

# **Eloy And Maricopa-Stanfield Basin Study**



— BUREAU OF —  
RECLAMATION



PINAL  
PARTNERSHIP

Project Team  
&  
Groundwater Meeting

September 29, 2020, 9:30 AM to Noon

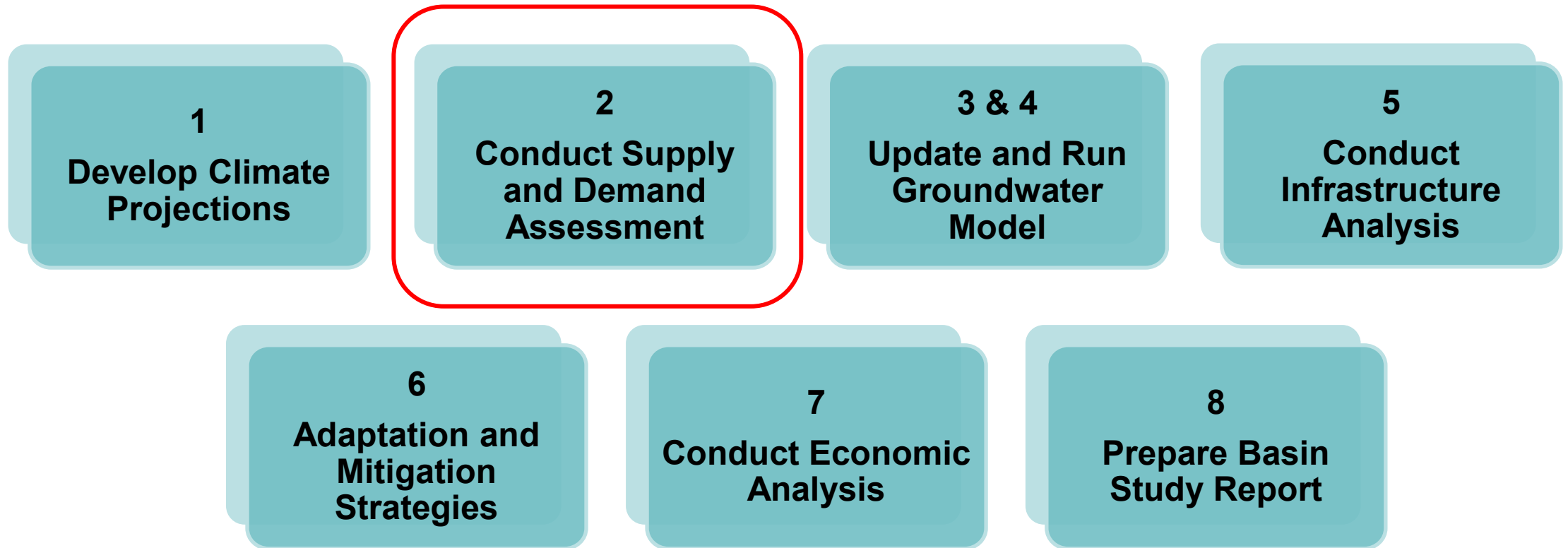
# Agenda

1. Welcome and Introductions
2. Project Update
  - a) Schedule
  - b) Supply & Demand
  - c) Budget
  - d) Infrastructure
  - e) Climate Change
  - f) Other
3. Groundwater Modeling – Montgomery & Associates
4. Next Meetings

# Schedule Update

Revised Schedule															
Task	Description	Year 1 Starts 11/12/2018				Year 2 Starts 11/12/2019				Year 3 Starts 11/12/2020				Year 4 Starts 11/12/2021	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
		11/12/2018	2/12/2019	5/12/2019	8/12/2019	11/12/2019	2/12/2020	5/12/2020	8/12/2020	11/12/2020	2/12/2021	5/12/2021	8/12/2021	11/12/2021	2/12/2022
5.1	Climate Change Analysis						X	X	X						
5.2	Supply and Demand Assessment	X	X	X	X	X	X	X	X						
5.3 & 5.4	Groundwater Model (update for planning)					X	X	X	X	X	X	X			
5.5	Infrastructure Analysis				X				X	X	X	X			
5.6	Adaptation & Mitigation Strategies									X	X	X	X	X	
5.7	Economic Analysis											X	X	X	
5.8	Basin Study Report			X	X		X		X		X	X	X	X	X
5.9 -5.12	Project Management / Admin	X	X	X	X	X	X	X	X	X	X	X	X	X	X

