



Quality ■ Value ■ Reliability ■ Customer Service
For all of San Diego...every day!



Pure Water

SAN DIEGO



San Diego Water/Wastewater Facts



Provide services to
8th largest US city
& surrounding
area

1.3M water &
2.5M wastewater
customers from
15 agencies

Regulated by
Federal & State
agencies

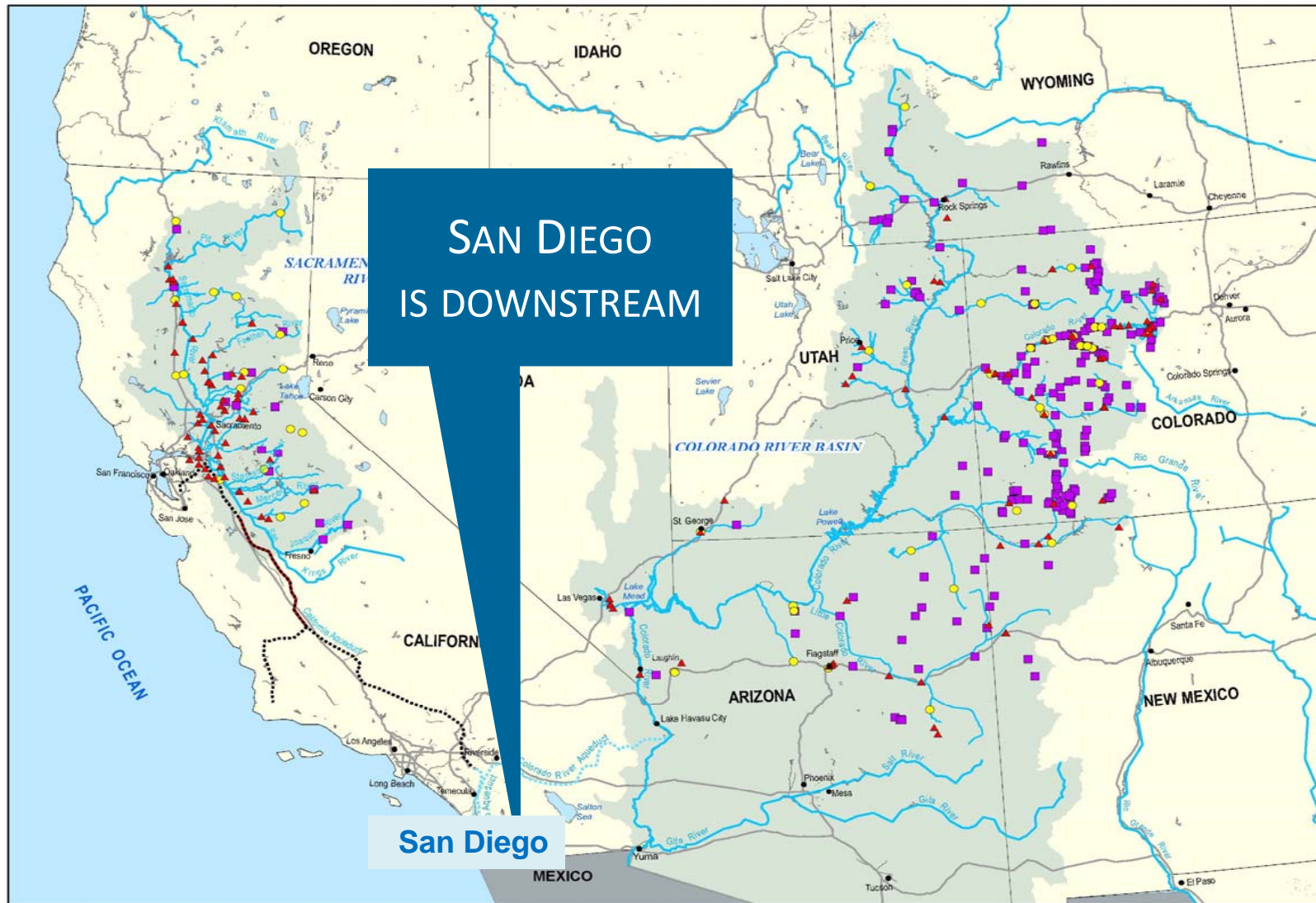
USEPA,
State Water
Resources
Control Board

