



**WATER TOMORROW**  
**2020 Integrated Resources Plan**

## IRP Progress and Draft Scenario Framework

**Member Agency Managers Meeting**

August 21, 2020

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## OVERVIEW

- Recent Activity
- Draft Scenario Framework
- Next steps

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## 2020 IRP ROADMAP



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## STEP 2 – CONSTRUCT SCENARIOS

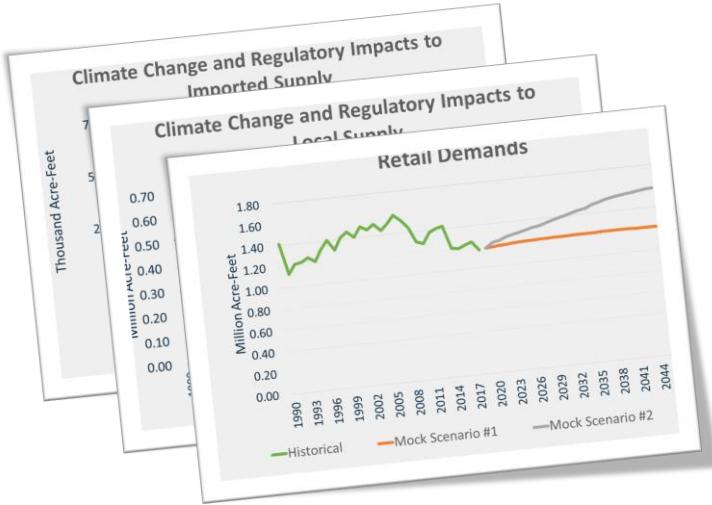
### *Activity to date*

- Receiving Feedback on Qualitative – Quantitative Assessment
- Example of input/output data and analytics through mock scenario examples
- Qualitative-Quantitative Assessment of drivers is ongoing
- Preliminary draft scenario framework for discussion

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# INPUT/OUTPUT DATA AND ANALYTICS



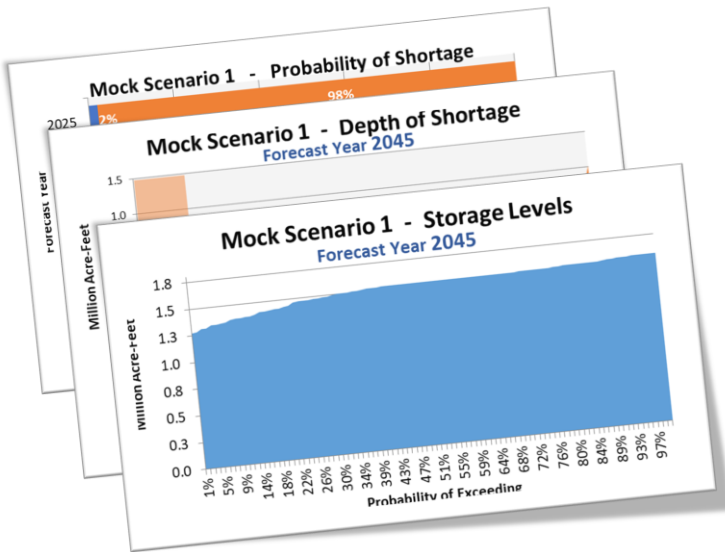
**Inputs to  
IRPSIM**

**Quantify impacts of the Drivers**

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# INPUT/OUTPUT DATA AND ANALYTICS



**Traditional  
IRP Analysis**

(2020 IRP will have a suite of modeling results for each scenario)

**Simulation Model**

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## QUALITATIVE – QUANTITATIVE ASSESSMENT

