

# Colorado River Water Users Association

## Targeting Augmentation

### *Basin States Augmentation Work Group*

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# Targeting Augmentation

## Augmentation Work Group Background

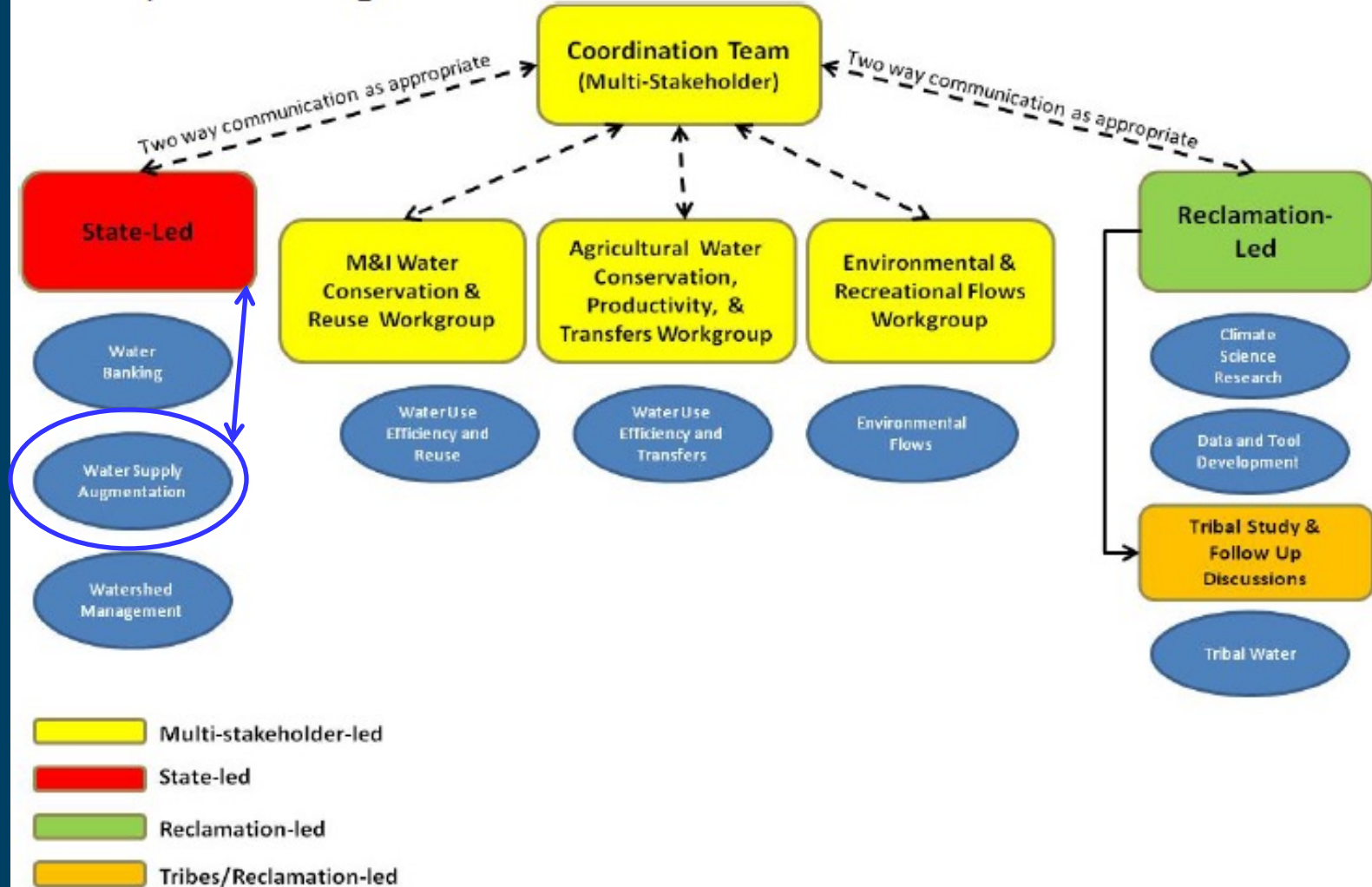
- The “Next Steps” of the Colorado River Basin Water Supply and Demand Study (Basin Study) indicated the need to identify and define feasibility level studies for large-scale augmentation projects
- Basin Study also identified the need to review scopes of work and develop funding and cost share for the feasibility level studies
- The Basin States established a work group to explore augmentation alternatives
- **Historical Note:** Sections 202 and 203 of the 1968 Colorado Basin Project Act describe augmenting the water supply of the Colorado River and importation from sources outside the Colorado River’s natural drainage



