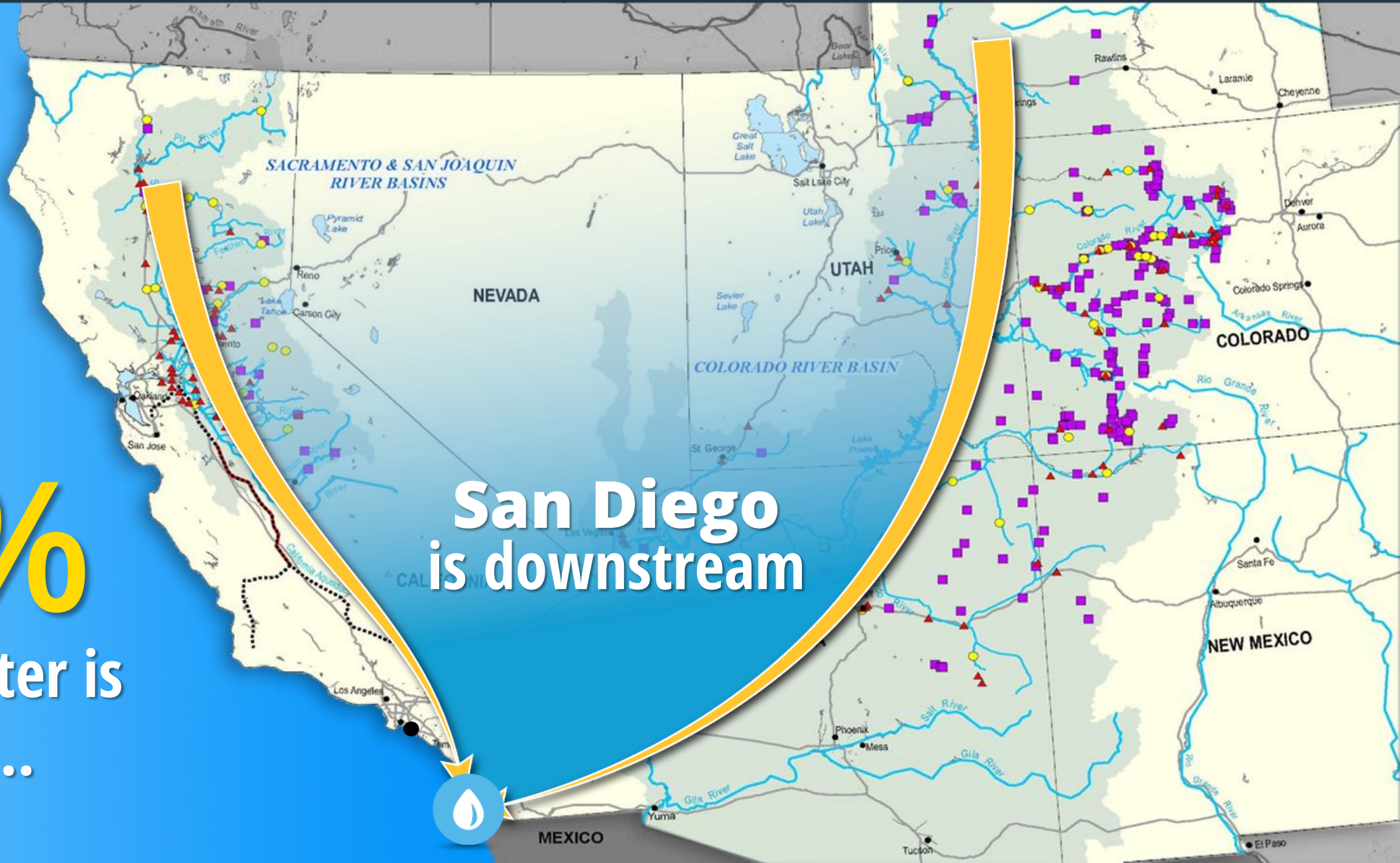


Pure Water San Diego Program

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

