

Pure Water San Diego Program

Public Utilities Department

SD San Diego PUD: The Numbers

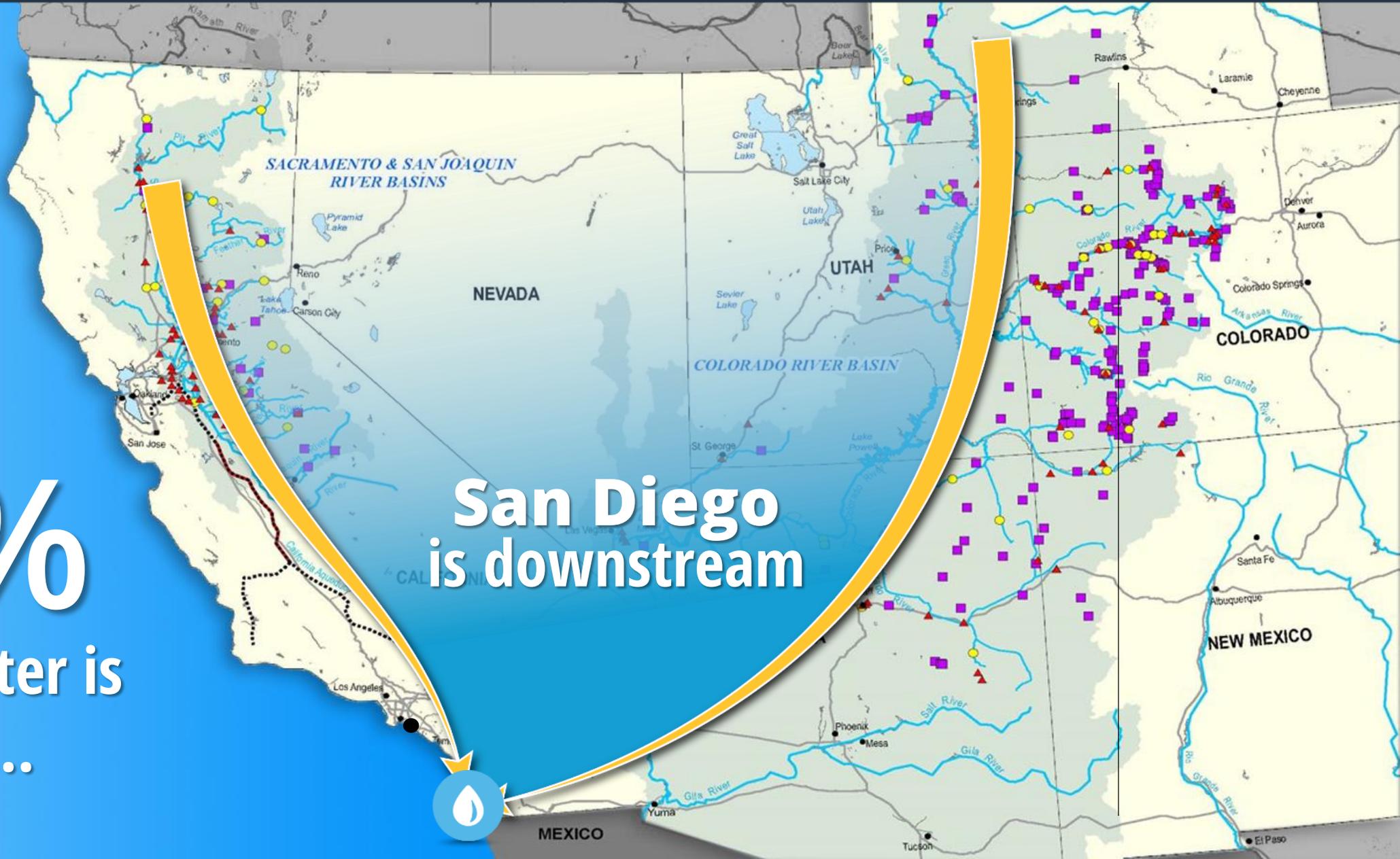




San Diego's Water Supply

85%
of our water is
imported...