# Targeting Augmentation

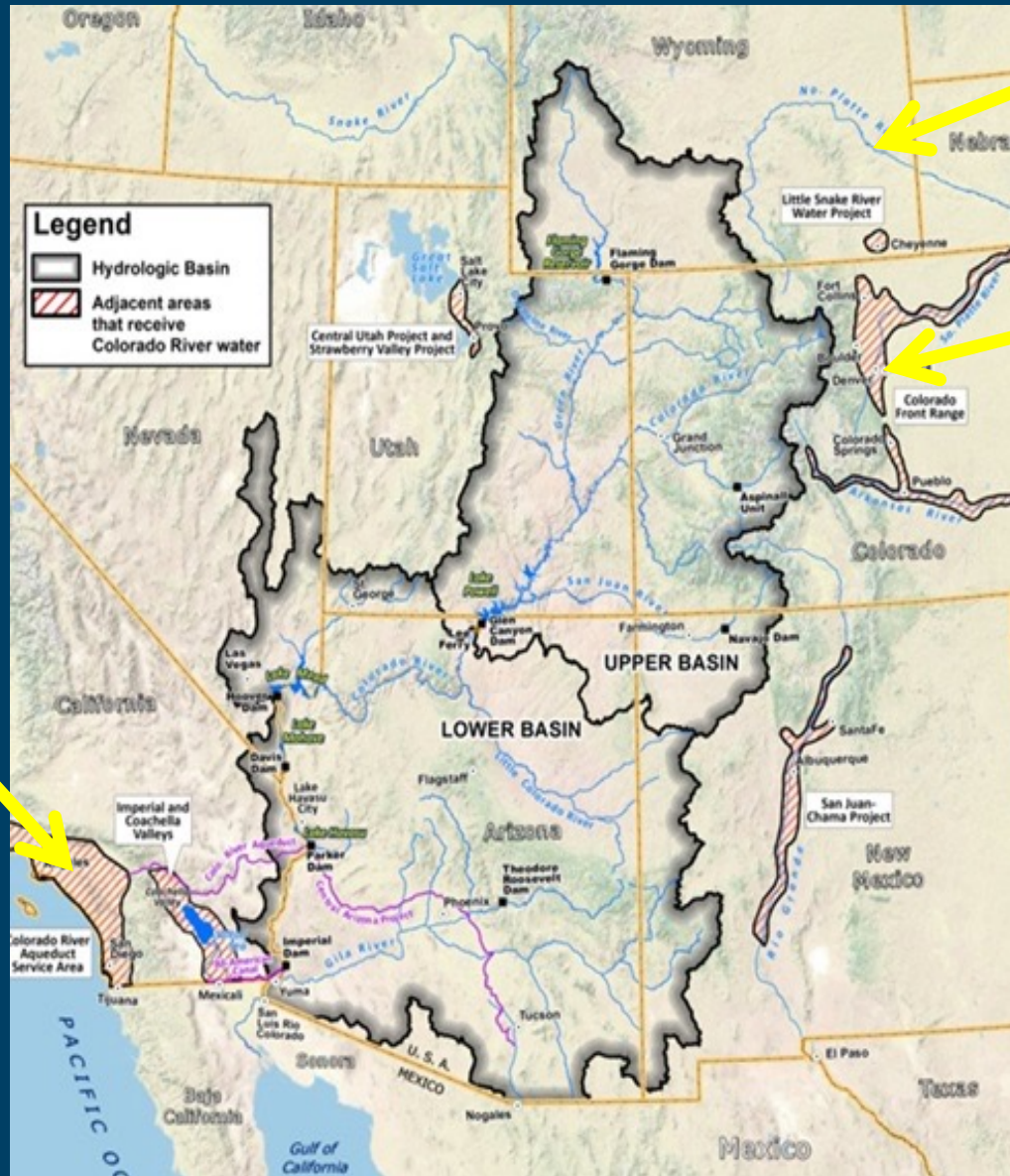
## Augmentation Work Group Background

### Next Steps Process Organizational Structure



# Targeting Augmentation

## Importation Options\*



- Missouri River

- Mississippi River

- Other Options to Supply Water to Southern California (Requires Exchanges)

\*Sources:  
2008 Study of Long-Term Augmentation Options for the Water Supply of the Colorado River Basin States;  
2012 Colorado River Water Supply and Demand Study (Reclamation)





# Targeting Augmentation

## Desalination Options\*



\*Sources:  
2008 Study of Long-Term Augmentation Options for the Water Supply of the Colorado River System (The Seven Colorado River Basin States);  
2012 Colorado River Water Supply and Demand Study (Reclamation)

- Pacific Ocean Desalination  
(Requires Exchange Mechanisms)

