



THE CITY OF SAN DIEGO



Pure Water San Diego

Committee on the Environment Item #8

March 26, 2014



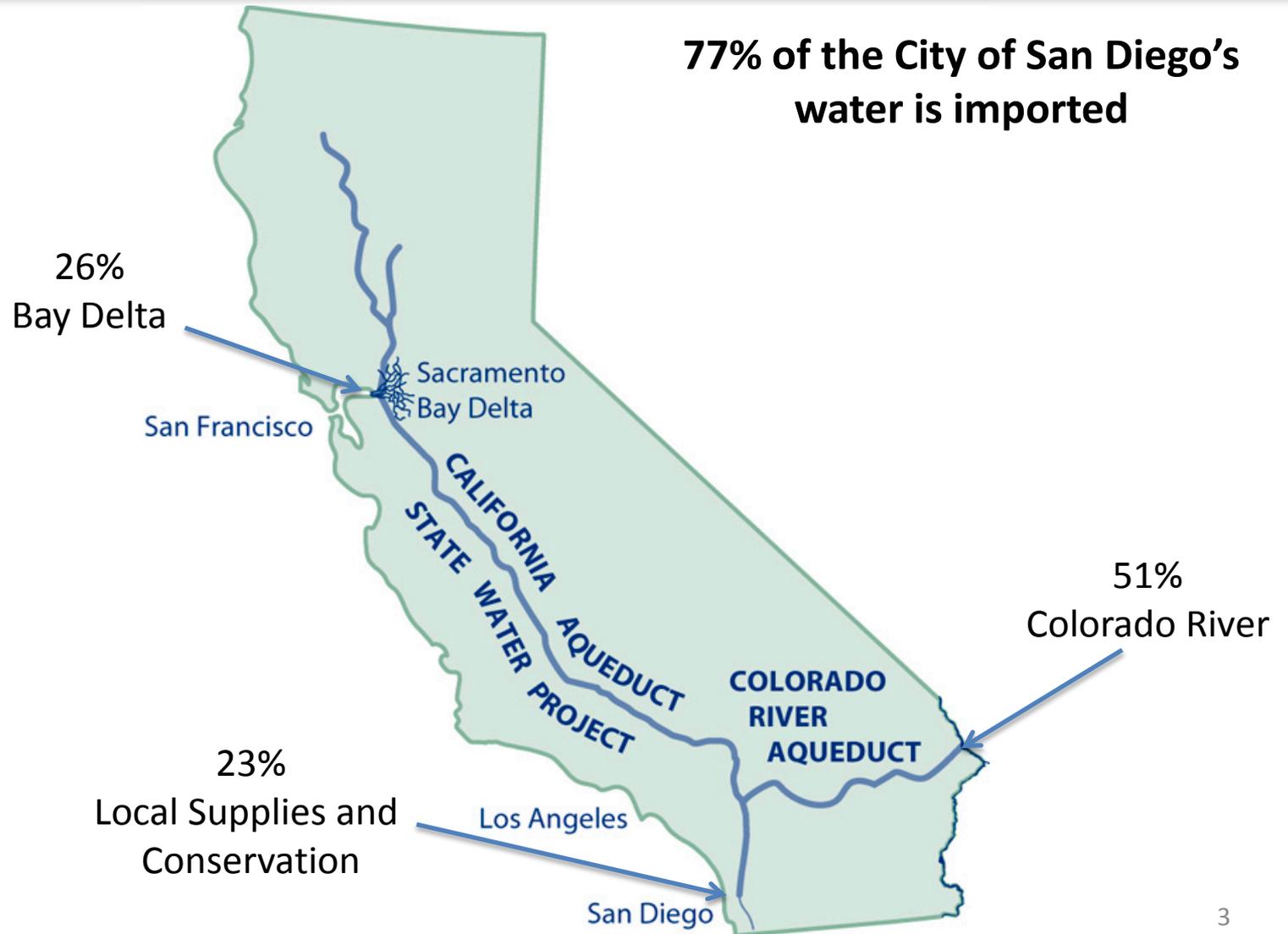
Your Public Utilities Department...