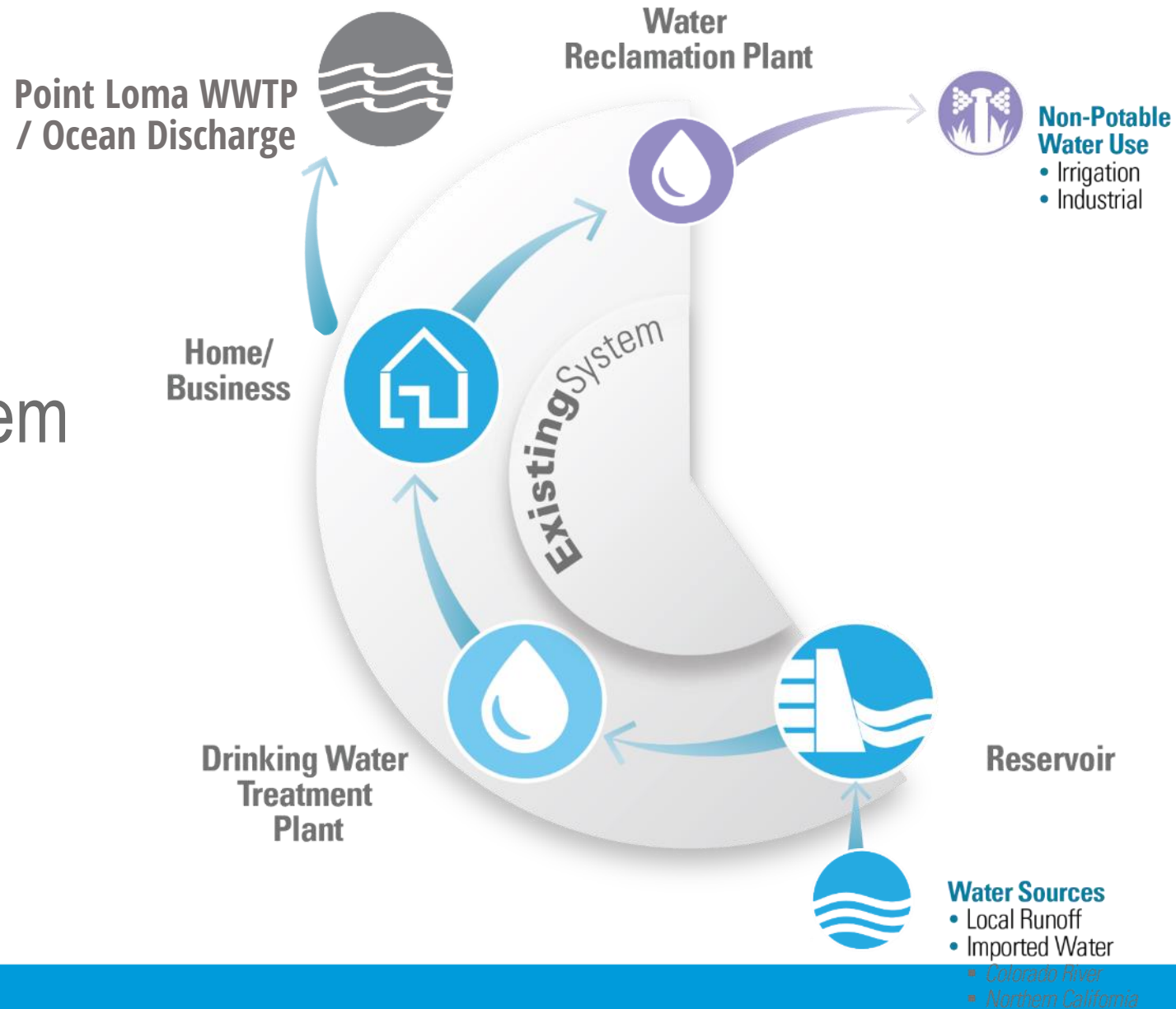


Cost-effective

SD San Diego's Water Supply System

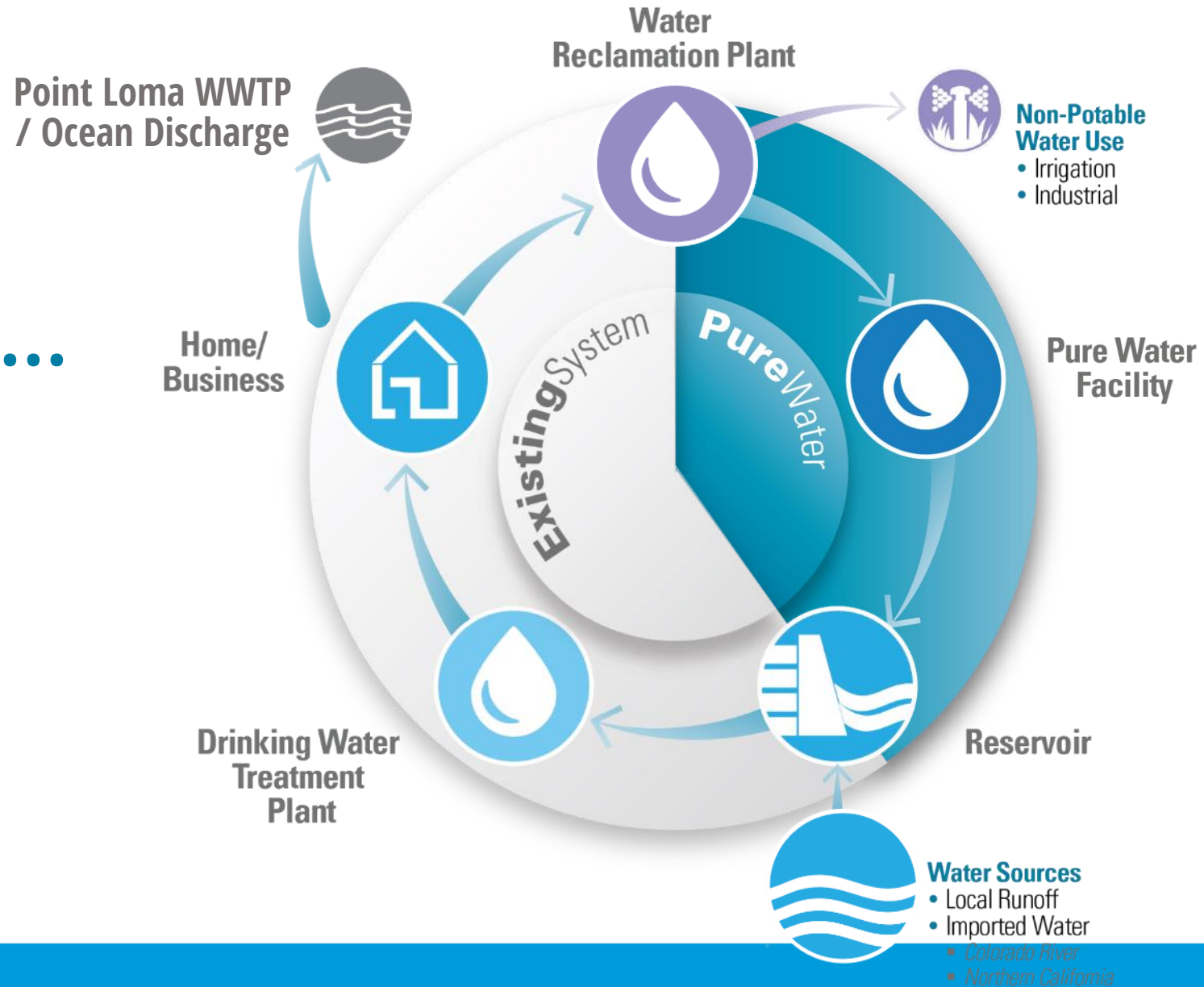
Existing System...

