

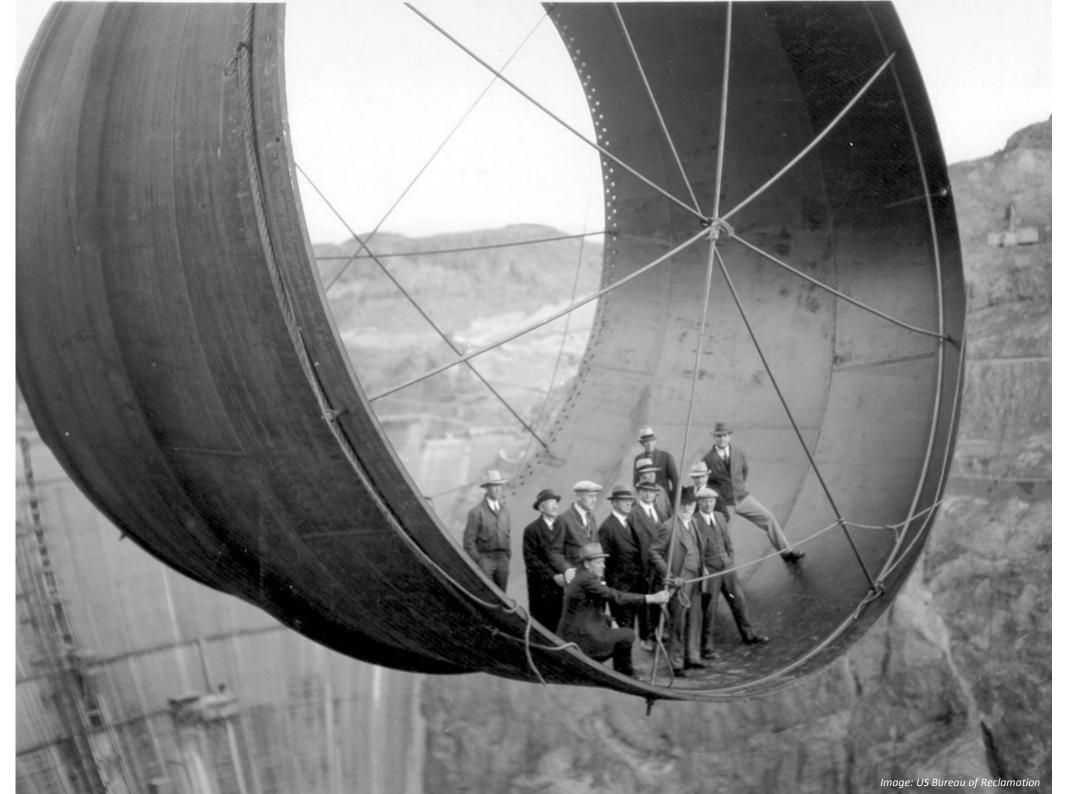
THURSDAY, SEPT. 15, 2016

BEST BEST & KRIEGER LLP

21st Century Water
Outfitting the West for a Drier, Hotter, More Crowded Future

Laura Shenkar, Artemis Water Strategy



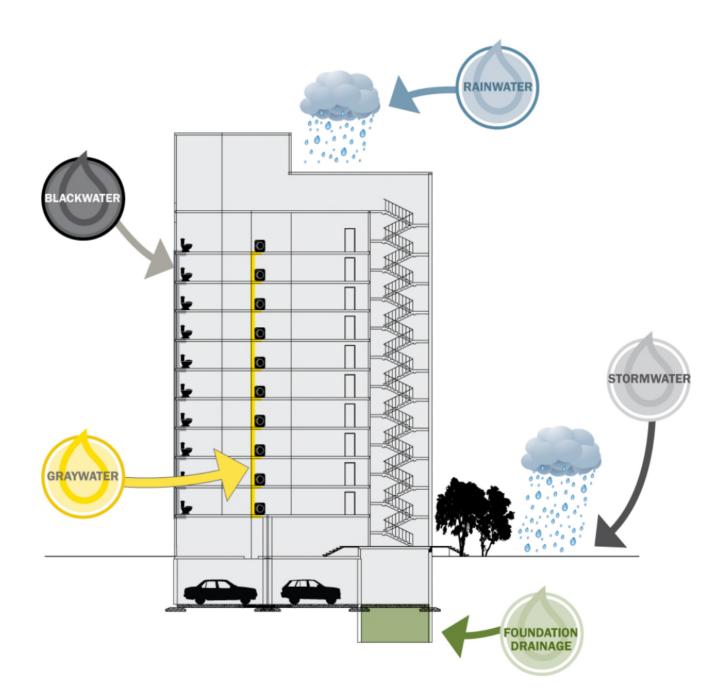


Distributed Technology-Driven Water





Onsite Sources





On-site Non-potable Water Use at Innovative SFPUC Headquarters

Rainwater Harvesting System

- 25,000 gallon cistern
- Reuse for irrigation
- 25 Micron Filtration
- UV (optional)