- Delivers high quality drinking water, collects and treats wastewater, produces delivers recycled water, and generates green energy—everyday
- Maintains and operates extensive infrastructure
- Keep rate-payer affordability top of mind



California Water System Highlights

77% of the City of San Diego's water is imported





Water Supply Availability

- Limited local supplies
- Imported water at risk as competition for the resource rises
- Recurring drought
- Population growth
- Regulatory constraints
- Natural disasters/climate change

Gov. proclaims drought emergency

By Jason Dearen, Associated Press 10:56 A.M. JAN. 17, 2014

PRINT

California Has Driest Year Ever -- And It May Get Worse

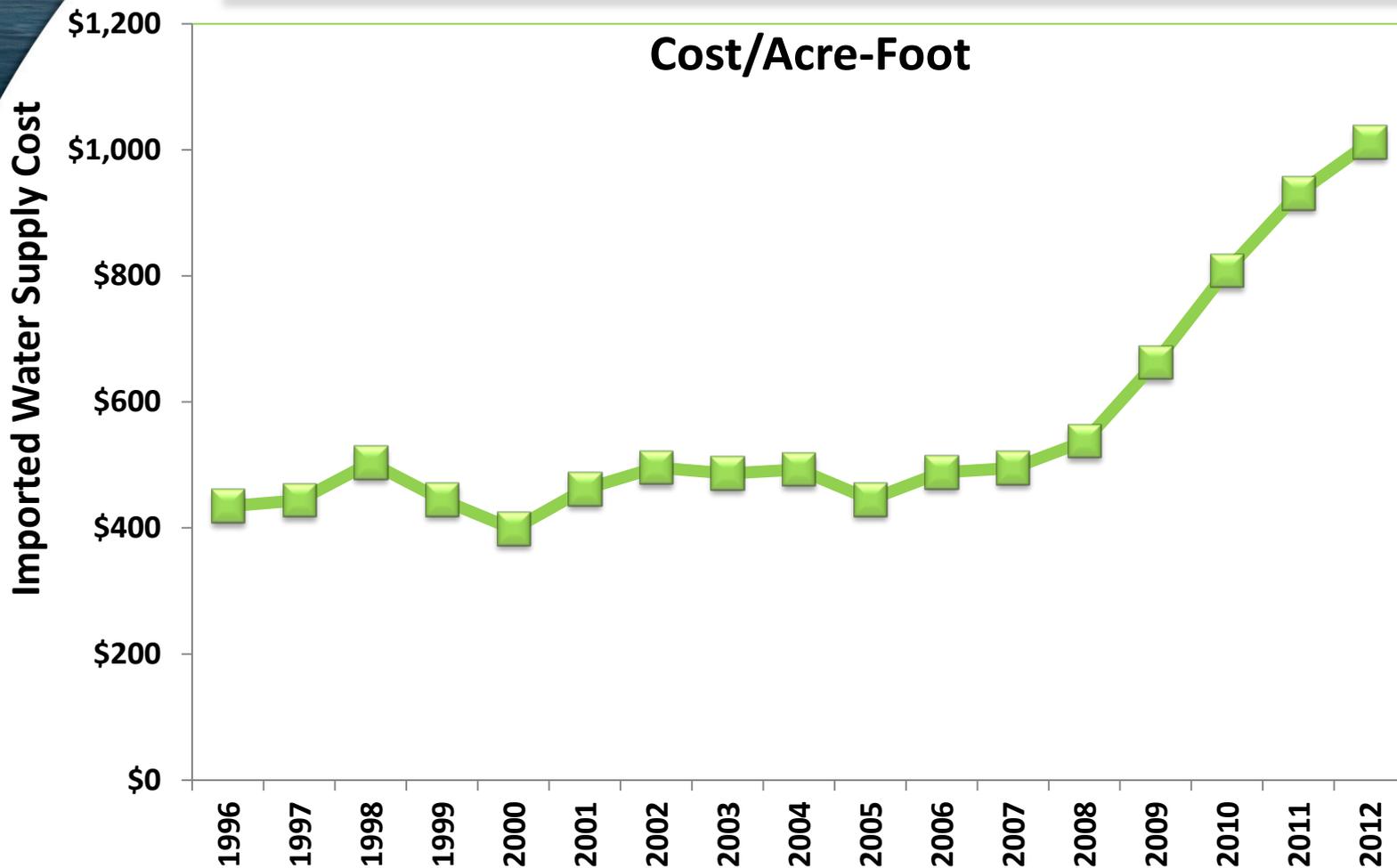
The Huffington Post | By Robin Wilkey

Posted: 01/15/2014 10:10 pm EST | Updated: 01/16/2014 11:00 am EST





Imported Water Costs



Imported water costs have doubled since 2008



What Options Does San Diego Have?

