



2020 IRP Scenario Planning and Outreach

Integrated Resources Plan

Item 3a

April 28, 2020

Overview

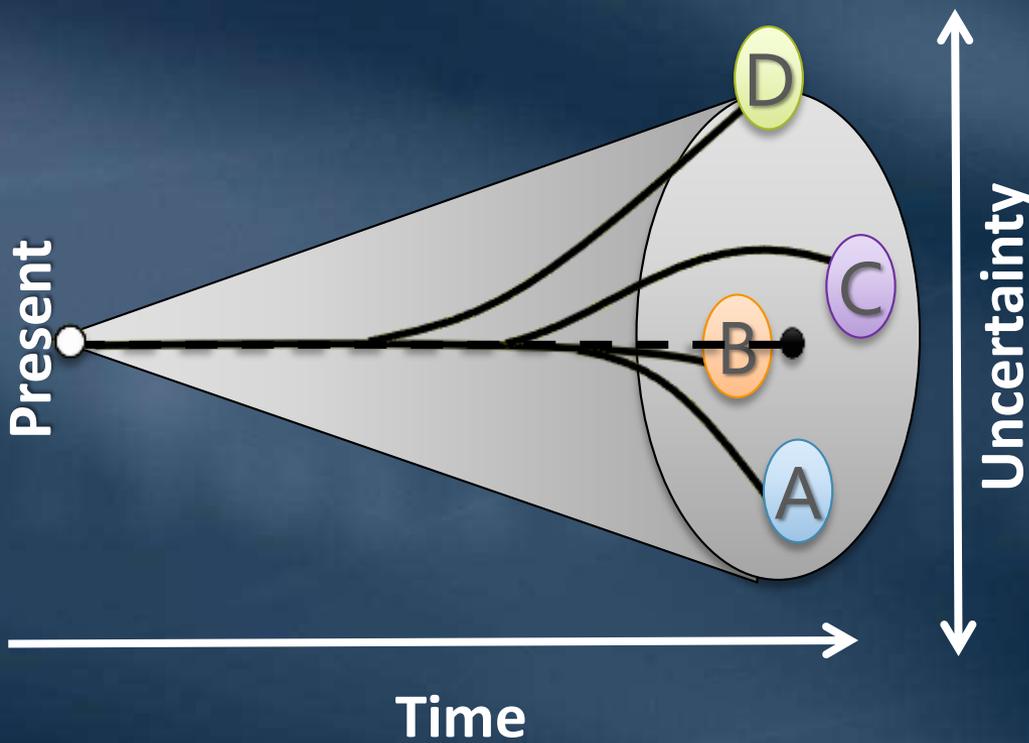
- Activities to date
- 2020 IRP Roadmap
 - **Whitepaper**
- Identify relevant policy questions
 - **Areas the 2020 IRP will address**

Activities to Date

- February 25 - IRP Committee Mtg. Kick-off
 - Introduced scenario planning approach
 - Identified major policy areas
- March 24 IRP Committee Cancelled
- March 13 and April 17 – MAM Meetings
 - Anticipated process and outcomes
 - Scenario planning roadmap
 - Stakeholder outreach approach
- April 28 – IRP Committee Mtg.
 - Whitepaper

