



# 2020 IRP: Update on Drivers of Change

Integrated Resources Plan

Item 3b

May 26, 2020

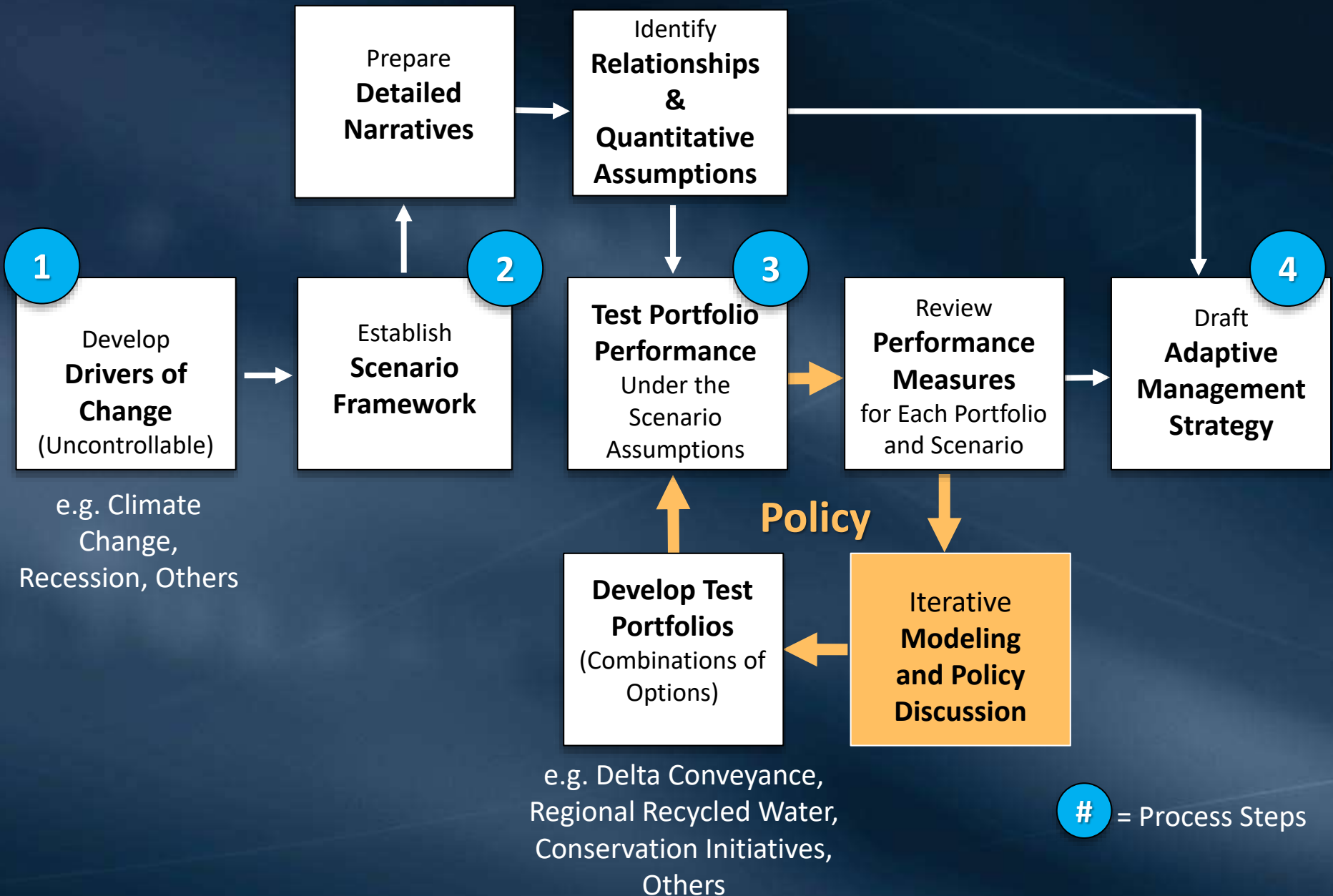
# Overview

- Progress on Drivers of Change development
- Brainstorm and feedback
- Next steps