~\$1B invested in
systems over last
5 years

More than
\$412M planned
capital projects
over next 2 years

Annual purchase
of imported
water (\$209M)
and facility
construction and
maintenance are
biggest costs

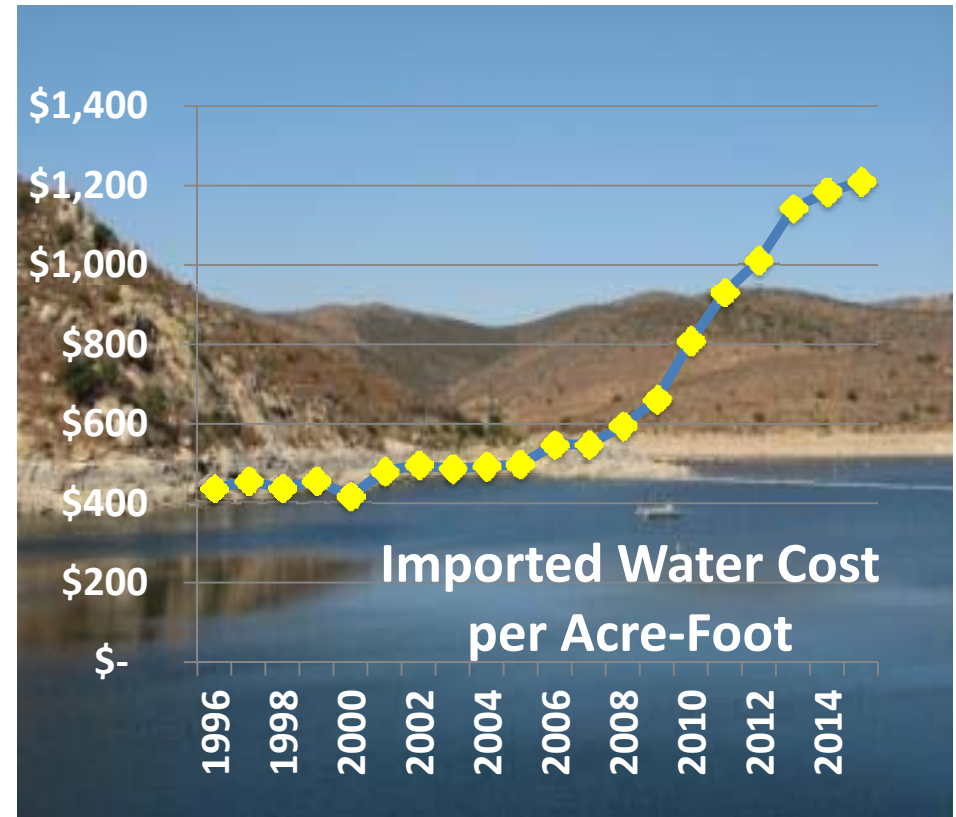
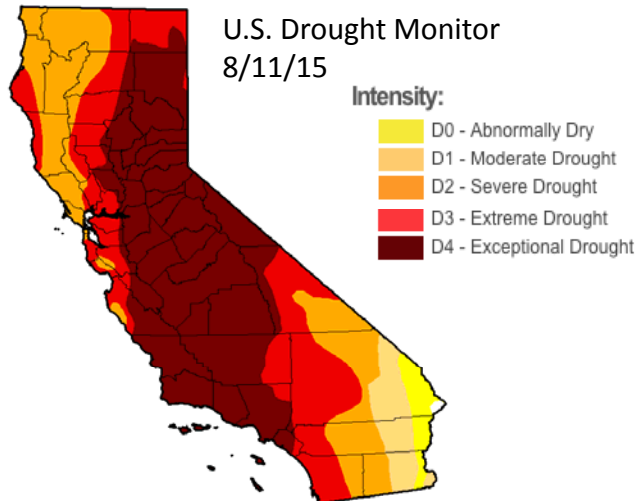
85% of Our Water is Imported



San Diego

Numerous Water Challenges

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




What is Being Done?

