Bay Area One Water Network Workshop on Urban Stormwater



Augmenting the Bay Area's Water Supply with Stormwater: Why Now and Why Here?

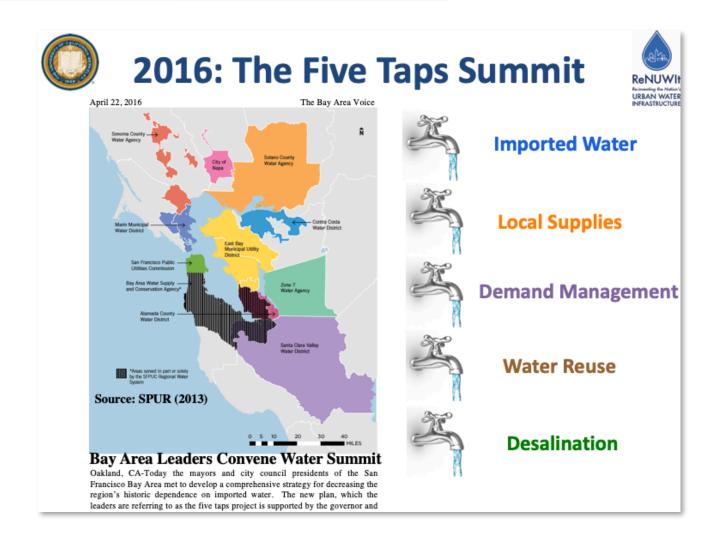
> David Sedlak UC Berkeley

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July 25-26, 2019

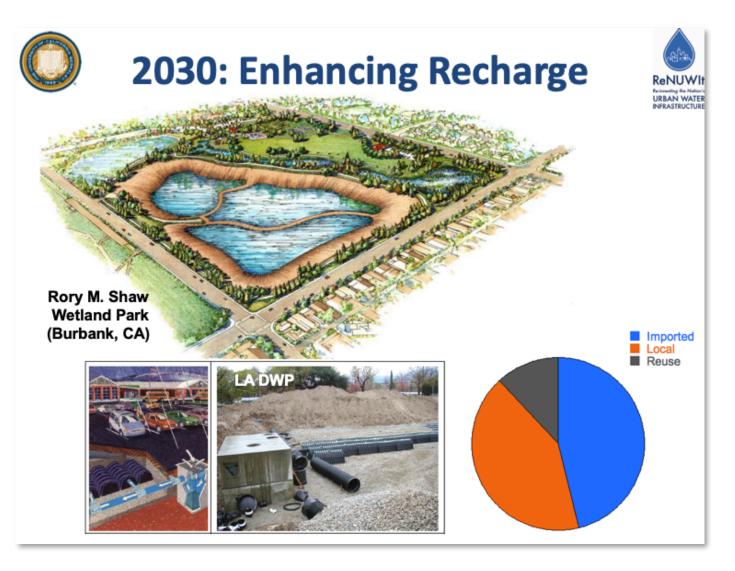
One Water for the SF Bay Area





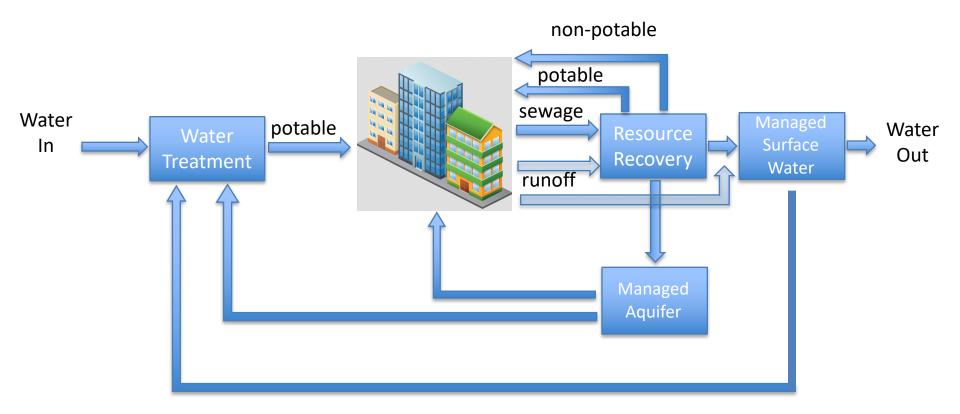
One Water for the SF Bay Area





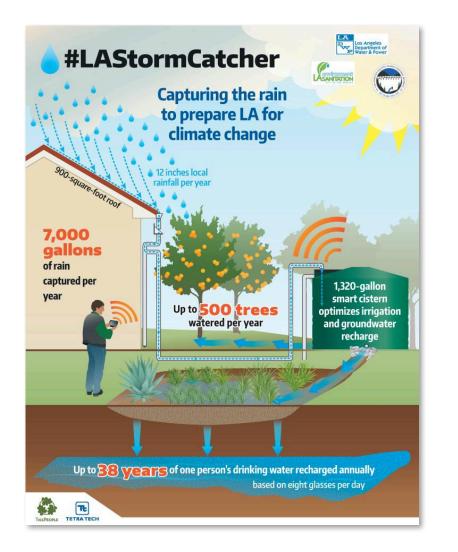
The Logic of Stormwater



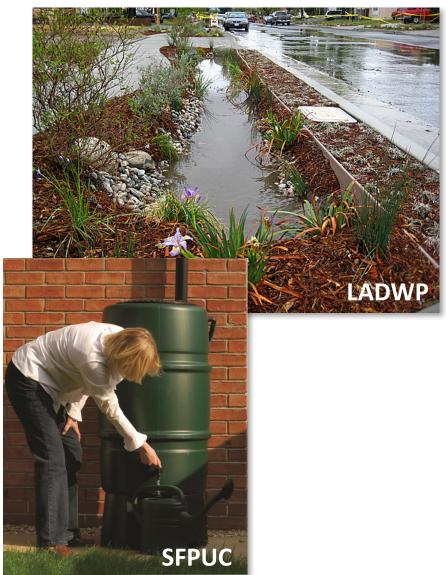


The Charm of Stormwater









The Reward of \$tormwater



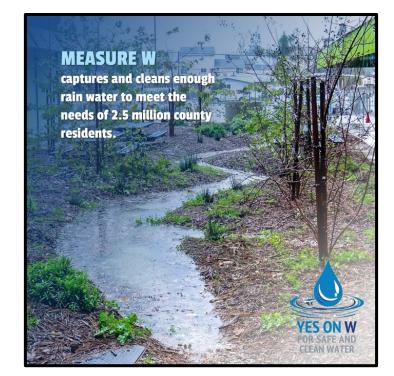
Storm Water Continues to be the Largest Funding Need

Storm water capital infrastructure needs total \$775.1 million, making it the largest funding need among General Fund assets. Its funding gap continues to be the largest and continues to grow, totaling over \$700 million. Storm water capital needs comprise of improving storm drain pipes to address flood risks, as well as mitigating runoff to improve water quality of the City's watersheds