Primarily a Single-Use System



San Diego's Water Supply System

Pure Water...
Completes Our
Water Cycle



Pure Water Runs a Successful Demonstration Facility

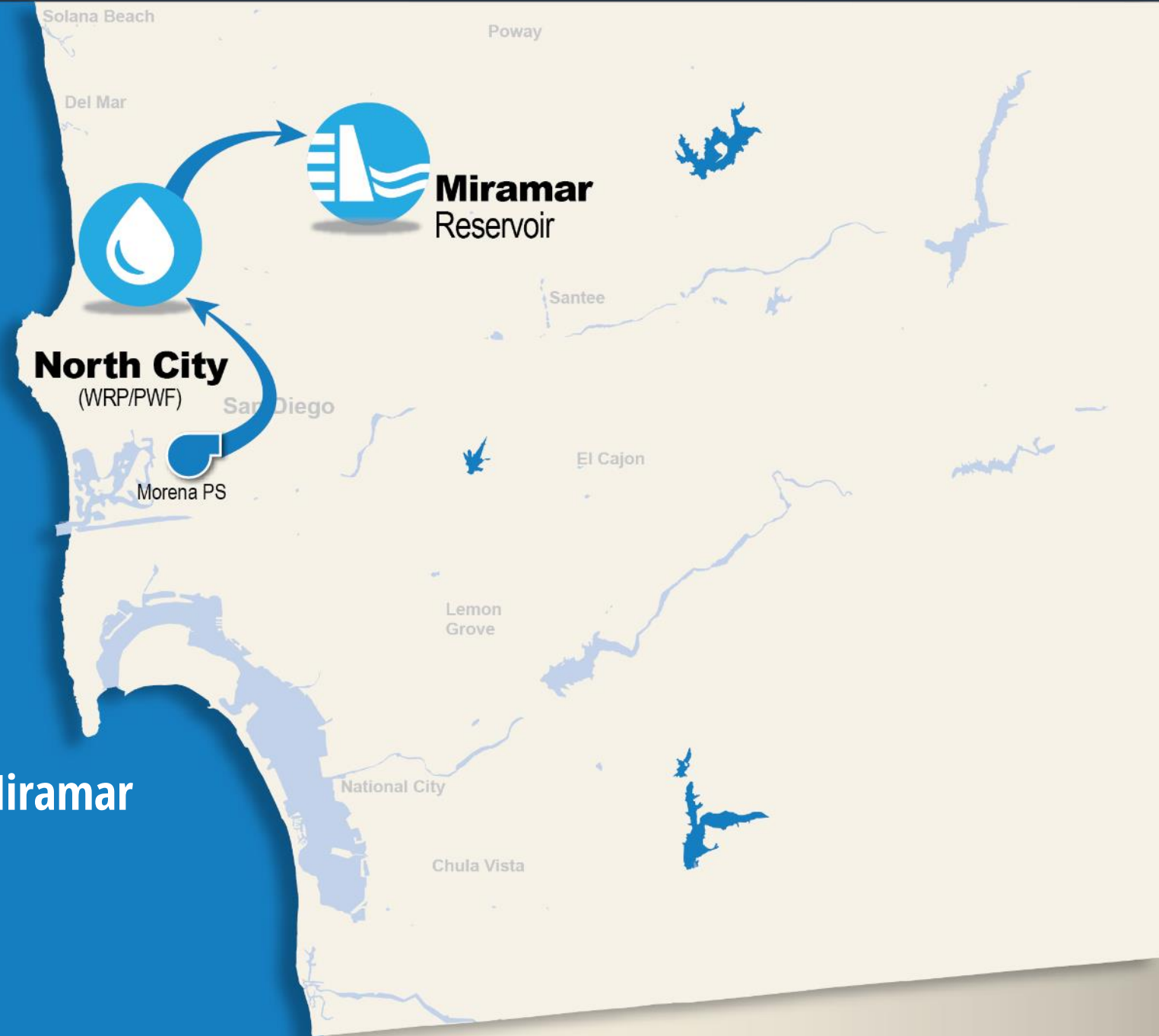


- 50,000+ lab tests: **Met all standards**
- Water quality: **Exceptional**

Pure Water
will produce
1/3
of your water
locally

Phase 1

