



### The IRP "As a Plan"

- Guideline for investments
  - Does not pre-determine future decisions
- Reference point for
  - Assessing progress
  - Understanding changing needs
  - Determining how to cost-effectively address needs
- Common basis for evaluating a portfolio





## IRP Targets vs. Program Implementation

Reliability gap is made up of diverse portfolio of actions





### IRP Targets vs. Program Implementation

Adaptive management example

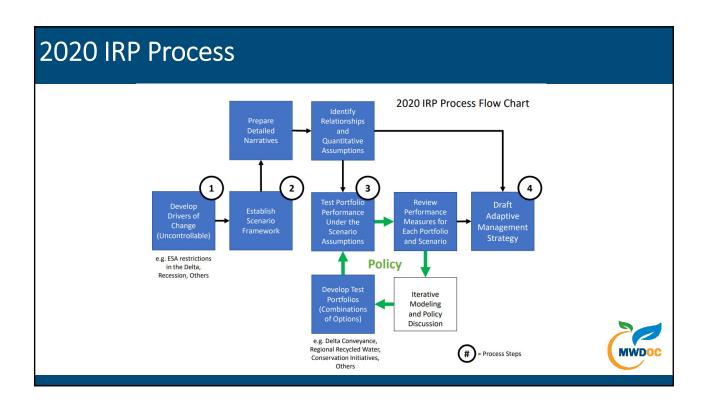


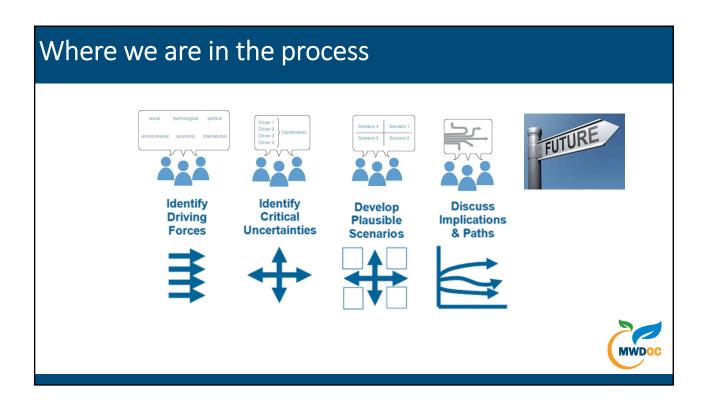


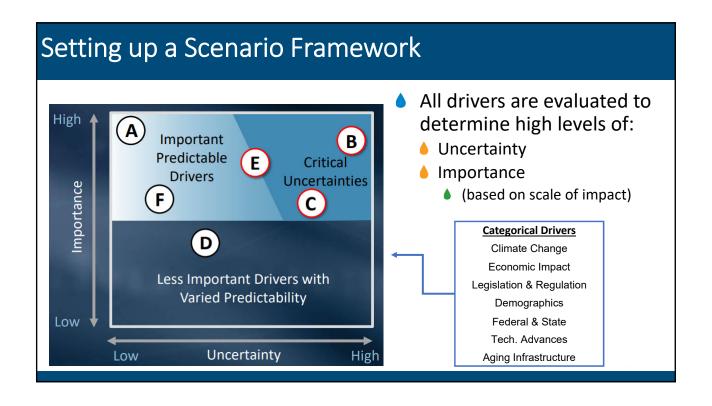
### The IRP Looking Forward

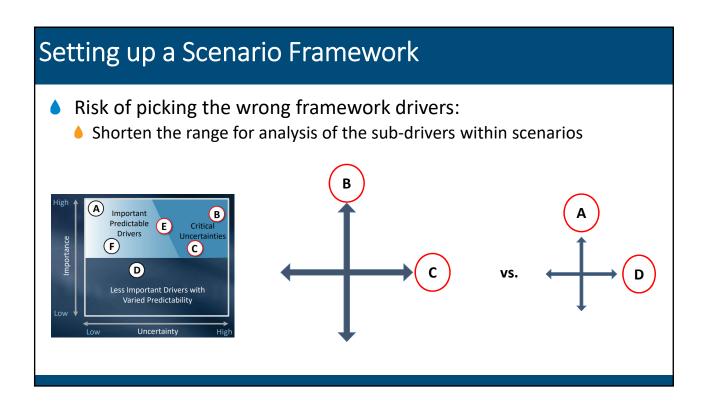
- Metropolitan and Member Agencies face decisions on a future water portfolio
  - ◆ Takes a long-range view of future needs
  - Informs Board decision-making under uncertainty
- 2020 IRP will evaluate current options and actions under different future scenarios
  - Identify "signposts" that signal certain actions



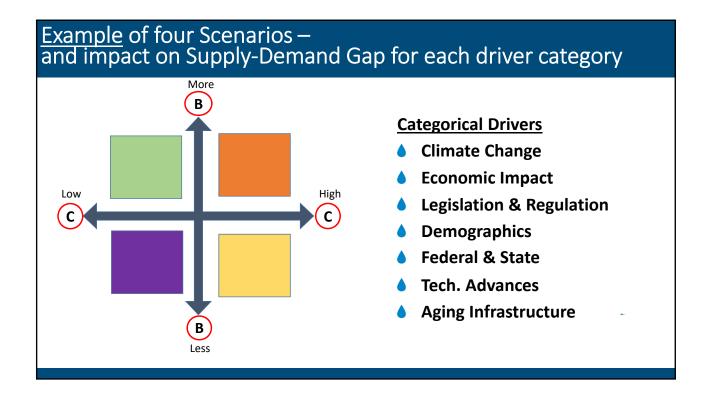




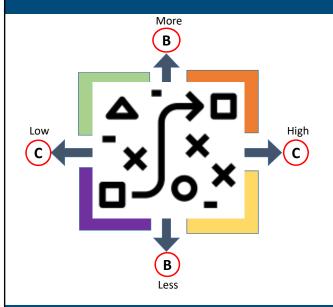




### **Establishing four Scenarios** Framework drivers are: В Generally independent of each other Have a big impact as well as interaction with other sub-drivers High Low C **c**) All the other drivers are now sub-drivers analyzed within the context of the framework There should be internal consistency of sub-drivers within each of the scenarios



### How does adaptive management fit in?



#### **Categorical Drivers**

- Climate Change
- Economic Impact
- Legislation & Regulation
- Demographics
- Federal & State
- Tech, Advances
- Aging Infrastructure

### How does adaptive management fit in?



















Develop



**Implications** 

So that we can adapt as needed, what signposts or output do we need from each scenario's analysis?



# What's Next

- ♦ September Start Discussing Potential Scenarios
  - Qualitative and quantitative assessment of drivers ongoing
  - Collaboratively identify scenarios helpful for policy discussions
- October Refine Scenarios
  - Demand drivers
  - Climate change impacts

Scenario planning allows the Board to consider a wide range of challenges to future reliability.