Lessons from a 25-year Planning Cycle

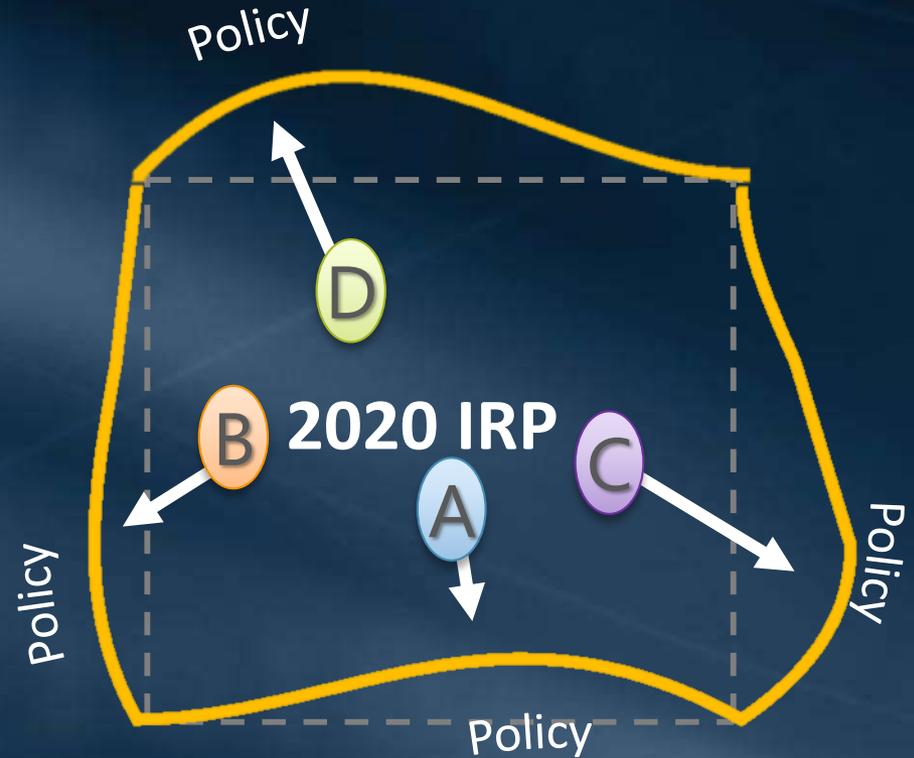
“The future ain’t what it used to be” – Yogi Berra



- The future is not predictable
- Drivers that influence the future are uncertain
- Drivers have significant impact on water supply reliability

2020 IRP – Policy Forward

Scenarios may stretch and pull at existing policies



2020 IRP Roadmap



1 Identify Drivers of Change

What do Drivers of Change Look Like?

Samples



Residential Water Use

- Population
- Income levels
- Water use behaviors



Climate Change

- Precipitation patterns
- Temperature
- Sea level rise

2020 IRP Roadmap

2

**Construct
Learning
Scenarios**



What does a Learning Scenario Look Like?

Sample

“Water Supply Challenges in a World of Awareness”

Southern California’s *economy thrives* over the next 25 years.

Pop *cons* *and* *inve* *with* *low* *cha* *grou* *ail water* *standards* *lf-* *iciency,* *sustained* *has been* *ing* *supplies*

**Develop narratives and
quantitative assumptions
that describe plausible
futures**

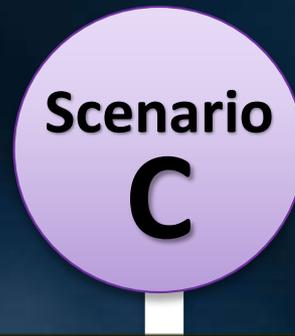
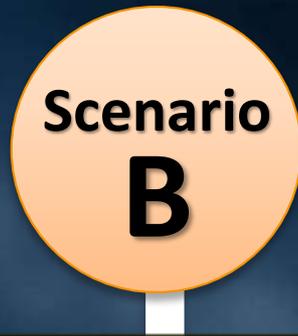
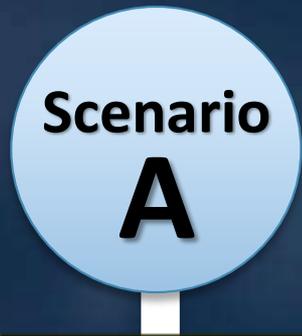
are challenged by *climate change*, with the impacts of *increased temperatures* and *decreased/changed precipitation pattern* while increasing temperatures and changes in rainfall put increasing pressure on the remaining outdoor water use.

2020 IRP Roadmap

3 Develop Resource Mix



What does a Resource Mix Look Like?