**San Diego
is downstream**



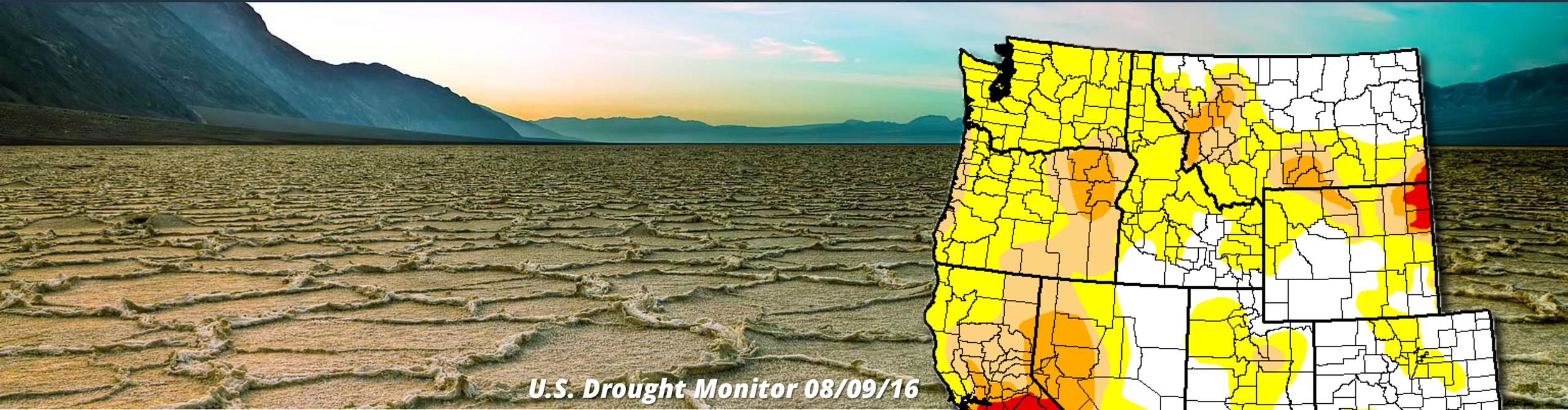
We Face Numerous Water Challenges

Imported water cost per acre-foot

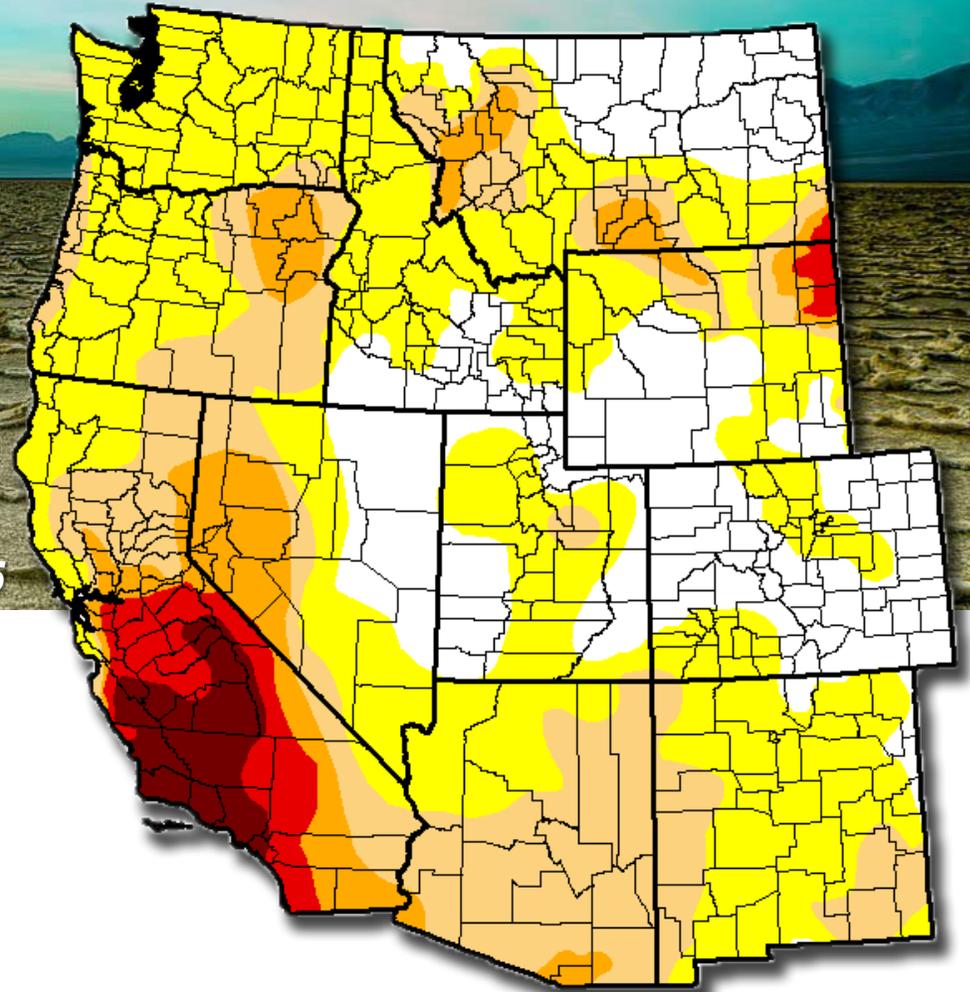


- Limited local & imported supplies
- Population growth
- Bay Delta constraints
- Natural disaster risk
- Rising imported water costs
- Recurring drought

SD We are in a Drought



U.S. Drought Monitor 08/09/16



Southern California remains firmly locked in a fifth year of drought.

