



Engineering & Operations Committee

State Water Project Dependent Areas Drought Mitigation Update

Item 6a

November 7, 2022

Drought Action Development - A Two Prong Approach

Planning
long-term
actions for
extreme
droughts

- Long Term Solutions Approach
 - Planning Process
 - Portfolios of Actions



Implementing
near-term
actions

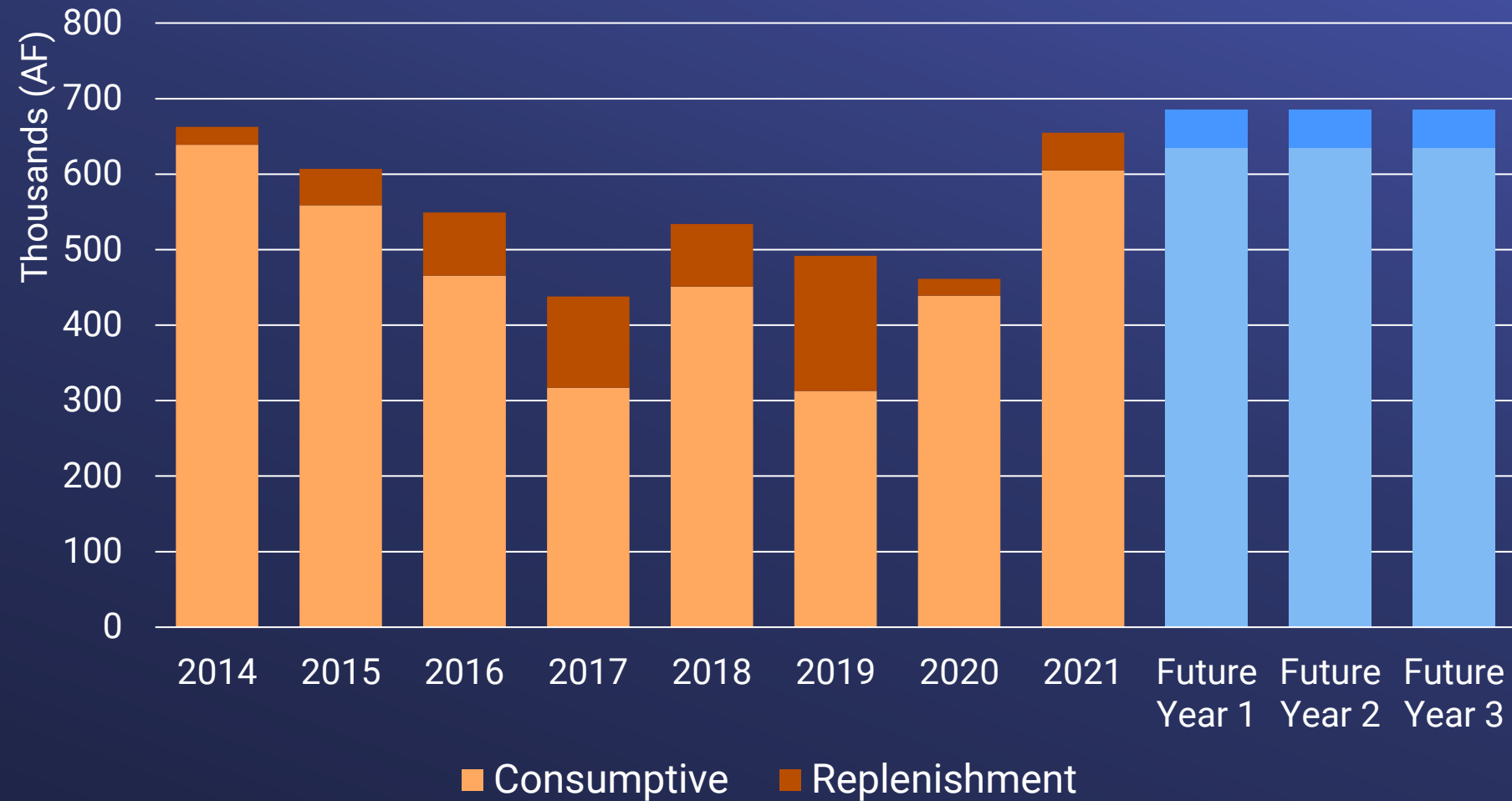
- Near Term Solutions Approach
 - High-Potential
 - Low Risk

