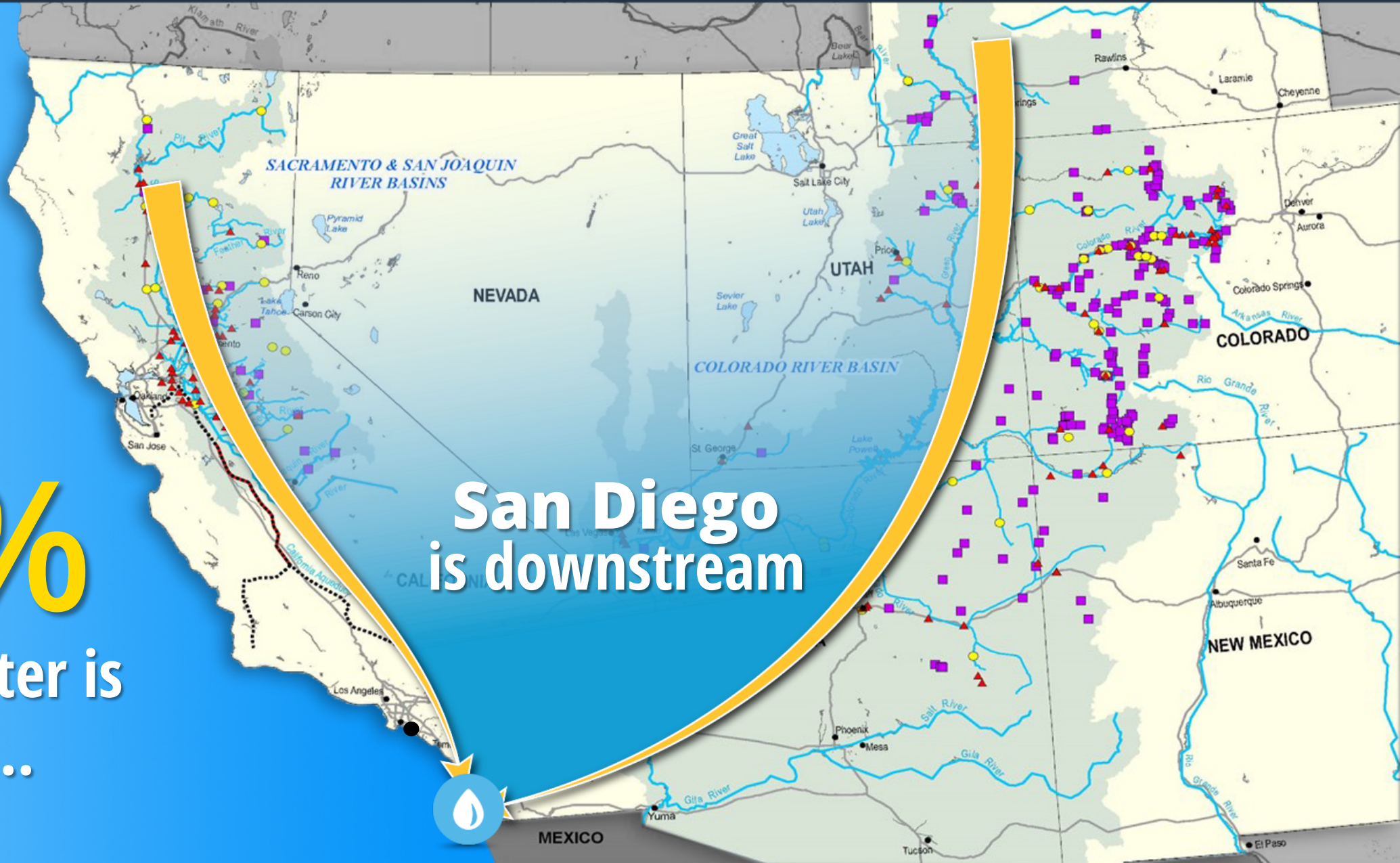


# Pure Water San Diego Program

Pure Water Facility Tour

**85%**  
of our water is  
imported...

**San Diego  
is downstream**







# We Face Numerous Water Challenges

*Imported water cost per acre-foot*



- Limited local & imported supplies
- Population growth
- Bay Delta constraints
- Natural disaster risk
- Rising imported water costs
- Recurring drought

# Multi-faceted Approach



- Conservation
- Desalination
- Groundwater Development
- Recycled Water
- Pure Water Program



