

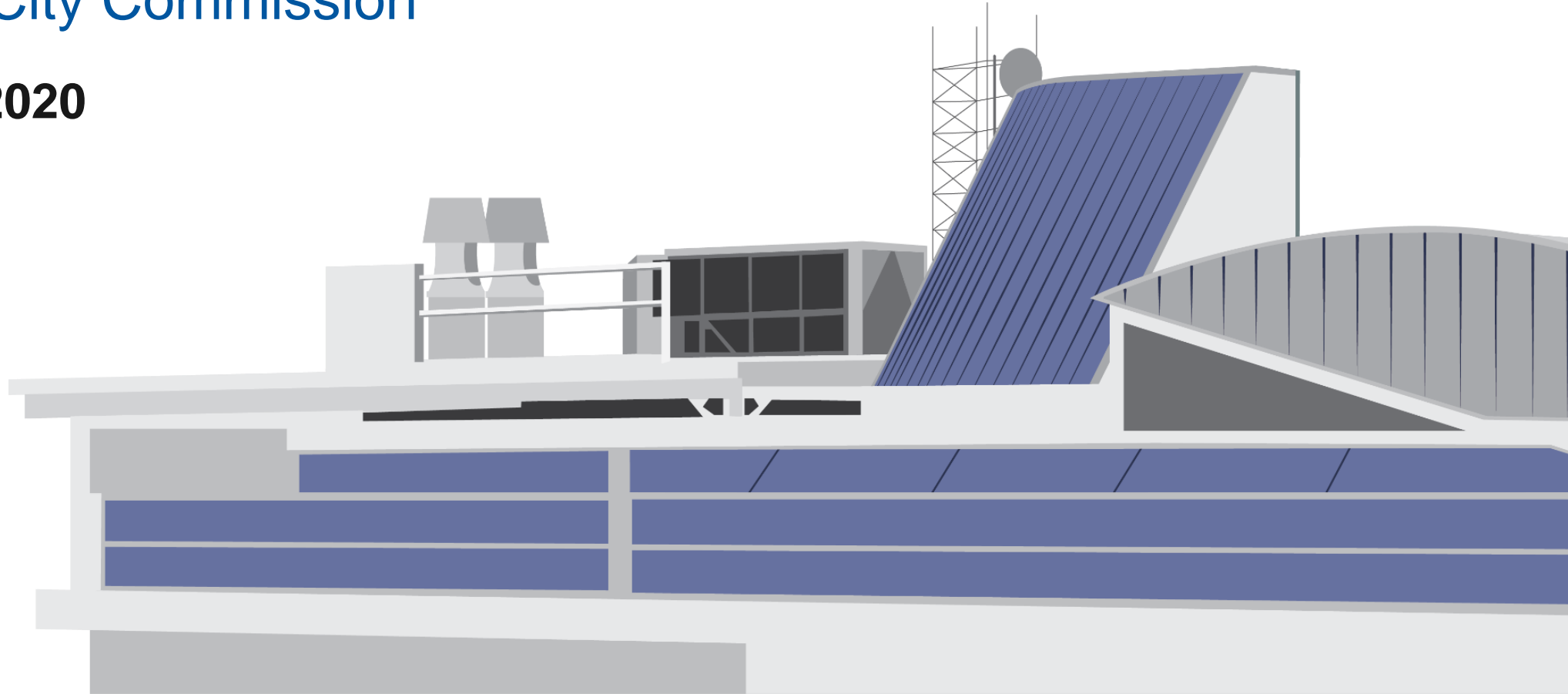


Long Beach Water

Water Resources

Sustainable City Commission

February 27, 2020



Agenda

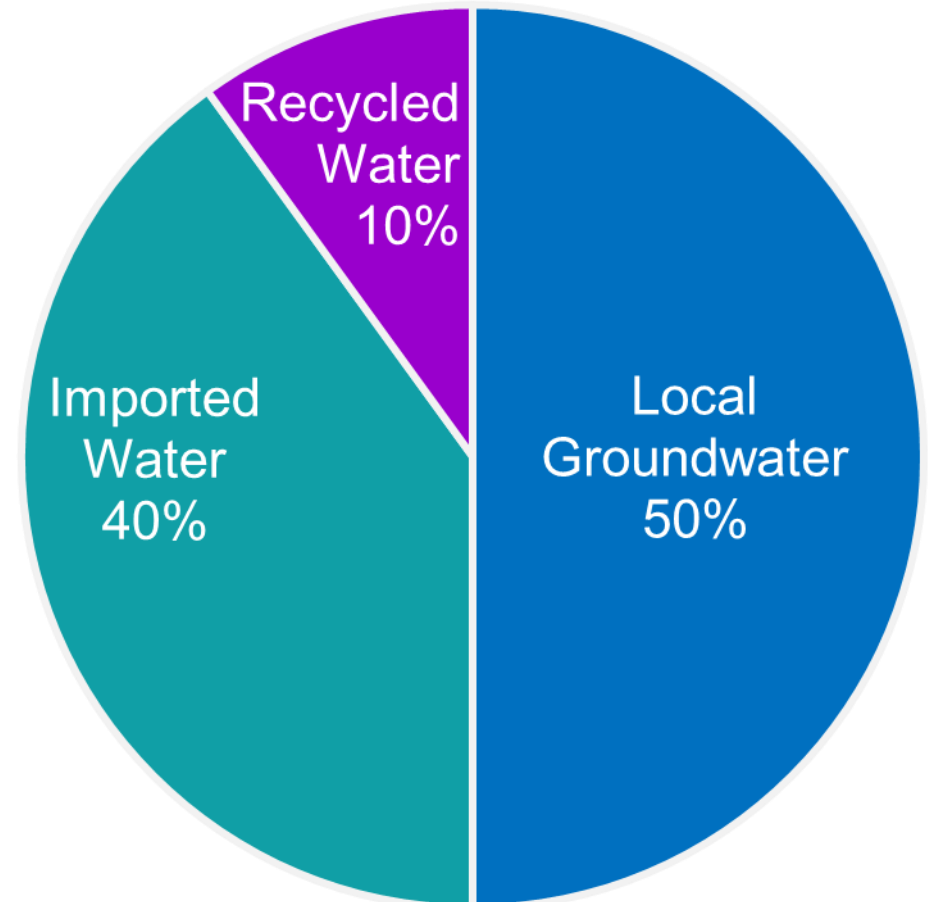
1. Where our water comes from
2. Current water supply conditions
3. Planning for the future
4. Promoting efficient water use



