

# THE WATER RESOURCES DEVELOPMENT COMMISSION

*Analyzing the Demand and Supply  
Imbalance in the State of Arizona*

## BACKGROUND INFORMATION

- *Established by HB 2661 in 2010*
- *Formed following the Statewide Water Advisory Group (SWAG) and the Blue Ribbon Panel*
- *Tasked with assessing Arizona's water demand and supplies to meet demand for the next 25, 50 and 100 years*
- *Designed to answer some very specific questions*

QUESTIONS  
TO BE  
ANSWERED:

- *Does Arizona need additional water supplies?*
- *If so, where will those supplies come from?*
- *What will it take to get water to end users?*
- *Where will funding come from?*



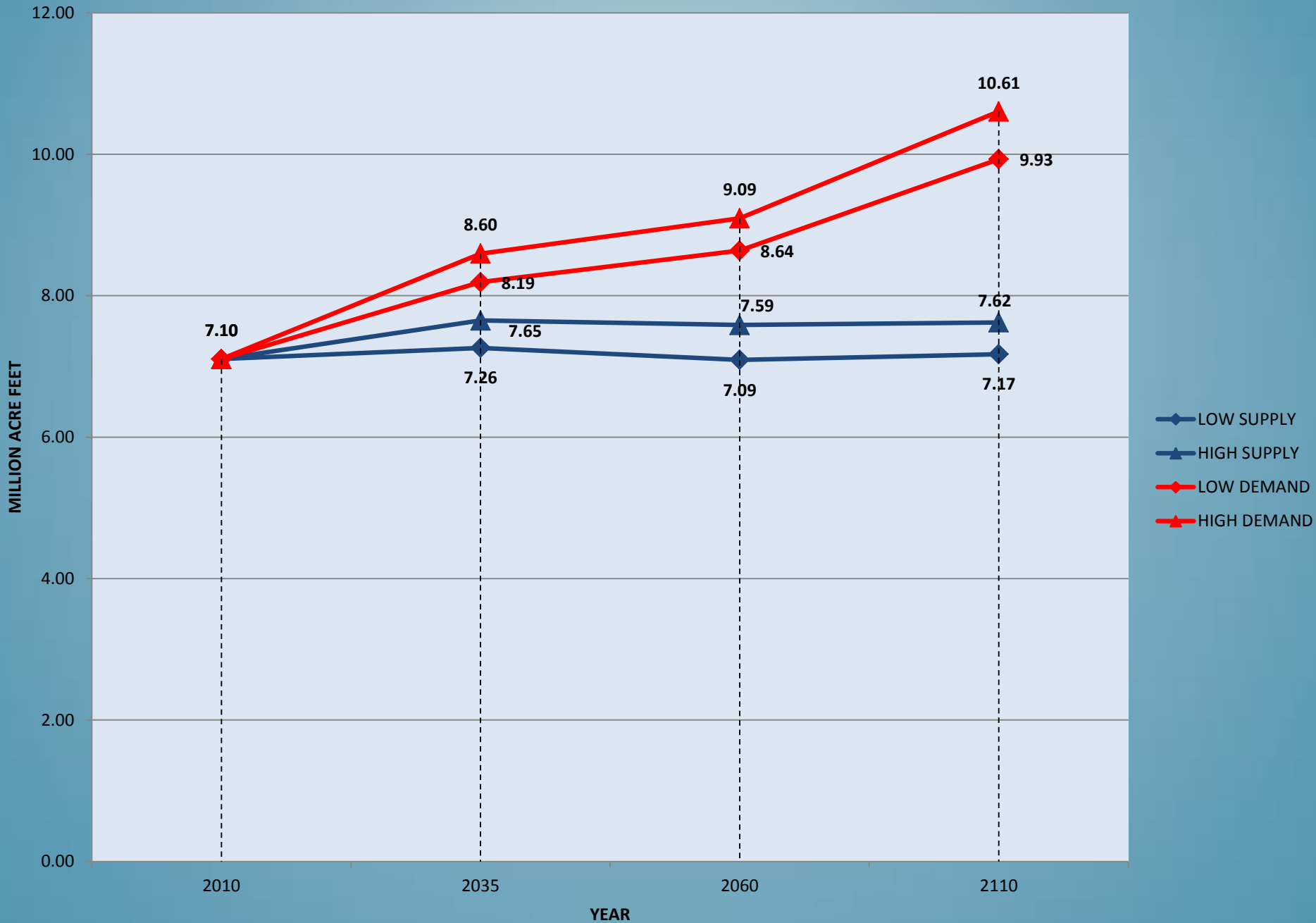
It takes a long time sitting on a stone before it becomes warm.

- Japanese Proverb

DOES ARIZONA  
NEED  
ADDITIONAL  
WATER  
SUPPLIES?

