OPERATIONAL READINESS FOR STORMWATER CAPTURE

County of Los Angeles Department Of Public Works

Eric Batman P.E.
Stormwater Capture

1. Dams/Reservoirs
2. Spreading Grounds
3. Natural Bottom Channels
4. Rubber Dams
Summary of 2016-17 Water Year Rainfall and Stormwater Capture

- **Total Rainfall @ LA Ducommun St.**
  - 2010-11: 22.90 inches
  - 2011-12: 9.38 inches
  - 2012-13: 7.01 inches
  - 2013-14: 5.39 inches
  - 2014-15: 10.77 inches
  - 2015-16: 8.20 inches
  - 2016-17: 19.89 inches

- **Historical Annual Average =** [VALUE]

- **Total Stormwater Captured**
  - 2010-11: 431,000 acre-feet
  - 2011-12: 121,000 acre-feet
  - 2012-13: 52,000 acre-feet
  - 2013-14: 38,000 acre-feet
  - 2014-15: 60,000 acre-feet
  - 2015-16: 79,000 acre-feet
  - 2016-17: 208,000 acre-feet

- **Historical Annual Average =** [VALUE]
Pre-Storm Coordination Activities

• **National Weather Service**: winter hydrology coordination meeting

• **United States Army Corps of Engineers**: storm coordination meeting

• **California Department of Water Resources**: flood coordination meeting
ENSO neutral currently, but odds favor a weak La Nina this winter.
Rainfall by ENSO-Type

Los Angeles (CQT)

Downtown Los Angeles Wet Season Rainfall, by ENSO-Type

Legend
- Strong La Nina
- Weak to Moderate La Nina
- Neutral
- Weak to Moderate El Nino
- Strong El Nino
- Average

La Niña | Neutral | El Niño
HANSEN DAM

WHITTIER NARROWS DAM

SANTA FE DAM

LOPEZ DAM

SEPULVEDA DAM
LACFCD Dams
Spreading Grounds
Storm Operations

• Monitor forecasts from National Weather Service and weather forecasting consultant

• Monitor radar on computer and phone apps
Storm Operations

- Monitor real-time rainfall, stream flow, and reservoir levels
- Coordinate activities with Army Corps facilities
Storm Operations

- Activate Department Operations Center as necessary
Questions?