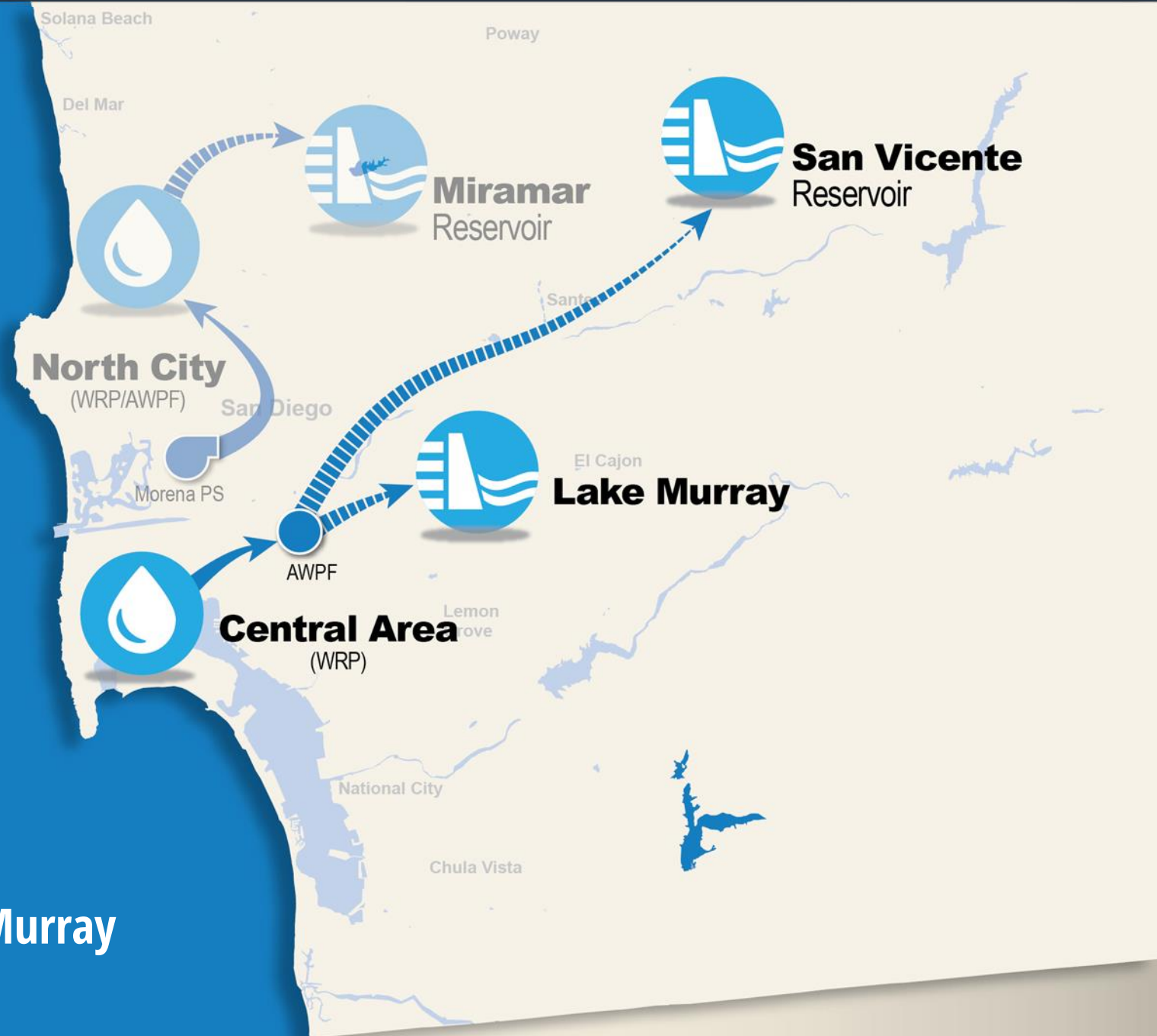
- 30 mgd
- North City PWF to Miramar



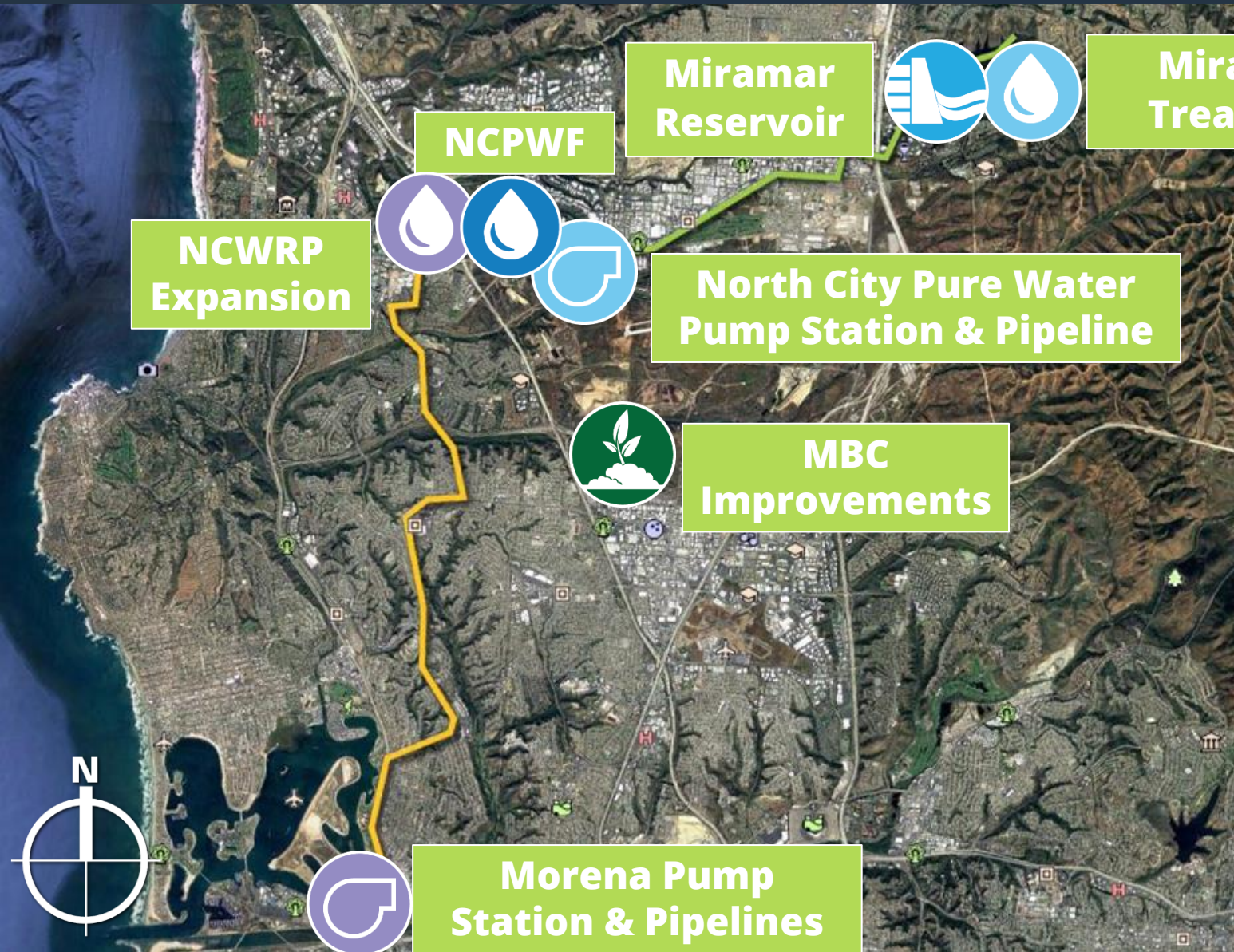
Pure Water
will produce
1/3
of your water
locally