Regional:

- Water Conservation
- Desalination

SAN DIEGANS
WASTE
NO WATER
ALL WAYS. ALWAYS.

City of San Diego:

- Water Conservation
- Groundwater Development
- Recycled Water
- Potable Reuse - 



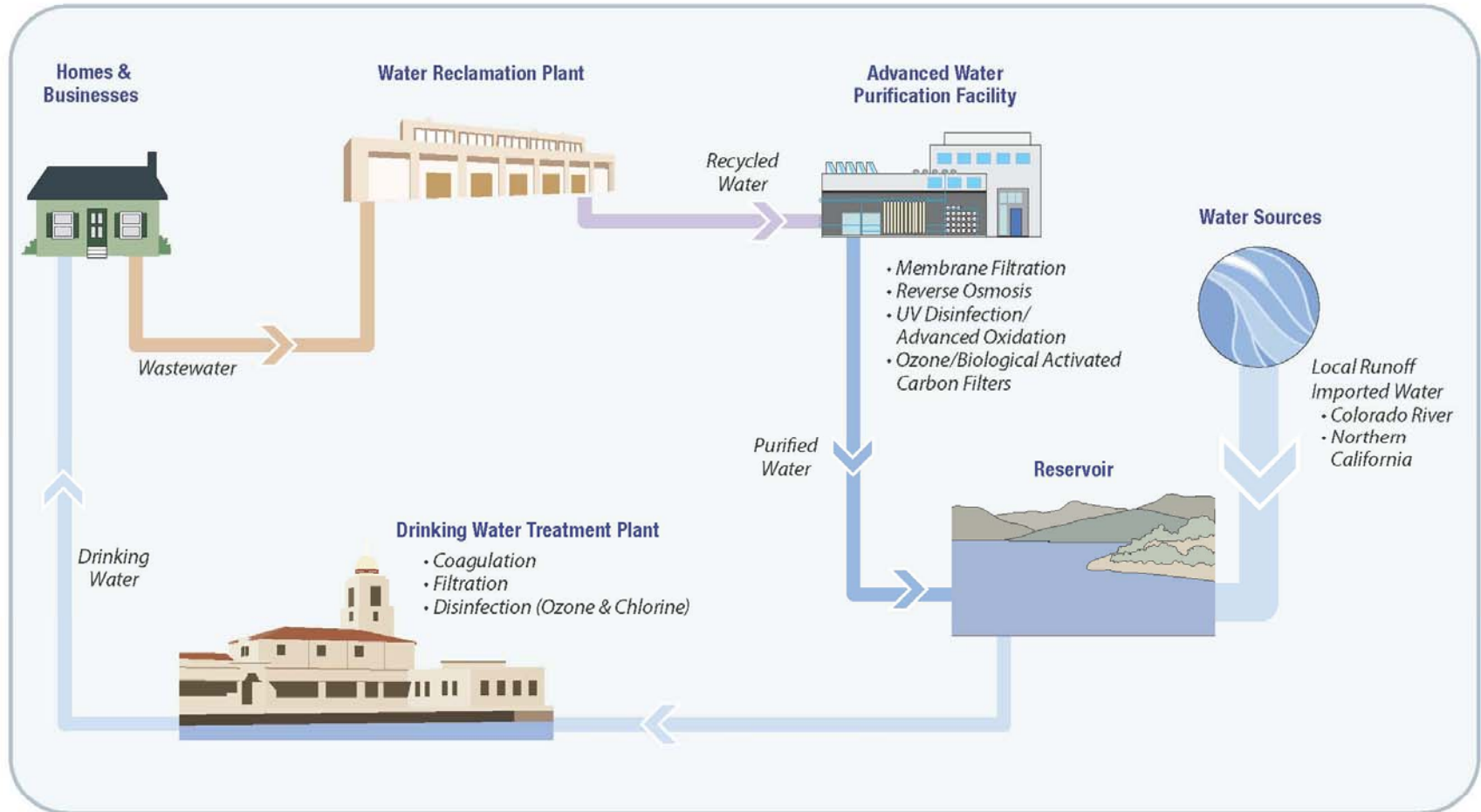
What is Pure Water San Diego?