SWP Dependent Area Solutions

Drought Action /Project Portfolios Update

Demand Level Criteria

SWP Dependent Area Agency Demand

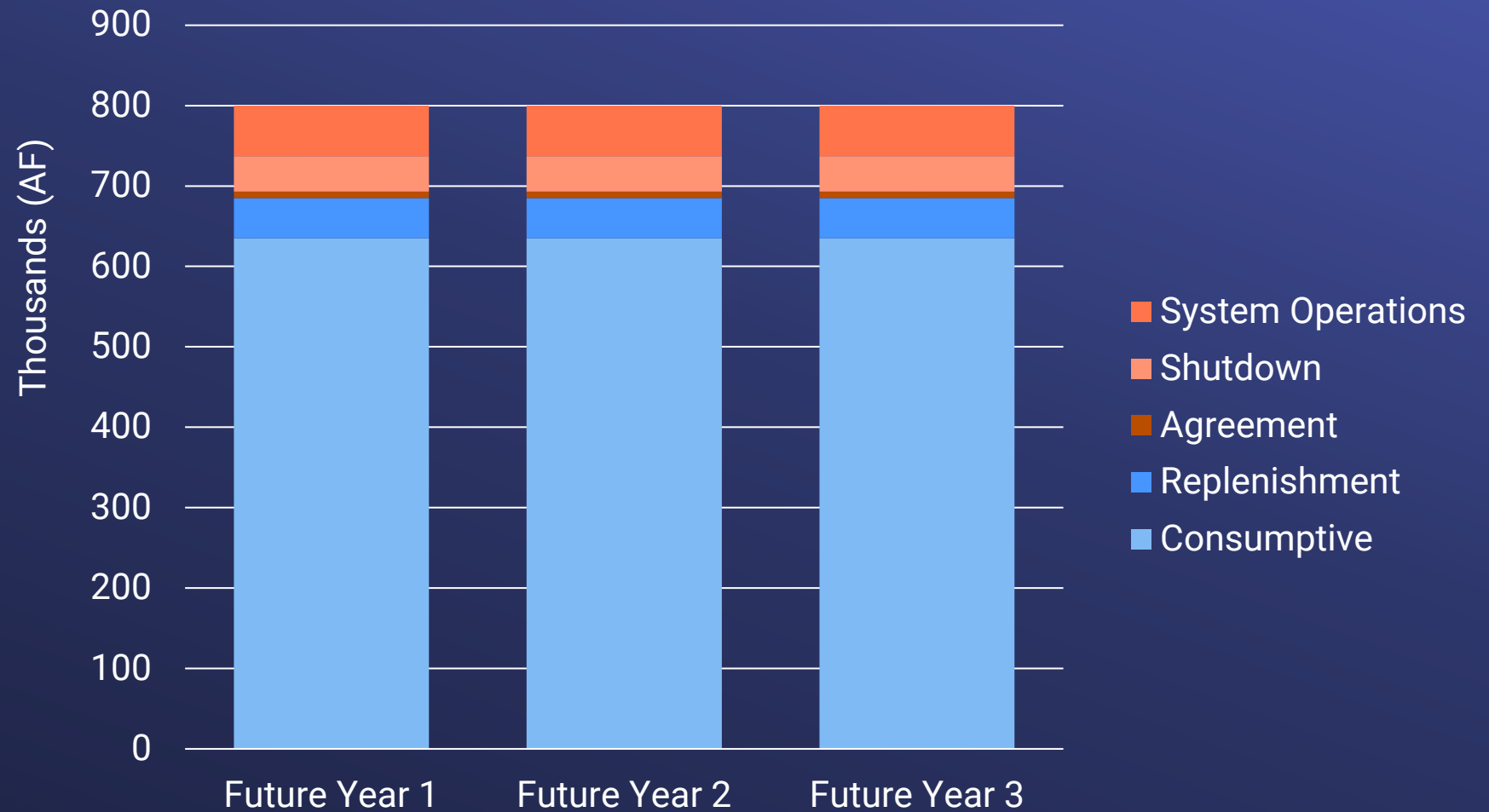


SWP Dependent Area Solutions

Drought Action /Project Portfolios Update

Demand Level Criteria

Drought Level Demand – Repeats for 3 Years



Total SWP Dependent Area Demand = 800 TAF (based on 2021 level of demand with loss of local supply, no drought actions, and 2015 LAA condition)