– San Diego Union Tribune, 05/09/16

SD Multi-faceted Approach



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



What is Pure Water San Diego?



Safe



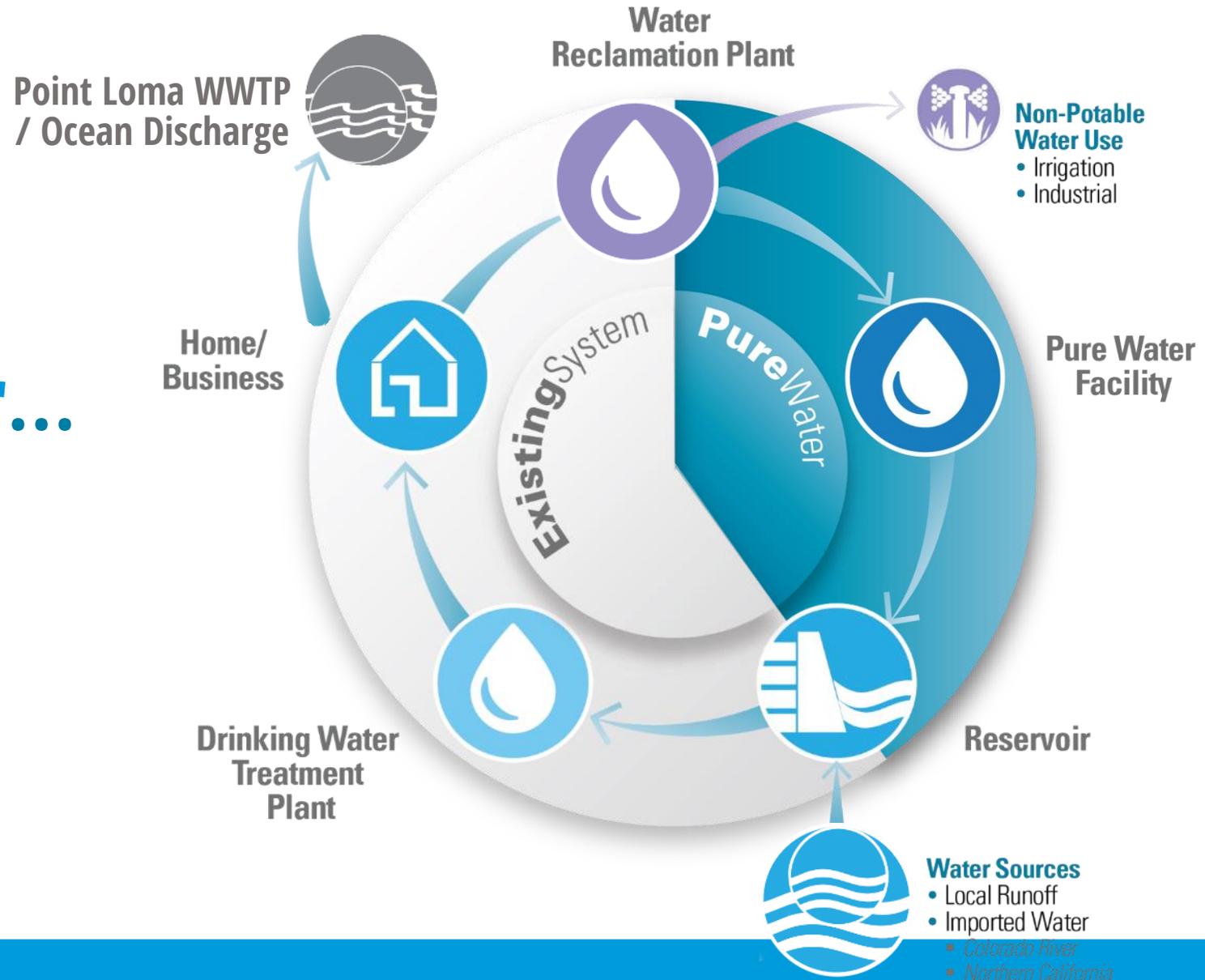
Reliable



Cost-effective

SD San Diego's Water Supply System

Pure Water...
Completes Our
Water Cycle



SD Pure Water Uses **Proven Technology**



Ozonation



**Biological
Activated
Carbon**



**Membrane
Filtration**



**Reverse
Osmosis**



**UV/Advanced
Oxidation**

SD Pure Water Runs a Successful Demonstration Facility



- **28,000** lab tests: **Met all standards**
- Water quality: **Exceptional**
- Energy use: **Less than imported water**