Regional:

- Importing from State Water Project and Colorado River
- Desalination (SDCWA)



City of San Diego:

- Water Conservation
- Groundwater Development
- Recycled Water
- Indirect Potable Reuse (Pure Water)





Over 1/3 of San Diego's Water portfolio (83-mgd) of Pure Water: Our Opportunity

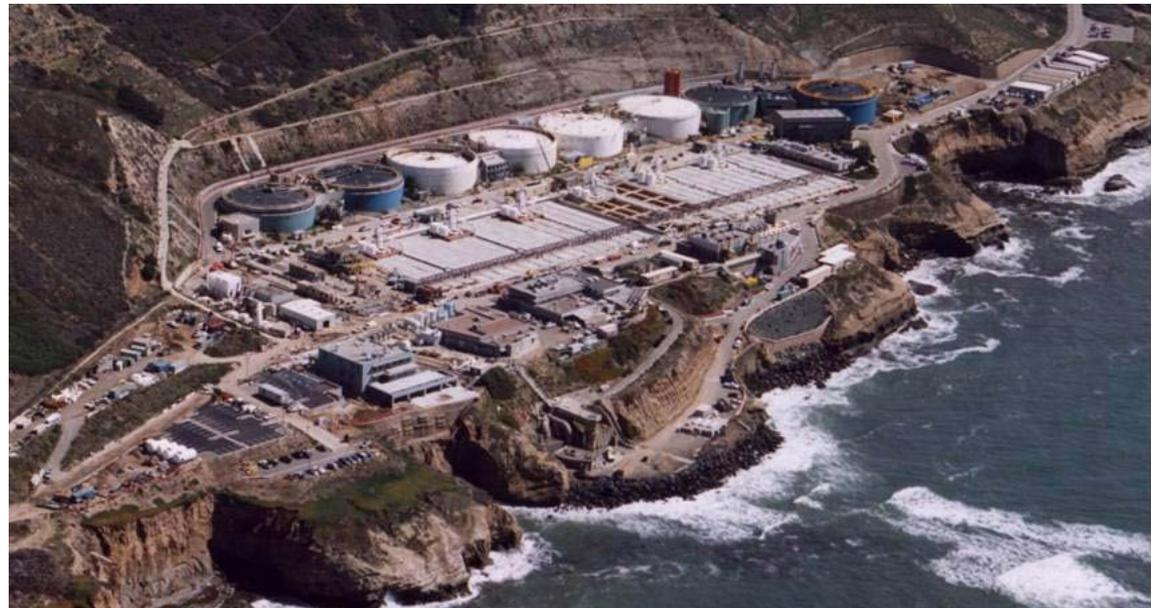
- Initial phase: 15 mgd of purified water to San Vicente Reservoir (7 - 8% of local supply)
 - Our purest source of raw water
 - Reliable and locally controlled
 - Drought proof, climate independent
 - More control over local investments
 - Add economic benefit to local industry
 - membrane companies, construction jobs
 - Decreases reliance on imported water
 - Reduces ocean discharge





Pt. Loma Wastewater Treatment Plant

- Pt. Loma is the hub of a geographically distributed system
- Collects, treats & disposes wastewater from San Diego & 12 other agencies
- Pt. Loma operates with a 5-year modified permit – expires August 2015
- Renewal application due to EPA – January 2015





Pure Water Supports Permit Renewal

- Long-term program specifics
- Permit renewal application due January 2015
- Committing to investment in Pure Water could result in substantial savings at Pt. Loma
- Reduces treated water discharge volume into ocean