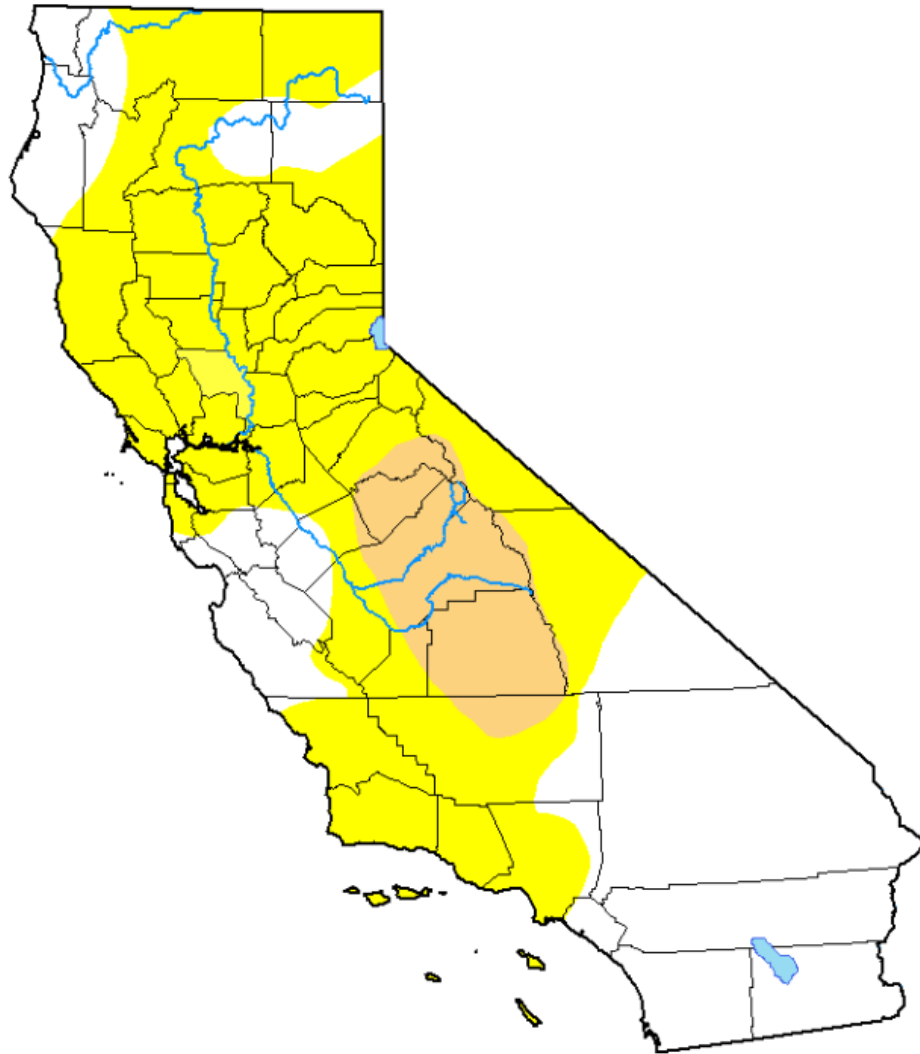
Where our water comes from



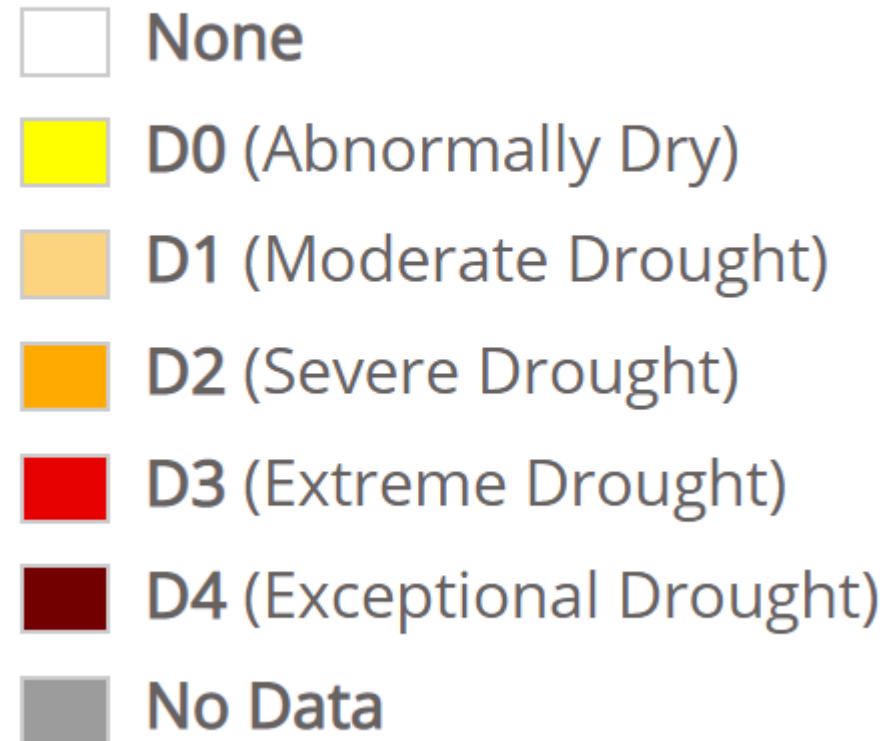