SWP Dependent Area Solutions

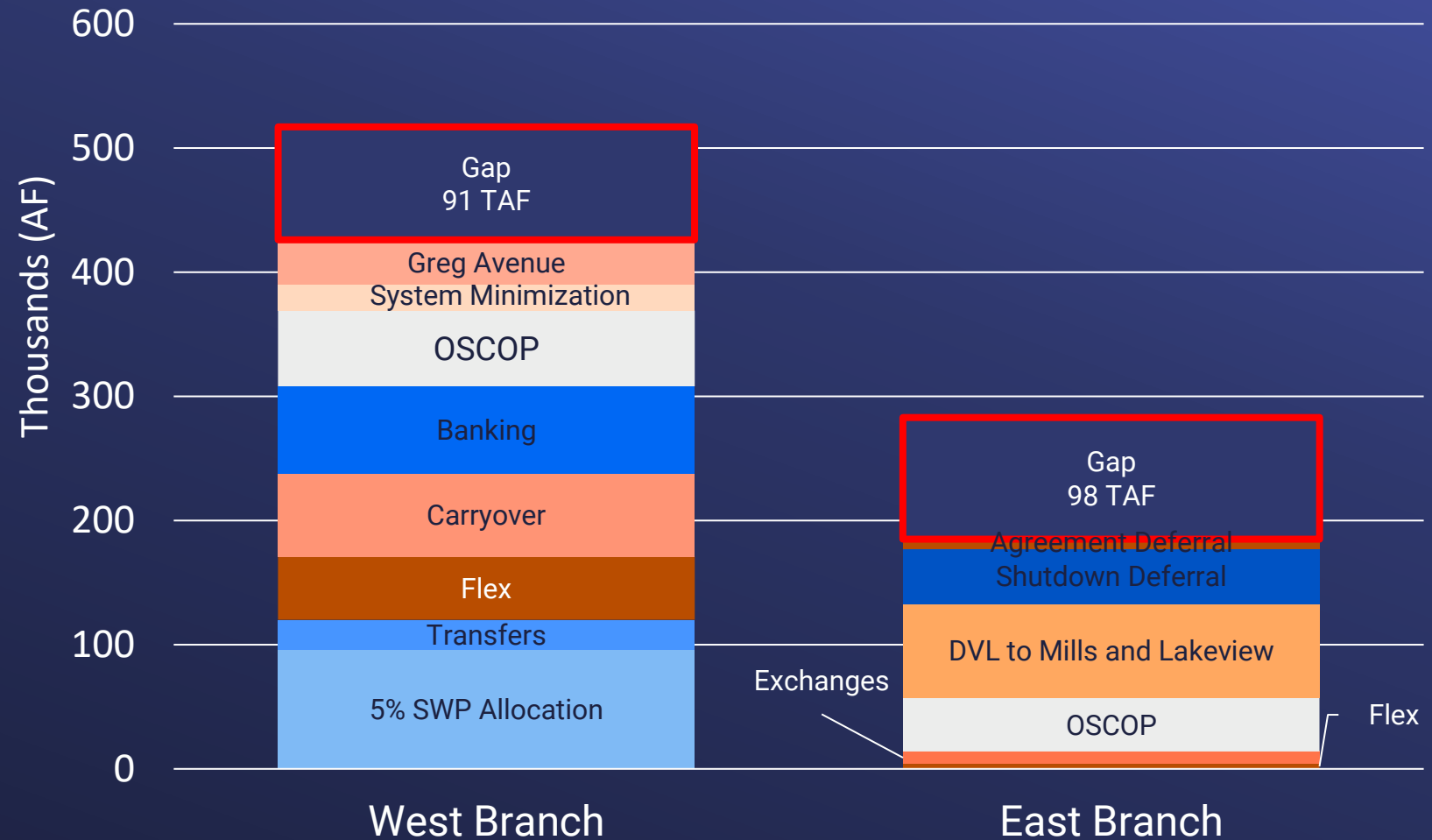
Drought Action /Project Portfolios Update

Typical Initial Storage Case

Existing Resource and Drought Action Performance and Resource Take Strategy Criteria