# What is **Pure Water** San Diego?



**Safe**

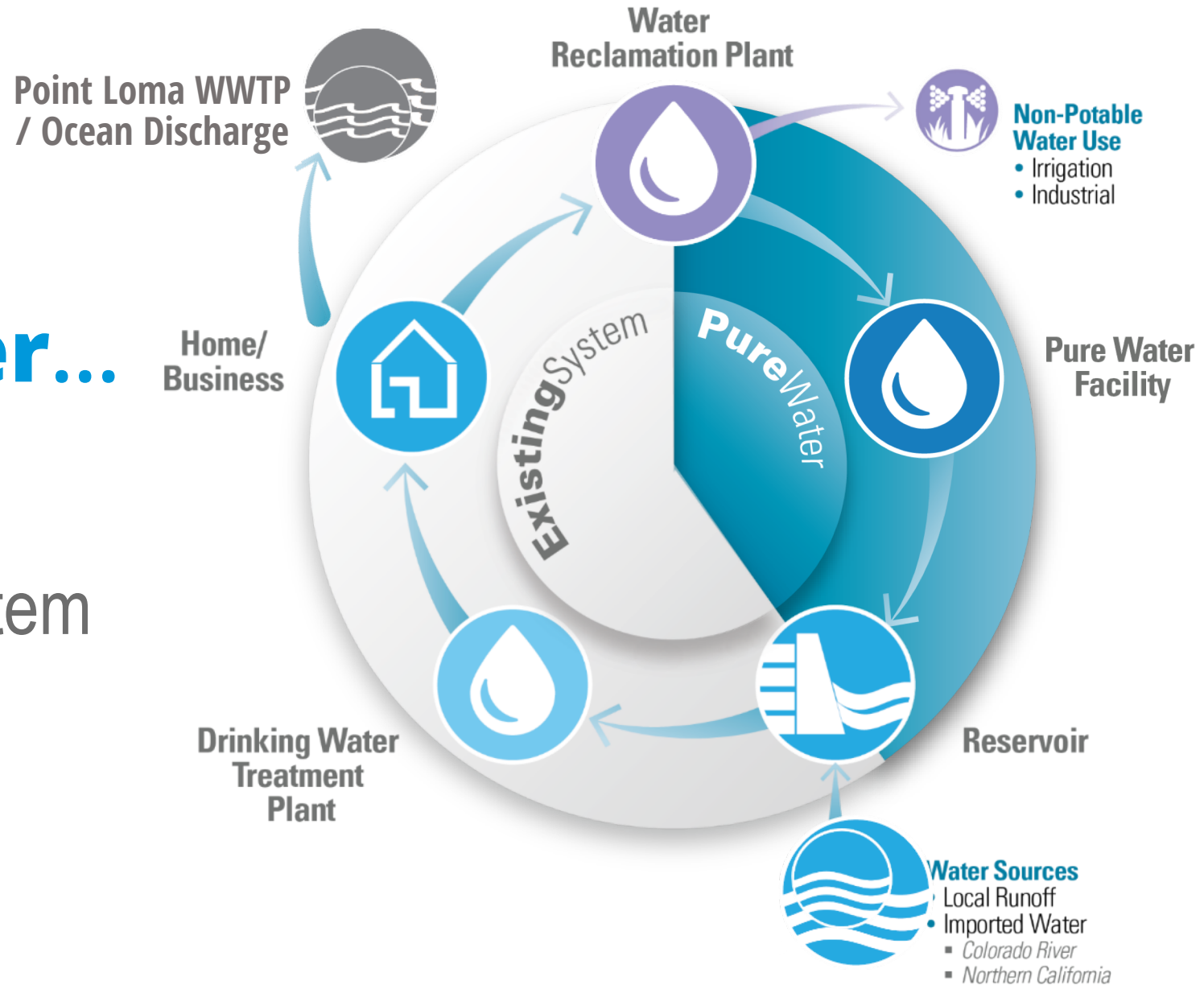


**Reliable**



**Cost-effective**

# Pure Water... Completes Our Water Cycle Primarily a Single-Use