Long Beach water sources



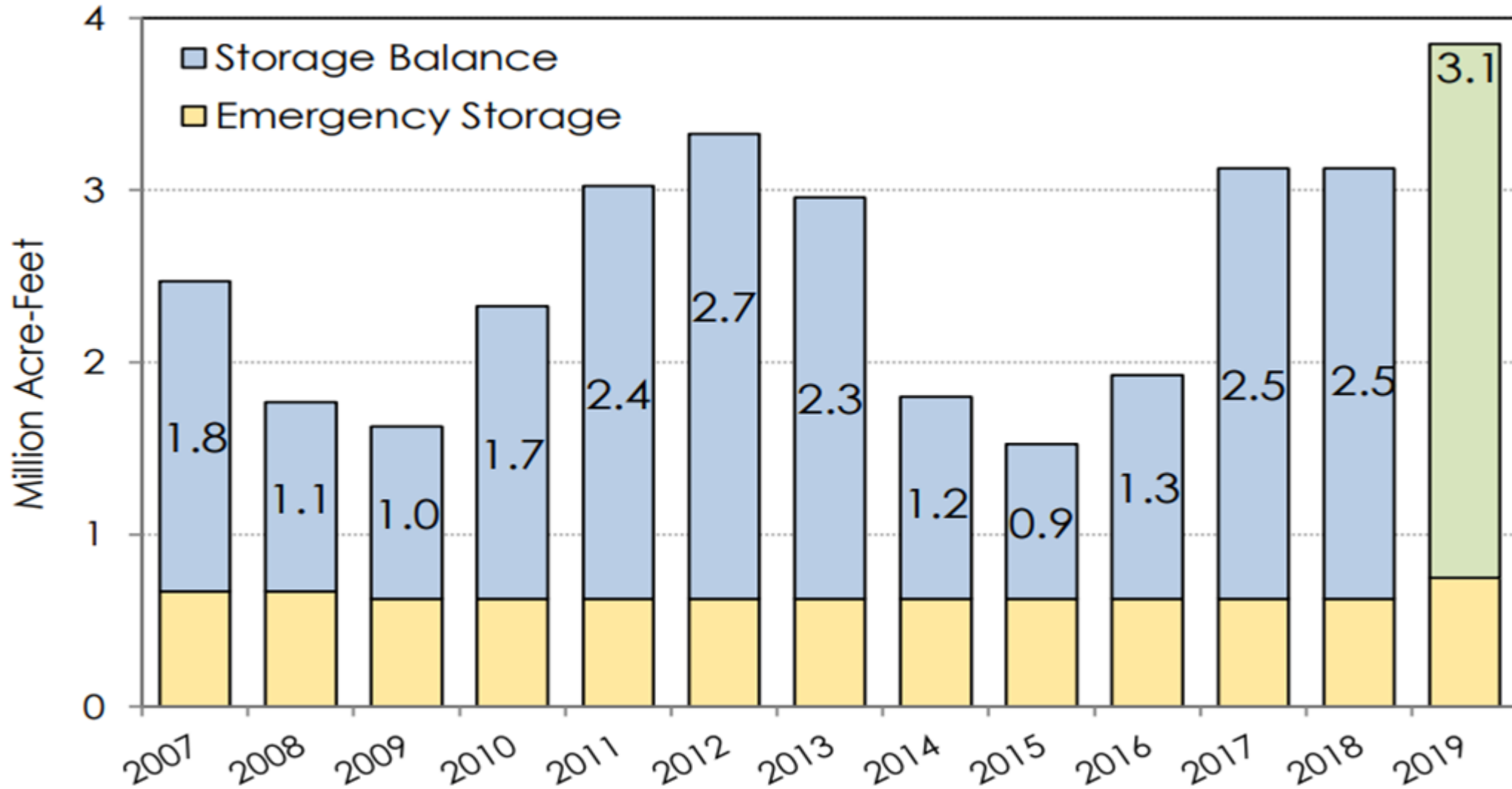
Current drought conditions



Intensity:

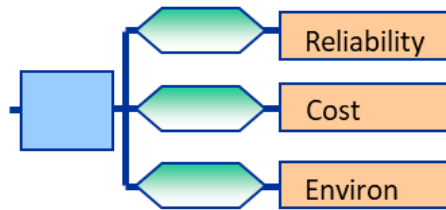


Current water storage conditions

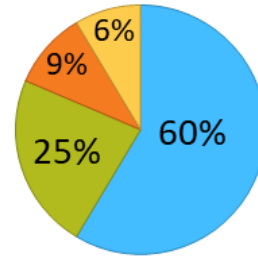


Water Resources Plan completed in 2019

Define Criteria & Metrics

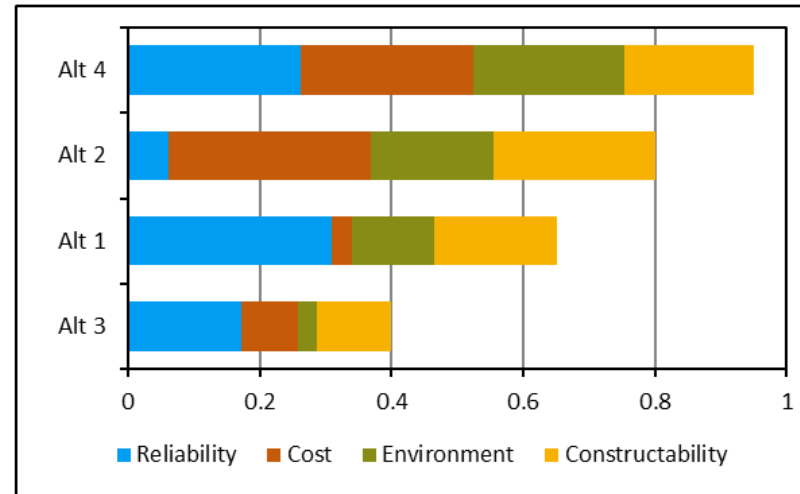


Apply Weights to Criteria



Create Performance Score Card for All Alternatives

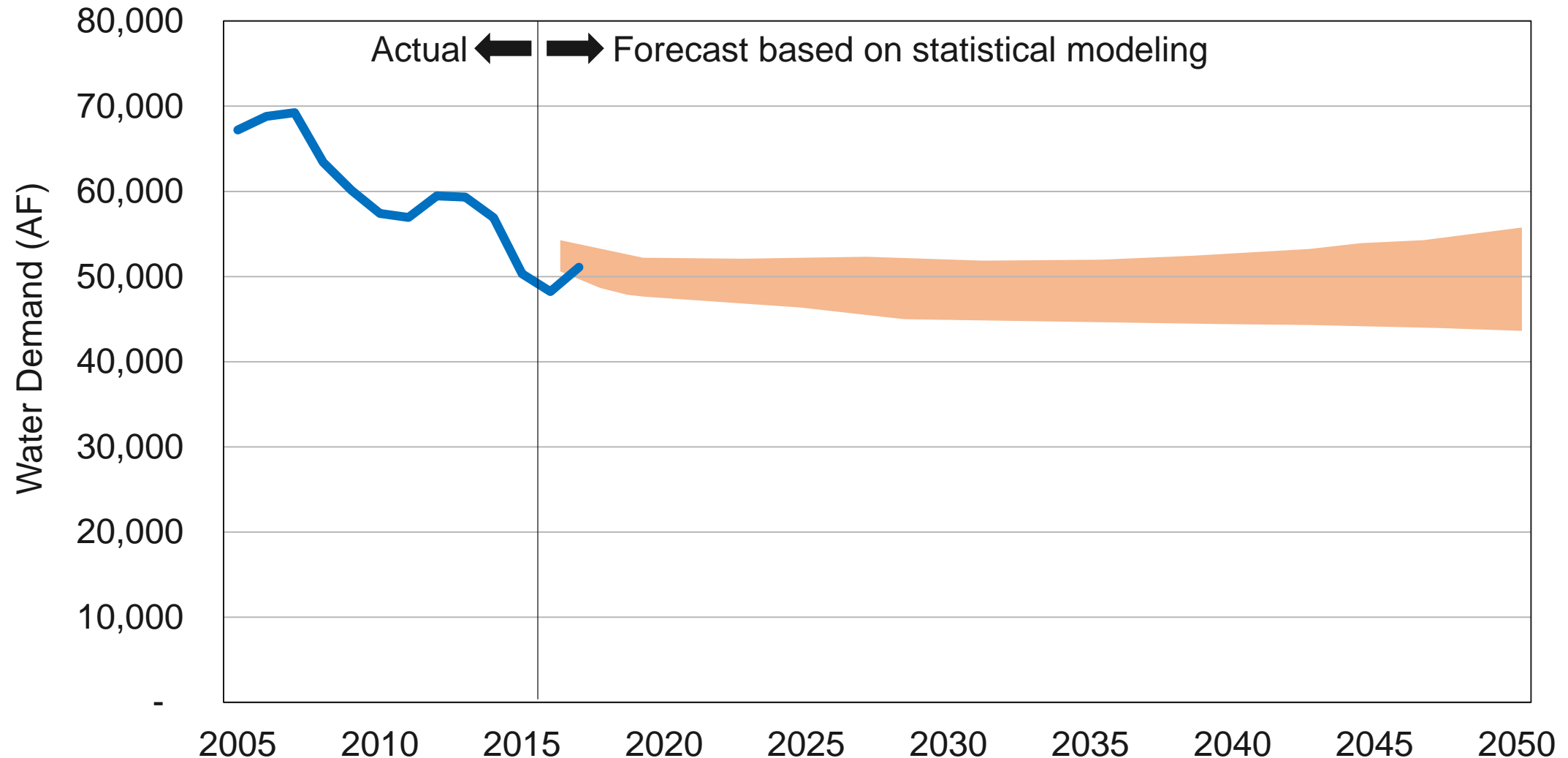
Alternative	Capital Cost (millions)	Total Lifecycle Unit Cost (\$/AF)	Salinity (mg/liter)	Reliability	Proven Technology	Integration	Constructability	Permitting	Storm/Erosion Impact
Shamel Park Seawater Desal	\$ 14.47	\$ 4,861	100	5.0	3.0	3.0	3.5	2.0	4.0
Morro Bay Shared Seawater Desal	\$ 26.61	\$ 7,934	100	5.0	4.0	2.3	3.0	2.6	3.0
Estero Bay Seawater Desal	\$ 31.44	\$ 9,118	100	5.0	3.0	2.3	3.0	2.3	3.0
San Simeon Creek Rd Brackish Desal	\$ 12.87	\$ 4,337	100	4.0	4.0	4.3	5.0	3.8	4.0
Whale Rock Reservoir w/o L. Nacimiento	\$ 21.74	\$ 6,048	350	4.0	5.0	2.7	4.0	3.9	4.0
Whale Rock Reservoir w/ L. Nacimiento	\$ 28.94	\$ 8,352	350	4.5	5.0	2.7	4.0	4.8	4.0
San Simeon Creek Offstream Storage	\$ 65.27	\$ 16,560	350	3.0	5.0	3.0	2.0	3.8	2.0
Hardrock Aquifer Storage Recovery	\$ 57.67	\$ 15,624	350	3.0	2.0	2.7	2.0	4.3	4.0
San Simeon CSD Recycled Water	\$ 11.21	\$ 9,795	700	1.0	5.0	2.7	5.0	4.1	4.0