Future Supply Gap with Existing Resources

New Operation Assuming New Drought Actions



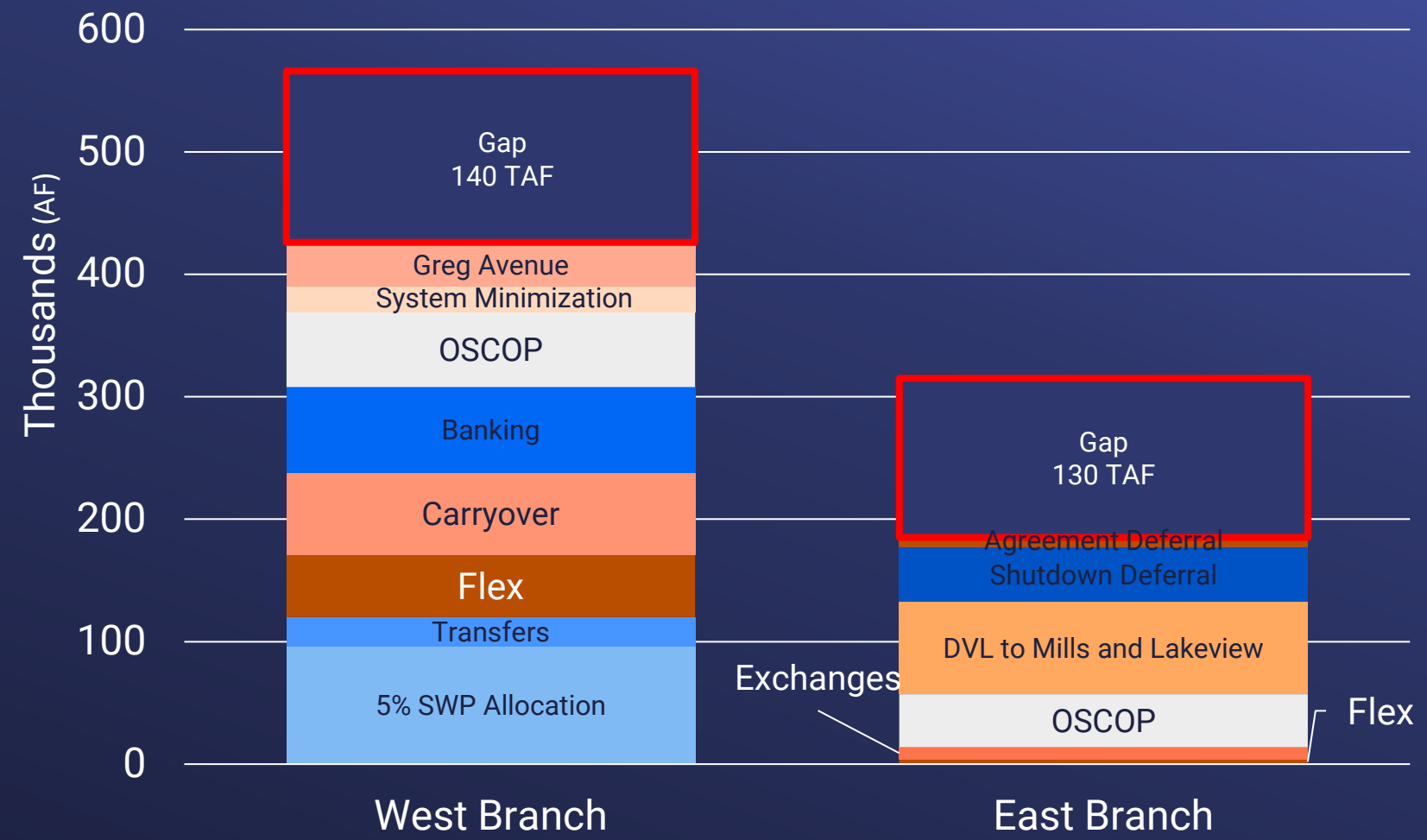
Future Supply Gap with Existing Resources