- *Current supply estimated to be approximately 7.1 million acre-feet (MAF)*
- *Total statewide demand projections:*
  - 2035 - 8.19 to 8.60 MAF*
  - 2060 - 8.64 to 9.09 MAF*
  - 2110 - 9.93 to 10.61 MAF*

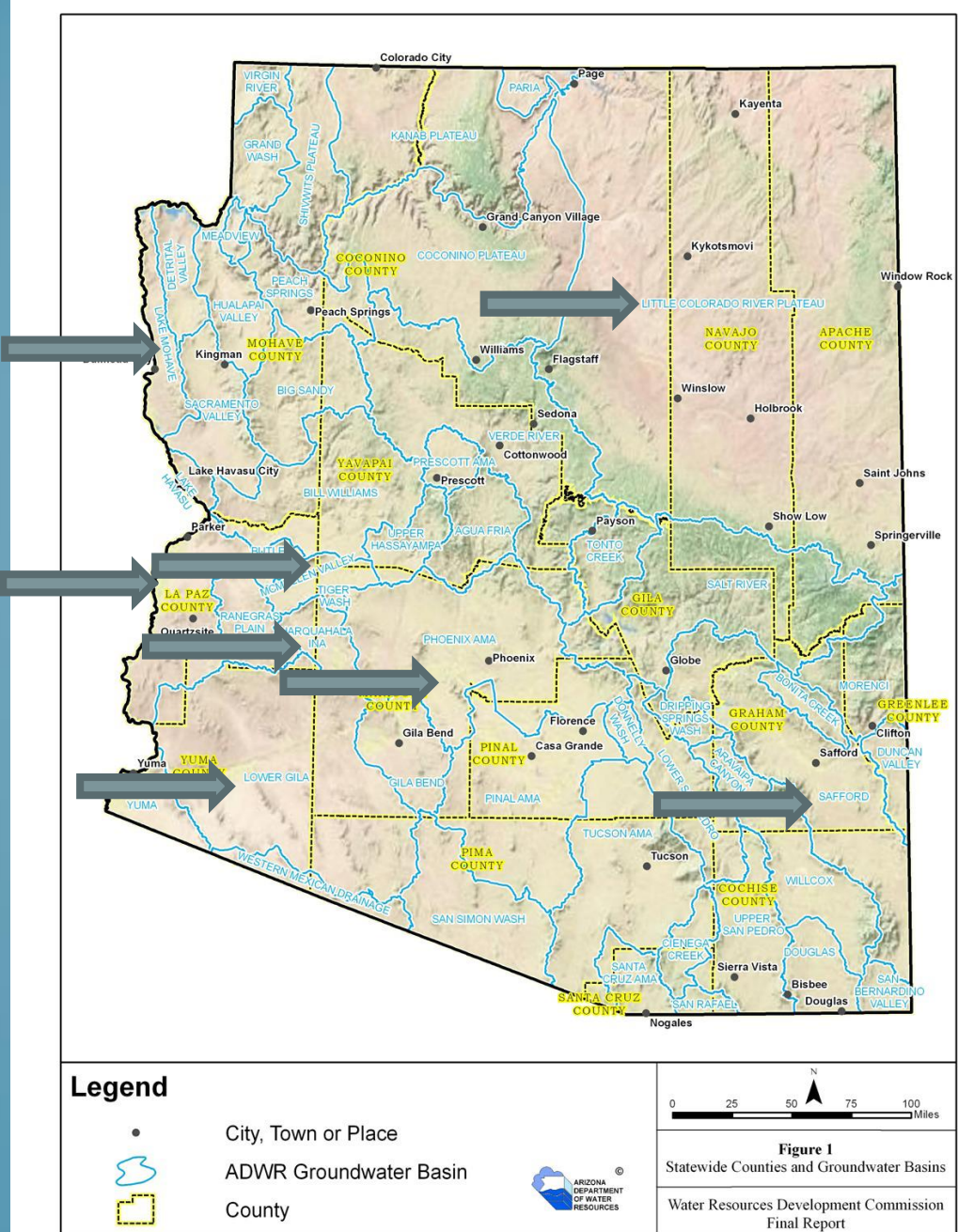
# STATEWIDE PROJECTED WATER DEMAND AND SUPPLY



2035 – 30 out of 51 basins exhibit an imbalance (59%)

2060 – 31 out of 51 basins exhibit an imbalance (61%)

2110 – 37 out of 51 basins exhibit an imbalance (73%)



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CPWAC  
MEMBERS  
AND YEAR  
BASIN  
PROJECTED  
TO BE AT  
IMBALANCE

- **2035** - *Little Colorado River Plateau Basin includes Page, Flagstaff, Hopi Tribe and Navajo Nation*
- **2035** – *Verde River Basin includes Sedona*
- **2035** – *Peach Springs Basin includes Hualapai Tribe*
- **2110** – *Coconino Plateau Basin includes Williams, Grand Canyon, Tusayan, Havasupai Tribe, and part of Hualapai Tribe*



“PROJECTS  
LIST”  
DEVELOPED  
BY WRDC  
PARTICIPANTS

- *Not intended to be a comprehensive list, but developed to illustrate the scale, magnitude and timing of the types of projects statewide*
- *Requested entities to submit conceptual or anticipated water supply development projects over next 50 years*
- *Individual projects ranged from \$1 million to more than \$1 billion with time frames from 1 to 50 years*
- *Total projects submitted in excess of \$3 billion; \$1.3 billion inside AMAs, \$1.8 billion outside*

# PROJECTS SUBMITTED BY CPWAC PARTICIPANTS

## ***Colorado River from Lake Powell to Flagstaff and the Verde Basin***

*Preliminary cost estimate was \$1.2 billion for 78,000 AF with time frame of 20 to 50 years.*

## ***Southwestern Navajo Rural Water Supply Study***

*Preliminary cost estimate not provided for 2,000-9,000 AF*

## ***Groundwater Importation from Red Gap Ranch to Flagstaff***

*Preliminary cost estimate was \$266 million for 12,000 AF with a time frame of 10 to 15 years.*

## ***San Juan River to Kayenta***

*Preliminary cost estimate was \$135 million for 2,436 AF with a time frame of 50 years.*



Questions?  
Comments?  
Observations?

