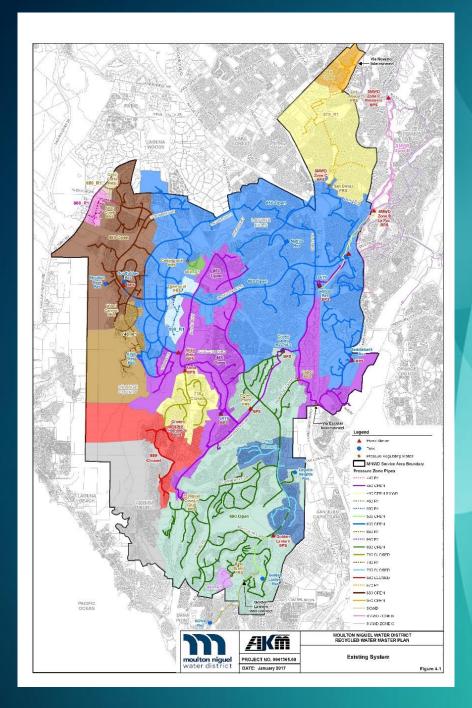
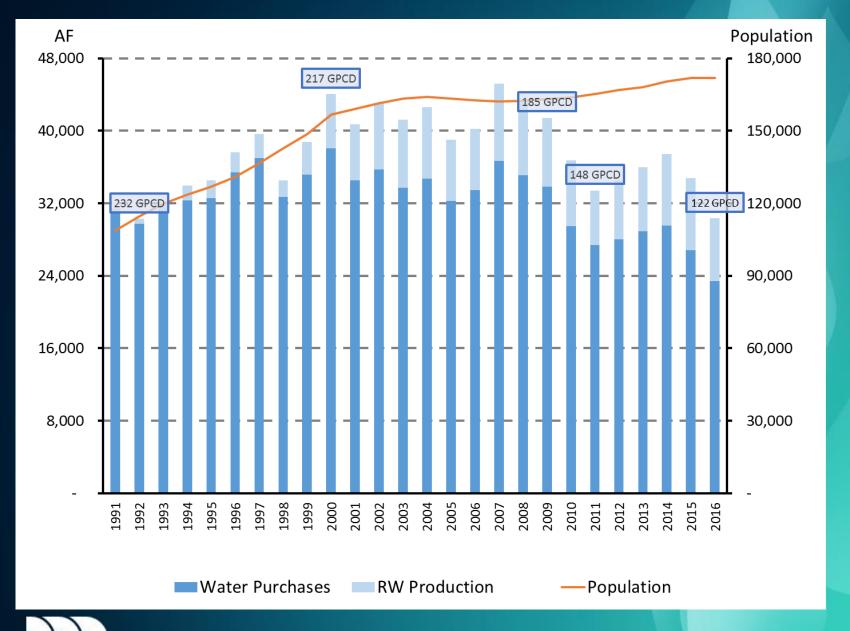


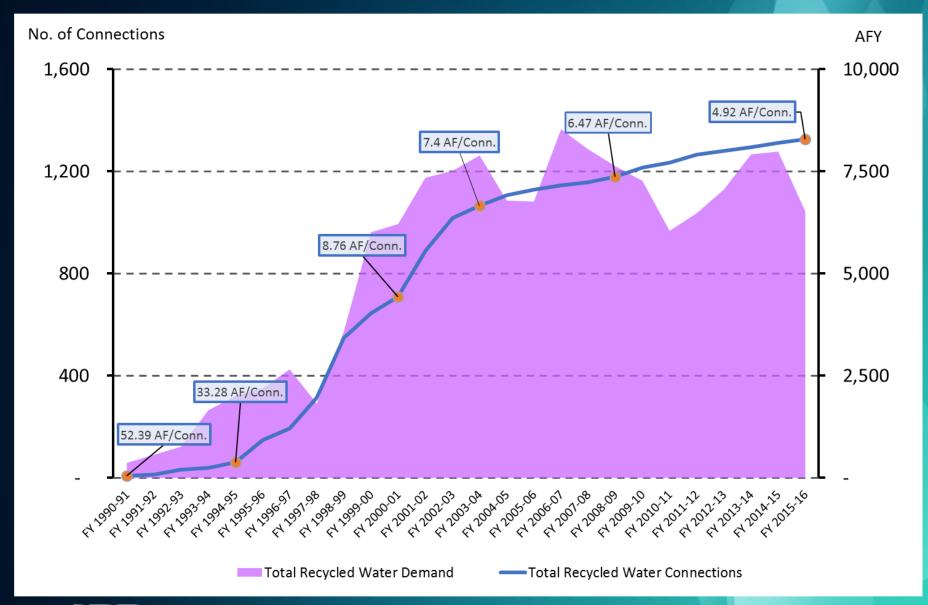
### Recycled Water Master Plan Update

March 13, 2017









### Recycled Water Master Plan

- Purpose and Scope
  - Awarded to AKM in August 2015
  - Identify existing infrastructure needs
  - Identify opportunities for expansion and associated needs and costs
  - Identify regional opportunities to provide recycled water services
  - Develop a Capital Improvement Program
  - Support new Local Resources Program application with MET



#### **Initial Conclusions**

- ~1,700 acre-feet per year in additional demand feasible
- Up to \$30M in improvements to existing facilities
  over 15 years to meet existing demands
- Up to an additional \$125M to expand recycled water system

#### **Cost Components**

- Recycled Water Conversions
- MNWD Facility Improvements
- Infrastructure to Capture Additional Wastewater
- Shared Facility Improvements
  - Pipeline Upsizing
  - Booster Station Upgrades
- Seasonal Storage Capacity Acquisition



#### **Next Steps**

- Finalize Report
- Analyze and Refine Cost Estimates
- Analyze Supply & Demand Scenarios
- Assess Feasibility and Potential Phasing
- Assess Interagency Impacts
- Evaluate Other Reliability Opportunities



### Traffic Control Safety Plan

March 13, 2017



Moulton Parkway / Aliso Niguel

## WORK LIMITS AND OVERALL SITE MAP





BEGINNING OF WORK AREA SIGNAGE — MOULTON PARKWAY / AVILA ROAD





APPROACHING THE JOB SITE....

ADDITIONAL SIGNAGE

## WORK ZONE – TRUCKS & BACKHOE





- WORKERS
- MATERIALS



#### PARKING SAFELY NEAR A WORK ZONE





# PARKING IN BUFFER ZONE

### PARKING IN TERMINATION ZONE





### BE CAREFUL, YOU ARE IN A CONSTRUCTION ZONE,

EQUIPMENT AND VEHICLES ARE CONSTANTLY MOVING.

BE SURE TO SIGNAL MOULTON PERSONNEL BEFORE ENTERING WORK ZONE.





Q & A

- DISCUSSION
- CONCERNS
- PLANNING