

Draft Scenario Framework and Strawman Assumptions

Member Agency Managers Meeting

September 18, 2020



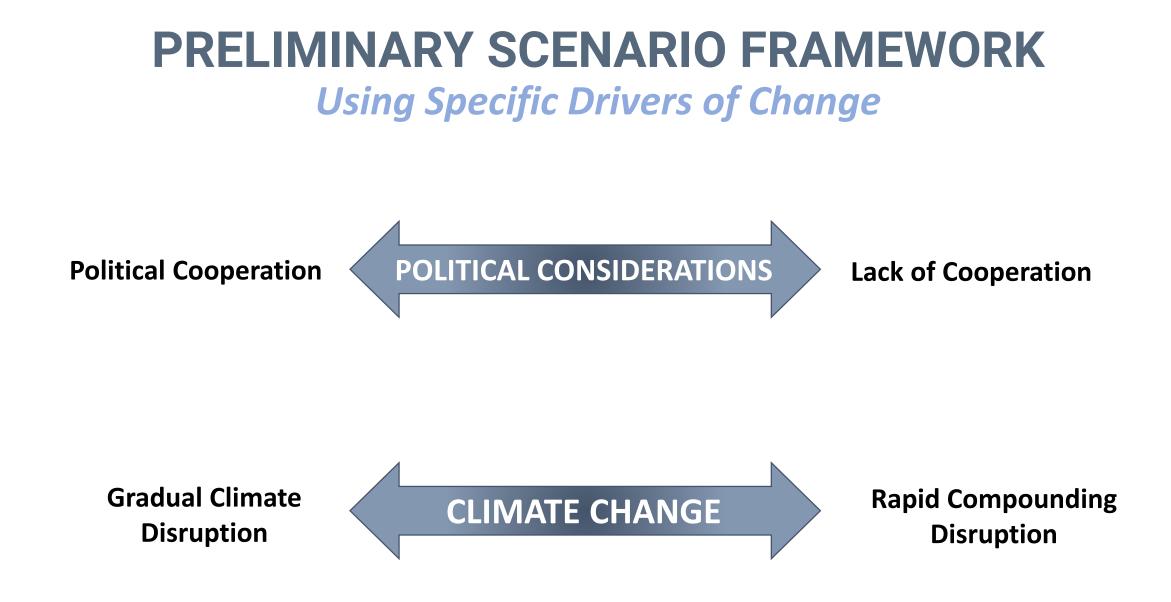
- Recent Activity
- Draft Scenario Framework and Strawman Assumptions
- •Next steps

