

# Stormwater Harvesting and Water Recycling Study

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Port of Long Beach

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- Founded in 1911
- City of Long Beach- Harbor Dept
- 6 Container Terminals
- 7,600 Acres ○ 3,000 Acres of Land 04,600 Acres of Water
- State Tidelands Trust
- Non-Taxpayer Supported
  Governed by a 5-Member Board of Harbor Commissioners

# **Port of Long Beach**



### **\$194** BILLION IN TRADE

**2.6 MILLION** 

NATIONAL

JOBS

### 8.1 2NDMILLION **TEUs in 2018** BUSIEST U.S. PORT FACTS AT 576,000 A GLANCE REGIONAL JOBS

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AWT Recycled Water Title 22 Recycled Water

Recycled Water and Stormwater Harvesting Study

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Stormwater Harvesting









Exercises "Economic Technology in the Economic System Constrained in the Economic System Constrained in the Constrained Constrained

### Why Stormwater Harvesting?

- Stormwater loads pollutants into the harbor
- Harvesting stormwater eliminates that pollutant load
- Facilitates compliance and reduces cost
- Reduces potable water demand
- Reduces GHG impacts of importing water

## **Delineation of Drainage Basins**





### Drainage Basin Screening Criteria

- Applying ranking score and weight to criteria to determine top 25 drainage basins for stormwater harvesting
- Sample criteria:
  - Site size
  - Stormwater harvesting capacity
  - Site constraint near downstream collection point
  - Water demand need
  - Distance to water demand location(s) from collection point
  - Ease of constructability
  - Stakeholder (tenant) support









### **THANK YOU**