### *Preliminary Feedback Categories*

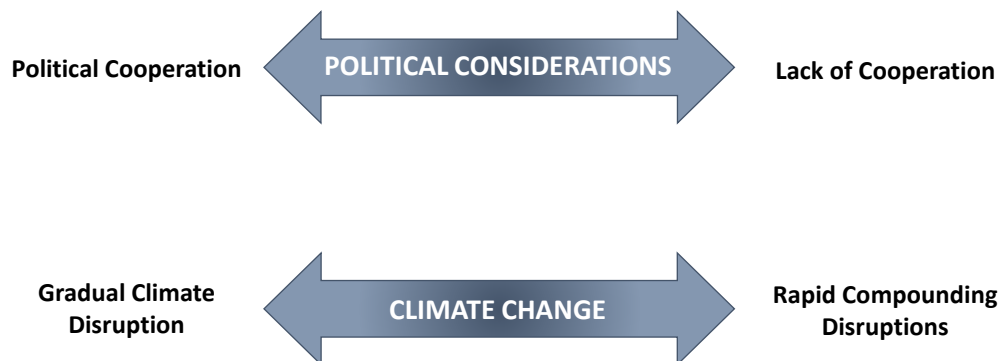
- Driver Related
  - Resources
- Process Related
  - Requests

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## CONSTRUCTING SCENARIOS

### *Working Draft - Critical Uncertainties*

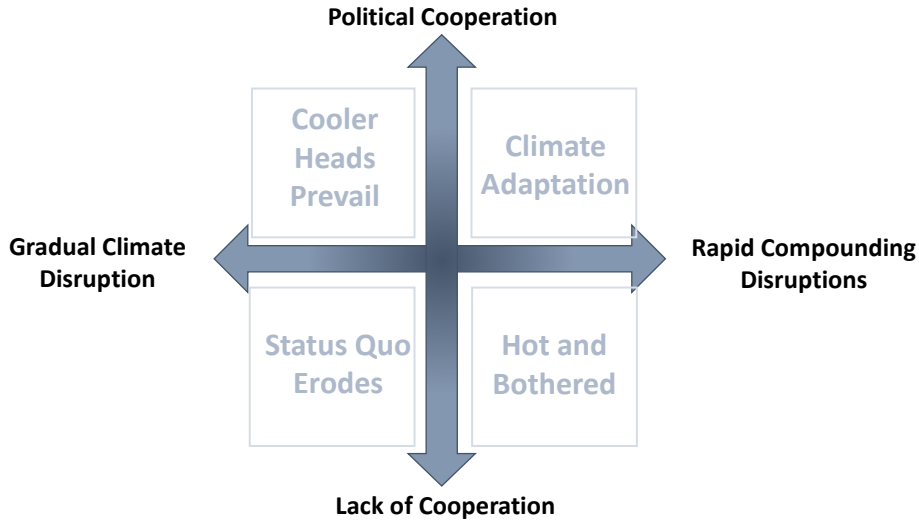


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# CONSTRUCTING SCENARIOS

## Working Draft - Scenario Matrix



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# CONSTRUCTING SCENARIOS

## Working Draft – Examining Drivers

	Cooler Heads Prevail <input checked="" type="checkbox"/> <input type="checkbox"/>	Climate Adaption <input type="checkbox"/> <input checked="" type="checkbox"/>	Status Quo Erodes <input type="checkbox"/> <input checked="" type="checkbox"/>	Hot and Bothered <input type="checkbox"/> <input checked="" type="checkbox"/>
Climate Change	Periodic disruptions	Successful adaptation	Intermittent crises	Compounding effects
Economic Impacts	Investments in traditional approaches	Increased public funding	No economic growth	Corporations leaving California
Leg & Regs	Episodic public funding	Achievable regulatory targets	Increased regulatory intervention	No public funding
Demographics	Demand increasing	Commercial to housing conversion & densification	Expanding income inequality	No tolerance for rate increases
Fed & State	Western states coalition	Cooperation and collaboration	Delta and Colorado River Turmoil	No Colorado River collaboration
Tech Advances	Less innovative investments prevail	Stormwater supplementing sewage for recycling	Not investing as much in planned DPR, SW, and IPR	High-priced tech thriving in high-income communities only
Aging Infrastructure	Restore CA Aqueduct capacity	Investments in SWP and CRA facilities	More frequent unplanned outages	Compromised CRA and CA Aqueducts

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## WHAT'S NEXT

- **Qualitative-Quantitative Assessment**
  - Quantify drivers and provide opportunities for member agency feedback
  - Confirm scenario framework
- **September IRP Committee meeting**
  - Provide draft scenarios based on framework proposed today
  - Provide draft assessment of major supply and demand impacts

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