New Operation Assuming New Drought Actions

SWP Dependent Area Solutions
Drought Action /Project
Portfolios Update

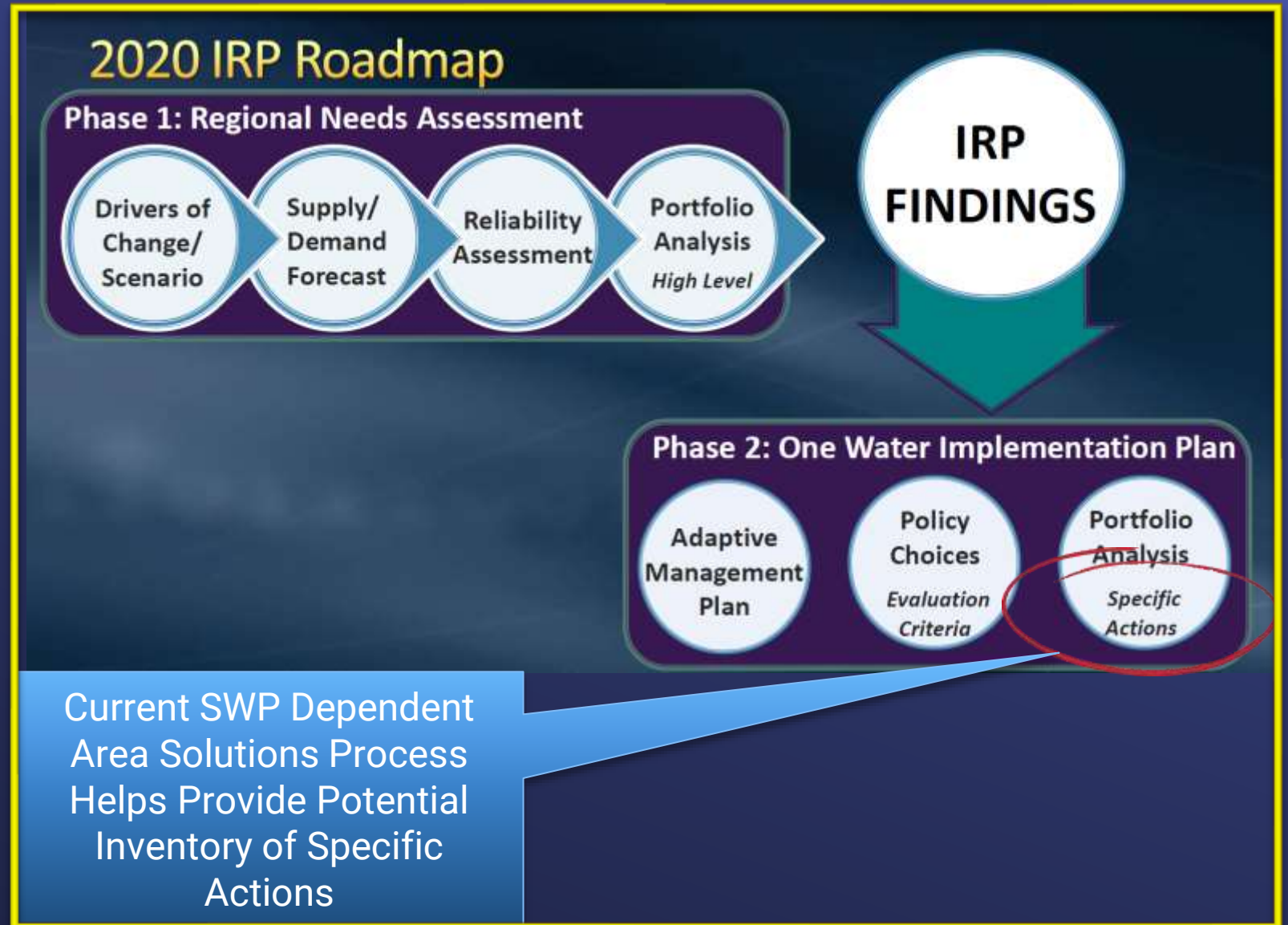
Initial Gap

Preliminary – will be
