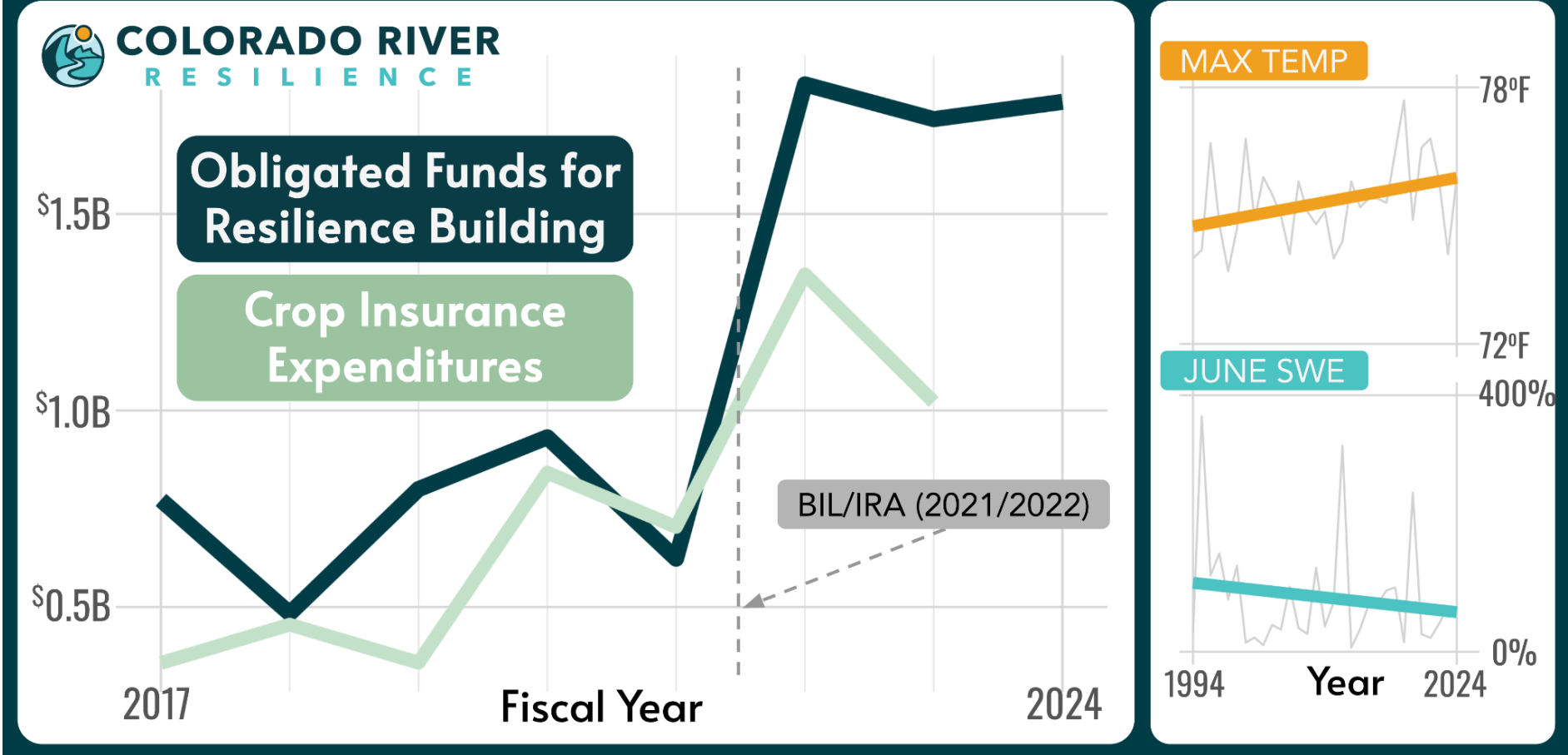


# Investing in Colorado River Basin Resilience



**Figure I.** Obligated funds for resilience building (blue); crop insurance expenditures (light green); maximum annual temperature (orange); June snow water equivalent (SWE) basin index (BI) (light blue).

## DATA DESCRIPTIONS & SOURCES

### Obligated Funds\*

Total obligated funds by fiscal year towards awards within federal programs building resilience.

Data Source: [usaspending.gov](https://usaspending.gov)

### Crop Insurance Expenditures\*

Total yearly insurance expenditures for crop losses aggregated from county level information.

Data Source: [USDA, Risk Management Agency](https://www.usda.gov/ARS/RSR/2018/01/01/USDA-Risk-Management-Agency-State-County-Crop-Coverage-Level-1989-Present) State/County/Crop/Coverage Level 1989 - Present

### Temperature

Yearly maximum temperature data for 1994 - 2024 in the Colorado River Basin and corresponding linear model fit with a resulting slope of  $+1.79e^{-4}$  °F/year.

Regional maximum temperatures for all months in a 12-month time scale in the Lower and Upper Colorado regions.

Data Source: [NOAA, National Centers for Environmental Information](https://www.noaa.gov/data/monitoring-assessments/temperature) Maximum Temperature

### June Snow Water Equivalent (SWE) Basin Index (BI)

June 1st SWE BI data for 1994 - 2024 in the Upper Colorado Region and corresponding linear model fit with a resulting slope of  $-2.32$  SWE BI %/year.

The June 1st SWE Basin Index was calculated as the percent of normal (i.e., historical average or median) for the standard period of 1991 - 2020. The SWE BI is a useful indicator of the amount of snow that is typical for a SNOTEL site or a specific watershed.

Data Source: [USDA, Natural Conservation Services](https://www.usda.gov/ARS/RSR/2018/01/01/USDA-Natural-Conservation-Services-SWE-in-Upper-Colorado-Region) SWE in Upper Colorado Region

\*Data gathered for congressional districts that intersect Colorado River Basin hydrologic boundaries and serviced areas: AZ-01, AZ-02, AZ-03, AZ-04, AZ-05, AZ-06, AZ-07, AZ-08, AZ-09, CA-02, CA-23, CA-25, CA-26, CA-27, CA-28, CA-29, CA-30, CA-31, CA-32, CA-33, CA-34, CA-35, CA-36, CA-37, CA-38, CA-39, CA-40, CA-41, CA-42, CA-43, CA-44, CA-45, CA-46, CA-47, CA-48, CA-49, CA-50, CA-51, CA-52, CO-01, CO-02, CO-03, CO-04, CO-05, CO-06, CO-07, CO-08, NV-01, NV-03, NV-04, NM-01, NM-02, NM-03, UT-01, UT-02, UT-03, UT-04, WY-00