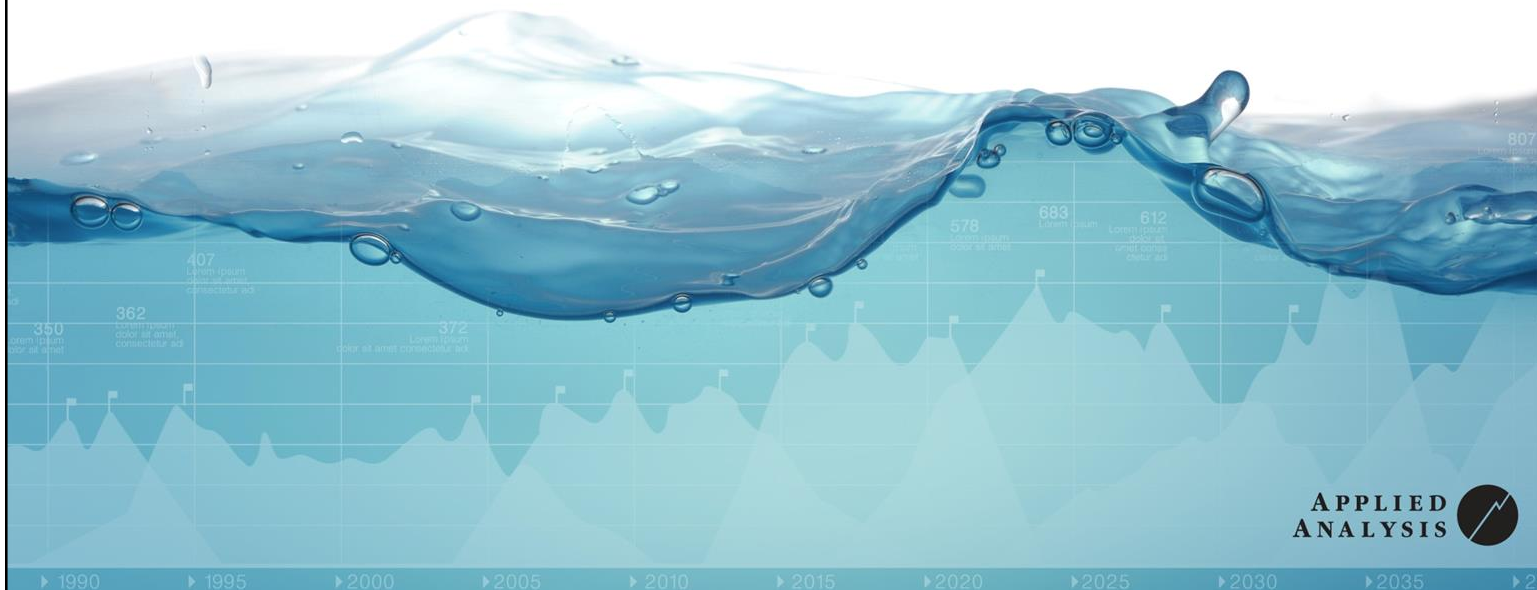


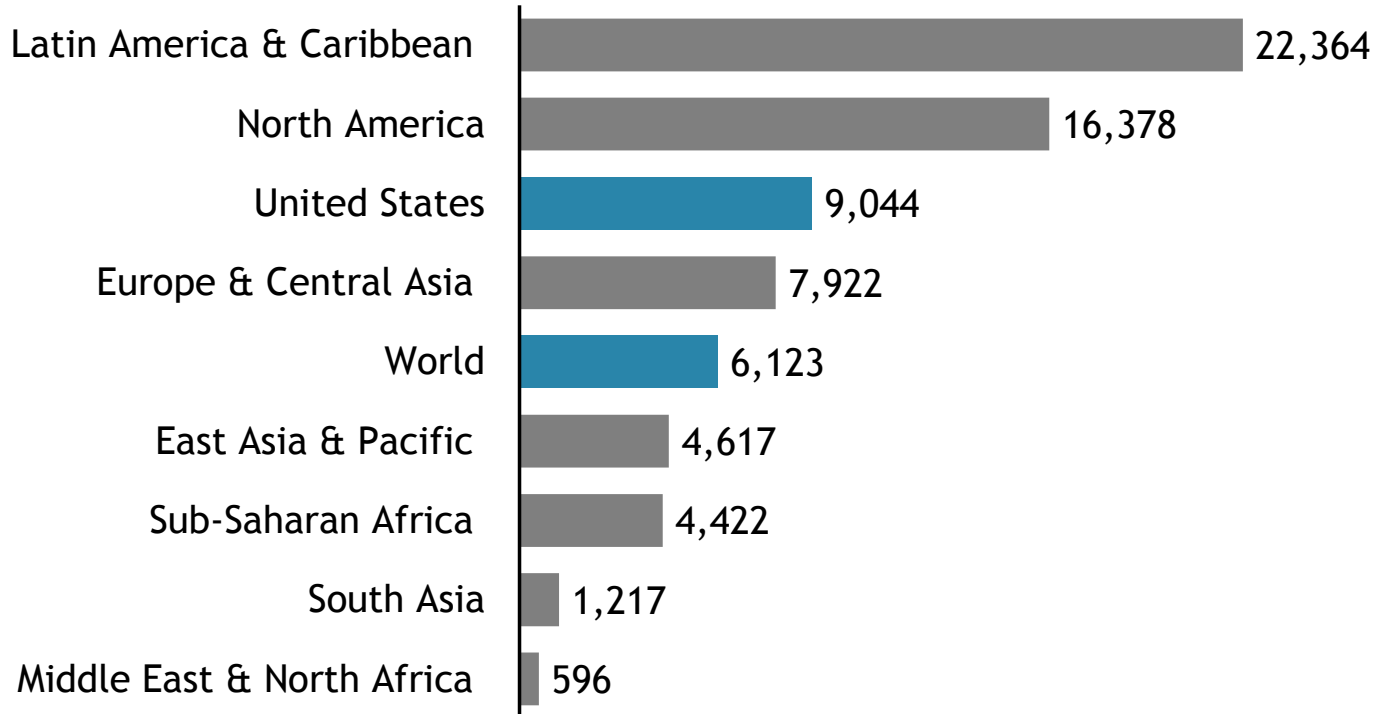
# ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES



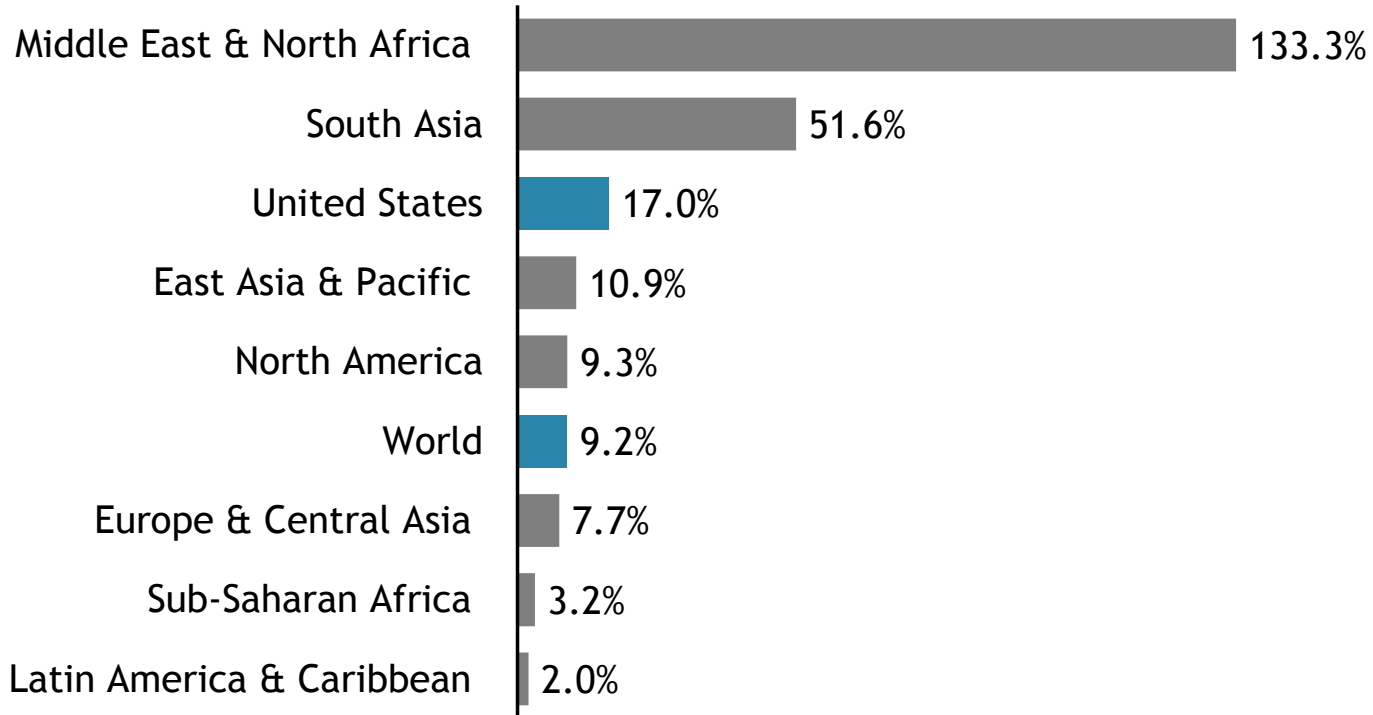


# Water: Global Supply and Demand

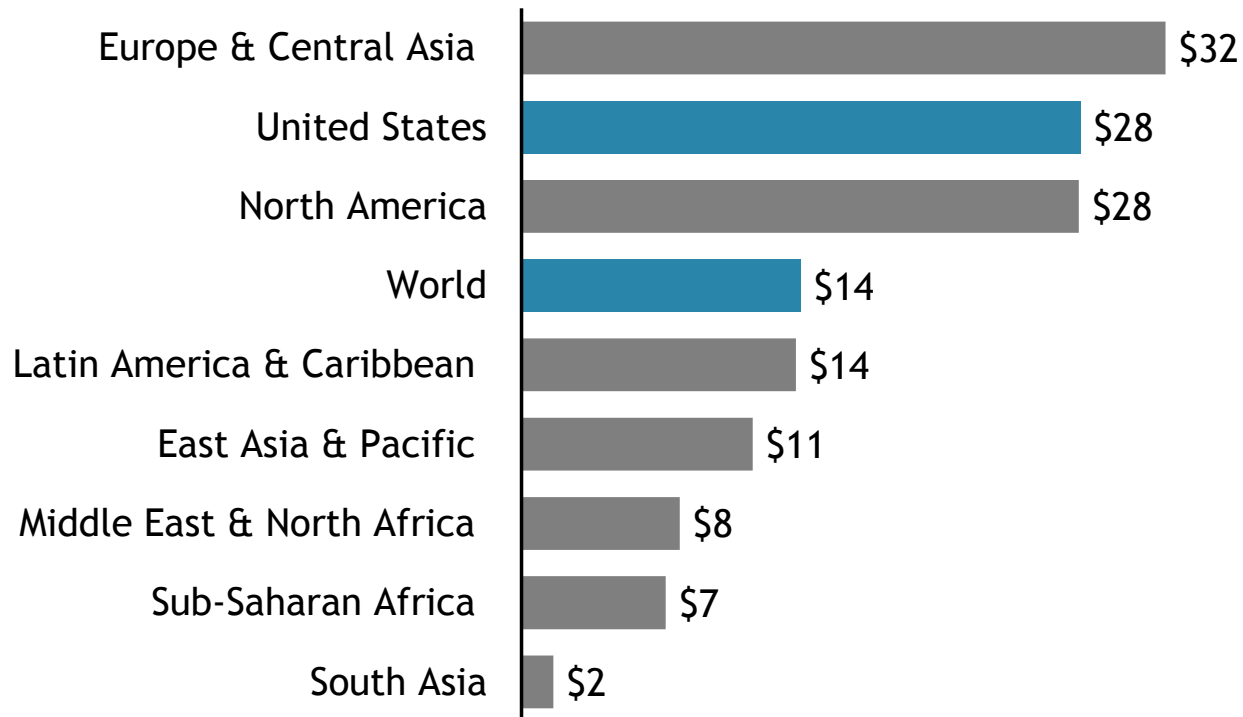
# Renewable Internal Freshwater Supply Per Capita (in Cubic Meters)