Reciprocating Wetland

- Collects and treats building's wastewater
- Reuse for toilet flushing
- 5,000 gpd capacity

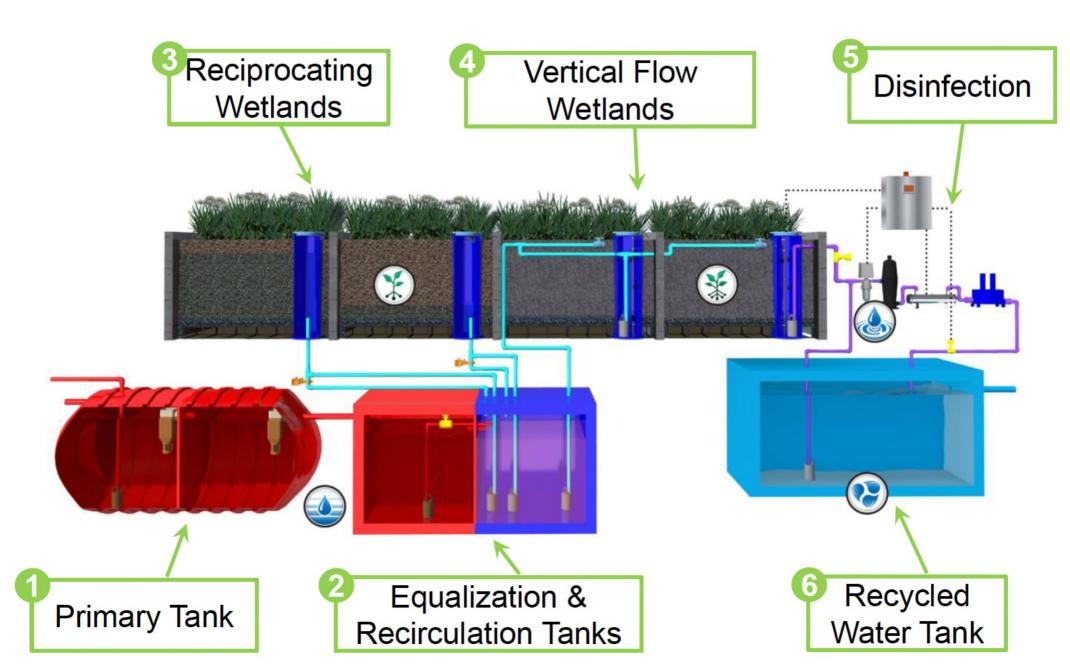


Distributed Water, Integrated into Buildings and Public Spaces





System Schematic



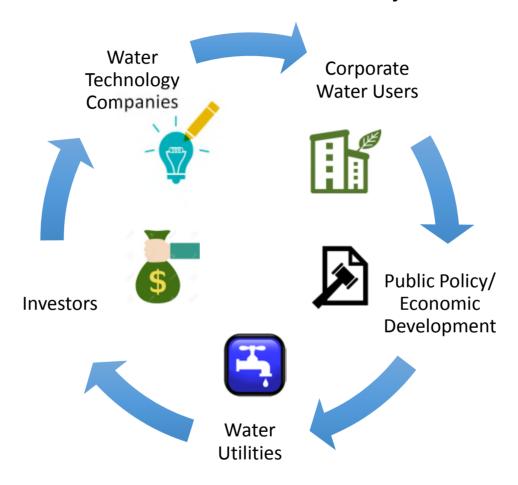
Distributed Water, Integrated into Buildings and Public Spaces



