



# Water System Operations Manager's Report

Engineering and Operations Committee

Item 7a

October 10, 2011

# Current Operations

- Blends are 25 percent State Project Water at Weymouth and Diemer, and 70 percent at Skinner
- September 2011 demands of 197 TAF were about 27 TAF higher than September 2010
- Completed 225 TAF of replenishment deliveries on September 30<sup>th</sup>
- CRA is currently operating at 1 pump
- CRA shutdown scheduled for October 18 – November 17

# Colorado River Aqueduct – Oct. 18 - Nov. 17



# Taste and Odor Update

- Algae in East Branch of State Water Project system produced elevated levels of the taste and odor compound 2-methyl-isoborneol (MIB)
- MIB affected raw and treated water and caused consumer complaints
  - Raw water deliveries from Lake Silverwood
  - Treated water from Weymouth and Diemer water treatment plants
- DWR treating weekly with copper sulfate

# Locations of Copper Sulfate Treatment along East Branch of State Water Project



# Typical Aqueduct Segment (I-15)

## Algae growing along 30 miles of canal



# Actions Taken to Address T&O Issues

- Sept. 30: Reduced SPW blends from 50% to about 25% at Weymouth and Diemer
  - MIB significantly reduced by Oct. 4
  - Flavor Profile Analysis showed plant effluent samples were acceptable with a slight earthy taste
- Current blends at Weymouth and Diemer will remain unchanged until MIB levels in Silverwood Lake return to acceptable levels
- Jensen, Mills, and Skinner have ozone and hydrogen peroxide to remove T&O compounds