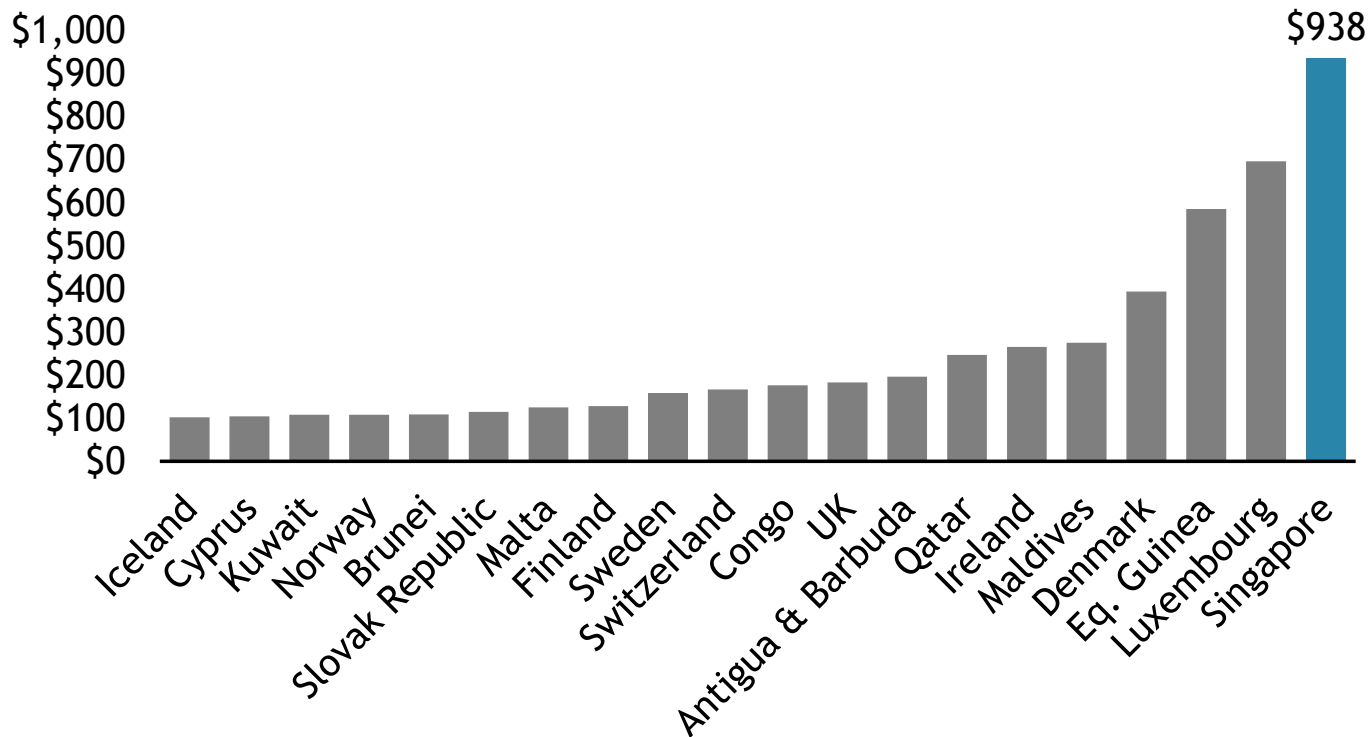
# Annual Freshwater Withdrawals (% of Internal Resources)