- Analyze and quantify scenario elements
- Determine outcomes over the next 25 years
 - Supply, demand, and storage
- Evaluate resource mixes and actions against performance measures:
 - Reliability measures, cost measures, resiliency measures

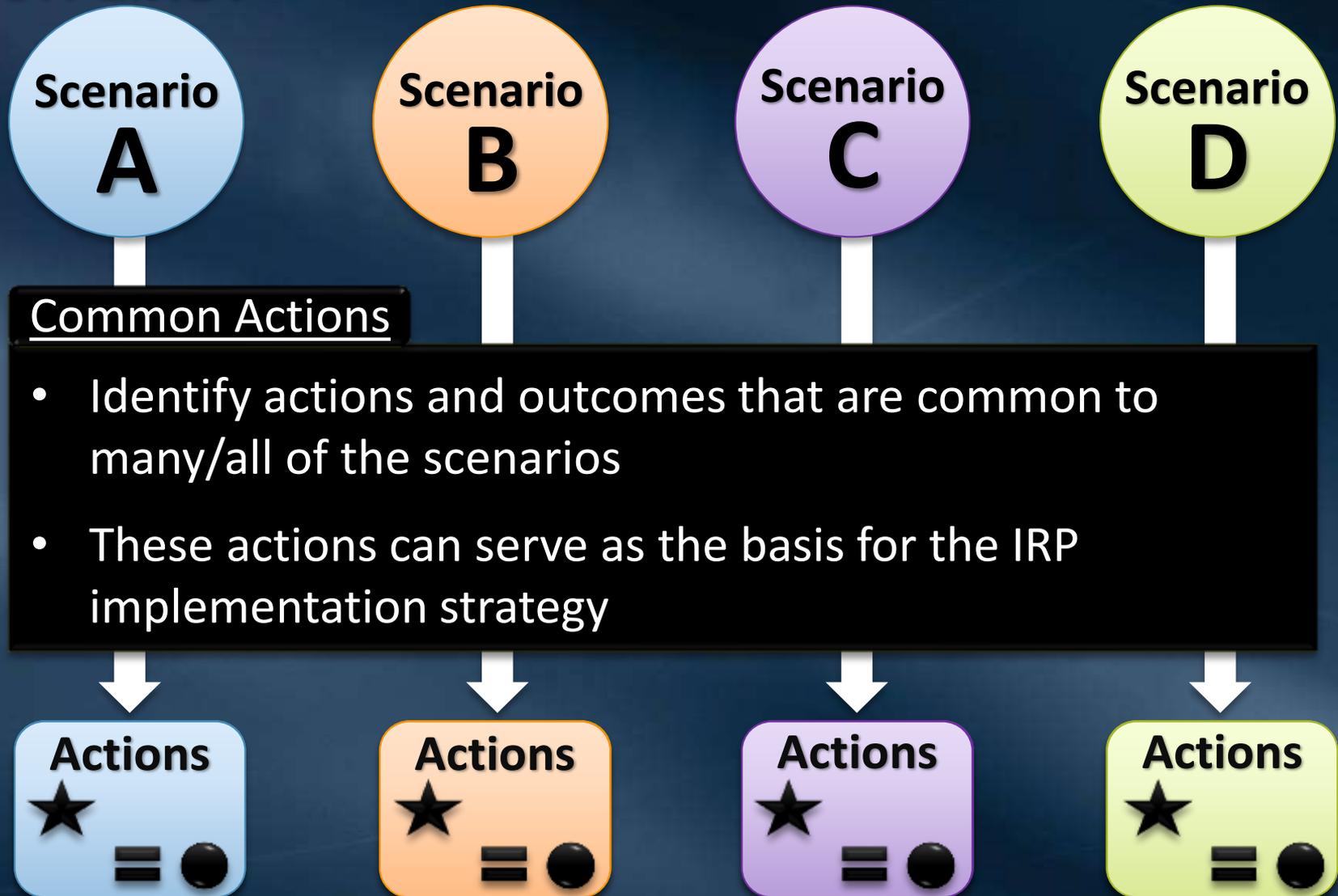


2020 IRP Roadmap