Independent Advisory Panel



Provides Stamp of Approval

- Local & National Experts
- 9 PhDs focused in water quality and public health

SD Pure Water Treatment Processes

A Long Track Record of Success



Orange County, California

37
years



Fairfax, Virginia

30
years

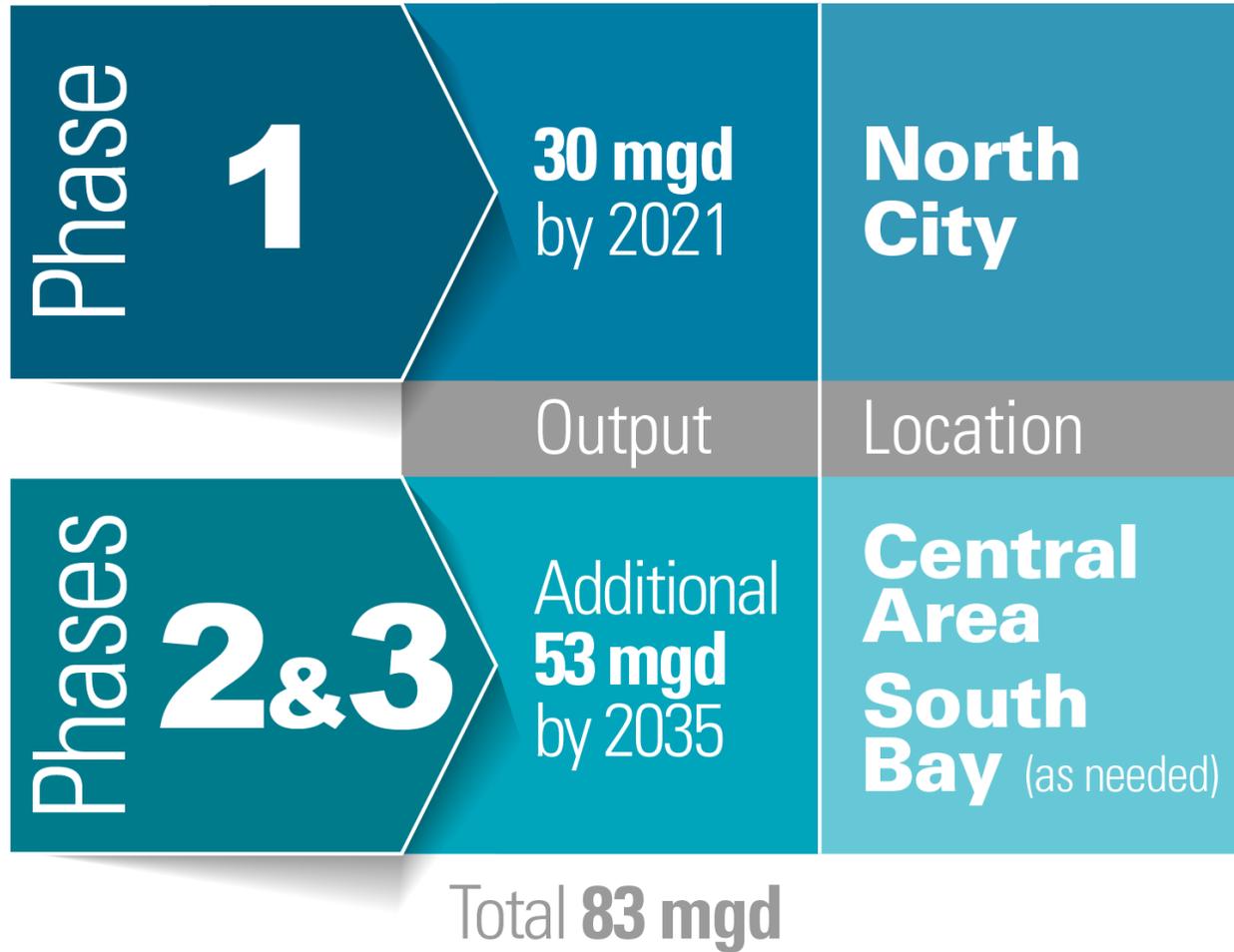
Meeting
100% of Water Quality Standards

Pure Water Reservoir Augmentation Concept



Involved Close Coordination **with** Regulators

- **APPROVED** by California Division of Drinking Water (2012)
- **SUPPORTED** by the Regional Water Board (2013)