Pure Water San Diego is a phased multi-year program that:

- Uses proven technology to produce a safe, sustainable, high quality water supply
- Is drought-proof and locally-controlled to significantly improve our water reliability
- Is a cost-effective investment for San Diego's future water needs



Here's How It Will Work





Pure Water San Diego Has Been Successfully Demonstrated

1 million gallon per day Demonstration Project

- Conducted 28,000+ tests – Met all standards
- Exceptional water quality – Comparable to distilled water
- Energy use is comparable to imported water

Microfiltration & Ultrafiltration



Reverse Osmosis



Advanced Oxidation/UV Light & Hydrogen Peroxide



Independent Advisory Panel Verified

- Experienced scientists & health professionals reviewed and evaluated research studies and treatment



[George Tchobanoglous](#), Ph.D., P.E., Chair

Professor Emeritus, UC, Davis

[Richard Gersberg](#), Ph.D., Vice-Chair

Interim Director, SDSU Graduate School
of Public Health

Director, Coastal and Marine Institute, SDSU

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Director of Water Quality and Technology
Orange County Water District (Fountain
Valley, CA)

[James Crook](#), Ph.D., P.E.

Water Reuse Consultant (Boston,
Massachusetts)

[David R. Schubert](#), Ph.D.

The Salk Institute for Biological
Studies

[Audrey D. Levine](#), Ph.D., P.E., DEE

U.S. Environmental Protection
Agency

Others Are Doing It Successfully

Orange County, CA



- Operating since 2008
- Places purified water into groundwater basin
- Recently expanded to 100 MGD

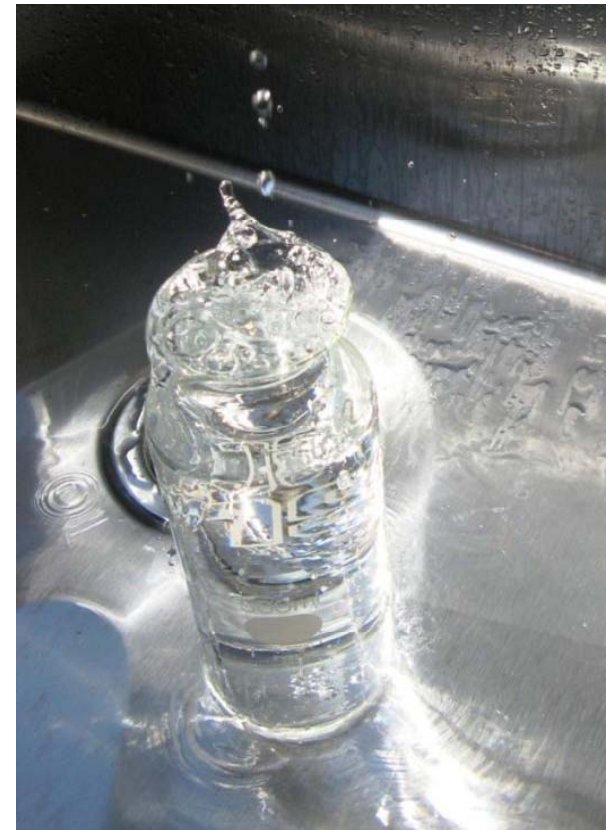
Fairfax, VA



- Operating since 1978
- Recycled water is added to a surface storage reservoir
- Potable water supply source for Fairfax County, VA

State & Federal Regulators Are Supportive

- September 7, 2012, California Department of Public Health approved the San Vicente Reservoir Augmentation Concept
- February 12, 2013, the Regional Water Board supported the City's efforts to develop the San Vicente Reservoir Augmentation Project



