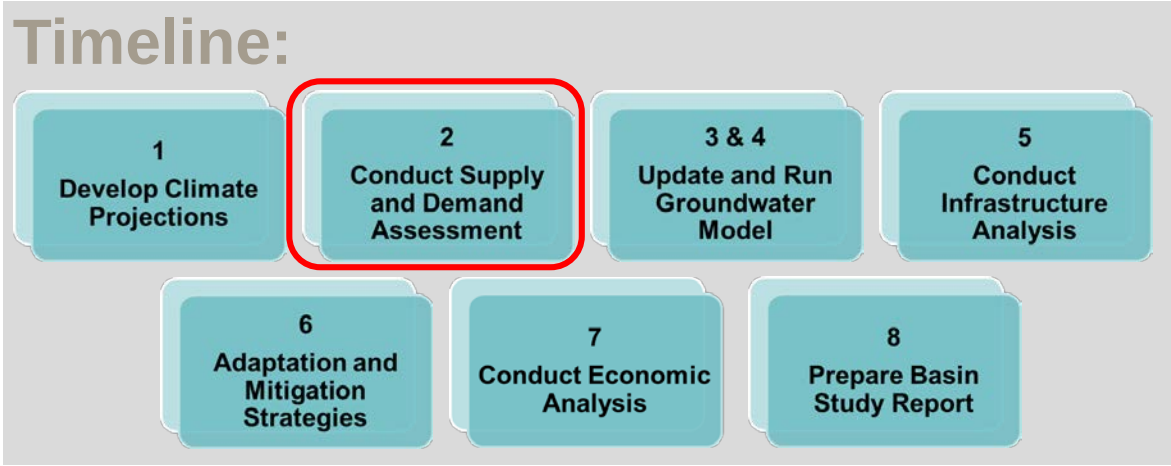
Goals of Today's Meeting

- Scenario Activity
  - Review
  - Present Results
  - Discuss Trends
- Select "Official" Modeling Scenarios
  - ~ 5 - 6
- Next Steps
  - "Under the hood" work with folks to refine some model components
  - Detailed model run results
  - Handoff of results to the groundwater model



Eloy and Maricopa-Stanfield Basin Study

Scenario Selection Activity - Review

- July 16, 2019
- Consisted of choosing an option from each of the seven categories to produce a desired scenario

Agricultural

Pumping
- Fully replaces
- Partially replaces
- Limited to current/planned

Irrigation Efficiency
- Rapid
- Steady (i.e. current)
- Slow

Agricultural / Municipal

Development
- Preference for on Ag
- No preference
- Preserve Ag (bare desert)

Municipal

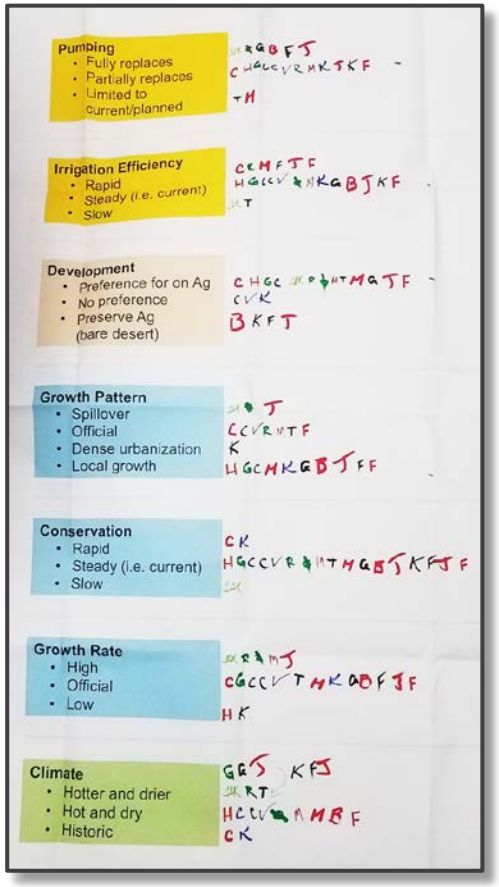
Growth Pattern
- Spillover
- Official
- Dense urbanization
- Local growth