System





# Pure Water Runs a Successful Demonstration Facility



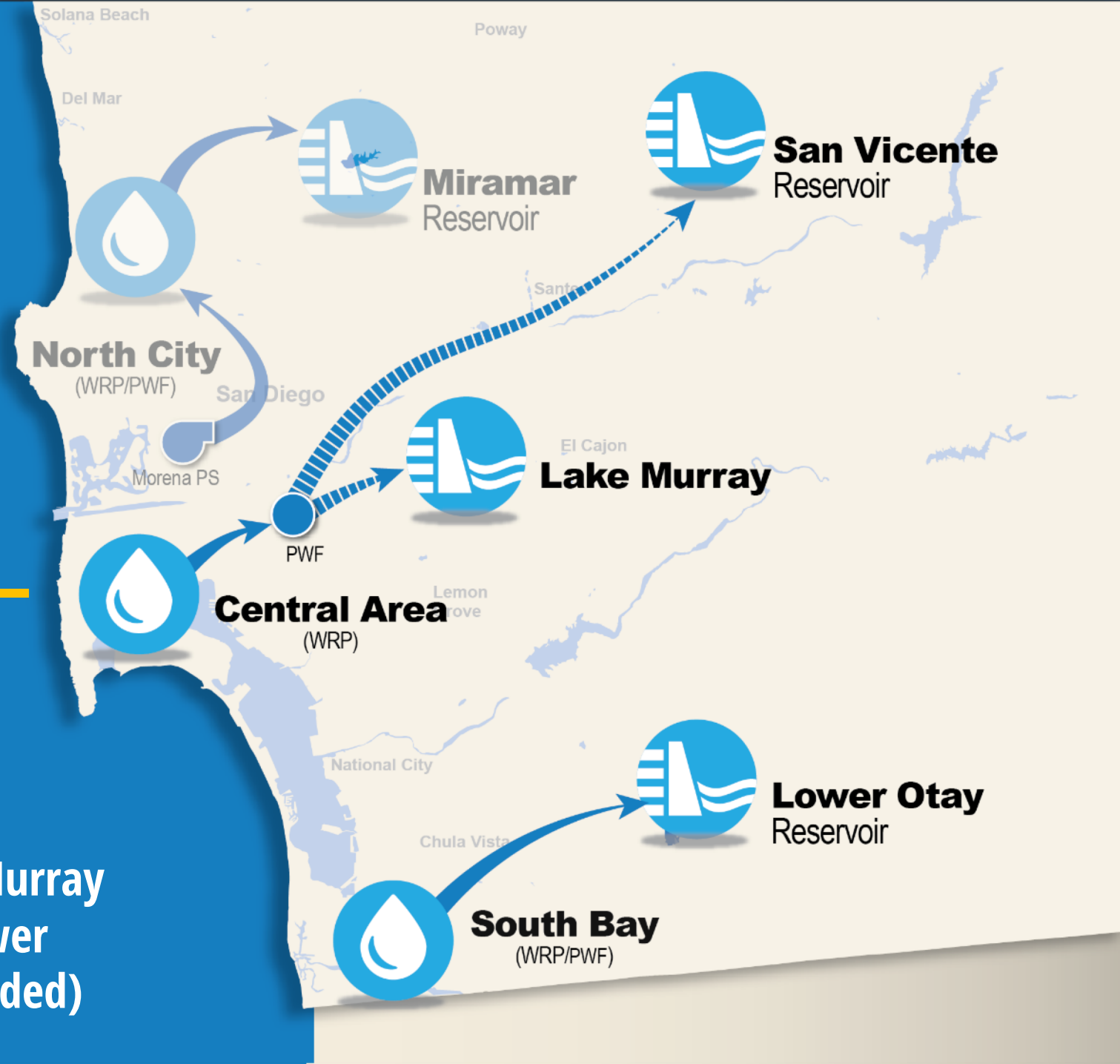
- 50,000 lab tests: **Met all standards**
- Water quality: **Exceptional**