Pure Water
will produce
1/3
of your water
locally

Phase 1

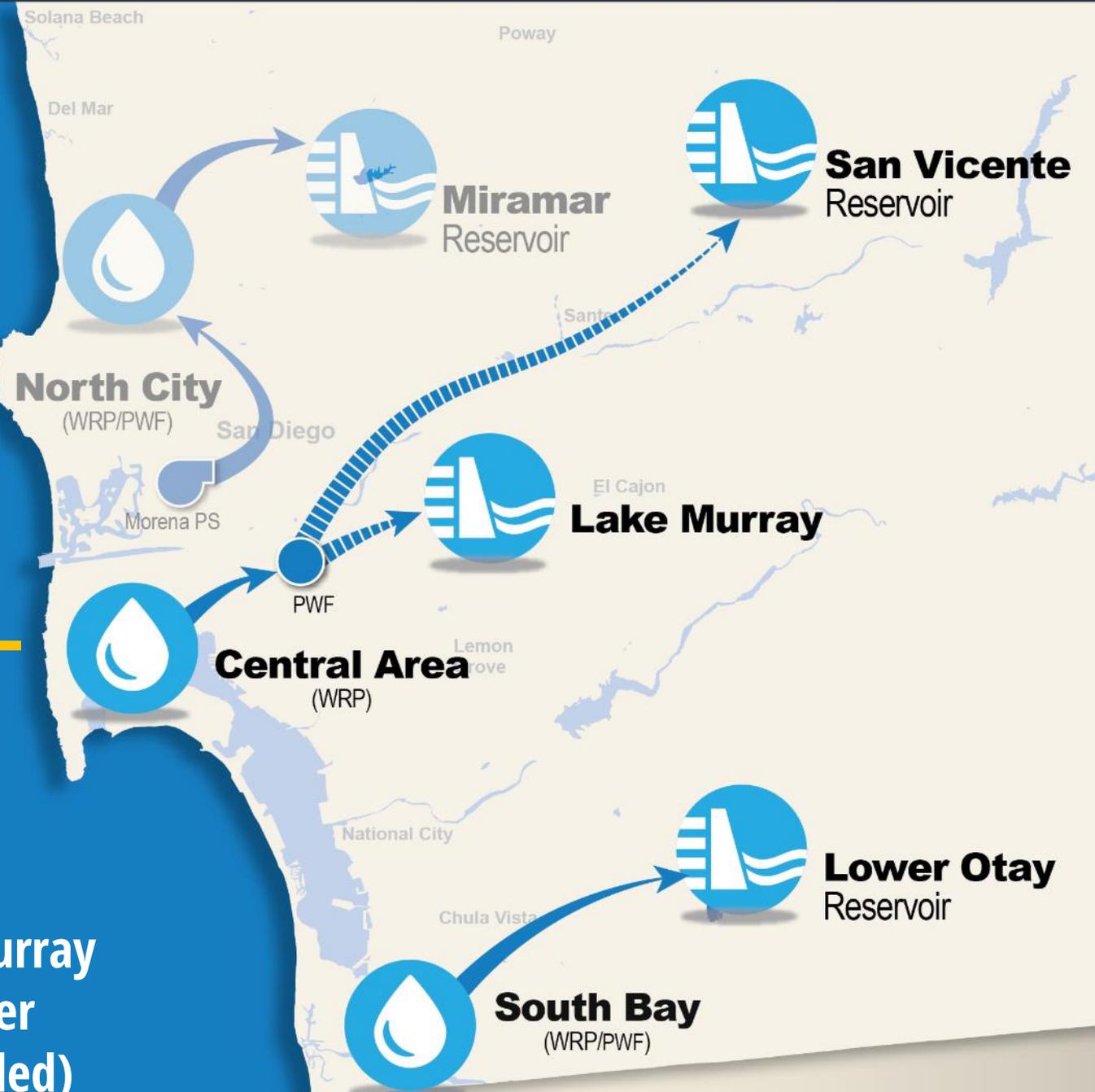
- 2021 Completion
- 30 mgd
- North City PWF to Miramar



Pure Water
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of your water
locally

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 Who Supports Pure Water?



SAN DIEGO COUNTY CHAPTER



SAN DIEGO PORT TENANTS ASSOCIATION



www.purewatersd.org

Sign up for a tour of the demonstration Pure Water Facility!



Pure Water San Diego



PureWaterSD



@PureWaterSD

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