evaluated with
member agencies



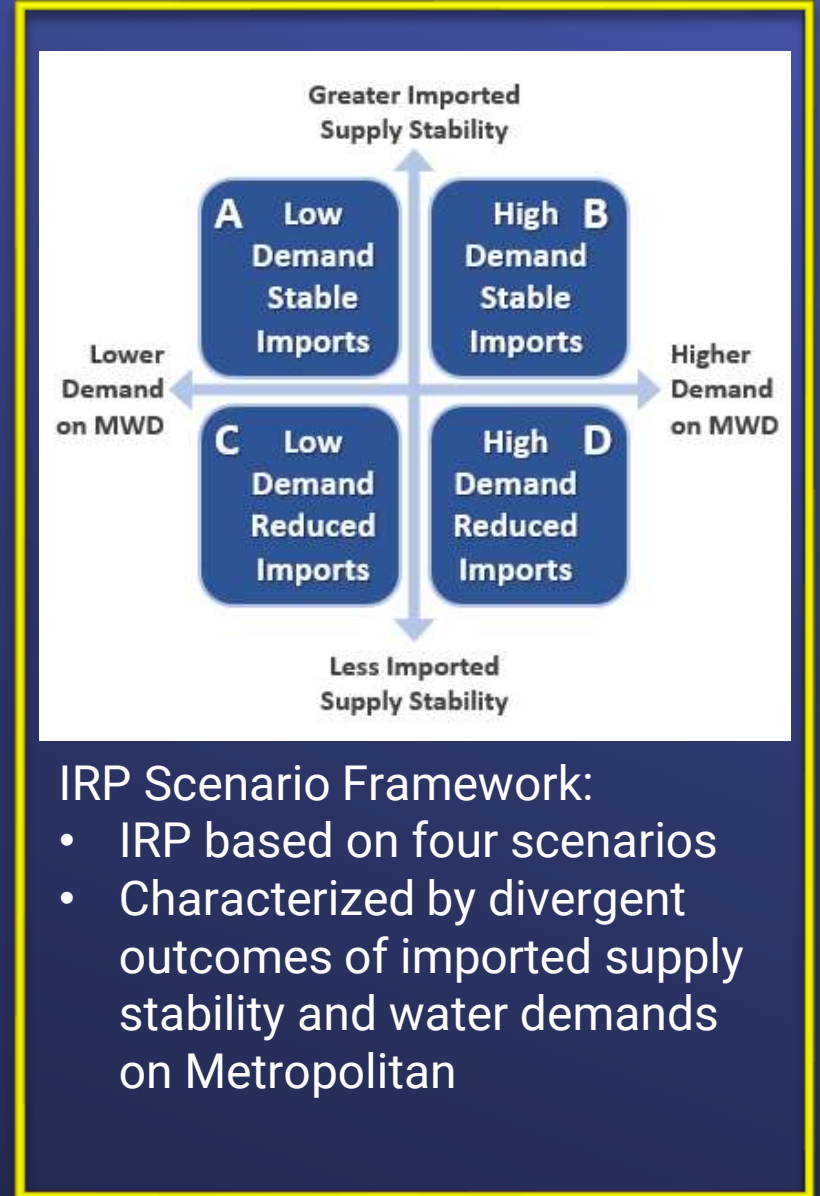
IRP Road Map for Phase 1 and 2

- Strategy to Ensure Regional Water Reliability
- Identified SWP-Dependent Areas Reliability