**Pure Water**  
will produce  
**1/3**  
of your water  
**locally**

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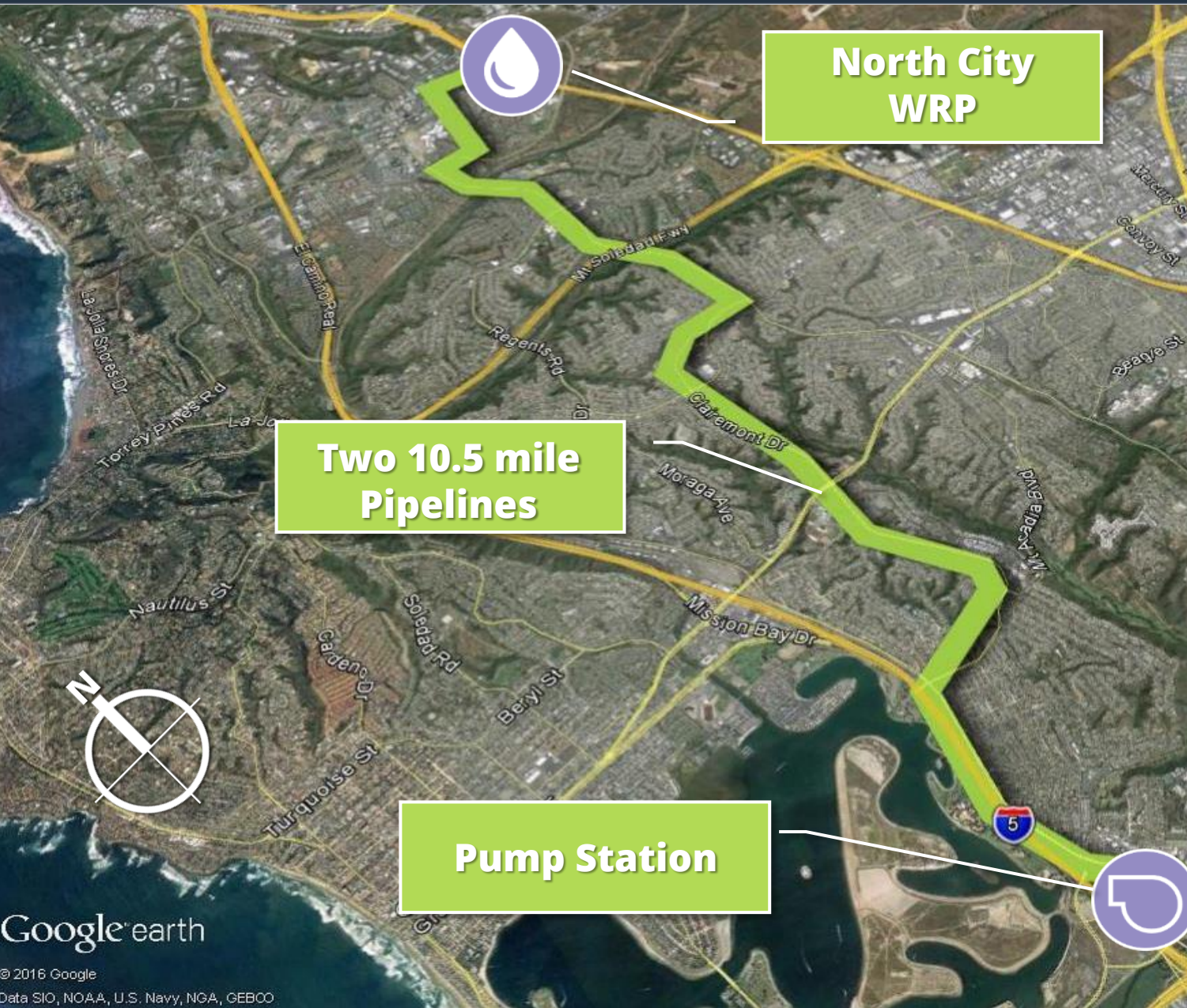
### **Phases 2 & 3**

- 2035 Completion
- 53 mgd
- Central Area PWF to San Vicente or Lake Murray
- South Bay PWF to Lower Otay Reservoir (if needed)





# SD Morena Pump Station and Pipelines



- Conveys wastewater to North City Water Reclamation Plant (WRP)
- Supports Phase 1 purified water and recycled water production
- Trenchless construction will be used to avoid:
  - *environmentally sensitive areas*
  - *freeway crossings*