San Diego Water at a Fork in the Road

Pure Water

Local Water Control

Most Economical

Creates sustainable new water supply

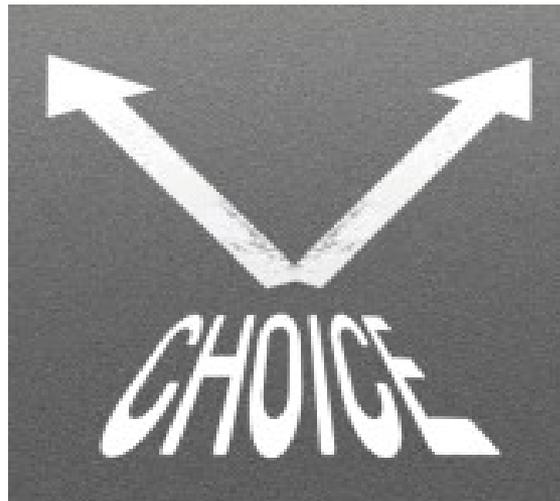
Secondary Treatment

Imported Water Dependent

Vulnerable to Rising Costs

Continued Ocean Discharge

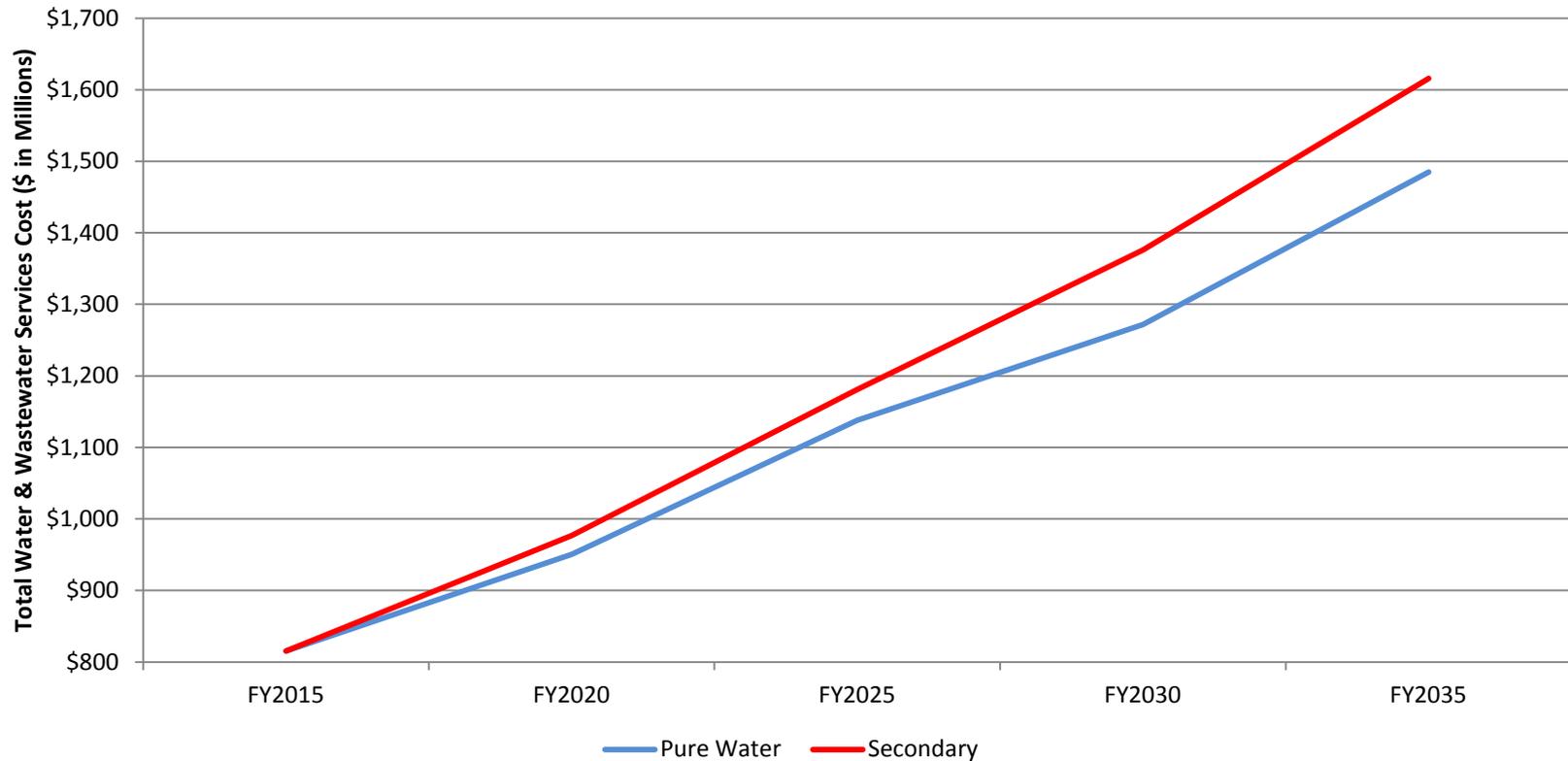
San Diegans will save at least **a quarter of a billion dollars** in the next 20 years





San Diego Water

Secondary Treatment & Imported Water Vs. Pure Water





Recommendations

- Approve the Resolution Supporting the “Pure Water San Diego” program
 - Develop a strategy for secondary equivalency at the Point Loma Wastewater Treatment Plant through implementation of potable reuse
 - Develop the budget, structure, staffing, contracts, regulatory packages, and public outreach programs for Pure Water San Diego
 - Report to Council on the status of the Pure Water San Diego implementation strategy before the City’s submission of the modified NPDES permit renewal