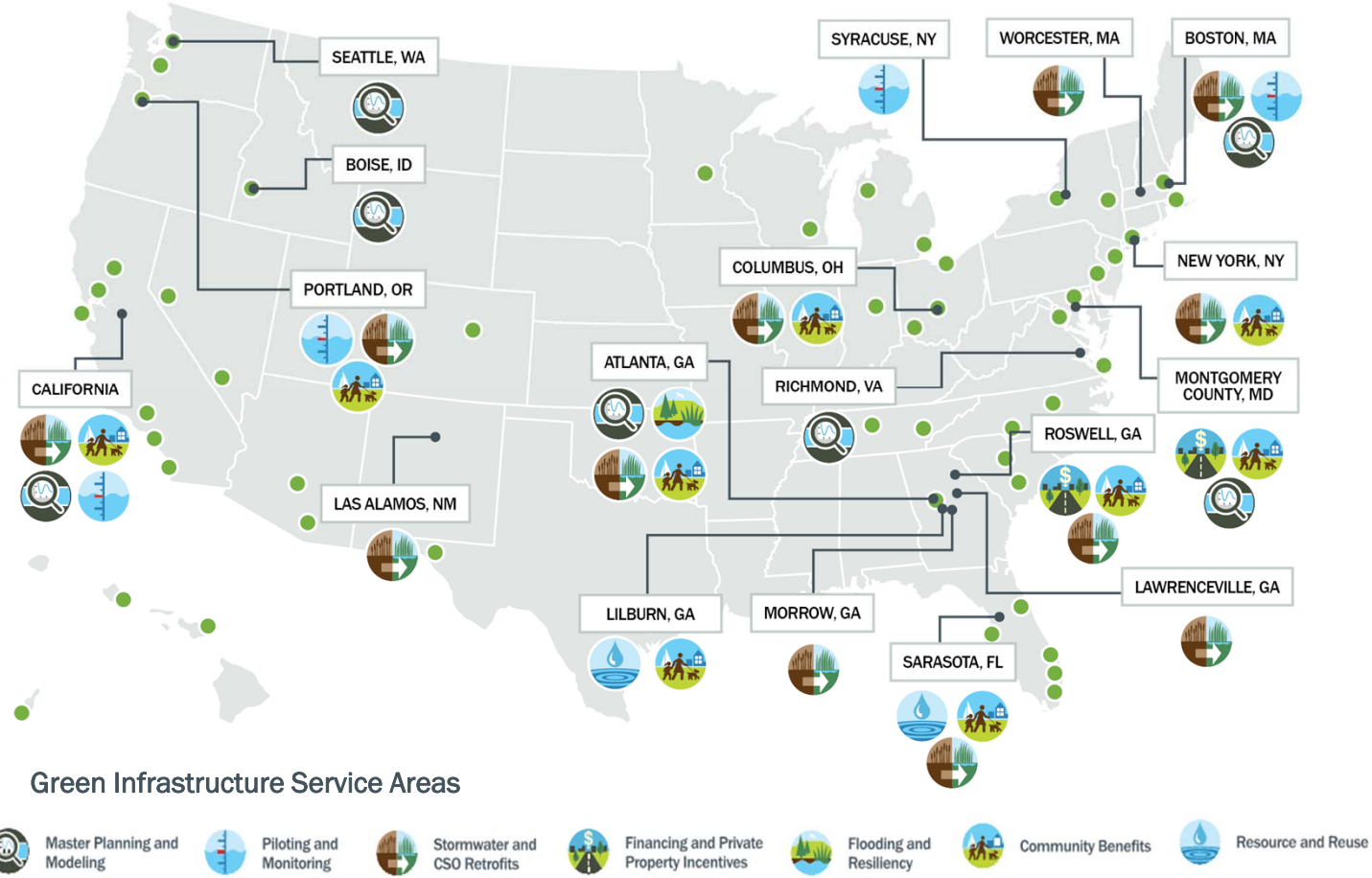


Potential Water Sources in California's Future—What fits for the Bayland?