# North City WRP Expansion

Pure Water  
Facility



NCWRP



Morena Pipeline

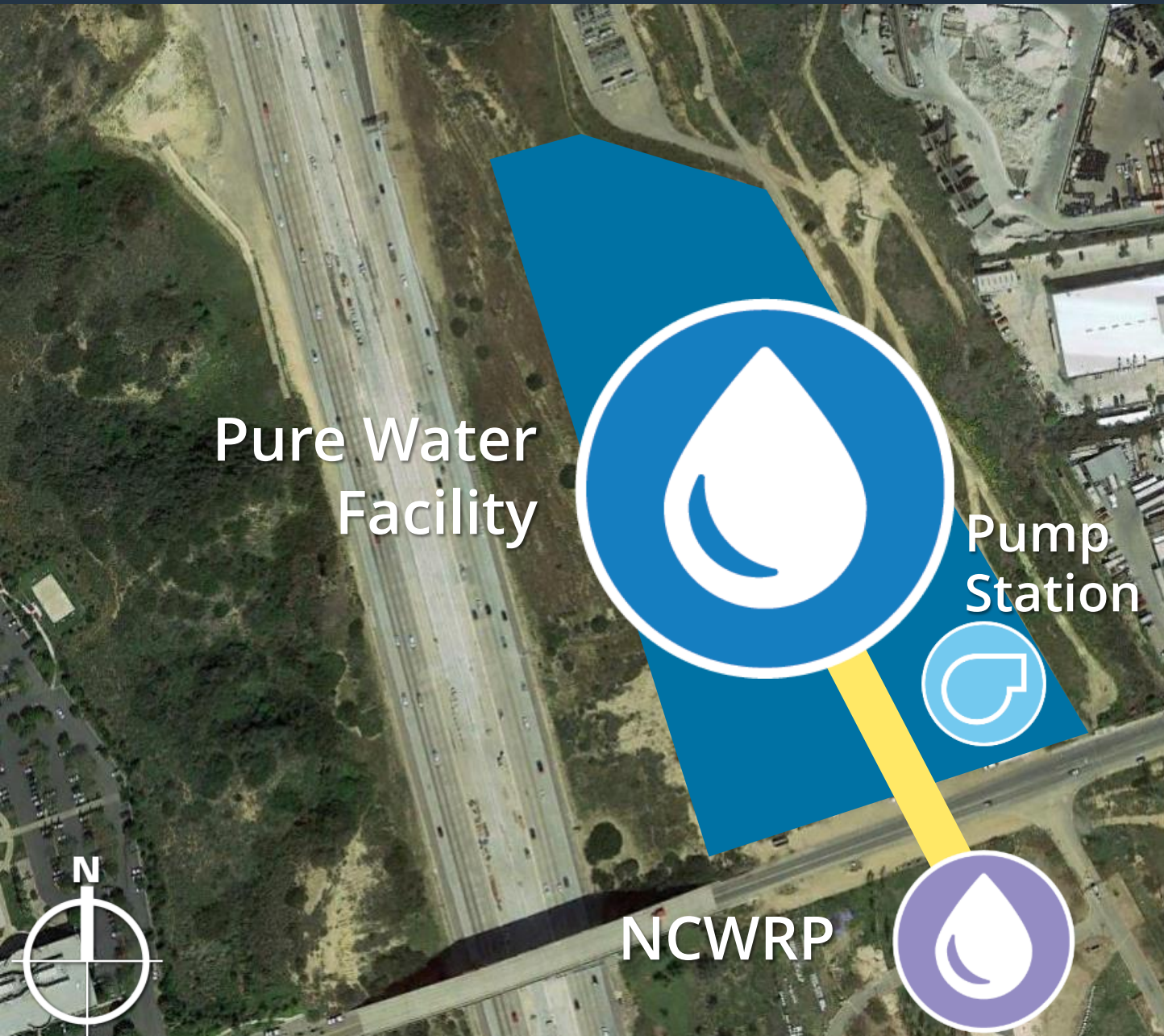
- Treats wastewater to recycled water standards
- Expansion nearly doubles the amount of recycled water produced to meet needs of:
  - *Pure Water Facility*
  - *Recycled Water System*