Developing Our Local Water Supply

Initial
Phase
2021

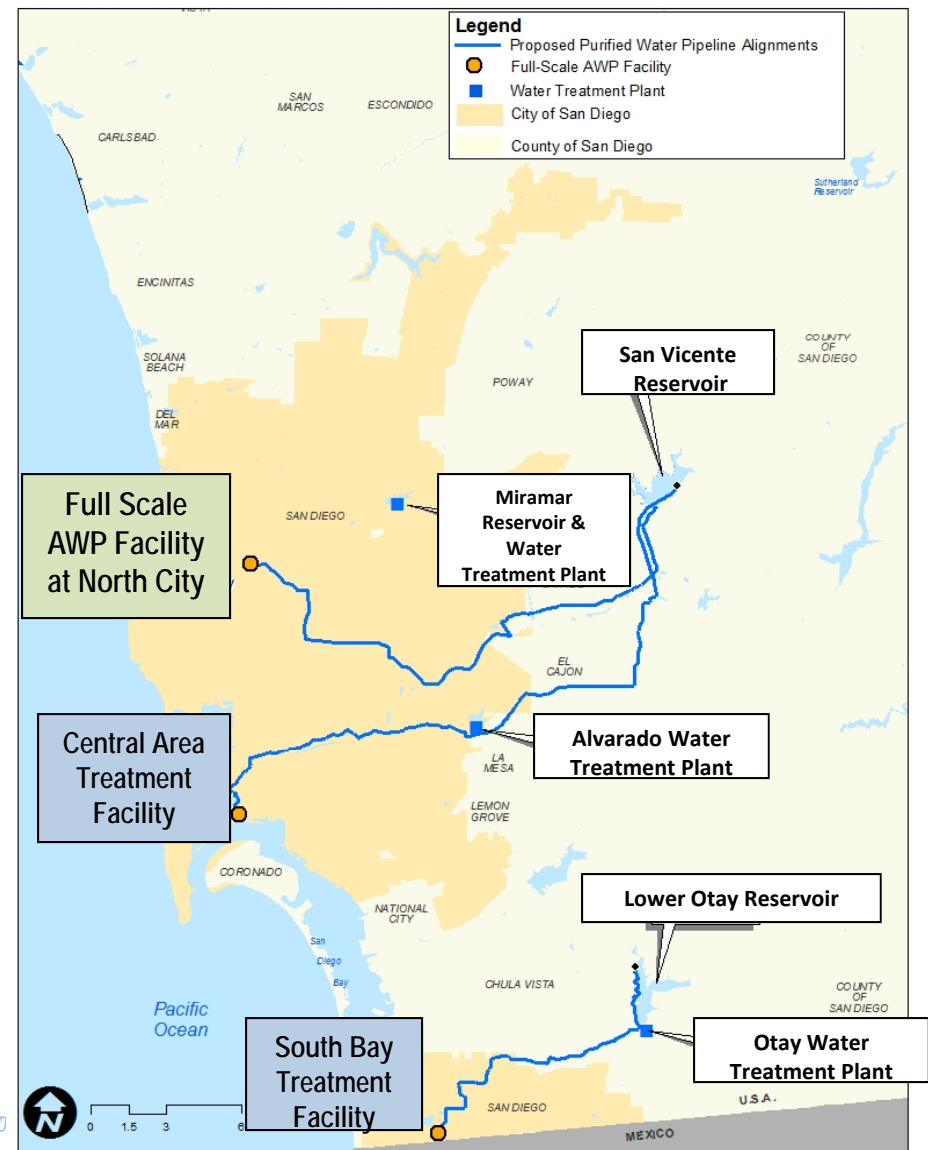
Up to 30 MGD

Wastewater will be purified at North City Plant and delivered to San Vicente or Miramar Reservoir