Use Decision Software to Rank Alternatives

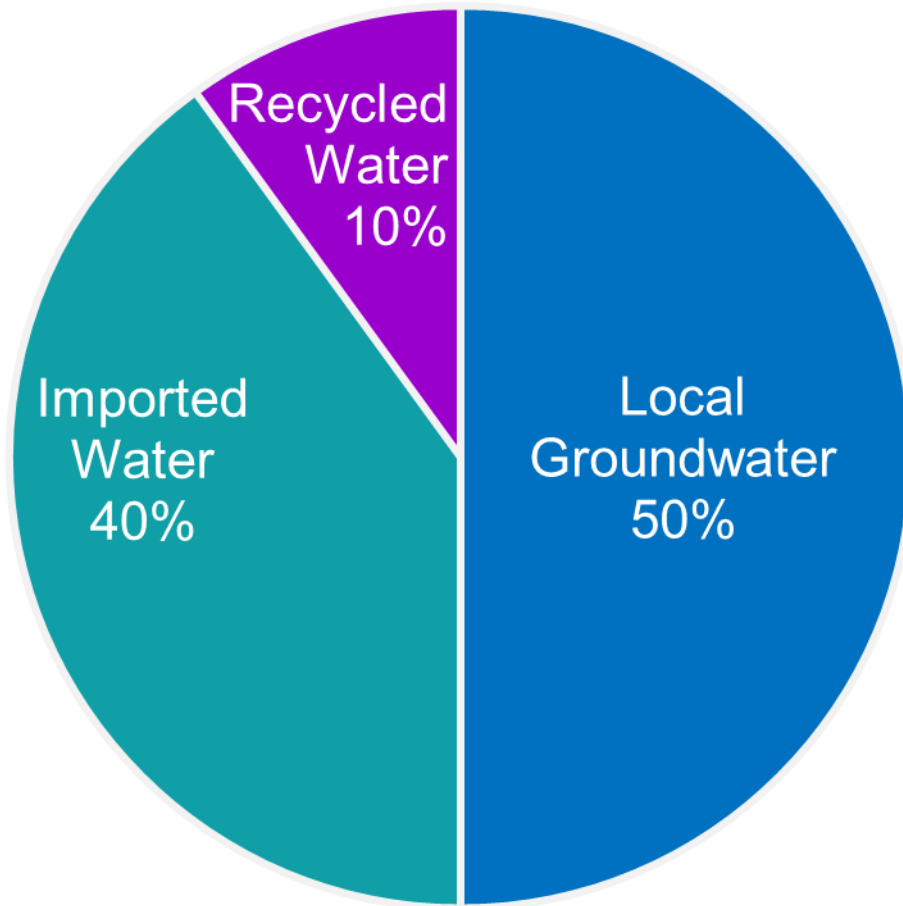


Future water demand projection is flat

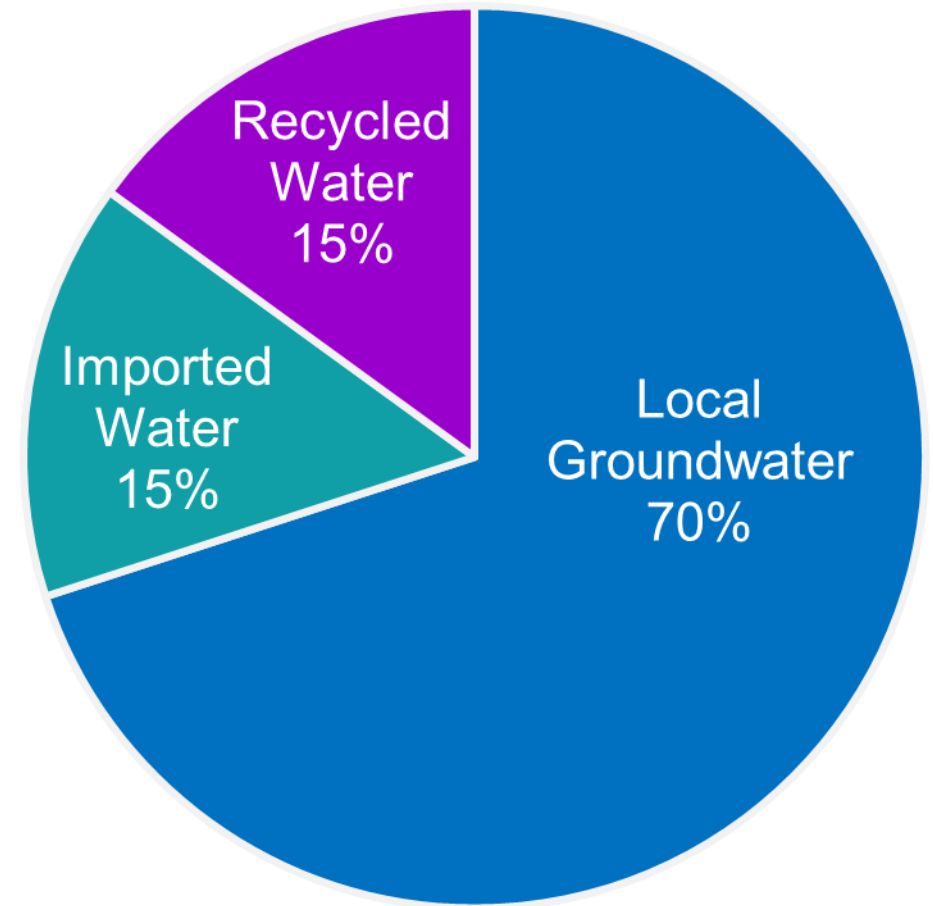


Increase local water supplies

Current water supply mix



Future water supply mix



Promoting efficient water use



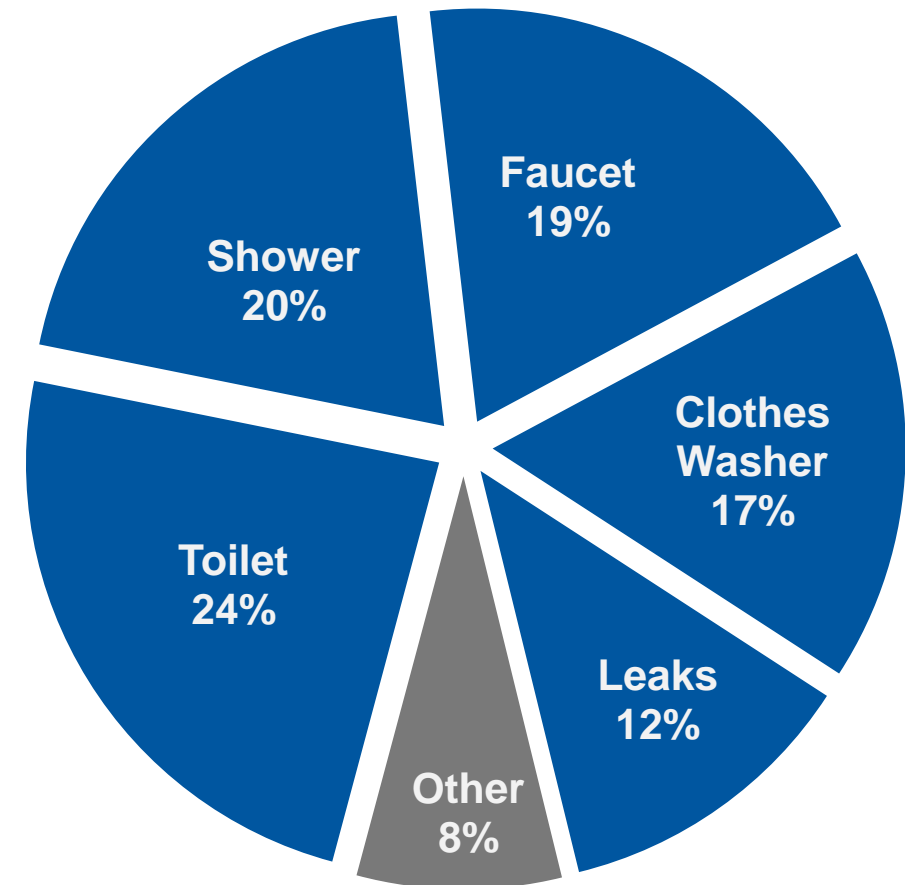