# Water Productivity (in GDP Per Cubic Meter of Freshwater)

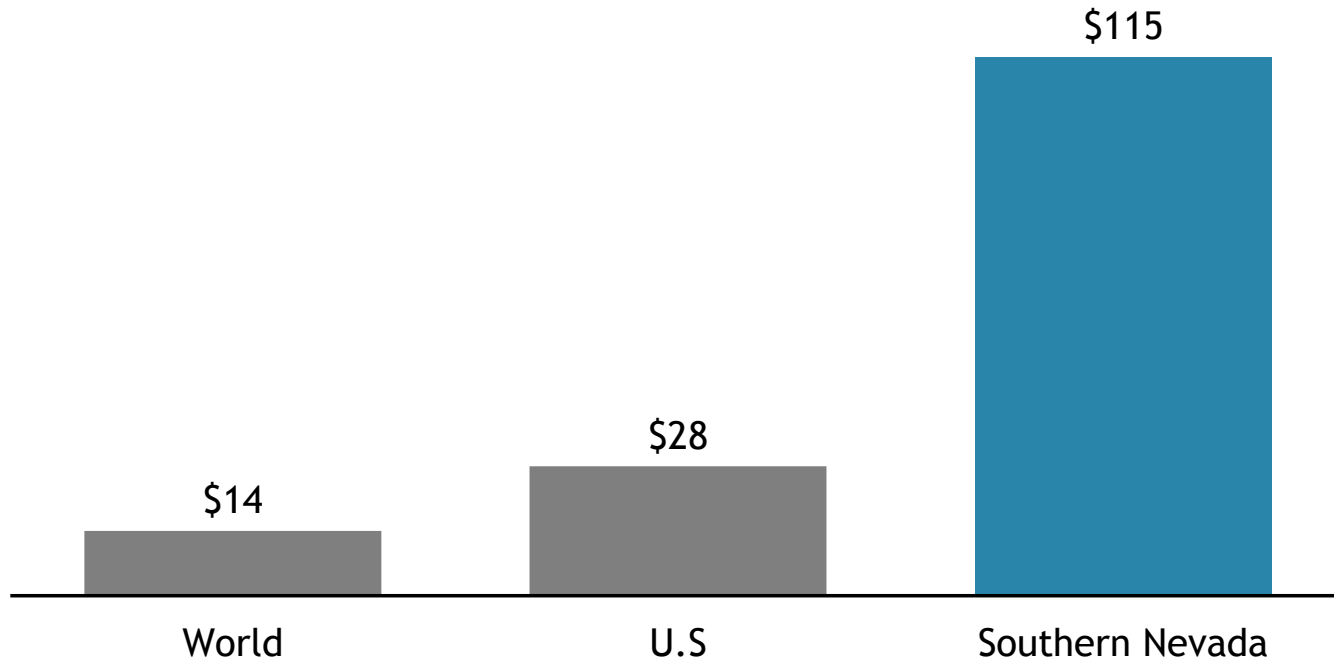


# Water Productivity - Top 20 (in GDP Per Cubic Meter of Freshwater)

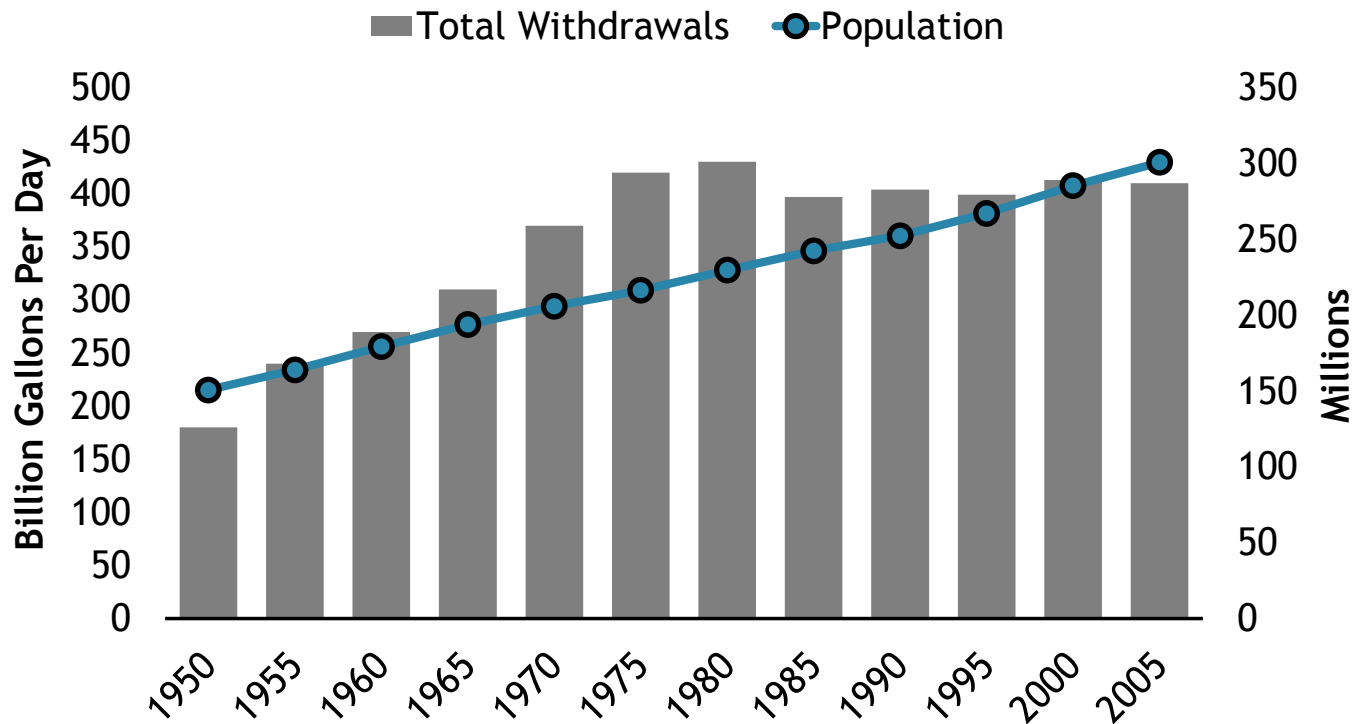




# Water Productivity (in GDP Per Cubic Meter of Freshwater)



# Water Use in the United States 1950-2005\*



\*Most current data available

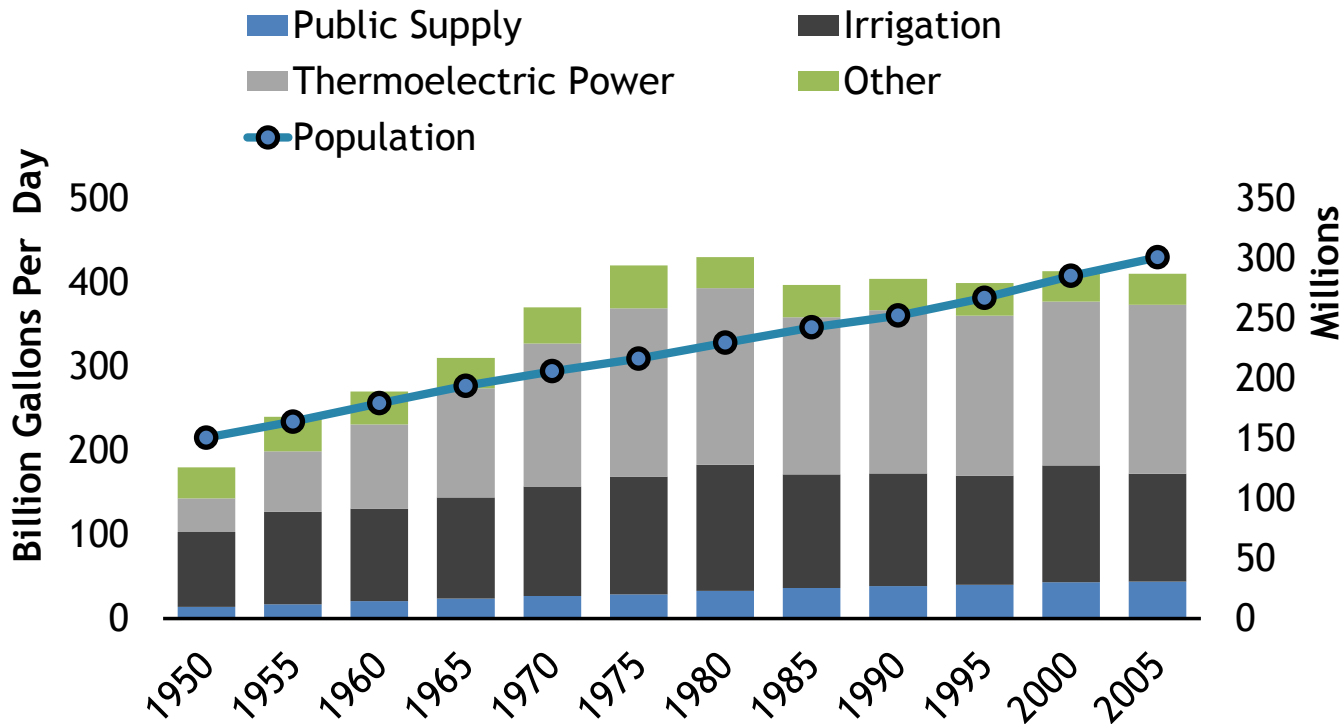


**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**





# Water Use in the United States 1950-2005\*



\*Most current data available