Water Tech's Emerging Vanguard



Stakeholders for 21st Century Water

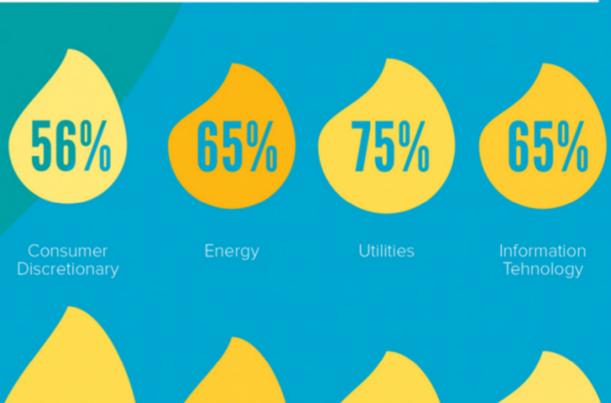


Artemis Water Strategy: Stakeholder Client Base



EXPECTED TIMEFRAME FOR RISKS TO MATERIALISE (%OF RISKS REPORTED)

SECTORS MOST EXPOSED TO SUBSTANTIVE WATER RISK





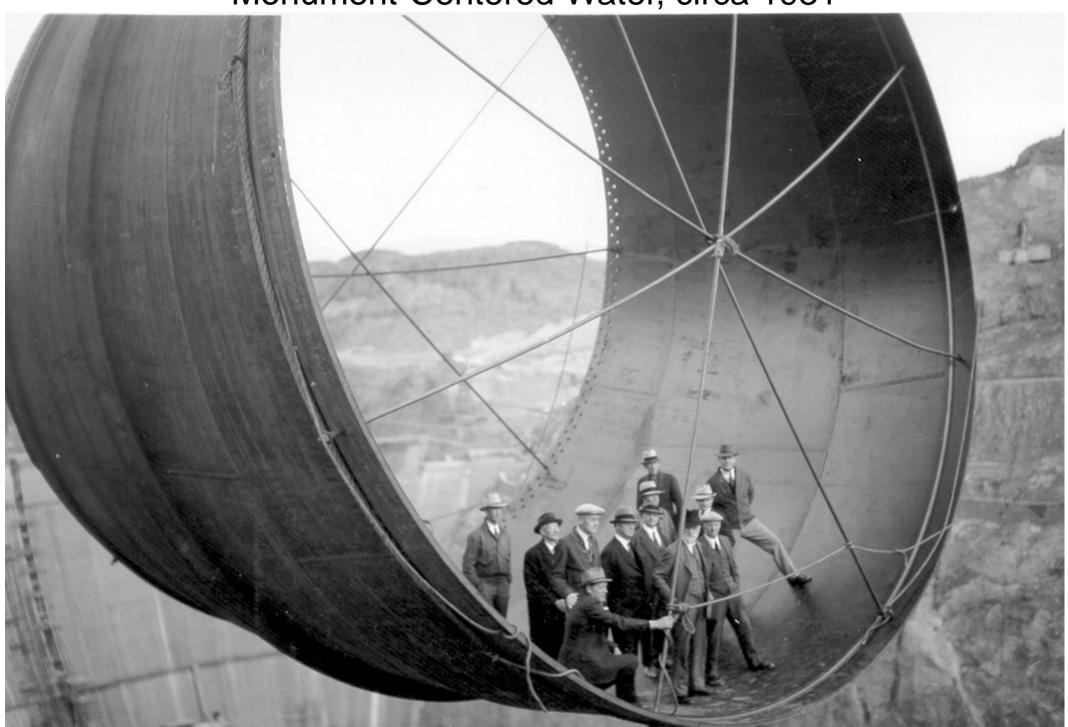
Consumer



Health Care

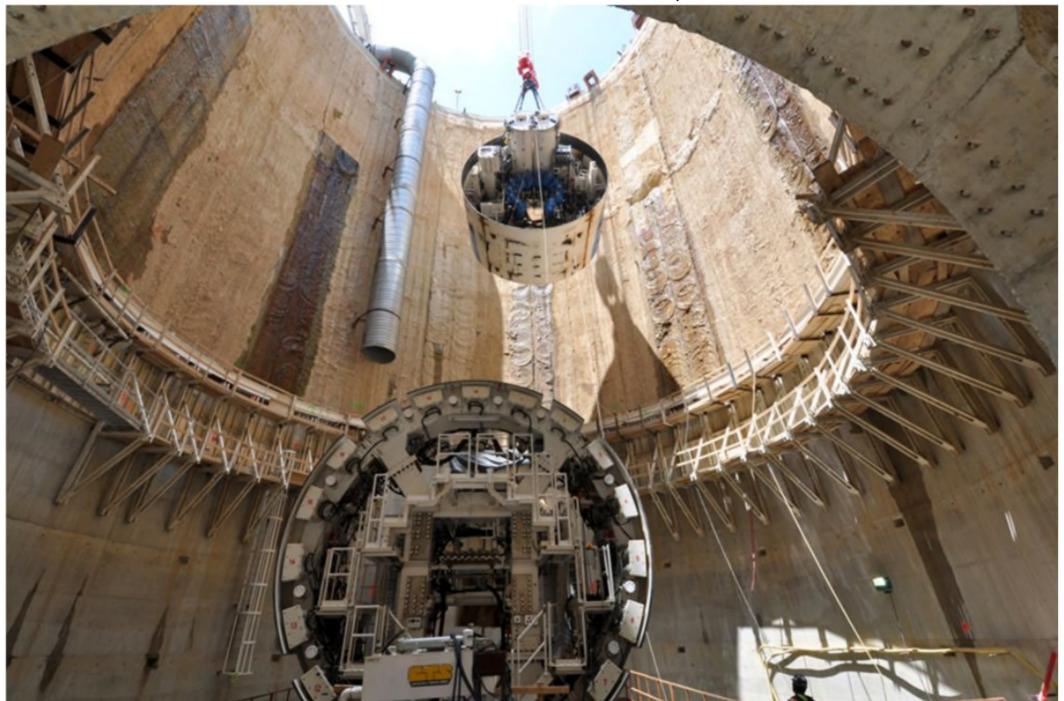




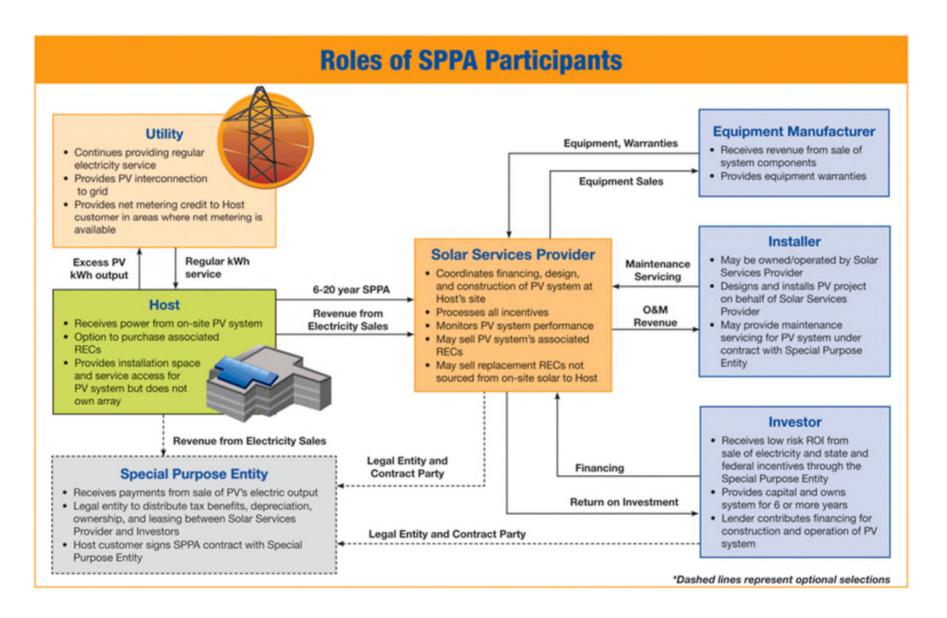




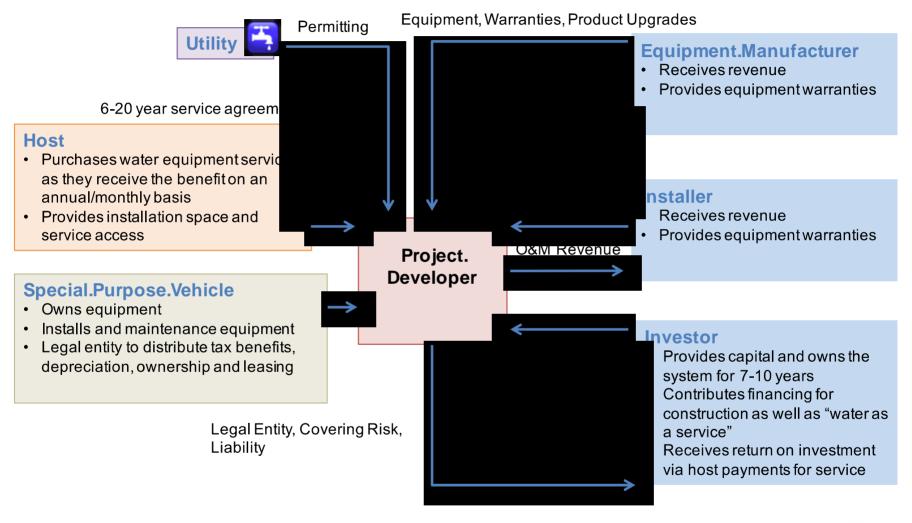




The Solar Power Purchase Agreement

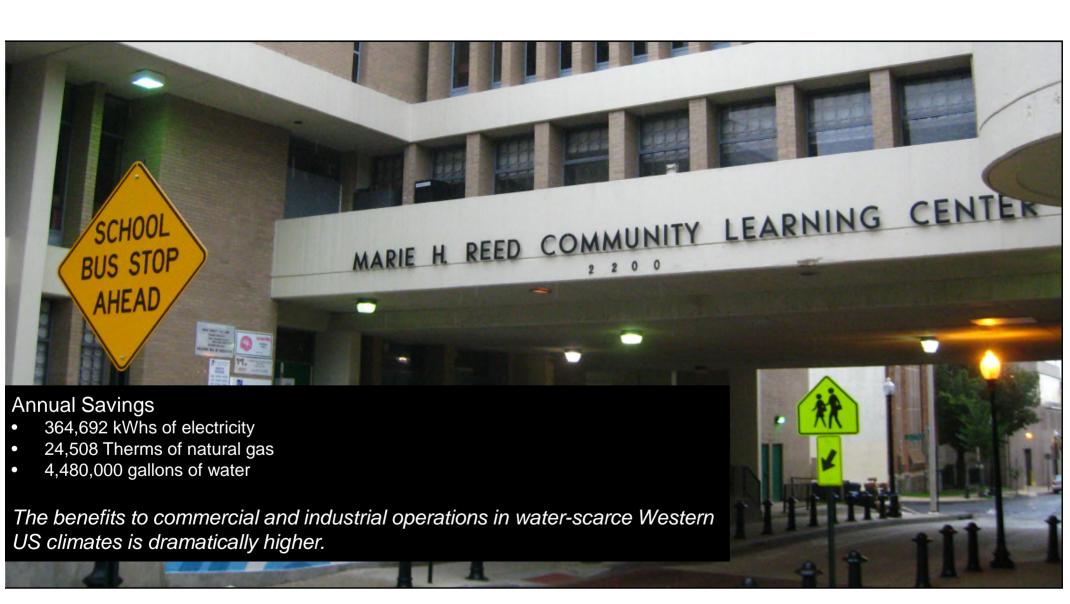


Structure: Water laaS Finance Facility





Water Infrastructure as a Service: Driving operational resilience and major savings in DC









Assembly District 35

Katcho Achadjian