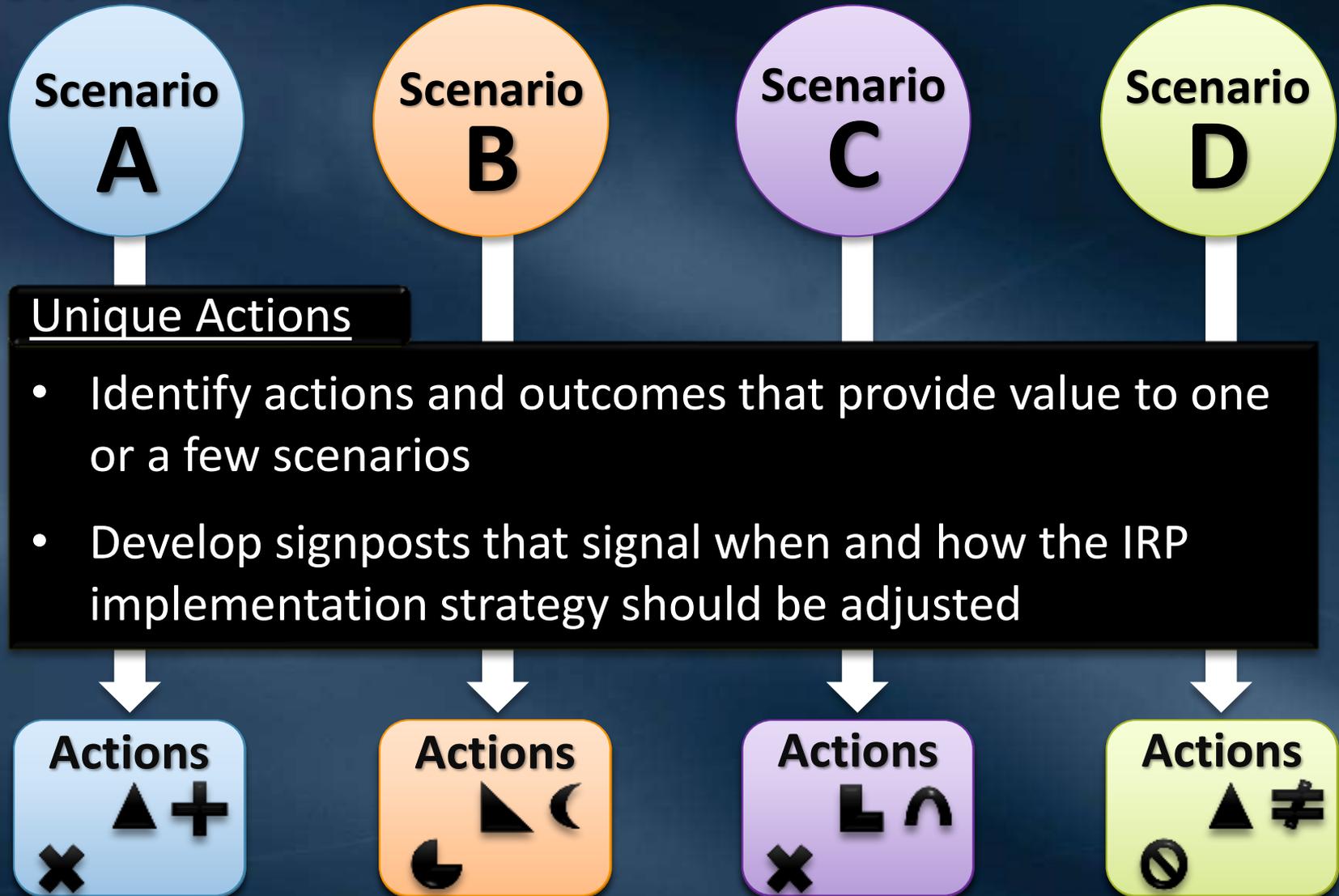
4 Adaptive Management Strategy



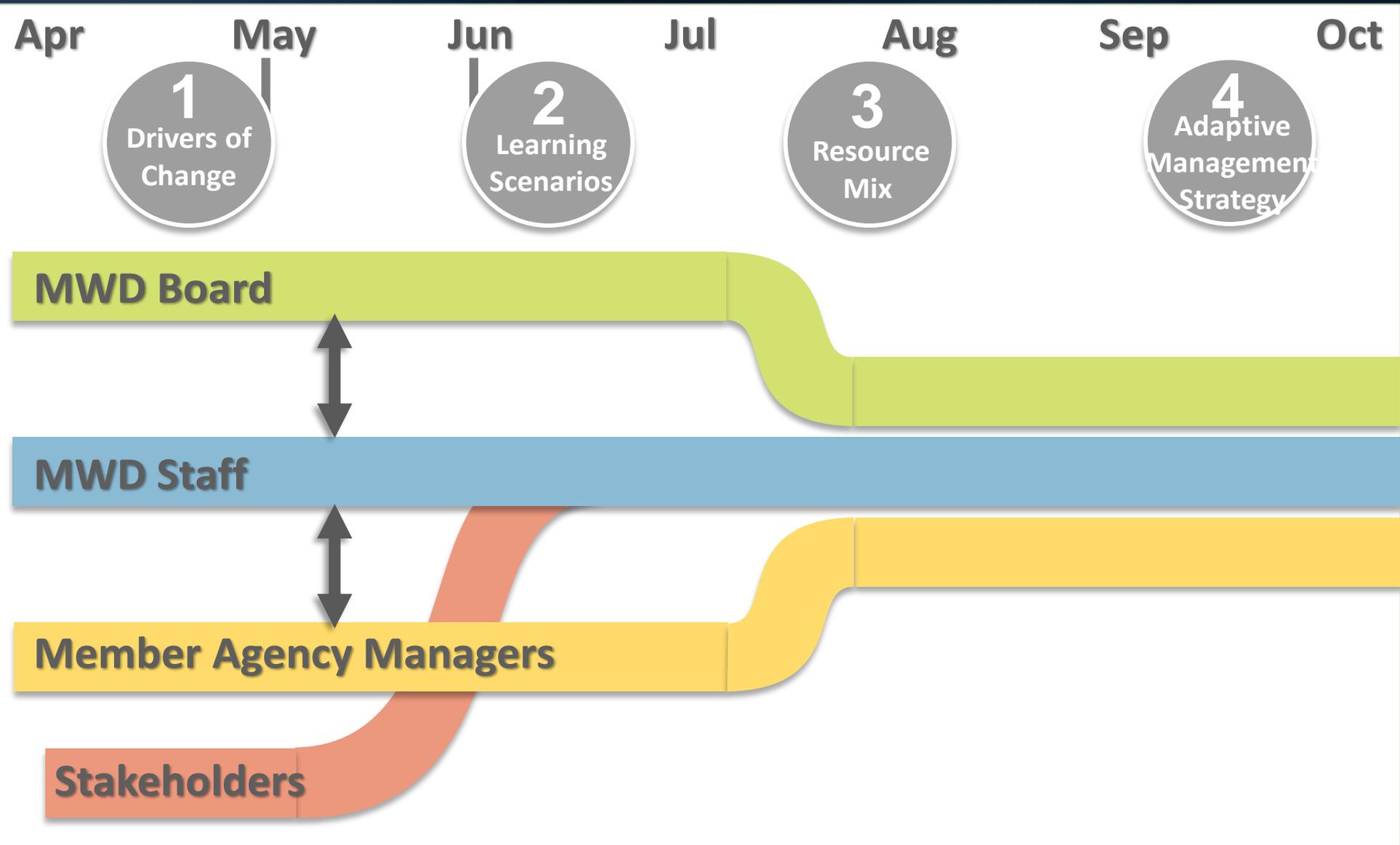
What does an Adaptive Management Strategy Look Like?