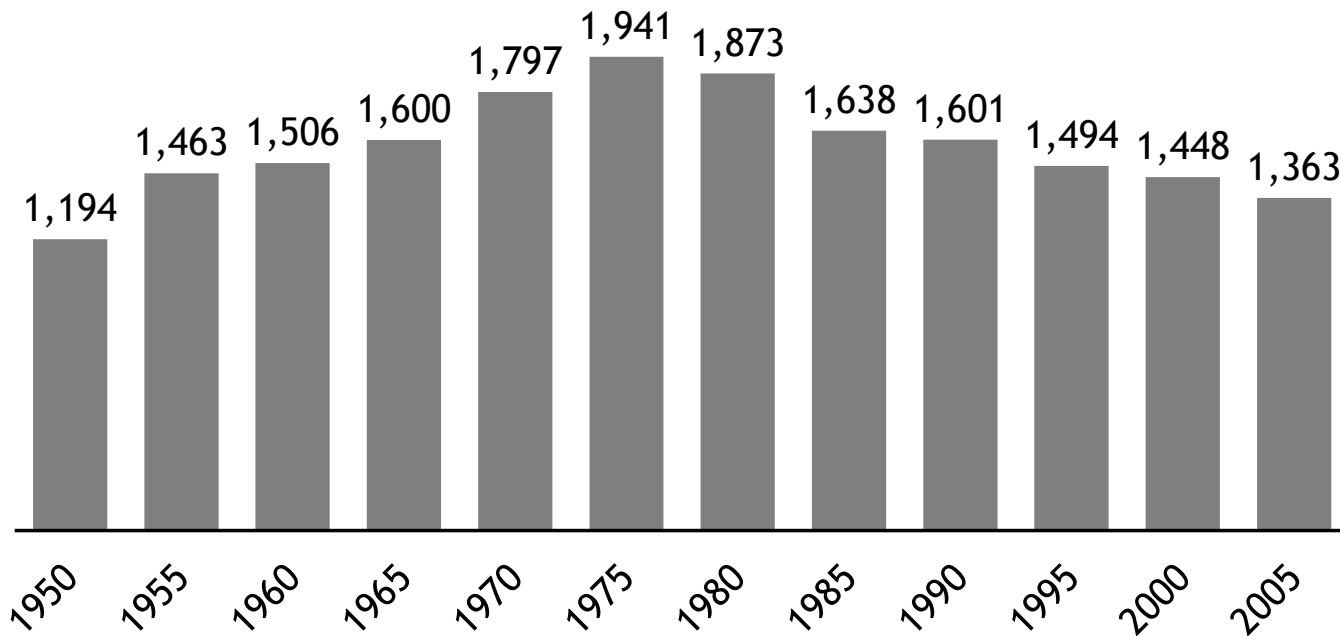


**ECONOMIC IMPACTS OF  
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# Per Capita Water Use (in Gallons) 1950-2005\*



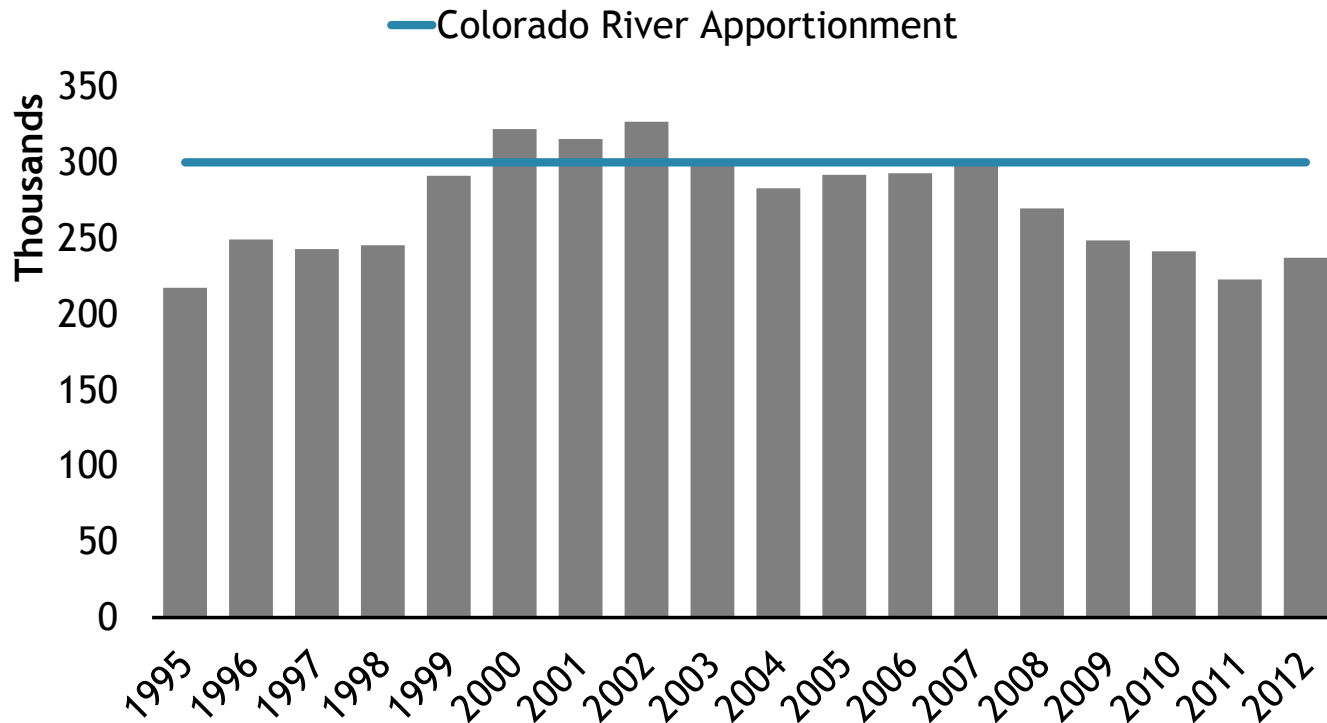
\*Most current data available



**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**



# Nevada Consumptive Water Use (in Acre-Feet)



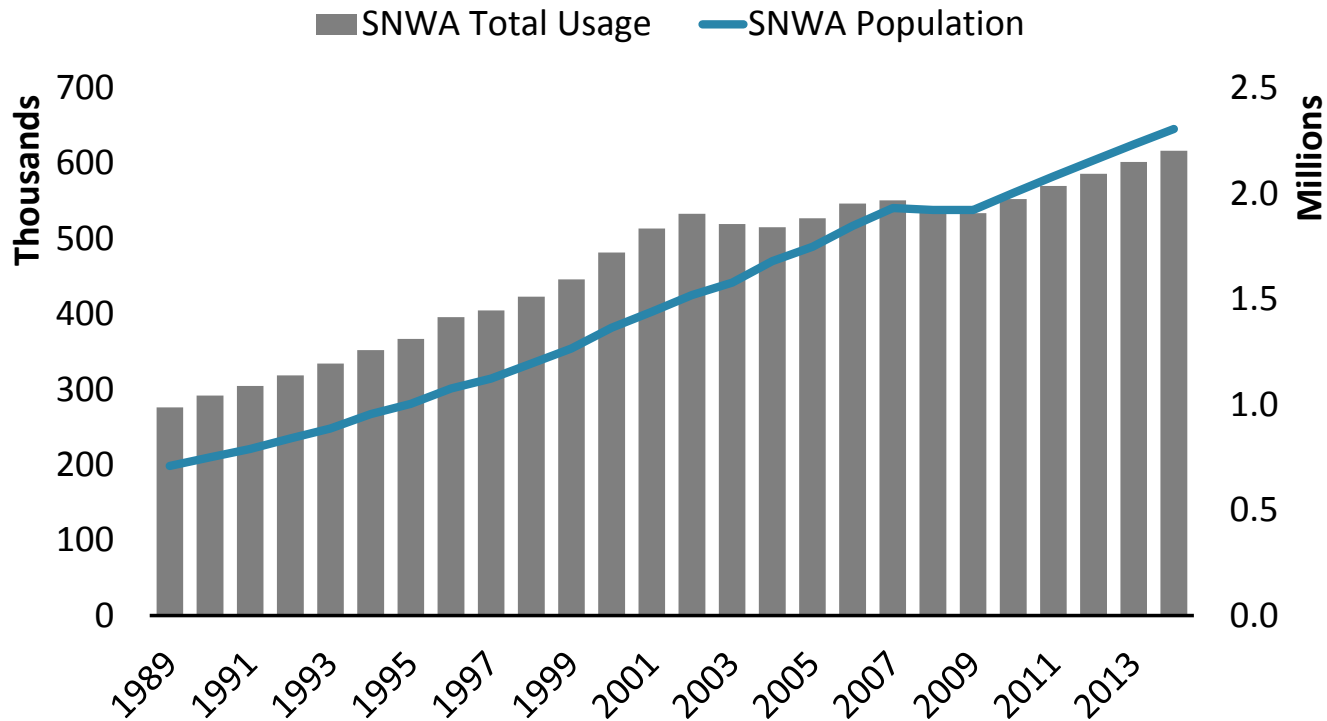
Note: Refers exclusively to Colorado River water usage