Conservation
- Rapid
- Steady (i.e. current)
- Slow

Growth Rate
- High
- Official
- Low

Climate

Climate
- Hotter and drier
- Hot and dry
- Historic



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Scenario Selection Activity - Results

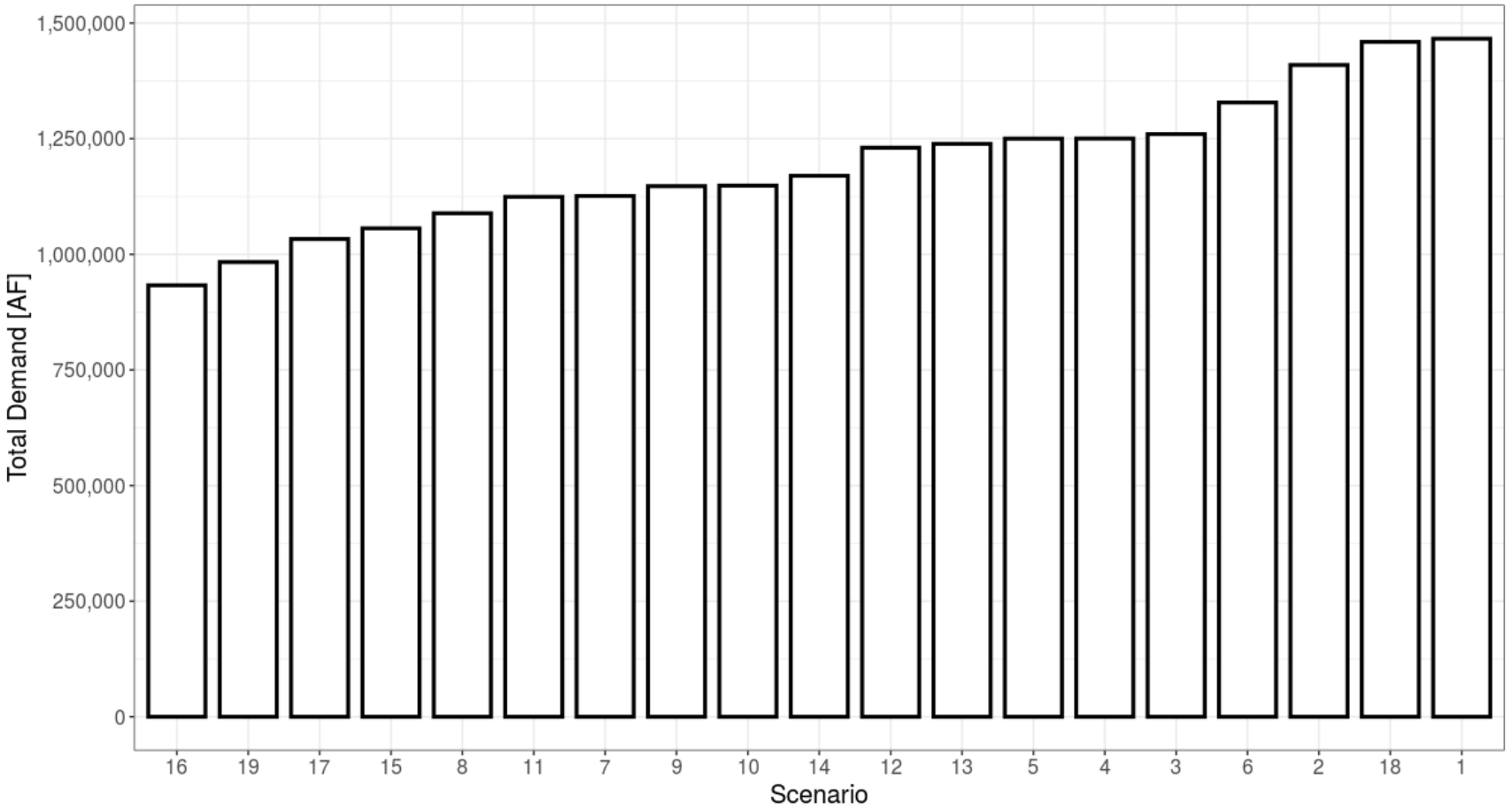
- Activity Participation:
  - 20 Total Participants
  - 17 Unique Scenarios
  - 3 Duplicate Scenarios