February 2017



BC's Green Infrastructure Experience



Recycled Water in the Southeast: LEED-Certified Implementation

Recycled Water for Irrigation



Cooling with Recycled Water



Woodlands (CA) Effluent Recycling

- Industrial – Woodland Biomass (power generation cooling)
- Landscape Irrigation (parks now, future ag)



Challenge—Baylands is a Microcosm for Water Efficiency

- Growing population needs water and is competing for limited resources

Possible Solutions

- Find new or transfer existing potable water
- Make “new” water

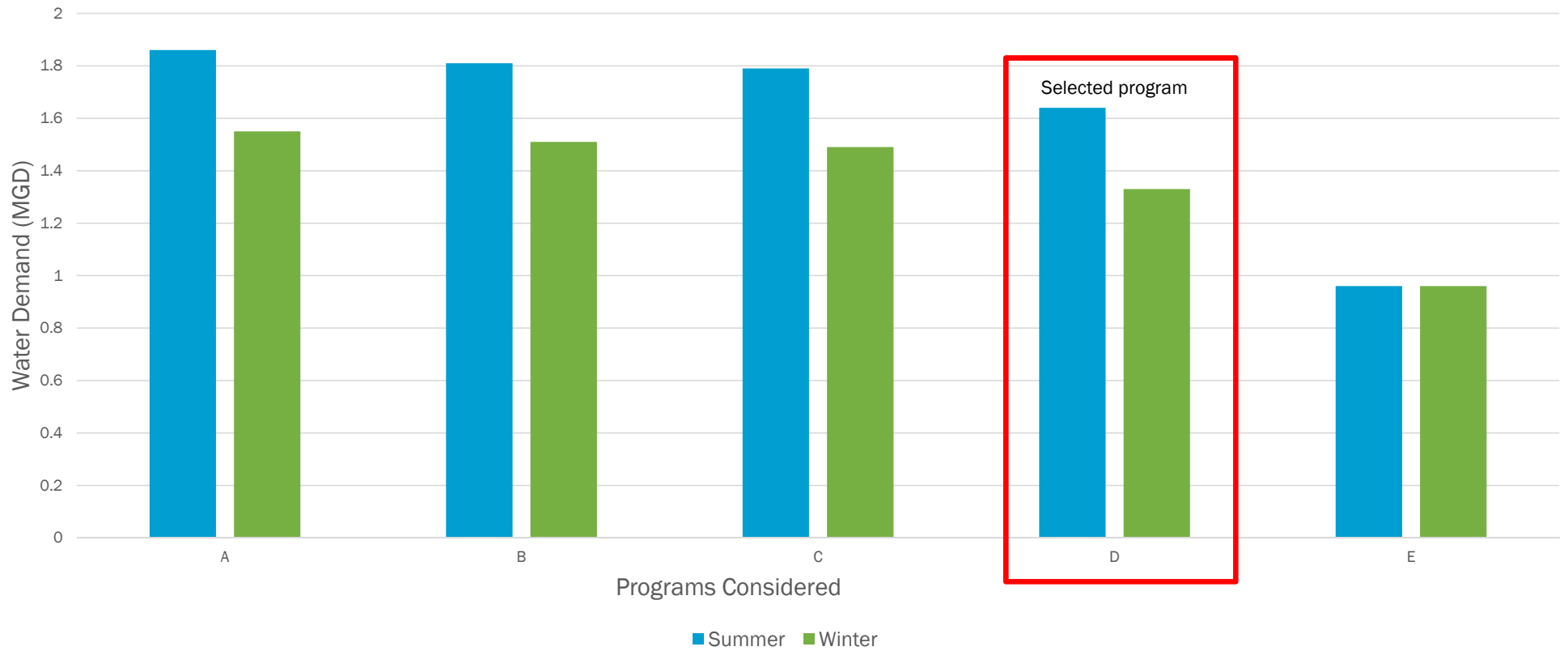


Best Use of Existing Potable Water

- Retrofit existing facilities for best efficiency
- Install all new equipment with maximum efficiency
- Monitor systems to address leaks proactively– eliminate waste
- Transfer unused water rights



Projected Baylands Water Demand Programs with Cooling



Opportunities for Brisbane and the Baylands

Rain water harvesting



Fog harvesting



Groundwater development



Desalting brackish groundwater



Desalting Bay water



Recycling wastewater (maximize)

- Landscape irrigation- existing parks and playing field and new parks and landscapes
- Cooling water and toilets
- Wetlands restoration

Transferring water rights

Eco-Friendly, Low Impact Recycling for the Baylands

Proposed Treatment Site



Conceptual Plan



Brisbane OID water transfer agreement uses existing facilities—no new diversions from natural streams and no new facilities construction.