What does an Adaptive Management Strategy Look Like?



Sequence of Activities and Key Players



Proposed Outreach Schedule

All meetings designed for online participation

Apr

May

Jun

Jul

Aug

Apr 17 MA Managers meeting

May 5 MA Regional Urban Water Management Plan kick-off

May 13 MA Technical Staff workshop

May 15 MA Managers meeting

May 20 Stakeholder workshop

Jun 10 MA Technical Staff workshop

Jun 12 MA Managers meeting

Jul 15 MA Technical Staff workshop

Jul 17 MA Managers meeting

Aug 19 MA Technical Staff workshop

Aug 21 MA Managers meeting

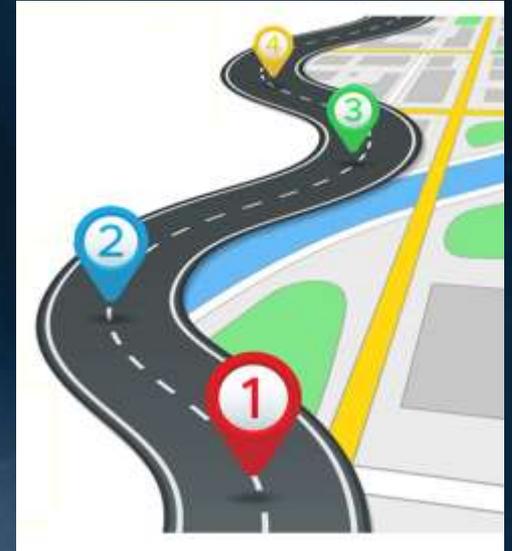
Staff seeking and
available for additional
online outreach

2020 IRP Roadmap Discussion

Questions/Comments/Observations

Identify Key Policy Questions to Guide Us Through the Process

- Review of policy questions introduced at February IRP Committee Meeting
- Have we identified the right policy areas and questions to help inform the IRP process?
- Why are these policy areas/questions of interest and important?



Policy Questions



- What level of water supply reliability should Metropolitan target for the region?
- Should Metropolitan assume a new role in assuring that local agencies can fully access the regional network? (Resilience)

Policy Questions (cont.)



- What role should Metropolitan take in assisting the region to plan for and comply with water conservation legislation?
- How should Metropolitan account for member agency local supply plans and incorporate potential Regional Recycled Water Program?

Policy Questions (cont.)



- As supplies and demand come into balance for the region, should Metropolitan continue to fund water efficiency and local projects at the same level as now?

Key Policy Areas



Key Policy Areas – Reliability

- Reliability goal initially set in 1996 IRP

100% Reliable 80% of the time
No more than a 20% cut 20%
of the time



100% Reliable under
predictable hydrologic
conditions

- We plan to bring different ways to address a reliability goal as part of this process
 - Has the implementation of the Water Supply Allocation Plan changed our opinions on what a reliability goal should be?
- Resiliency goal
 - What does this look like and how is it different from reliability?

Key Policy Areas – Institutional

- Metropolitan's approach to encouraging local supplies has evolved over the years
- How can Metropolitan influence these outcomes better in the future?
 - Do we continue to incentivize local supply programs?
 - Do we invest directly in local supply programs?

Key Policy Areas – Cost

- IRP process will identify resource mixes and actions for each scenario
 - General cost information will be developed for each scenario
- We recognize the IRP effort will feed into the rate refinement process
 - Is the development of general cost information adequate? Is more needed?

Key Policy Questions

Feedback

Next Steps

- May IRP Committee
 - Refine key policy areas
 - Update on member agency discussions on drivers of change
 - Receive input on Drivers of Change