Los Angeles Measure W, Nov. 2018

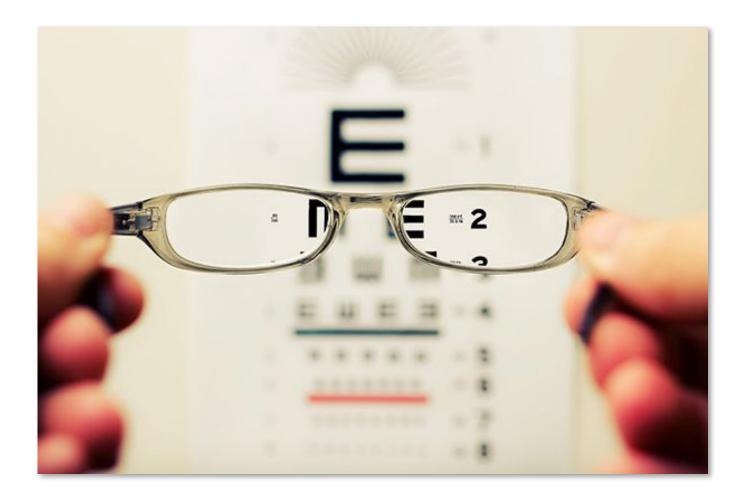
Tax: 2.5 ¢/yr-sq ft impermeable space *Required 67% voter approval* County-wide passage (69.5%)



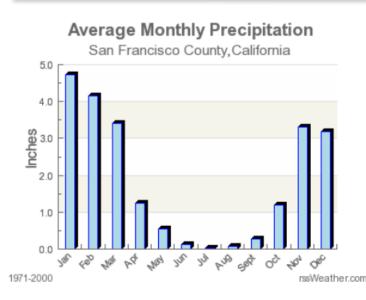


Seeing the World Clearly





Bay Area-Specific Challenges



Mediterranean Hydrology

Median Home Sales Prices by Year Sonoma, Marin, San Francisco, California and U.S. Trends

numbers are approximate. *2018 YTD medians for CA and US are estimates



Renuwit Re-inventing the Nation's URBAN WATER INFRASTRUCTURE

Expensive Land

Uncooperative Geology



Institutional Challenges





Stovepipes Are Hard to Break

- Funding Sources
- Institutional Mandates
- Trust and familiarity
- Politics



Stormwater is a challenging water resource for the Bay Area.

It is worth considering for reasons including:

- Public/political support
- Resources for multi-benefit projects
- Potential resiliency & sustainability



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Our task:

How significant is the potential over a 30-year horizon? Which opportunities should be prioritized? What are the next steps?