# North City Pure Water Facility & Pump Station



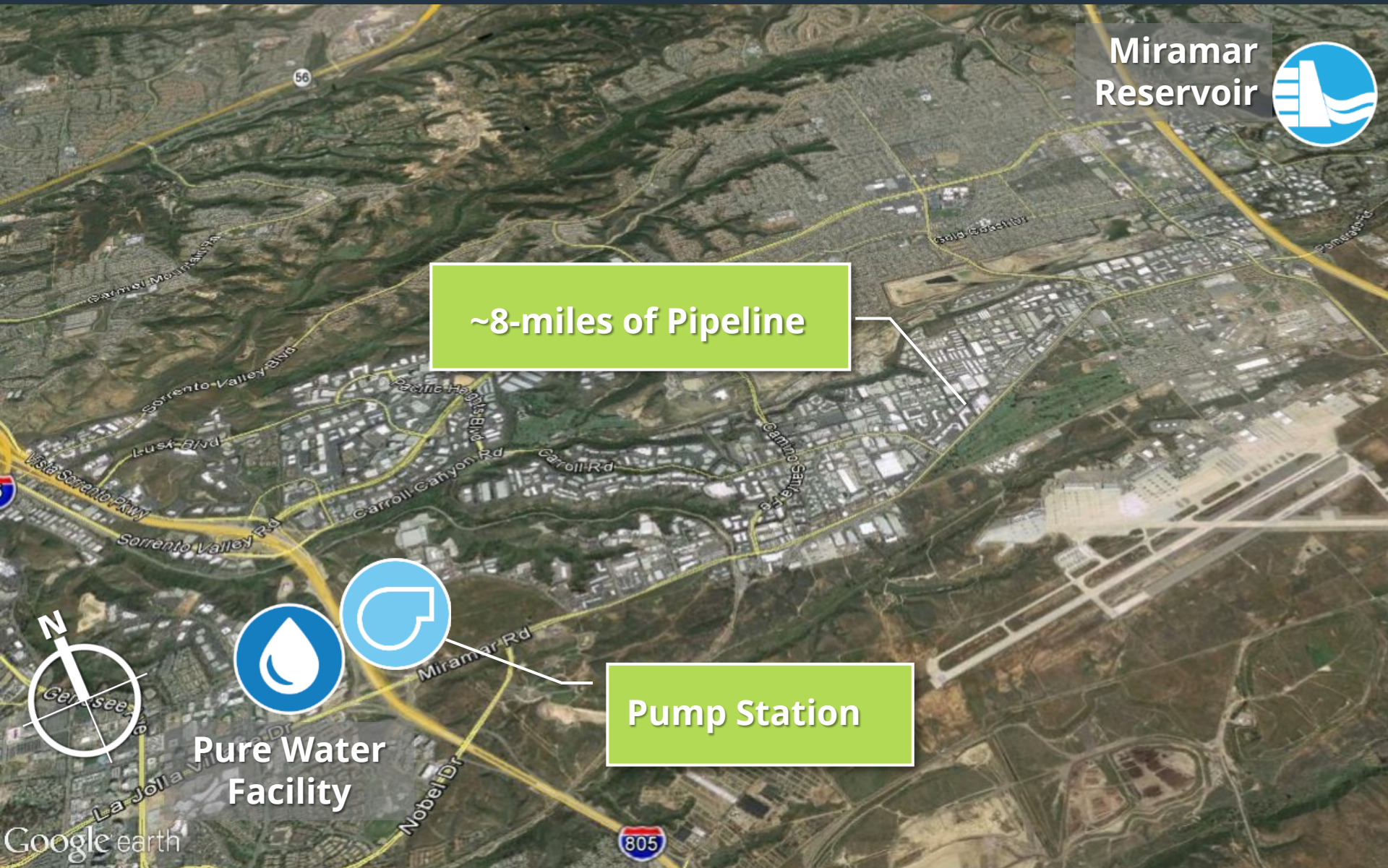
Pure Water  
Facility

Pump  
Station

NCWRP

- Treats recycled water to produce 30 mgd of purified water
- Includes a proven 5-step advanced water purification treatment process
- Construction Start: 2019