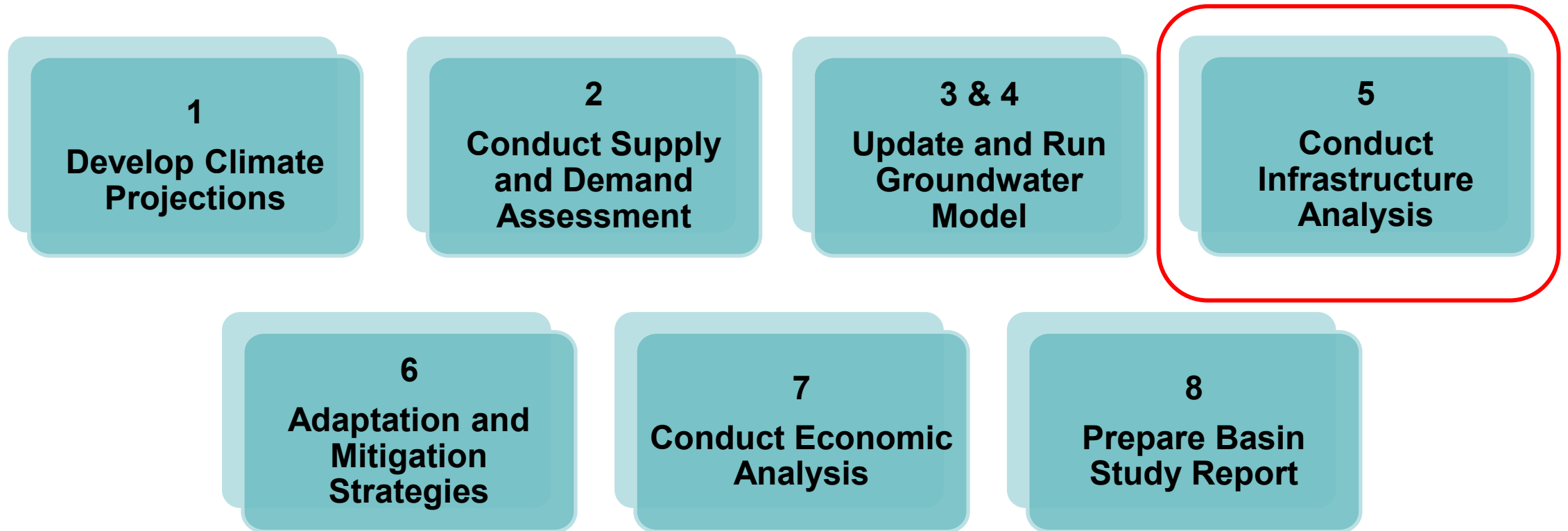
# Supply and Demand Update



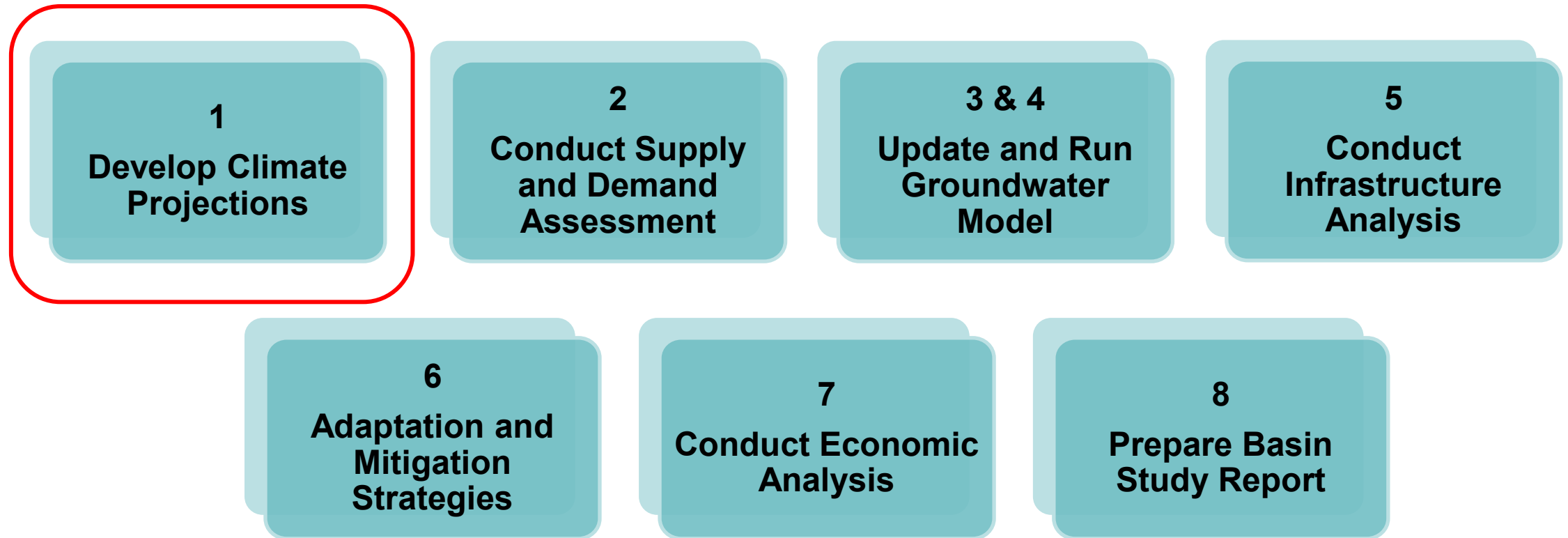
# Budget Update

		Original Budget			Amendment 1 - Budge		
Study Tasks		Original Local Costs Share Commitment	Original Reclamation Commitment	Original Total	Local Cost Share	Reclamation Cost Share	Total
5.1	Develop Climate Projections	\$ 30,000	\$ 70,000	\$ 100,000	\$ 40,000	\$ 100,000	\$ 140,000
5.2	Conduct Supply and Demand Assessment	\$ 160,000	\$ 40,000	\$ 200,000	\$ 250,000	\$ 60,000	\$ 310,000
5.3 & 5.4	Update and Run Groundwater Model	\$ 95,000	\$ 265,000	\$ 360,000	\$ 180,000	\$ 300,000	\$ 480,000
5.5	Conduct Infrastructure Analysis	\$ 60,000	\$ 30,000	\$ 90,000	\$ 50,000	\$ 70,000	\$ 120,000
5.6	Adaptation and Mitigation Strategies	\$ 145,000	\$ 65,000	\$ 210,000	\$ 150,000	\$ 100,000	\$ 250,000
5.7	Conduct Economic Analysis	\$ 40,000	\$ 60,000	\$ 100,000	\$ 40,000	\$ 80,000	\$ 120,000
5.8	Prepare Basin Study Report	\$ 50,000	\$ 50,000	\$ 100,000	\$ 70,000	\$ 70,000	\$ 140,000
5.9 - 5.12	Project Management / Administration	\$ 100,000	\$ 100,000	\$ 200,000	\$ 150,000	\$ 150,000	\$ 300,000
<b>Total</b>		\$ 680,000	\$ 680,000	\$ 1,360,000	\$ 930,000	\$ 930,000	\$ 1,860,000