$$\begin{array}{r} 300,000 \\ + 200,000 \\ \hline 500,000 \end{array}$$

439,357

237,161

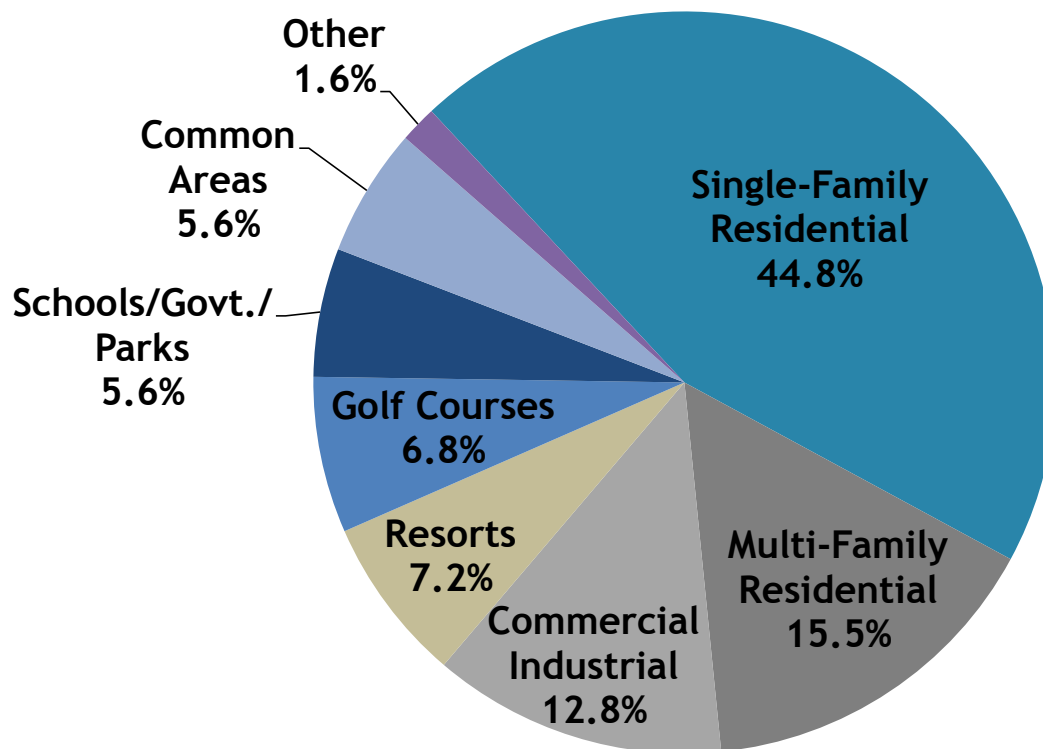
# Southern Nevada Water Use (in Acre-Feet)



Note: Includes all SNWA water sources



# Water Use in Southern Nevada



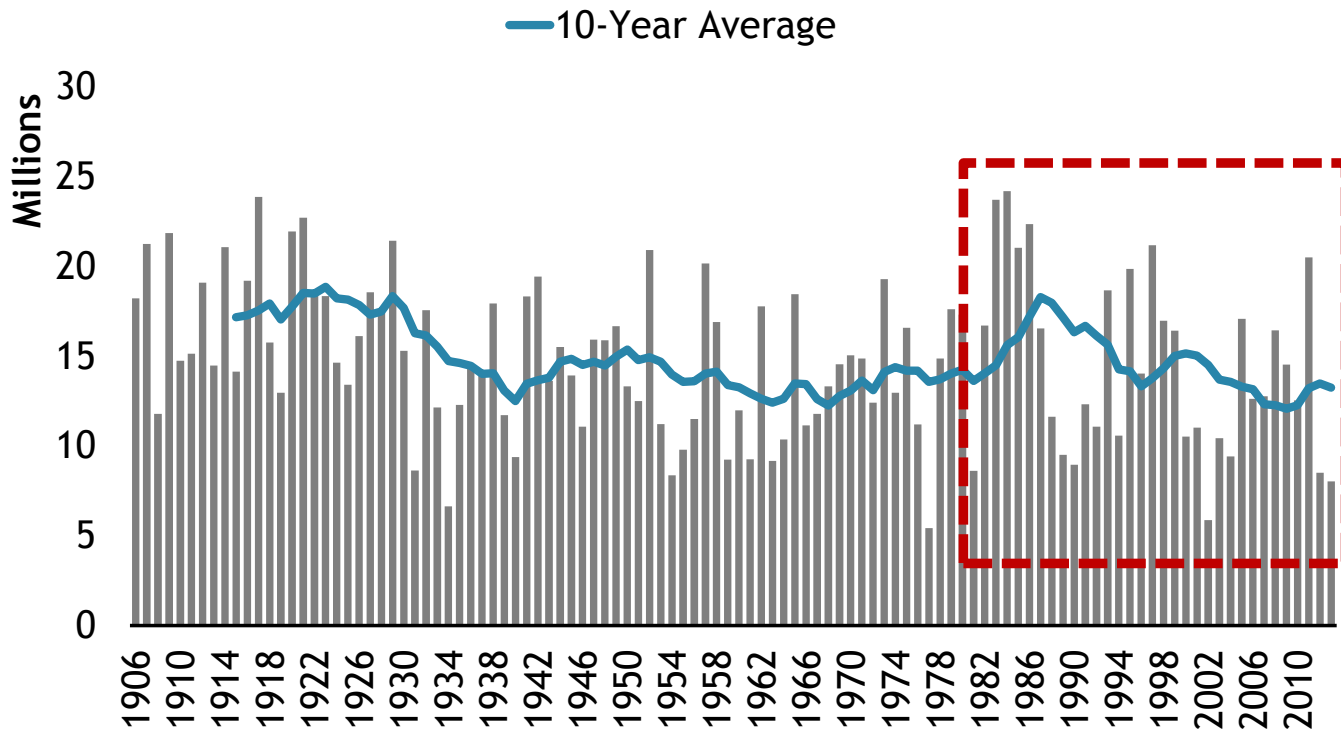
A scenic landscape photograph of a large reservoir, likely Lake Mead, with several islands and mountains in the background under a cloudy sky. The text "Nevada Water Availability" is overlaid in the center.