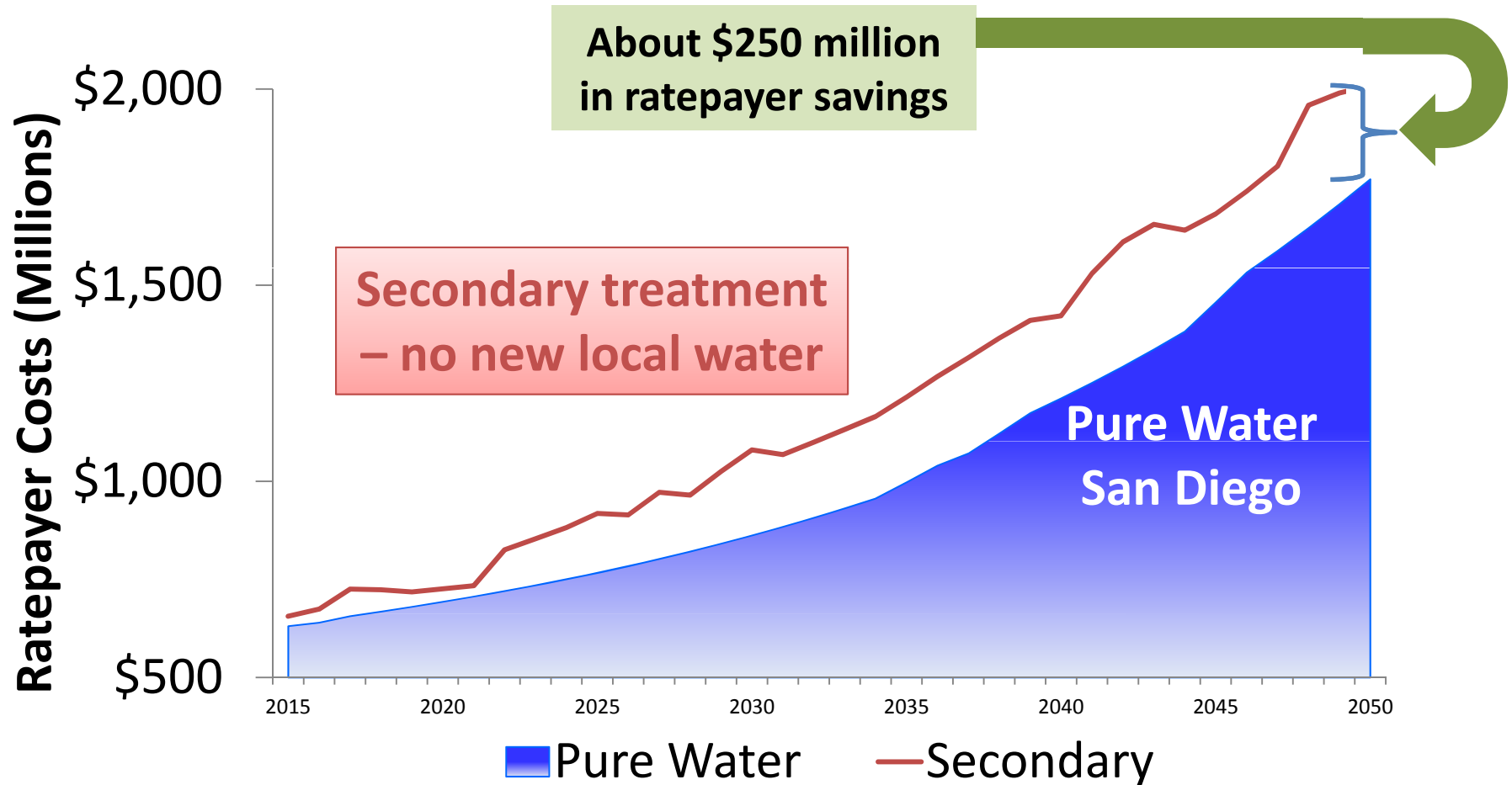
Long
Term
2035

83 MGD

Wastewater will be purified at the Central Area Treatment Facility and South Bay Plant and delivered to San Vicente and Otay Reservoirs



Pure Water San Diego Saves Money



Pure Water is estimated to cost from \$1,700 to \$1,900 per acre foot

Who Supports Pure Water?

- Elected Officials
 - City Council Point Loma permit application approval, Nov. 18, 2014
- Environmental Groups
- Wastewater Participating Agencies
- Professional Engineering Community
- Water Reliability Coalition
- Business Community
- Independent Rates Oversight Committee



What Can I Do?

- Visit our website:
PureWaterSD.org
- Register for tours:
PureWaterSD.org/tours
- Join our mailing list or sign
a support card



Pure Water San Diego



@PureWaterSD



purewatersd



Please check all that apply:

- I support the Pure Water San Diego Program.
- I would like to receive updates about Pure Water San Diego.
- I would like a presentation given to my organization.

Please send information to:

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 City: _____ State: _____ Zip: _____
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