Scenario Selection Activity - Results

An Interactive Way to Visualize Activity Results

Scenario Selection Activity - Results

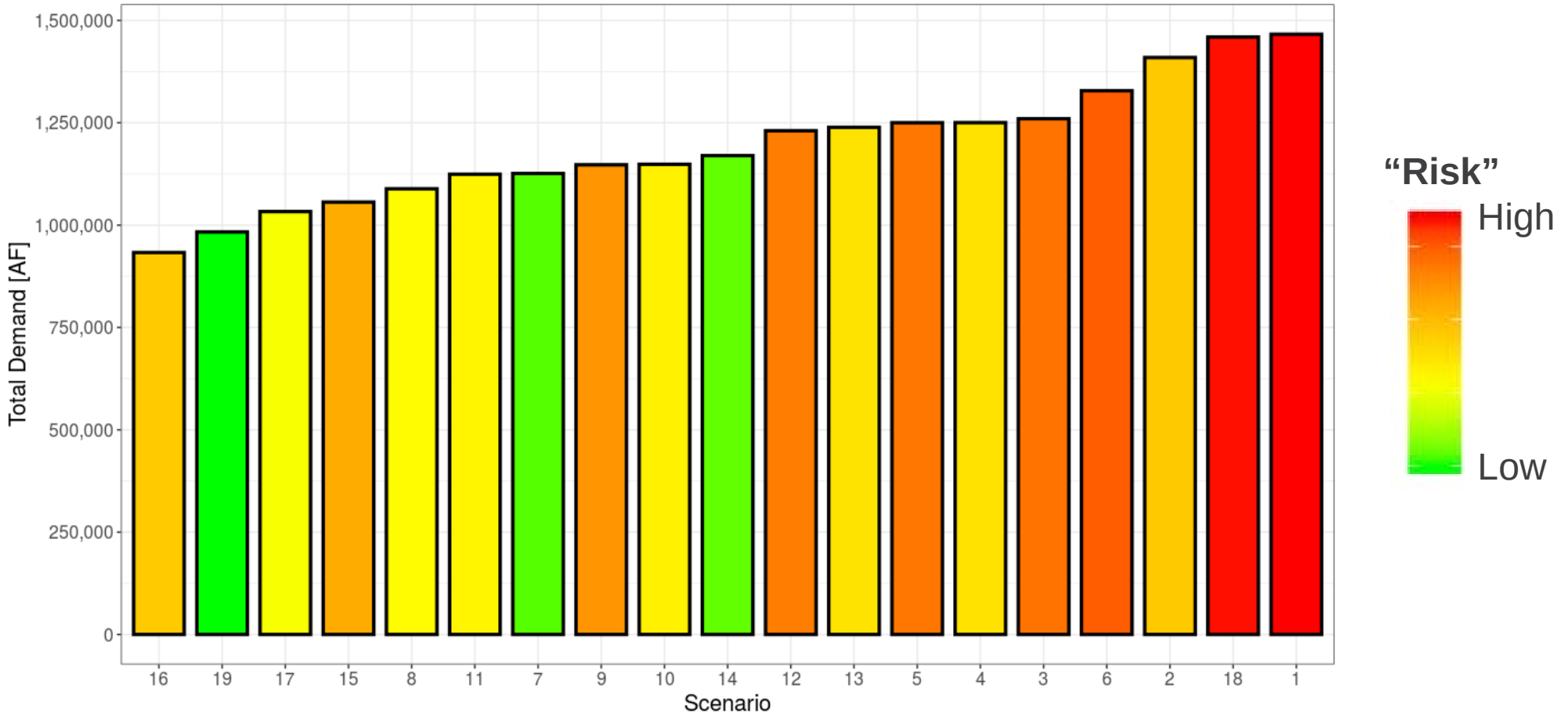
- Demand Ranges from 933,000 to 1,466,000 AF