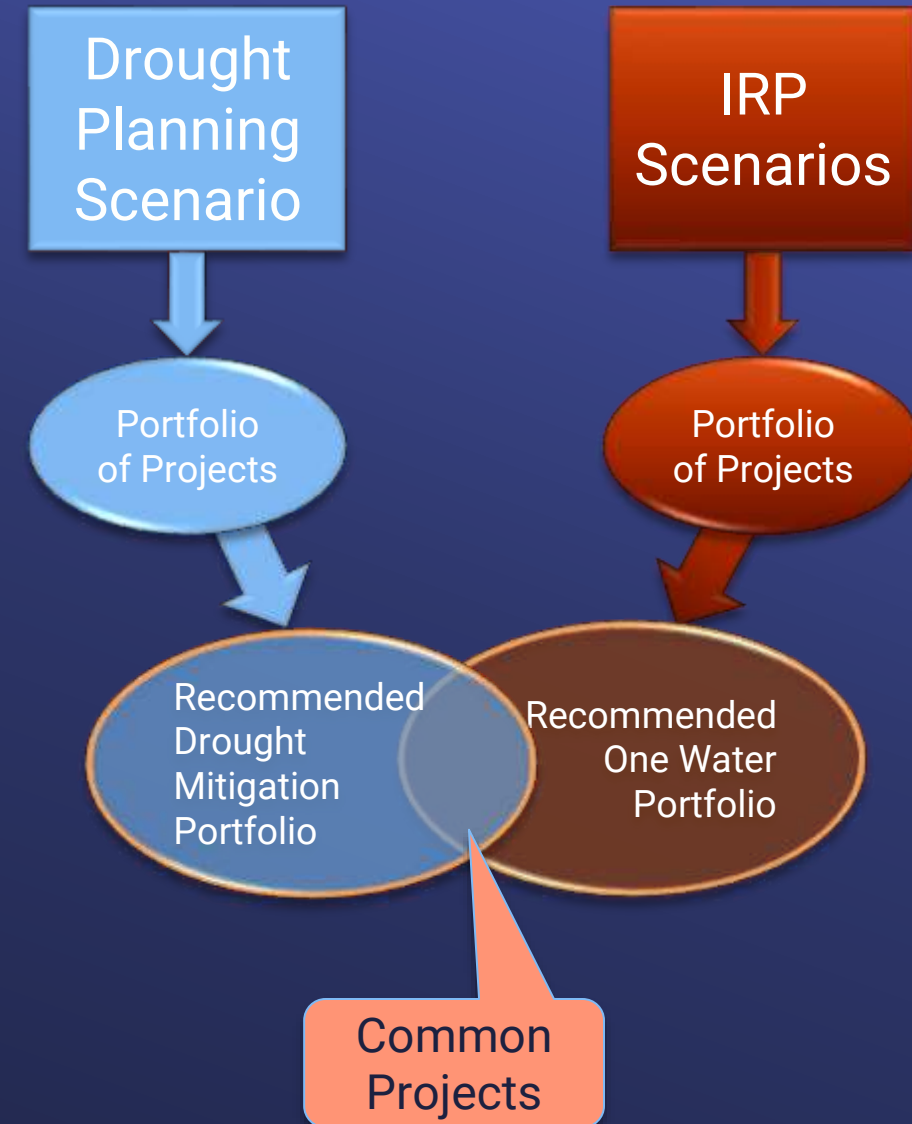
Scenario Planning

- IRP scenario planning
- Testing the drought mitigation project portfolios
- Drought mitigation projects that do not help with improving deficiencies identified in the IRP may be
 - **Modified, Eliminated and/or Replaced**
- Process indicates if we are doing enough
- Later portfolios will be used in the One Water Implementation phase of the IRP