DIG



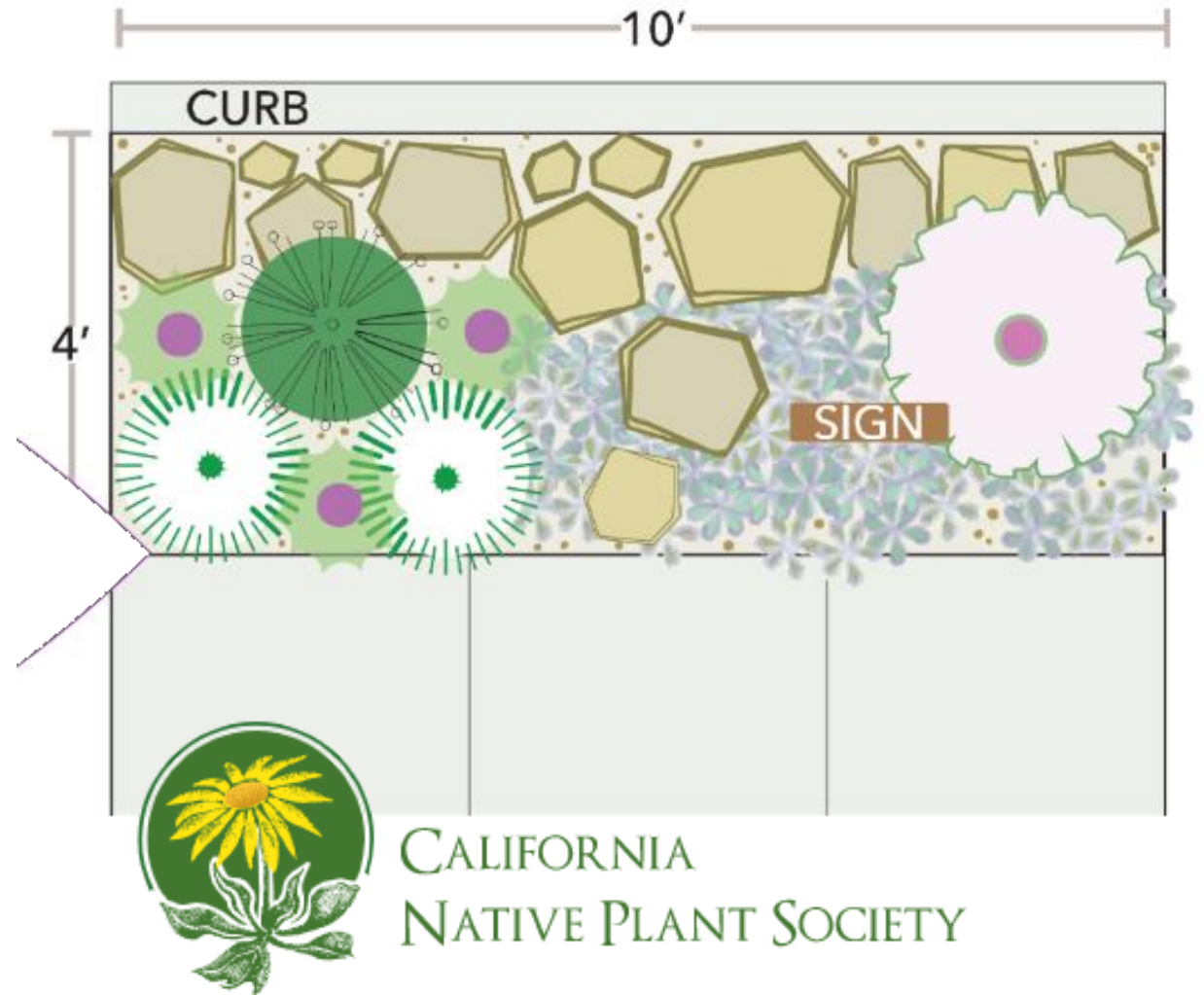
DIME



DIME addresses 92% of indoor water use



Native Plant Parkway Program



Certified Blue Restaurants & Hotels

Certified Blue
Restaurant Crawl
SATURDAY
FEBRUARY 29
2020

Join us on a **BIG RED BUS** taste tour of Long Beach restaurants that have committed to water efficiency and foam free operations!



BOOK YOUR **RESERVATION FOR CONSERVATION**

How to Save Water, Energy + More for Your Hotel/Motel

Join us for a FREE workshop!

Tuesday, March 3

8:30 a.m. - 11:30 a.m.

Breakfast and parking provided

Location

Hotel Maya (700 Queensway Dr)