Phase 2

- 2035 Completion
- 53 mgd
- Central Area PWF to San Vicente or Lake Murray



SD Phase 1 Projects



Phase 1 – North City will produce 30 mgd of purified water

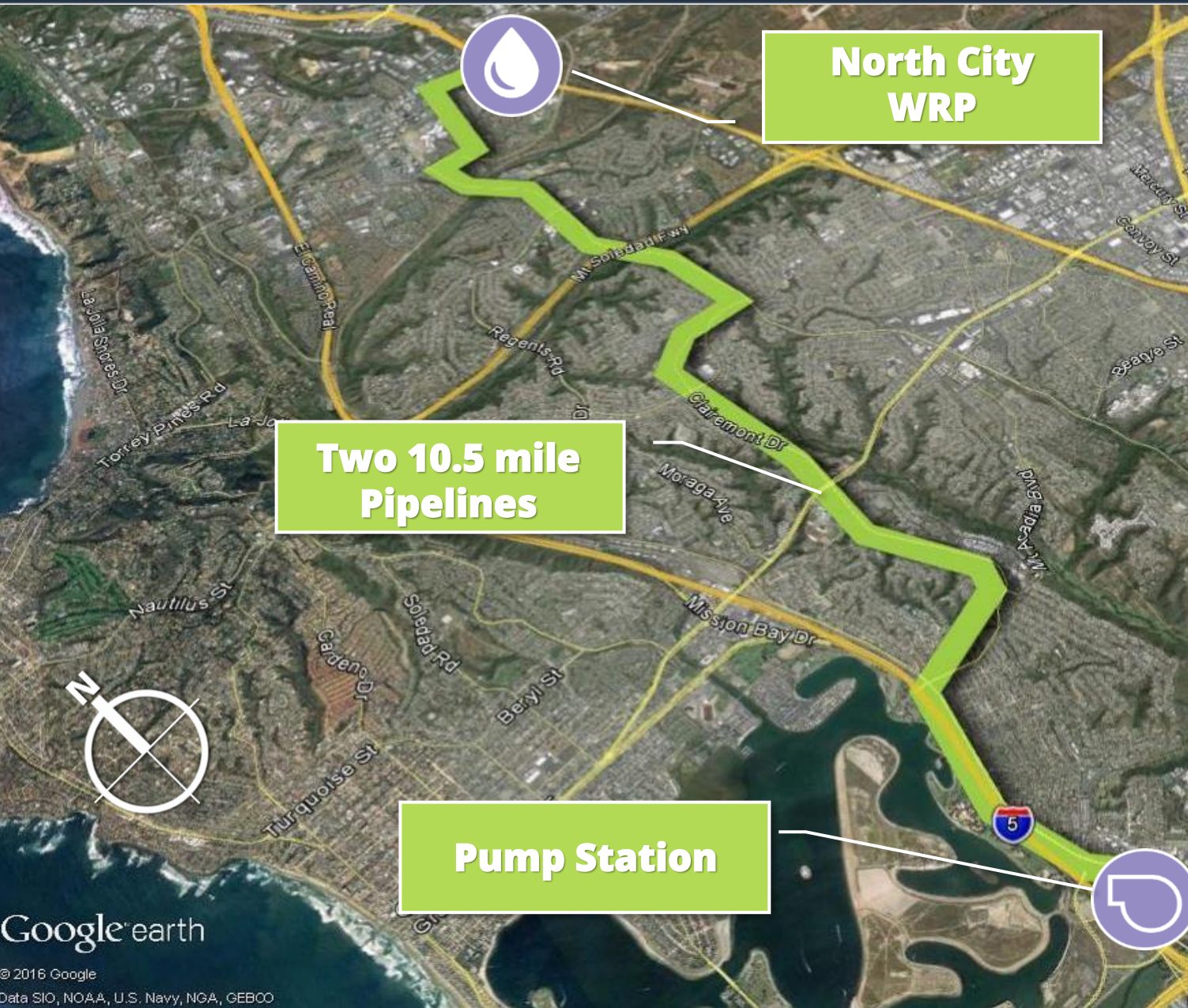
100% Design Completed on all Phase 1 projects