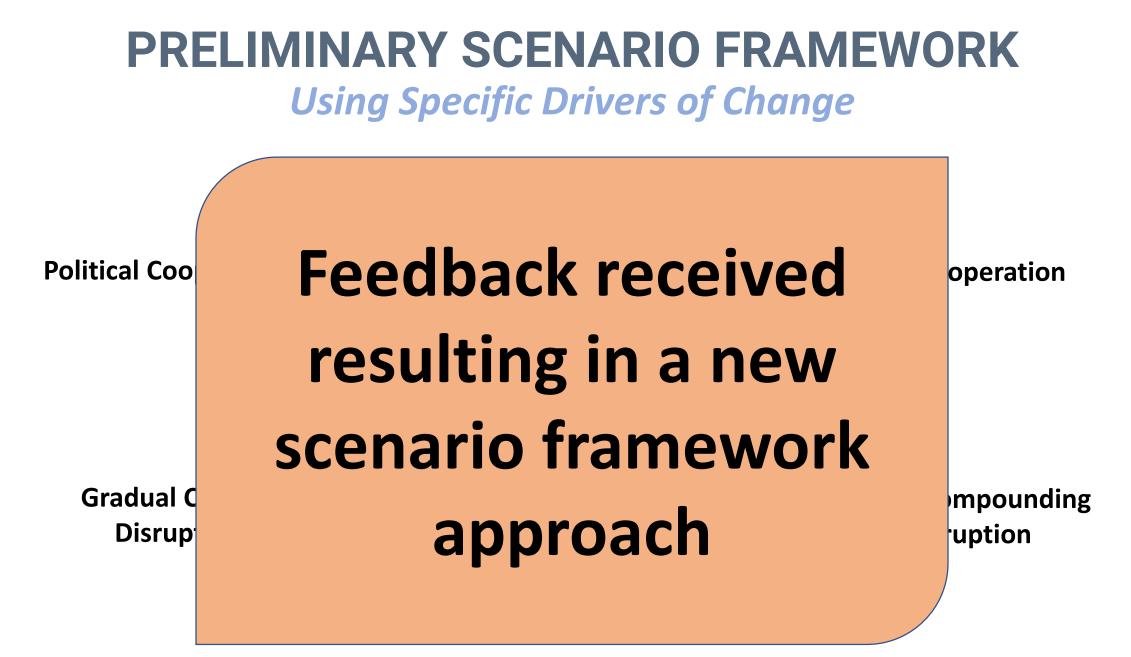
2020 IRP ROADMAP



STEP 2 – CONSTRUCT SCENARIOS Recent Activity

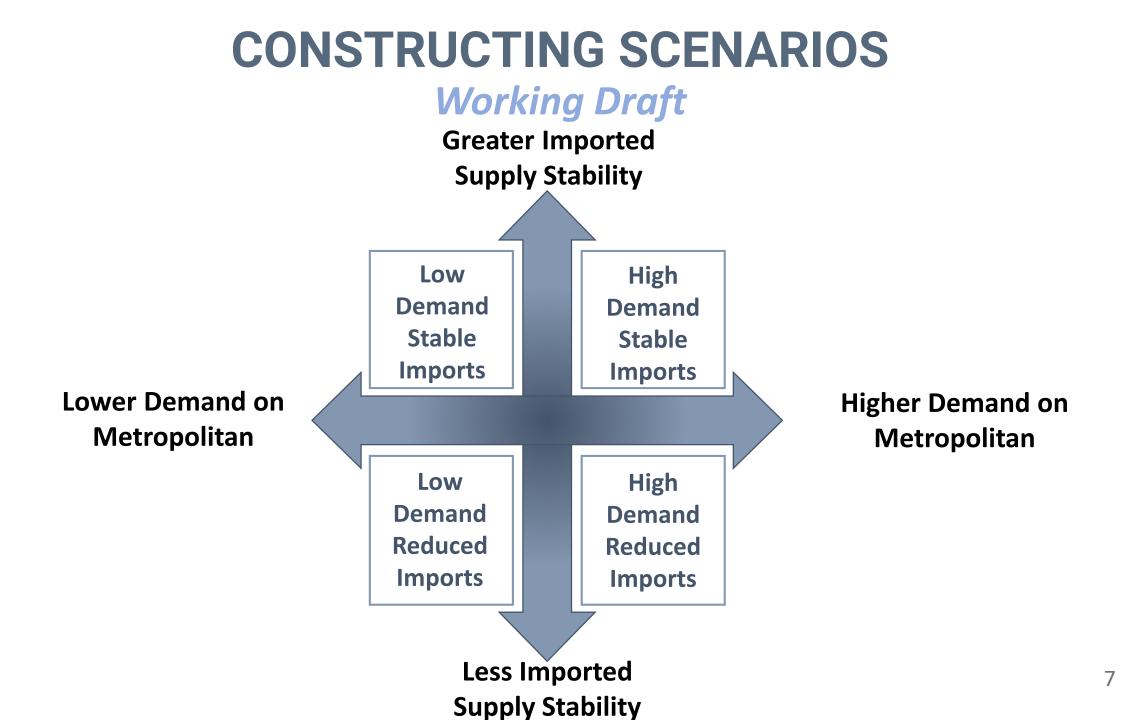
- Jul 15 MA Technical Workgroup Mtg. #3
 - Screening Process and objective of Qual/Quant Assessment
- Aug 5 & 12 Workshops on Qual/Quant Assessment
 - A forum to answer questions and clarify purpose
- Aug 18 IRP Committee
 - Mock Scenario to illustrate type of analysis and analytics
- Aug 21 Member Agency Managers Meeting
 - Preliminary 2020 IRP scenario framework