# Nevada Water Availability

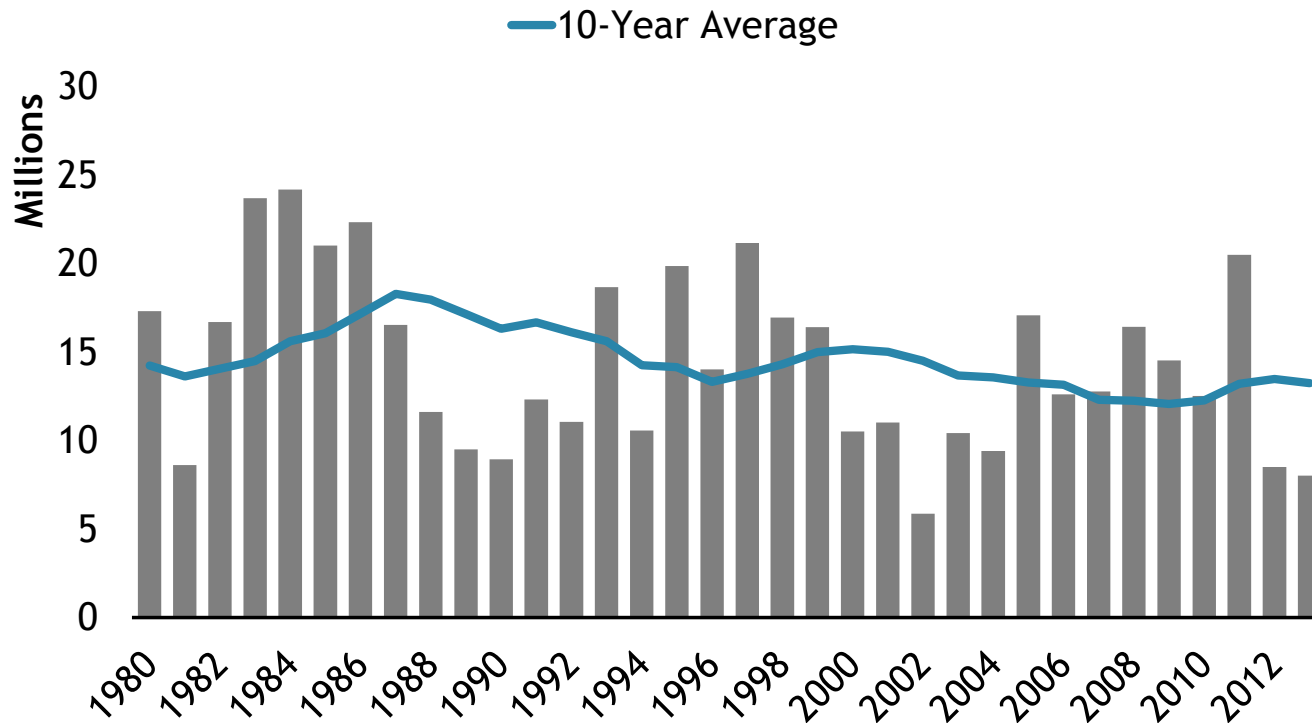
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# Natural Flow at Lees Ferry 1906-2013 (in Acre-Feet)



