Item No. 1



Economic Analysis of Proposed State Water Use Efficiency Standards



Charles Busslinger, Director of Engineering Joe Berg, Director Water Use Efficiency Municipal Water District of Orange County Presentation Date May 3, 2022

Genesis of Project

Board request to study economic impacts of proposed State WUE standards to Orange County

- Impact to demands as part of Reliability Study Update, and
- Economic impacts to water service providers and residents

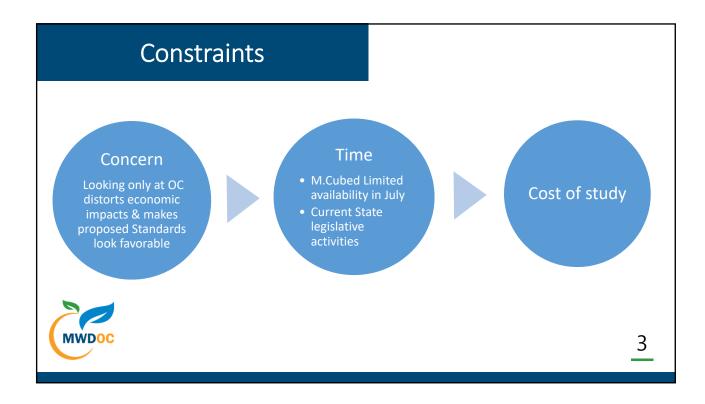
Feb. 18, 2022, SMWD Strategic Planning Workshop

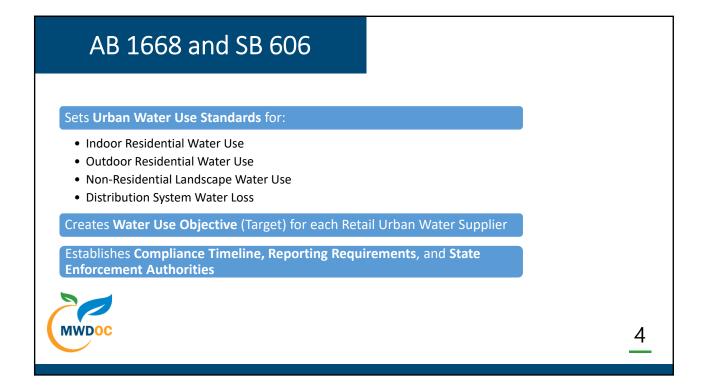
- SMWD Board expressed similar interest & approved \$25,000 toward study
- Cited study by M.Cubed on 2015 Governor's EO as an example
- Urged MWDOC to participate

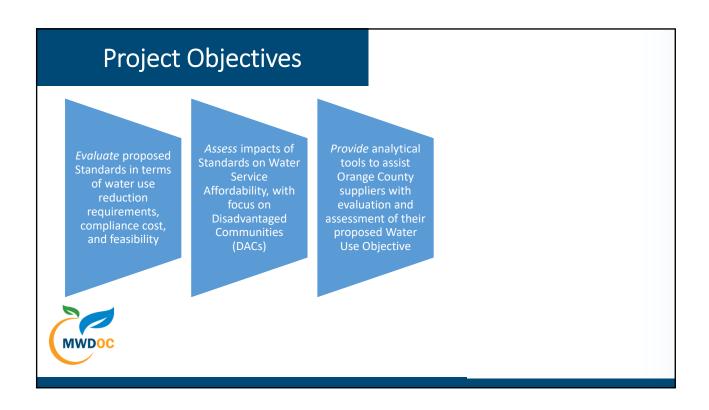


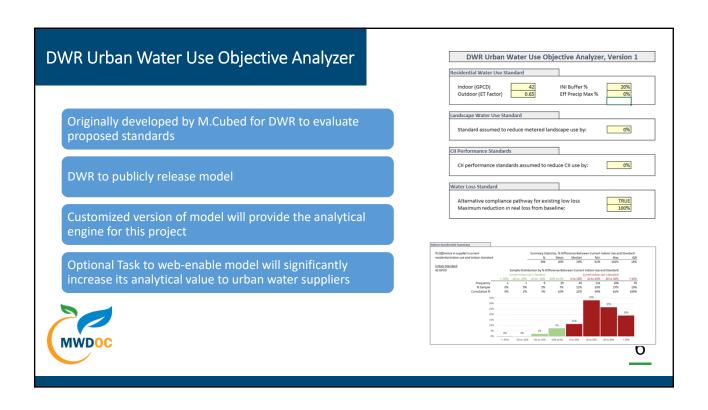
Through MWDOC On-Call Technical Services slate brought in: Water Systems Consulting & Sub-consultant M. Cubed (David Mitchell)

2









Scope of Work

Task 1: Urban Water Use Objective Analysis

- Develop/Customize Analytical Tools
- Estimate Water Use Reduction Requirements
- Estimate Compliance Costs

Task 2: DAC Impact Assessment

- Assess
 - Required Reduction vs DAC Prevalence
 - Compliance Cost vs DAC Prevalence
 - Impact on Orange County Water Service



Scope of Work

Task 3: Summary Report & Documentation

- Summarize project findings
- Document data and methods
- Provide guidance documentation for analytical tools

Optional Task: Prototype Web Interface

- Allow suppliers to review/update their service area data used to analyze impacts
- Provide suppliers with web-accessible summary of expected impacts in terms of a) required water use reduction, b) ranking of impact relative to other suppliers, c) net compliance cost



Schedule

2-3 months to completion

Final schedule contingent on Notice to Proceed date







Thank you for your attention.

Please **let us know** if you have questions.