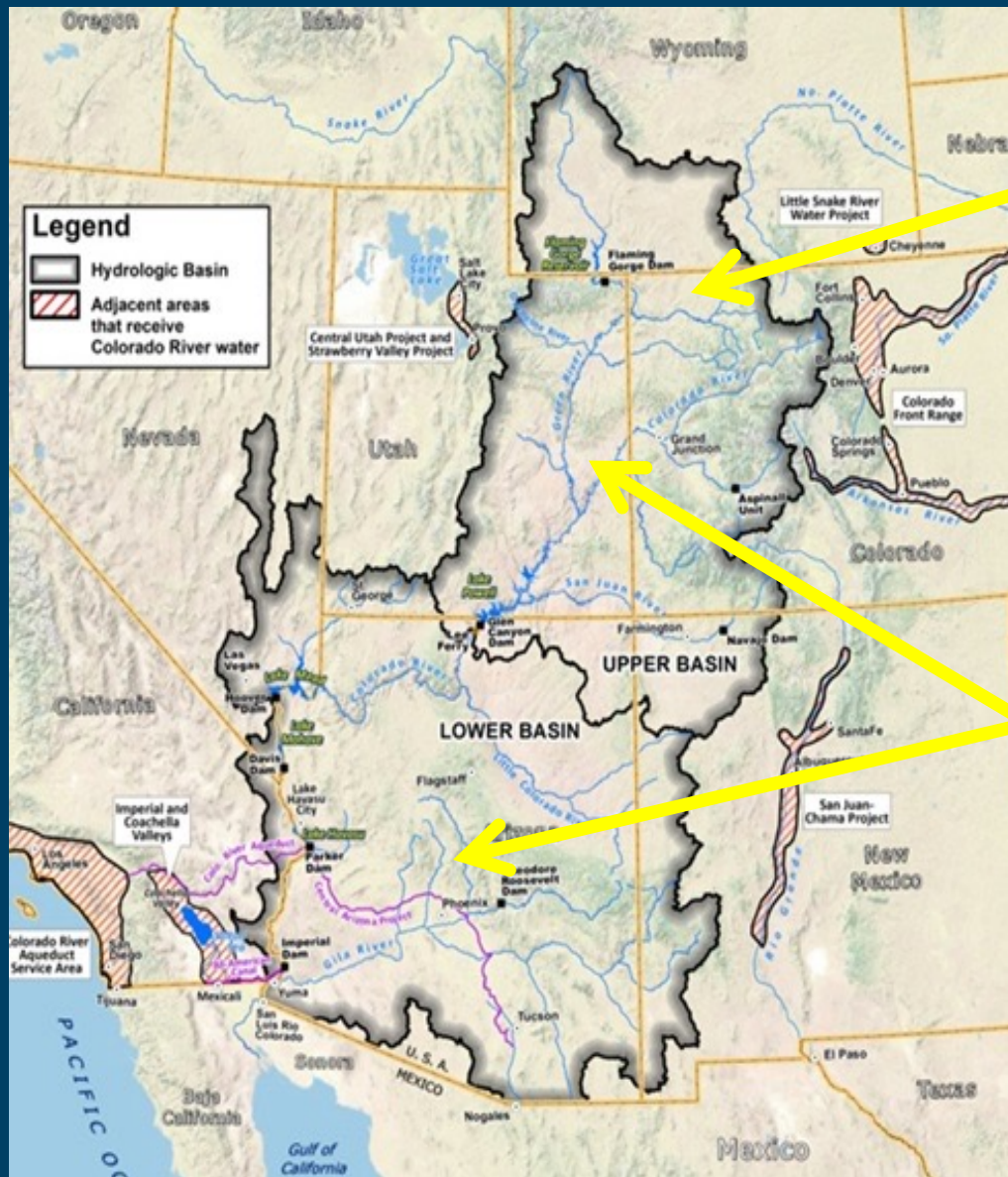
- Salton Sea Drain Water Desalination  
(Requires Exchange Mechanisms)

- Gulf of California Desalination  
(Requires Exchange Mechanisms)

- Yuma Area Brackish Groundwater  
(Requires Exchange Mechanisms)