Miramar  
Reservoir



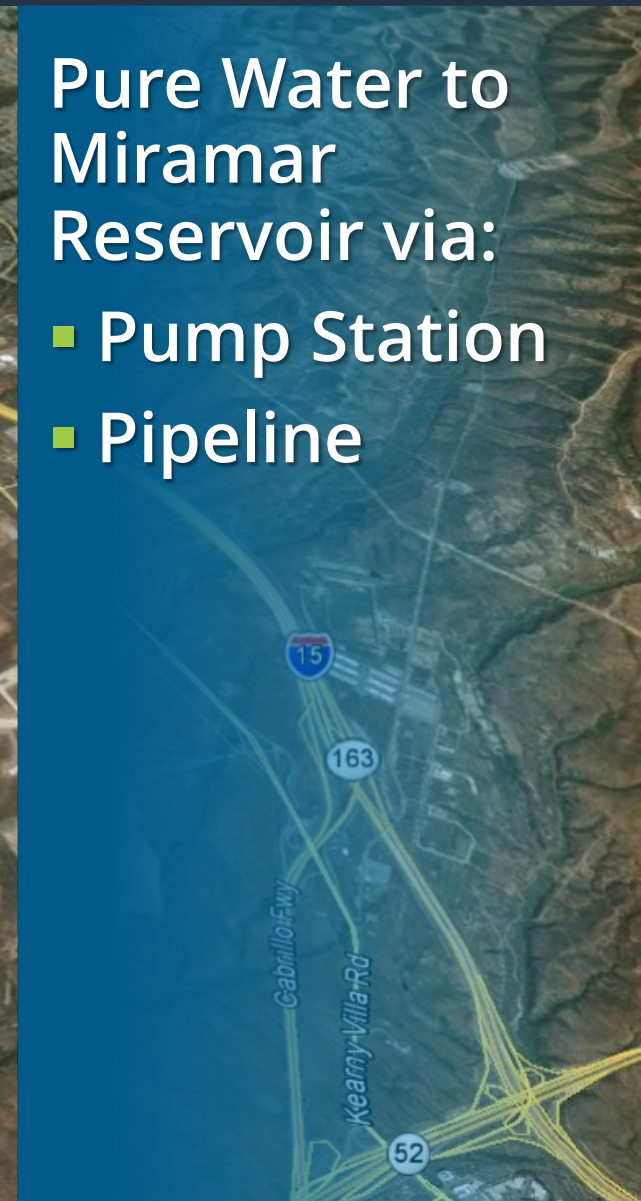
~8-miles of Pipeline

Pump Station

Pure Water  
Facility

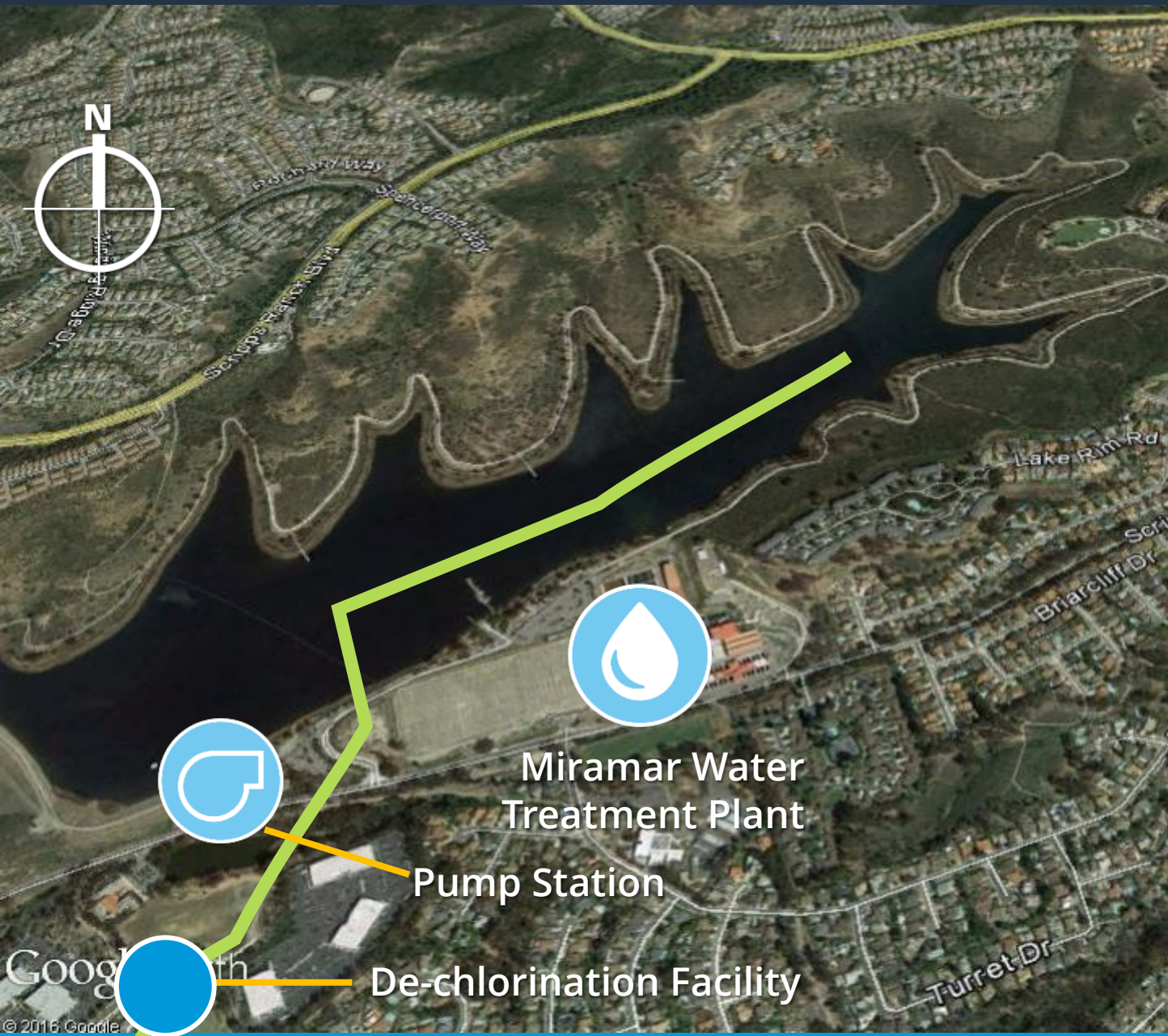
Pure Water to  
Miramar  
Reservoir via:

- Pump Station
- Pipeline



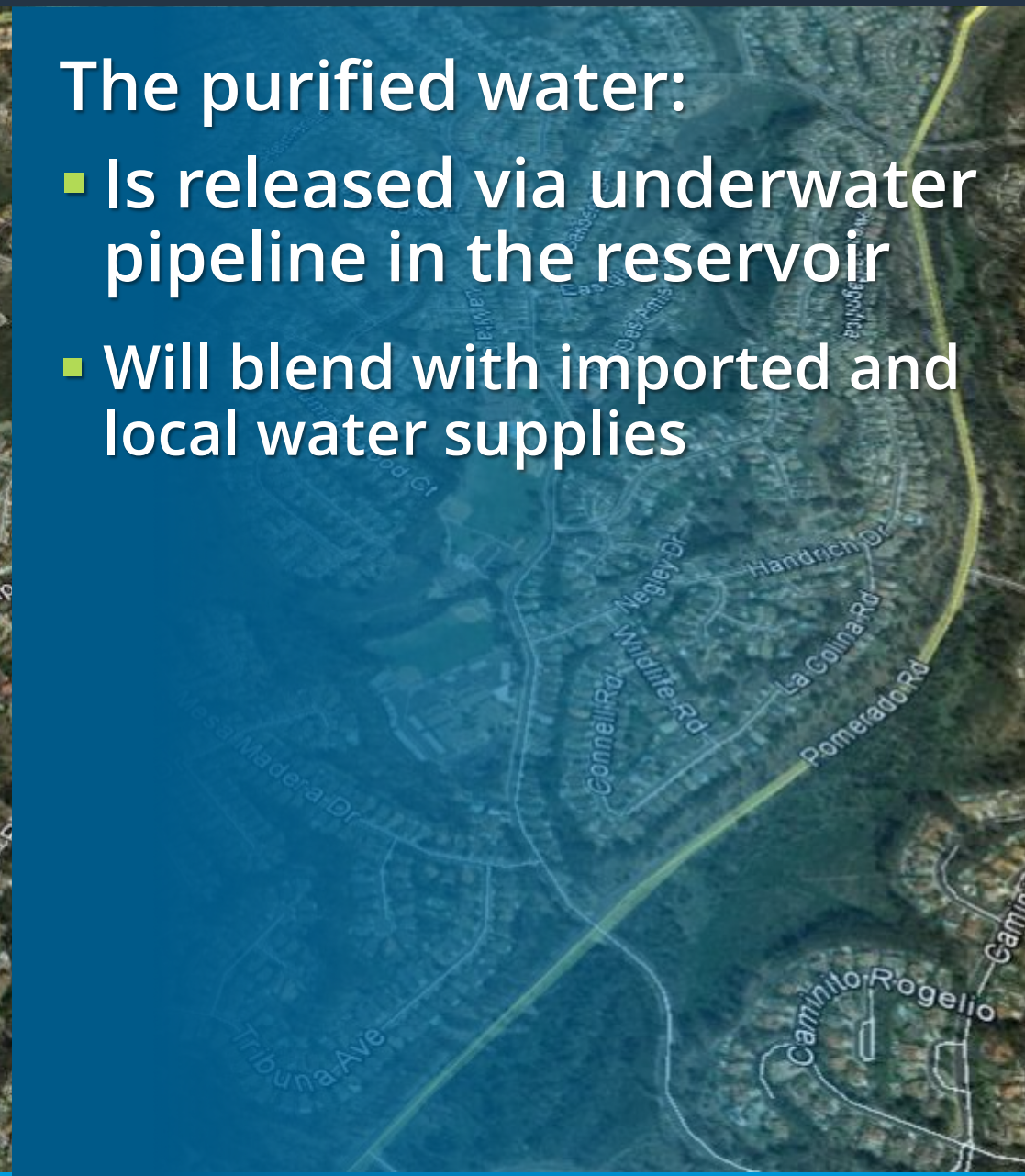


# SD Miramar Reservoir



The purified water:

- Is released via underwater pipeline in the reservoir
- Will blend with imported and local water supplies







[www.purewatersd.org](http://www.purewatersd.org)



Pure Water San Diego



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Join our **mailing list** and **sign a support card**