# Activities to Date

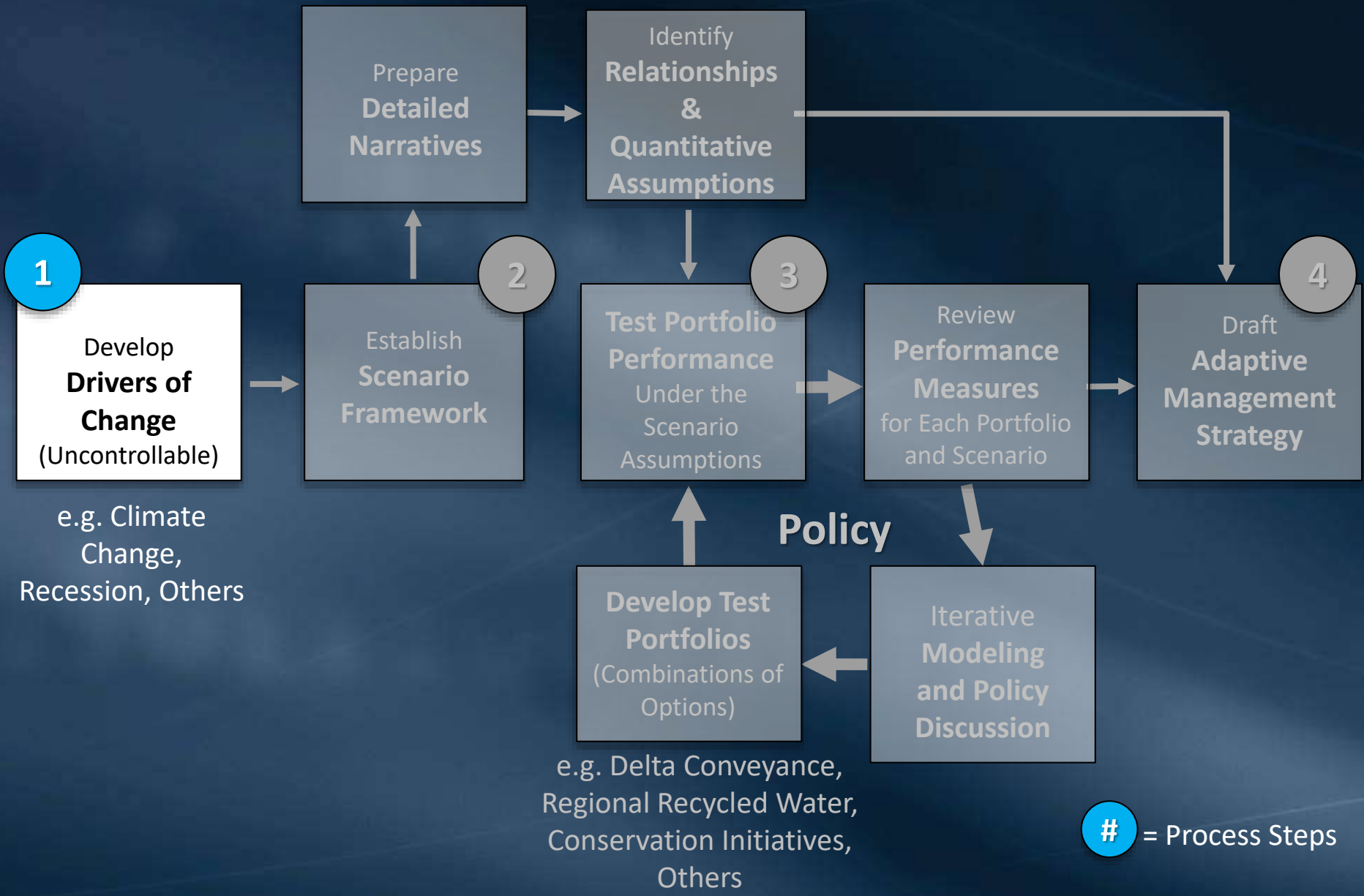
- May 13 Member Agency Technical Workgroup
  - Process Flowchart
  - Drivers of change brainstorm
- May 15 Member Agency Managers Meeting
  - Drivers of change brainstorm
  - Feedback on survey approach
- May 20 and May 22 – Stakeholder Workshop
  - Background and Planning approach
  - Drivers of change brainstorm

# 2020 IRP Process Flow Chart



# = Process Steps

# 2020 IRP Process Flow Chart



# Developing Drivers of Change



# Drivers of Change Criteria

*Answer must be “yes” to all*

- Is it impactful to
  - The balance of supply and demand?
  - Institutional stability and integrity?
- Is it largely outside of our control?

# Drivers of Change Categories

Climate Change

Economic Impacts

Legislative and Regulatory Uncertainties

Demographic Changes

Federal State and Regional Policies

Groundwater Impairment

Technological Advances

Aging Infrastructure



# Categories of Drivers of Change

- Climate Change

- Stresses on River Basin Ecosystems
- Rising Sea Level
- Hydrologic Variations and Extremes

- Economic Impacts

- Increasing Costs of Providing Water
- Uncertain Economic Conditions Post-Covid

# Categories of Drivers of Change

- Legislative and Regulatory Uncertainties
  - Emerging Regulatory Challenges
  - Legislative Initiatives
  - Public Trust Initiatives to Protect Environmental Resources
- Demographic Changes
  - Uncertainty Regarding Population Projections
  - Changing Housing Densities and Land Uses
  - Increasing Consumer Water Use Ethic

# Categories of Drivers of Change

- Federal, State and Regional Policy
  - Reduced Cooperation Between State and Federal Water Managers
  - Declining Cooperation Among Colorado River Agencies
  - Increasing Regional Collaboration
- Groundwater Impairment
  - Potential Groundwater Losses Due to Contamination Including PFAS

# Categories of Drivers of Change

- Technological Advances
  - Increasing Availability of Decentralized Treatment Technologies
  - Adoption of Innovative Stormwater Capture Measures
  - Acceptance of Direct Potable Reuse
- Aging Infrastructure
  - Increased Vulnerability to System Failures and Natural Disasters

# Brainstorming Activity



Seeking IRP Committee input, feedback,  
and additional drivers of change

# Drivers of Change Survey

- Seeks to identify IMPORTANCE of drivers of change TO YOUR AGENCY
- Uses 5-point scale of importance

## *SAMPLE*

Not at all important	Slightly important	Moderately important	Very important	Extremely important

Future groundwater production levels are unknown due to emerging contaminants, most notably PFAS today, resulting in increased demand on State Water Project supplies for replenishment/recharge.

# Near Term Next Steps

- Survey Member Agencies and stakeholders
- Coordinate with Member Agencies
  - Technical workgroup (June 10)
  - Member agency manager meeting (June 12)
- Move into scenario development

