



# Water System Operations Manager's Report

Engineering and Operations Committee

Item 7a

April 9, 2018

# Current Operational Conditions

- 2018 SWP Allocation is currently 20%
  - Potential for increase in allocation due to wet March conditions
- SPW blend targets are 0% at Weymouth, Diemer, and Skinner plants
- CRA at a 5-pump flow
- Managing storage based on WSDM principles
- March 2018 deliveries of 83 TAF were 10 TAF higher than March 2017

# Wadsworth Pumping Plant Control and Electrical System Upgrades

- April 2017 - Board authorized control and electrical system upgrades for pump/turbine units at Wadsworth PP
- Project improves system reliability and operation of pumping and power generation when managing flow into and out of DVL



*Wadsworth PP at Diamond Valley Lake*

# Hydropower Generation at Wadsworth Pumping Plant

- Hydropower generation capability scheduled to be unavailable from July 2018 through February 2019 during construction of control and electrical system upgrades
- No impact to system operations
- Limited impact to power generation based on 2018 supply and demand conditions



*Wadsworth PP Pump and Turbine  
Control System Equipment*



# Diamond Valley Lake

## Storage Levels



Currently 89% of 810 TAF Maximum Storage

# Cyanotoxins Applied Research Project

- Cyanobacterial blooms can produce cyanotoxins
- Water Research Foundation Project on Cyanotoxin Methods (May 2018 - May 2020)
  - Metropolitan selected as Principal Investigator and awarded \$195,972
  - Scope of Work
    - Refine and standardize analytical methods
    - Evaluate and optimize sample collection protocols
  - Collaboration with Southern Nevada Water Authority and Eurofins Eaton Analytical Lab