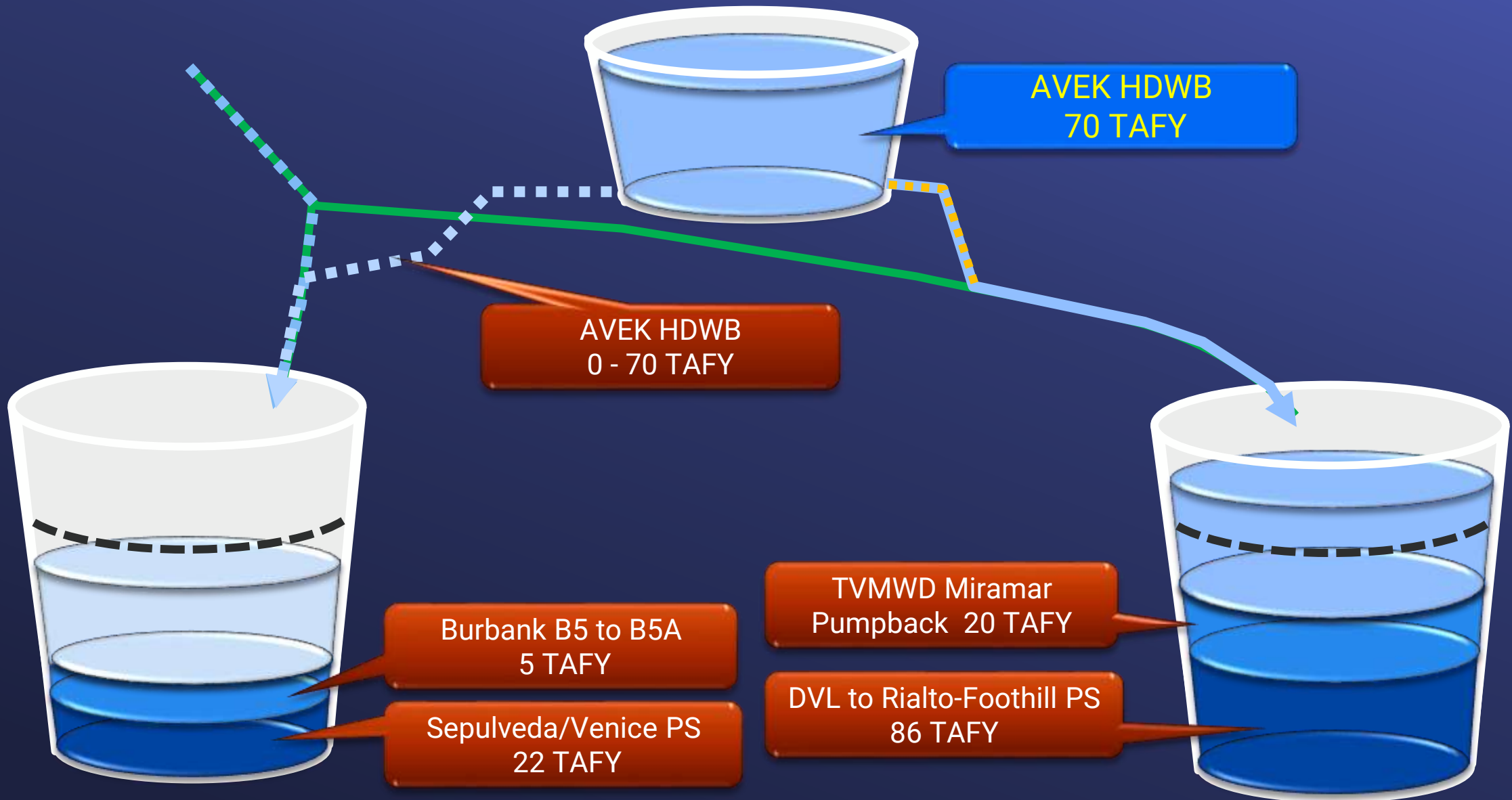


IRP Scenarios vs Drought Mitigation Scenarios

- Drought Planning Scenarios vs IRP Scenarios
 - The Drought Planning Scenario is separate and distinct from the IRP Scenarios
 - Drought solutions can improve the conditions of uncertainty for the IRP scenarios
- Different Processes
 - Each designed to solve unique problems
 - Drought mitigation projects address the acute issue exposed by the drought in the SWP-dependent areas
 - IRP needs assessment establishes a strategy for ensuring regional water reliability



SWPDA High Potential - Low Risk Flexibility (Near-Term) Projects



Potential Long-Term Reliability Options

Potential Long-Term Options to Boost System Reliability



Status of Activities Potentially Benefiting the West Side Region

Project	Action	Scheduled Completion	Status
Interconnection between WBMWD & LVMWD	Study	Sep-22	Completed
Shift of Burbank B-5 Supply to B-5A	Study	Sep-22	Completed
Expansion of Greg Ave. Pumping Operation	Study	Dec-22	On schedule – in progress
AVEK HDWB to Supply Westside Agencies	Study	Feb-23	Consulting MAs – in progress
Surface Storage Options	Study – Phase 1	Oct-23	On schedule – in progress
East-West Conveyance System	Study	Dec-23	Consultant Agreement- in development
Desalination Research	Study	Dec-23	RFP – in advertisement
Sepulveda/Venice Pump Stations Phase 1	Alternative Project Delivery	Dec-25	On Schedule – RFQ in development

Status of Activities Potentially Benefiting the Rialto Service Area

Project	Action	Schedule	Status
USG Cyclic Program	New Agreement	Feb-22	On schedule
TVMWD Miramar Pumpback	Study	Sep-22	Completed
Chino Basin Program Expansion	Study	TBD	Working with Member Agencies on the Study
Quagga Control CRW to USG-3	Agency Approvals	Feb-22	Draft plan complete
IEUA Local Resource Development	Benefit Assessment	TBD	Collaborating with Member Agencies on the Study
Surface Storage Options	Study	Oct-23	On schedule
PC-1 Pump Station	Study	Nov-23	Consultant selection
Desalination Research	Study	Dec-23	RFP Process

Status of DVL to Rialto Projects

Project	Upcoming Action	Planned Board Action	Anticipated Completion Schedule	Current Status
Wadsworth Bypass	Award Construction Contract	Dec-22	May-24	On schedule – Advertising for construction bids
Inland Feeder-Rialto Pipeline Intertie	Award Construction Contract	April-23	May-24	On schedule – in design
Badlands Tunnel Surge Tank	Award Construction Contract	April-23	May-24	On schedule – in design
Foothill Pump Station	Award Construction Contract	Jun-23	Dec-24	On schedule – in design, resolving environmental challenges

Process Moving Forward for Long-Term Supply Reliability