# Targeting Augmentation

## Local Supply Options\*



- Treatment of Coal Bed Methane Produced Water

- Rain Water Harvesting

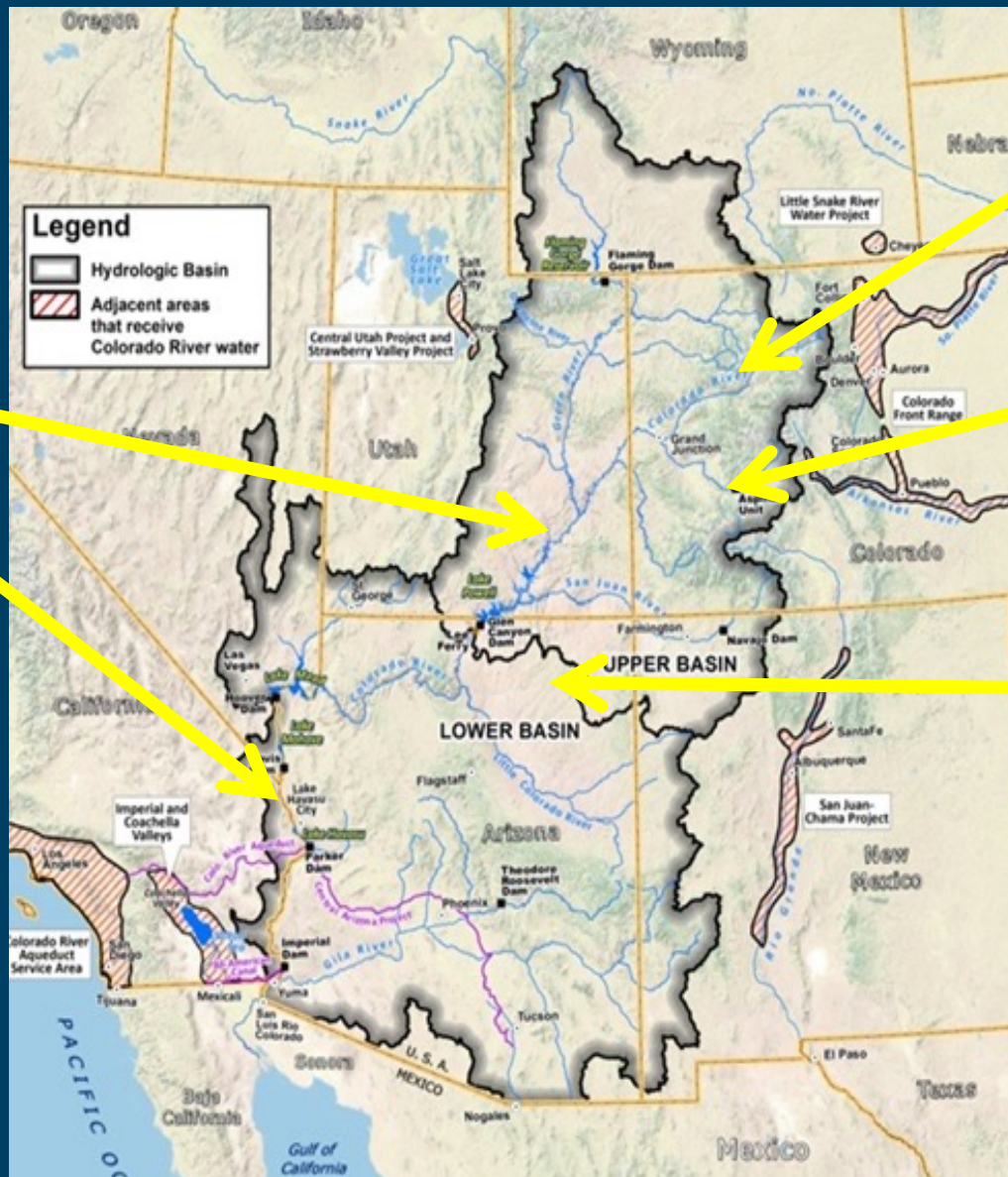
\*Sources:  
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# Targeting Augmentation

## Watershed Management Options



- Weather Modification

- Forest Management

- Dust Control

- Tamarisk Control

\*Sources:  
2008 Study of Long-Term Augmentation Options for the Water Supply of the Colorado River System (The Seven Colorado River Basin States);  
2012 Colorado River Water Supply and Demand Study (Reclamation)

# Targeting Augmentation

## Other Recommended Options\*

\*Source:  
2014 Investigation of  
Collaborative Augmentation  
Opportunities to Improve the  
Reliability in the Colorado River  
Basin  
(Central Arizona Project in  
Cooperation with the  
Metropolitan Water District of  
Southern California and the  
Southern Nevada Water  
Authority)



- Reservoir  
Augmentation with  
Reuse Water  
(Requires Exchange  
Mechanisms)

- Pacific Ocean  
Desalination  
(Requires Exchange  
Mechanisms)

- Gulf of California  
Desalination  
(Requires Exchange  
Mechanisms)

- Coachella Valley  
Drain Water Treatment  
- Imperial Valley  
Drain Water Treatment

- Yuma Area Brackish  
Groundwater  
Treatment



# Targeting Augmentation

## Augmentation Work Group Update

- Two Co-Chairs: one from the Upper Basin and one from the Lower Basin
- Developing goals, objectives, and ground rules
- Will be sensitive to local jurisdictions
- Near term projects will be incorporated into any larger augmentation plan
- Review previous augmentation options

# QUESTIONS ???

