

# What is the IRP Needs Assessment?

- Phase I of the 2020 Integrated Water Resource Plan (IRP)
- Initiated in 2020 and adopted by the Board in April 2022
- Developed in collaboration with member agencies utilizing area experts in climate change and water demand and public stakeholder involvement
- Guided by the Integrated Resources Plan Special Committee of the Board
- Supported by a comprehensive scenario planning approach

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### The 2020 IRP Scenario Planning Process

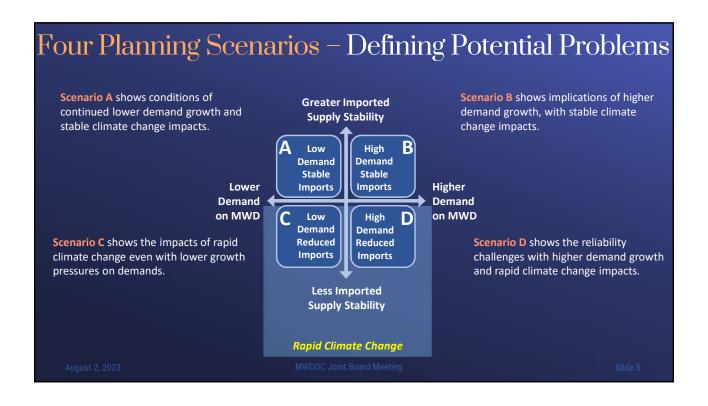
Why Did We Choose a Scenario Planning Approach?

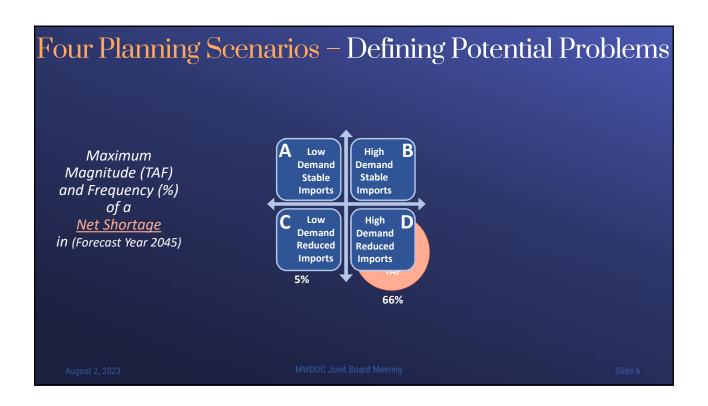
- Recognition that we can not predict the future
- A method for analyzing outcomes of plausible futures and expanding beyond hydrologic variability to reveal different challenges to reliability
- Scenarios broaden our view of the impacts of uncertain conditions, allowing us to identify and develop a flexible long-term plan
- A framework to assess policy options and water resource development under future conditions and identify tradeoffs

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## The 2020 IRP Needs Assessment Findings

Preparing for a Rapidly Changing Climate (Scenarios C and D)

#### 100-600 TAF of New Core Supply Development

- This range of core supply development basically increases reliability and manages those uncertainties
- The upper end of this core supply development eliminates the frequency and magnitude of shortages in Scenario D, which is under conditions of strong demographic and economic growth and rapid climate change (and in a future of increasing regulatory constraints on water supply)
- New storage development can reduce the core supply development requirement needed to maintain reliability

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#### CAMP4W Key Planning Questions – Next Steps What's the How do you How do you Problem? Pay for it? What does it solve it? cost? Needs Analyze the rate Assessment -**Identify Options/** impacts under Analyze the cost Portfolios that Identify the of the Options/ different can fill the range of **Portfolios** business models development "Gaps" "Gaps"