The economic benefits of California's climate policies in-district to date:



\$1.9 Billion

Documented in-district investment in renewable energy, energy efficiency, transportation and other climate projects



7,423 Jobs

in the local advanced energy economy



\$3.8 Million

Cap and Trade funds allocated to the district



7% of cap and trade funds benefit disadvantaged communities



5,673 cars off the road emission reduction equivalent

As of August 2016



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Howard Brewen, City of San Luis Obispo



San Luis Obispo One Water

Utility Profile





Area	13.2 square miles
Population served	Residential: 45,802 (does not include Cal Poly) Cal Poly: 38,000 (latter part of Sept. thru middle of June) Day Time Population: surges to 110,000
No. Water Treatment Plants	(1) capacity 16 MGD
No Wastewater Plants	(1) capacity 5.4 MGD, current upgrade will have a capacity of 16 MGD
Water Distribution System Wastewater Collection System	160 miles of pipeline, 15,000 meters 147 miles of pipeline, 7 lift stations
Sources of Water	(3) lakes/reservoirs, (4) ground wells, reuse

Capital Improvement 2015 - 20

	Distrib	Distribution/Collection		Tanks/Lift Stations		Treatment Plants		Other	
Water	\$	12,057,000	\$	7,147,500	\$	940,000	\$	486,000	
Wastewater	\$	6,251,000	\$	5,575,000	\$	82,341,000	\$	1,051,100	
Stormwater	\$	2,705,637							
Whale Rock	\$	677,000					\$	142,800	
Total	\$	21,690,637	\$	12,722,500	\$	83,281,000	\$	1,679,900	

Water Utilities Look at the Triple Bottom Line



Image: CSR Ambassadors