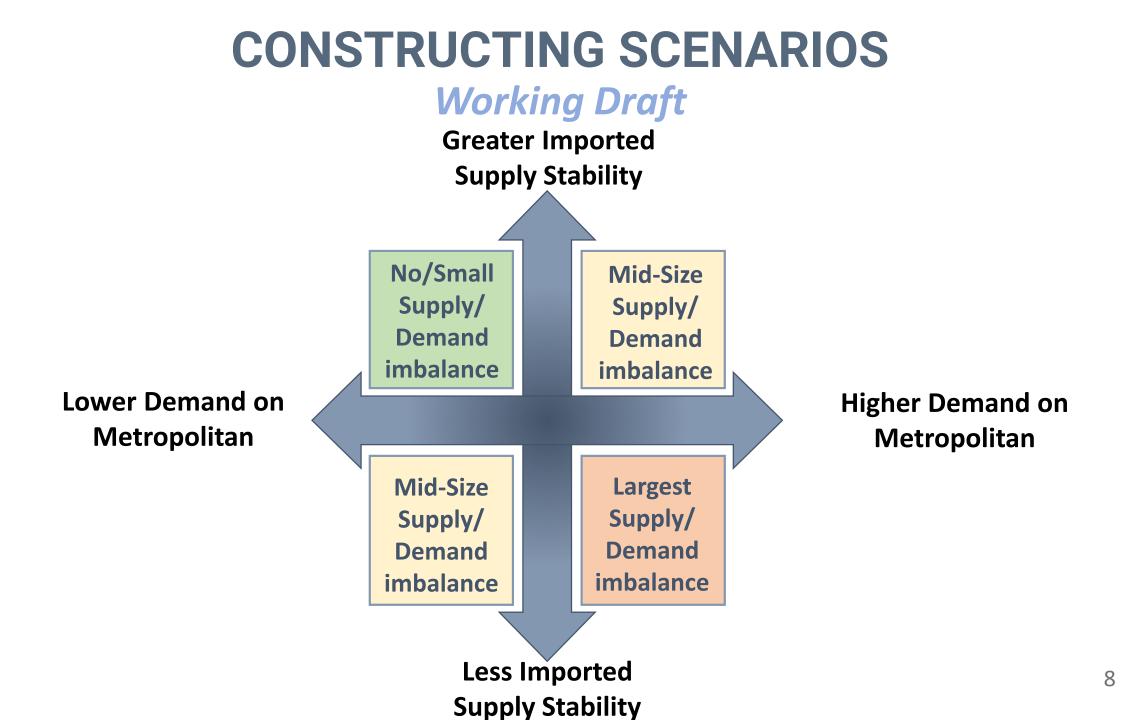




NEW SCENARIO FRAMEWORK APPROACH Using Key Outcomes to MWD







CONSTRUCTING SCENARIOS

Working Draft – Examining Drivers

	Low Demand Stable Imports	High Demand Stable Impor				emand ed Imports	High Demand
	Gradual impacts to imported and local supply	Gradual impadimported and		ipply	Signific import	ant impacts to ed	Significant impacts to imported and local supply
	Minimal growth, fewer jobs, flat housing	No/Small Supply/	ag dem			al growth, fewer at housing	High growth, ag demand increases
	Fewer groundwater mandates and Delta regs	Demand imbalance	al regul			ling leg. and reg. orted supply	Meeting regs reduce available supplies
Demographics	Slow pop growth, less suburban sprawl	High pop grov crowding	wth, less	S	•	op growth, more trong WUE ethic	High pop growth, conservation fatigue
	Limited regional, state, and federal help	Mid-Size Supply/	ition ar		gest ply/	d Colorado River every state for itsel	High desire to invest, but unsuccessful collaboration
	Off-grid technologies help wealthier communities	Demand	stment onal	Den	nand		Less acceptance of DPR and SW not able to supplement water recycling
Aging Infrastructure	Deferred maintenance with manageable impacts	Keeping up repair and maintenance			unplar	frequent ned outages from funding	More frequent unplanned outages from system stress

STRAWMAN ASSUMPTIONS

Straw man proposal - Wikipedia

A **straw-man proposal** is a brainstormed simple draft proposal intended to generate discussion of its disadvantages and to provoke the generation of new and better proposals.

For Discussion Purposes

STRAWMAN ASSUMPTIONS

	2020 IRP	2020 IRP	2020 IRP	2020 IRP
	Low Demand	High Demand	Low Demand	High Demand
	Stable Imports	Stable Imports	Reduced Imports	Reduced Imports
Colorado	 <u>Hydrology</u> CMIP 3	 <u>Hydrology</u> CMIP 3	 <u>Hydrology</u> Stress Test	 <u>Hydrology</u> Stress Test
River	(13.7 MAF) <u>Operations</u> DCP in place through	(13.7 MAF) <u>Operations</u> DCP in place through	(13.1 MAF) <u>Operations</u> DCP in place through	(13.1 MAF) <u>Operations</u> DCP in place through
Supply	planning horizon	planning horizon	planning horizon	planning horizon
State	Use hydrology and	Use hydrology and	 Start with 2019 Delivery Capability Report and include the following : Additional climate	 Start with 2019 Delivery Capability Report and include the following: Additional climate change impacts More restrictive South Delta Increase outflow requirements
Water	operating assumptions	operating assumptions	change impacts More restrictive South	
Project	from the 2019 Delivery	from the 2019 Delivery	Delta Increase outflow	
Supply	Capability Report	Capability Report	requirements	

For Discussion Purposes

STRAWMAN ASSUMPTIONS

	2020 IRP Low Demand Stable Imports	2020 IRP High Demand Stable Imports	2020 IRP Low Demand Reduced Imports	2020 IRP High Demand Reduced Imports
Retail Demands	RTP 20 and Series 14 – Reduced (Less growth/improved WUE)	RTP 20 and Series 14 - Increased (More households/jobs- slight GPCD rebound)	RTP 20 and Series 14 - Reduced (Less growth/strong WUE/bad economy)	RTP 20 and Series 14 - Increased (More households/jobs - GPCD rebound)
Local Supply	 Existing Project continue to yield Planned projects begin to perform 	 Existing Project start to decrease in yield Planned projects do not perform as well 	 Existing Project continue to yield Planned projects begin to perform 	 Existing Project start to decrease in yield Planned projects do not perform as well

WHAT'S NEXT

- Qualitative-Quantitative Assessment
 - Confirm scenario framework working draft
 - Continue quantifying supply/demand links
- September IRP Committee meeting
 - Report on scenario framework discussed today
 - Provide preliminary assessment of key supply and demand impacts