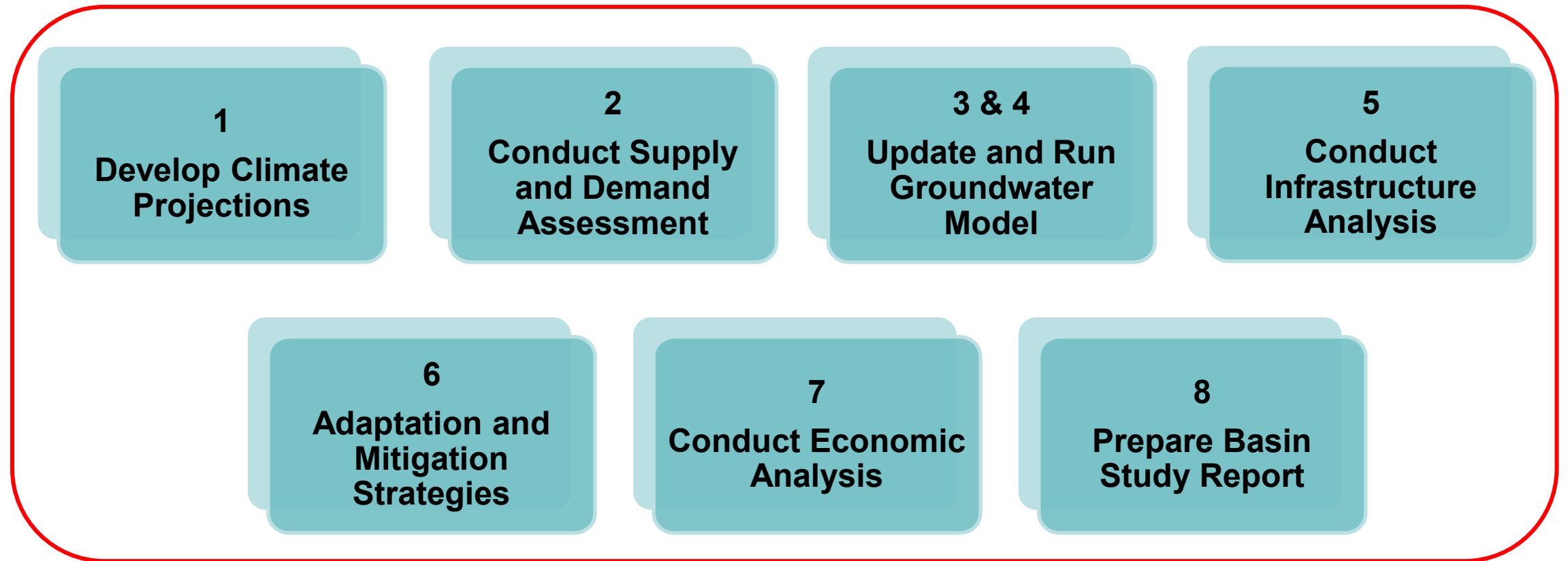
# Infrastructure Analysis Update



# Climate Change Update

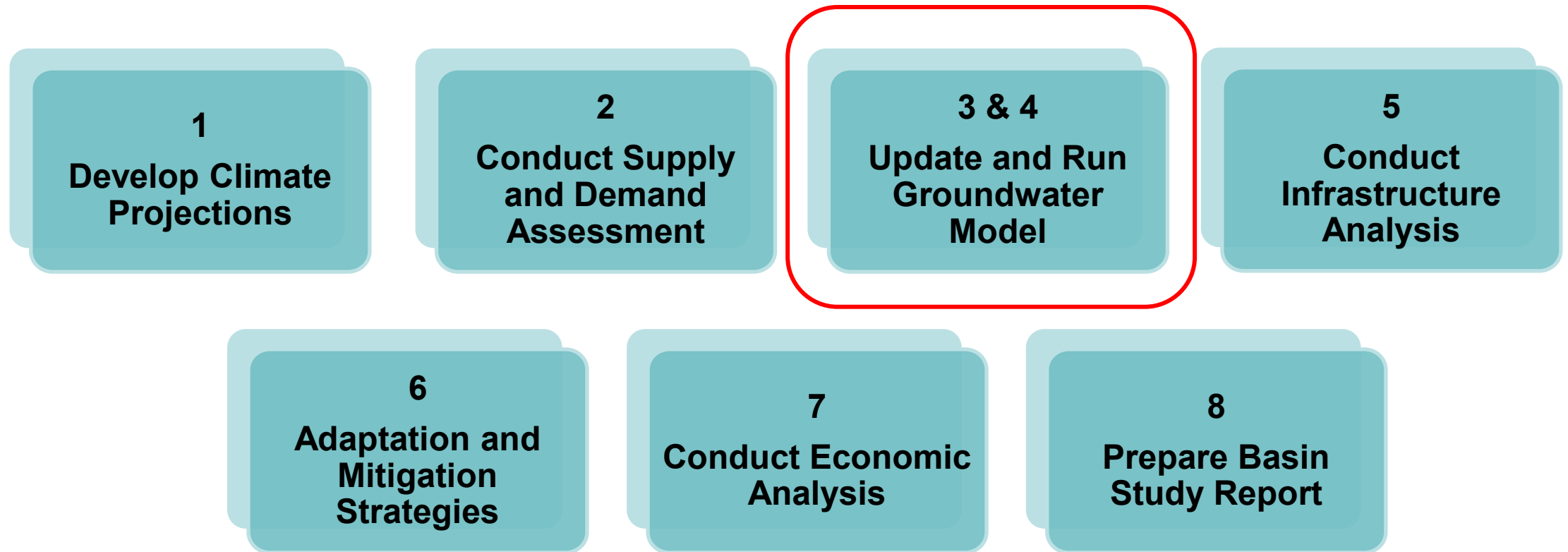


# Other Updates





# Groundwater Model



## Basin Study Modeling

## ADWR Pinal Model

- Planning tool

- Multiple scenarios representing a range of future conditions

- 43 year simulation period (2018 - 2060)

- Spatial and temporal variation in demand

- Provide projections of future water supply and demand

- Use ADWR's 2019 Pinal Model as base GW model

- Policy evaluation

- 2019 AWS run represents a single regulatory use of the model

- 100 year simulation period (2016 - 2115)

- Considers only current and committed demand

# Next Meetings

- Going Forward Standard Meeting Time to include:
  - Infrastructure
  - Groundwater
  - Project Team
- Potential – Second Tuesday Mornings
  - 10/13/20