MBC = Metro Biosolids Center

NCWRP = North City Water Reclamation Plant

NCPWF = North City Pure Water Facility

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*
- Construction begins in early 2021

SD North City Water Reclamation Plant

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*
- Early site work is being completed
- Expansion begins in fall 2021





North City Pure Water Facility & Pump Station

Pure Water
Facility



Pump
Station



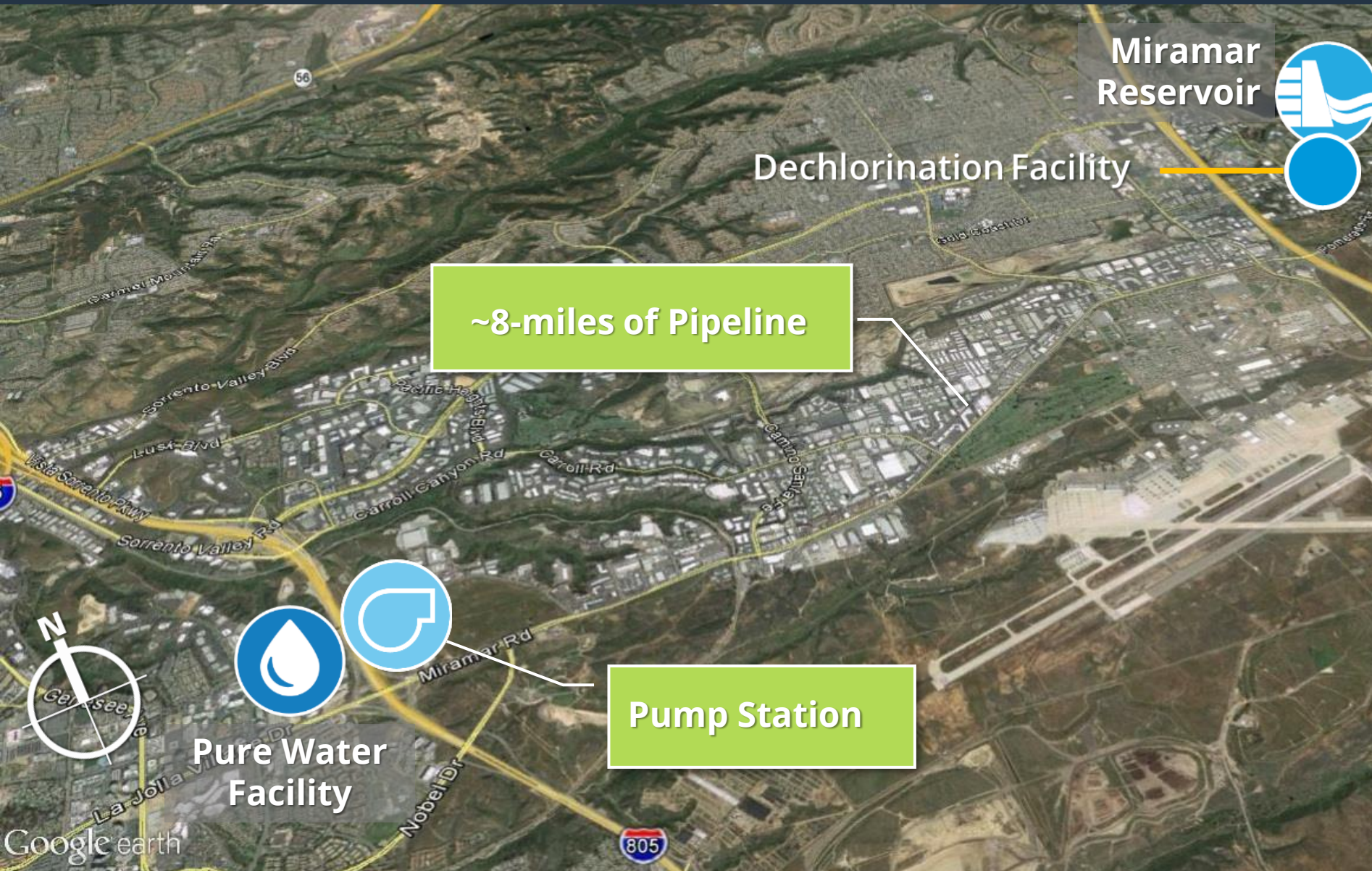
NCWRP



- Treats recycled water to produce 30 mgd of purified water
- Includes a proven 5-step advanced water purification treatment process
- Early site work is being completed
- Construction begins in early 2021