Eloy and Maricopa-Stanfield Basin Study

Scenario Selection Activity - Results

- Demand Ranges from 933,000 to 1,466,000 AF



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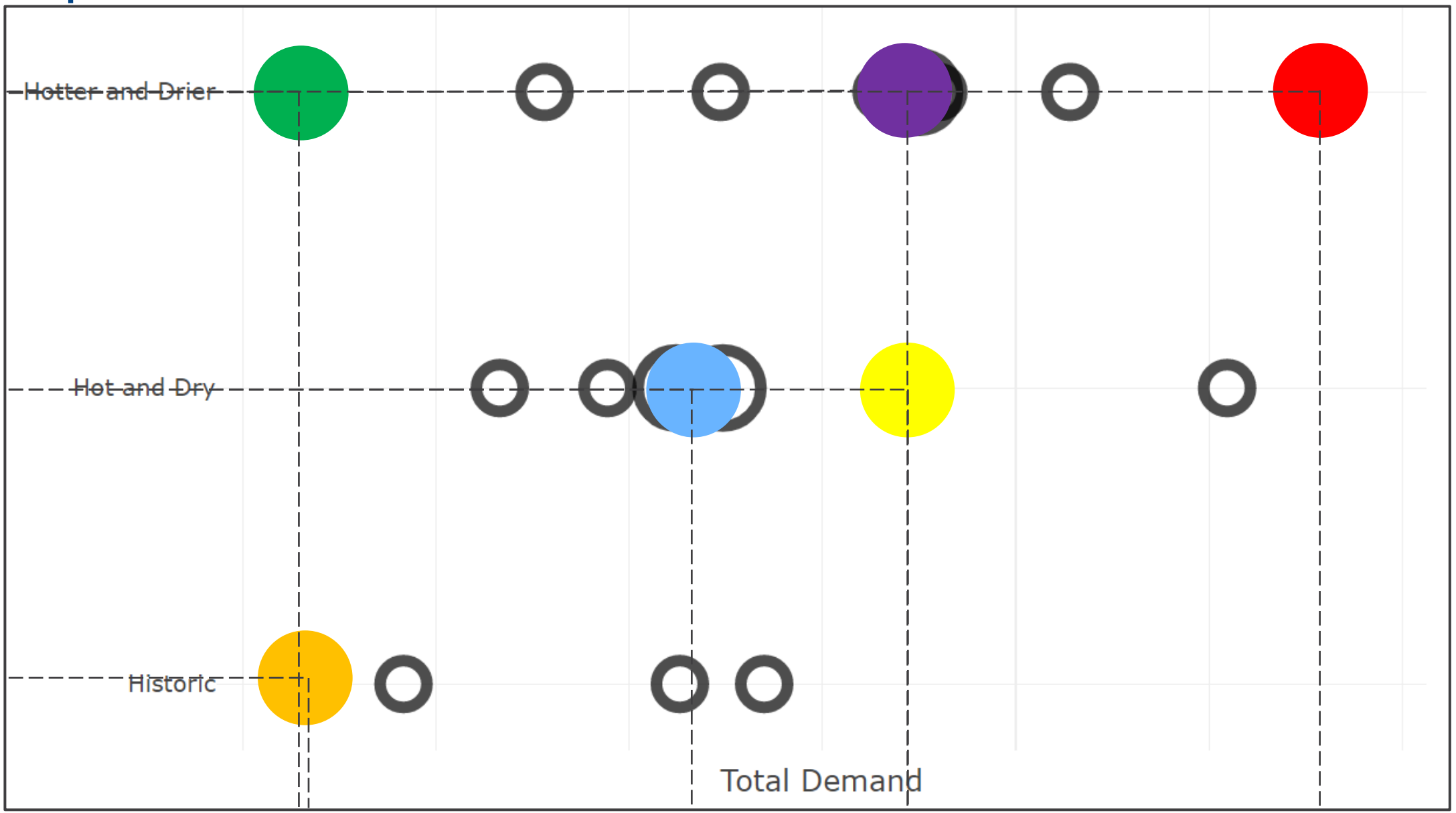
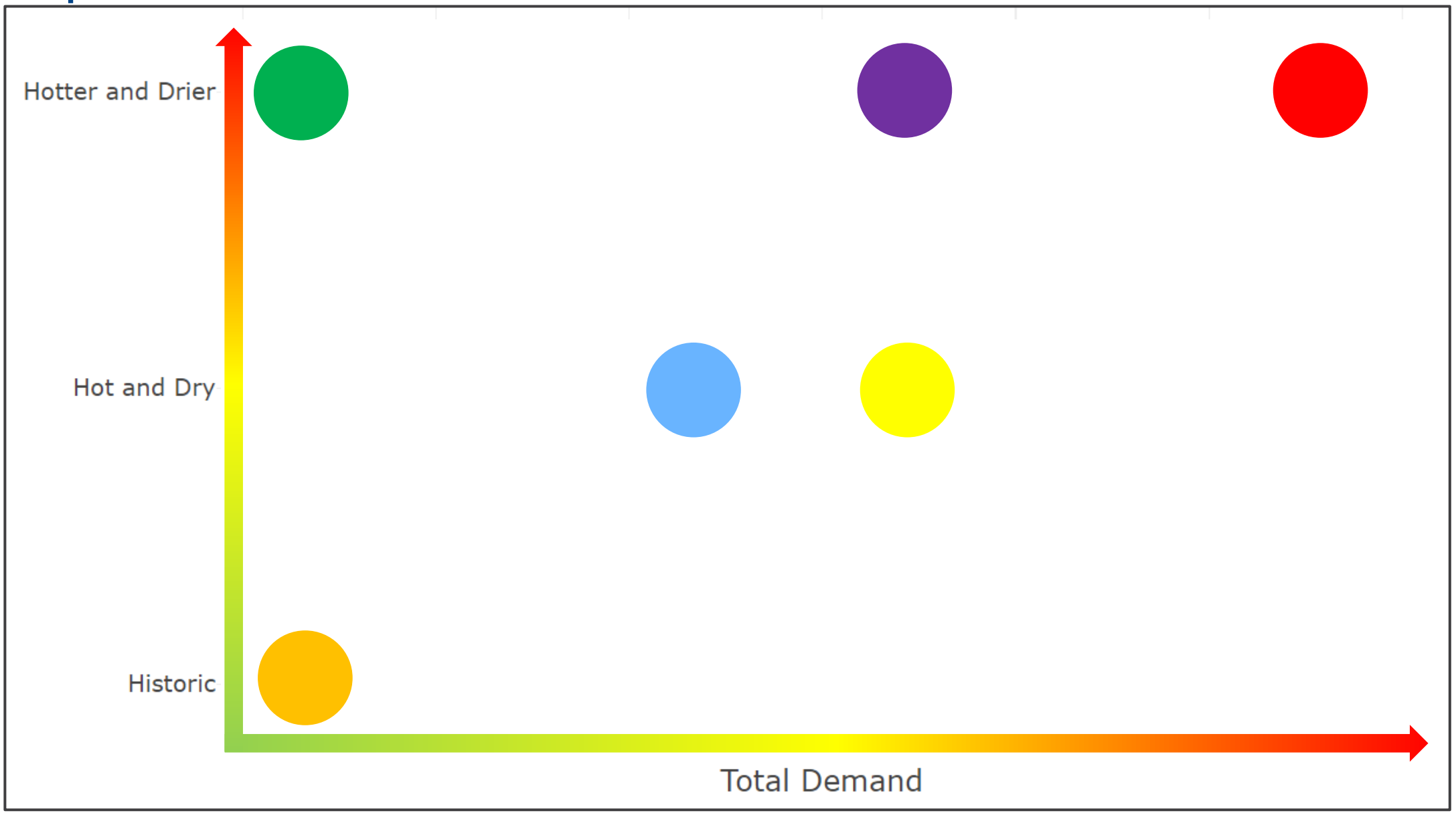
Proposed Scenarios



Proposed Scenarios



Six Proposed Scenarios:

Color	Climate	Growth Rate	Growth Spatial Pattern	Pumping - Agriculture
Red	Hotter and Drier	High	Spillover	Fully Replaces
Purple	Hotter and Drier	Official	Local	Fully Replaces
Yellow	Hot and Dry	Official	Official	Fully Replaces
Blue	Hot and Dry	Official	Official	Partially Replaces
Green	Hotter and Drier	Slow	Dense Urbanization	Limited
Orange	Historic	Slow	Dense Urbanization	Limited

Comparisons

Supply and Demand - Next Steps

- Continue to work with basin study members to refine modeling
- Continue with modeling effort and provide detailed results
- Handoff modeling results to the groundwater modelers