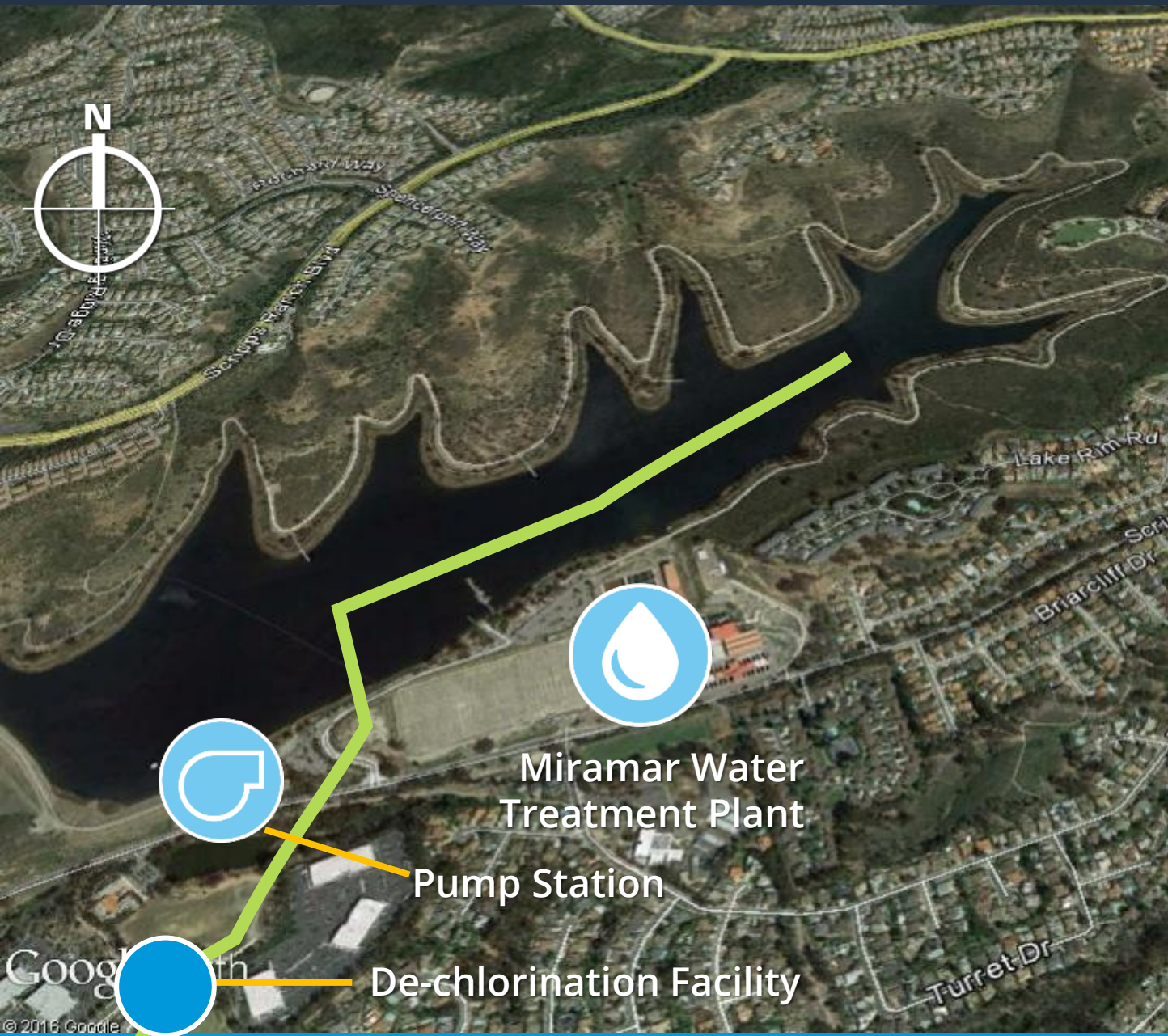


North City Pure Water Pipeline



- Pure Water to Miramar Reservoir via:
 - Pump Station
 - Pipeline
- Water will be dechlorinated before release to reservoir
- Construction begins in summer 2021

SD Miramar Reservoir



- The purified water:
 - Is released via underwater pipeline in the reservoir
 - Will blend with imported and local water supplies
- The Miramar Reservoir Pump Station is being upgraded

Who Supports Pure Water?



CONNECT



SAN DIEGO
PORT TENANTS ASSOCIATION





www.purewatersd.org



Pure Water San Diego



PureWaterSD



@PureWaterSD



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

Want to take a guided tour of the Pure Water Demonstration Facility? Learn all about the five-step process from members of the Pure Water team by viewing the Pure Water Virtual Tour at one of the links below.



Pure Water San Diego Website Video Link: virtualtour.purewatersd.org

Pure Water San Diego YouTube Video Link: YouTube.com/PureWaterSD