# Natural Flow at Lees Ferry 1980-2013 (in Acre-Feet)



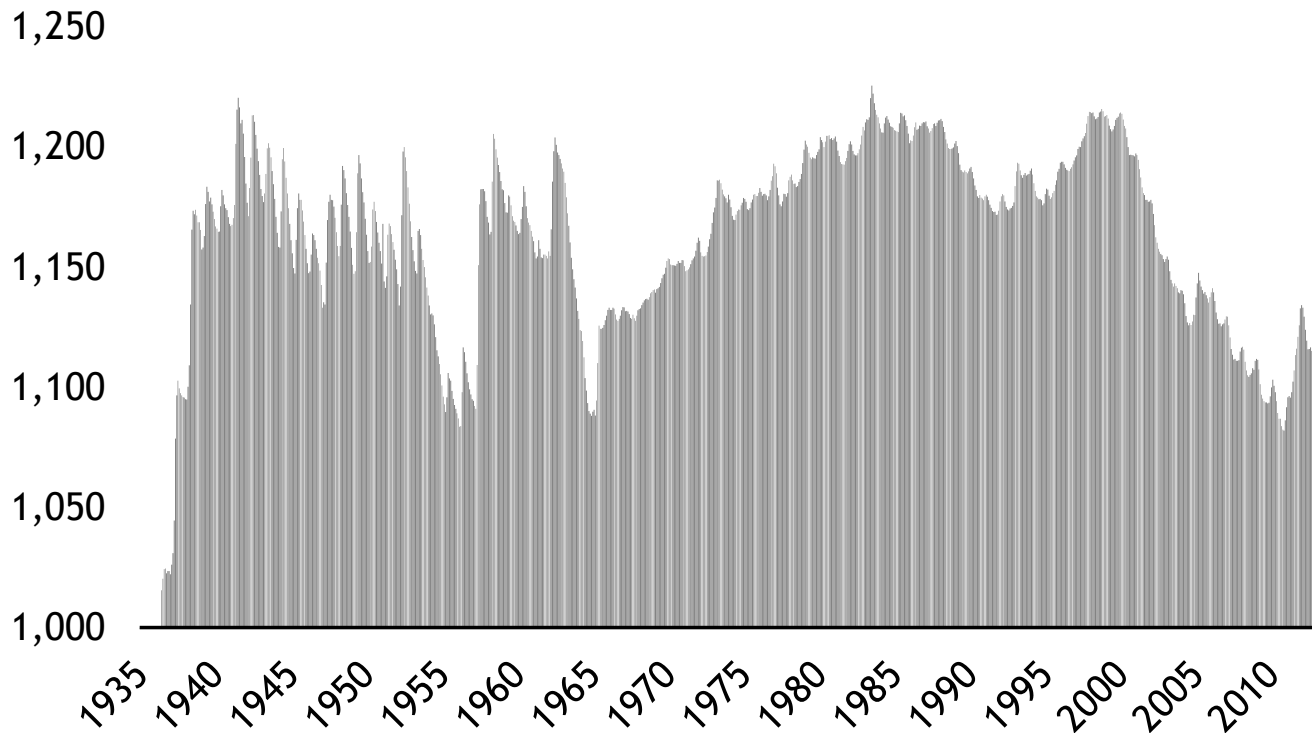




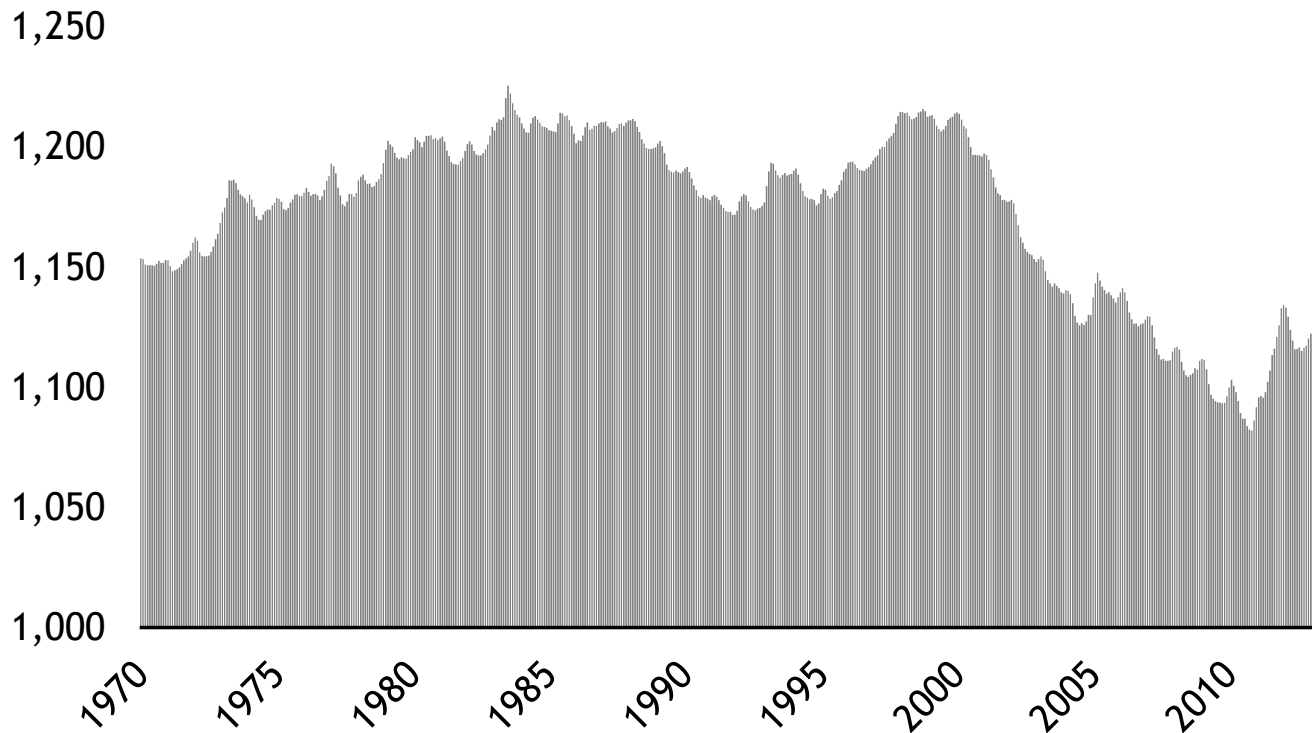
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# Lake Mead Elevation (in Feet) 1935-2013

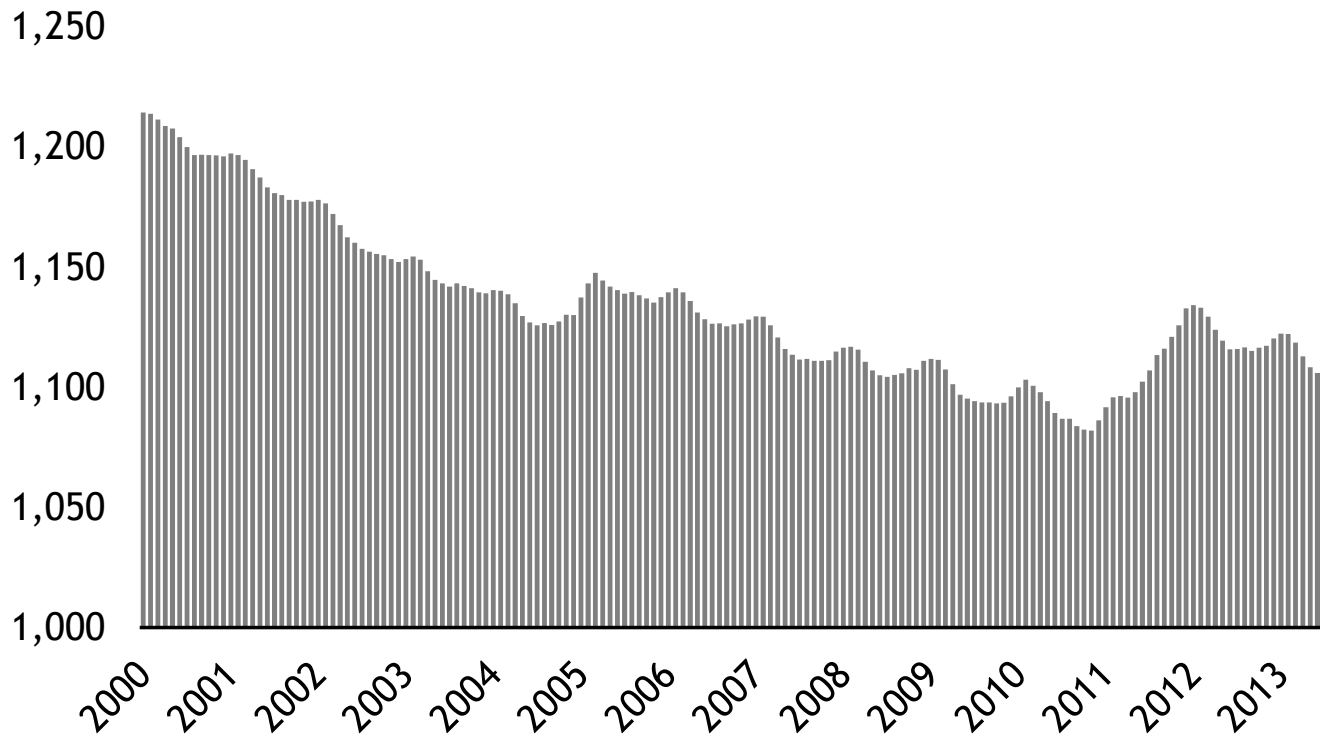


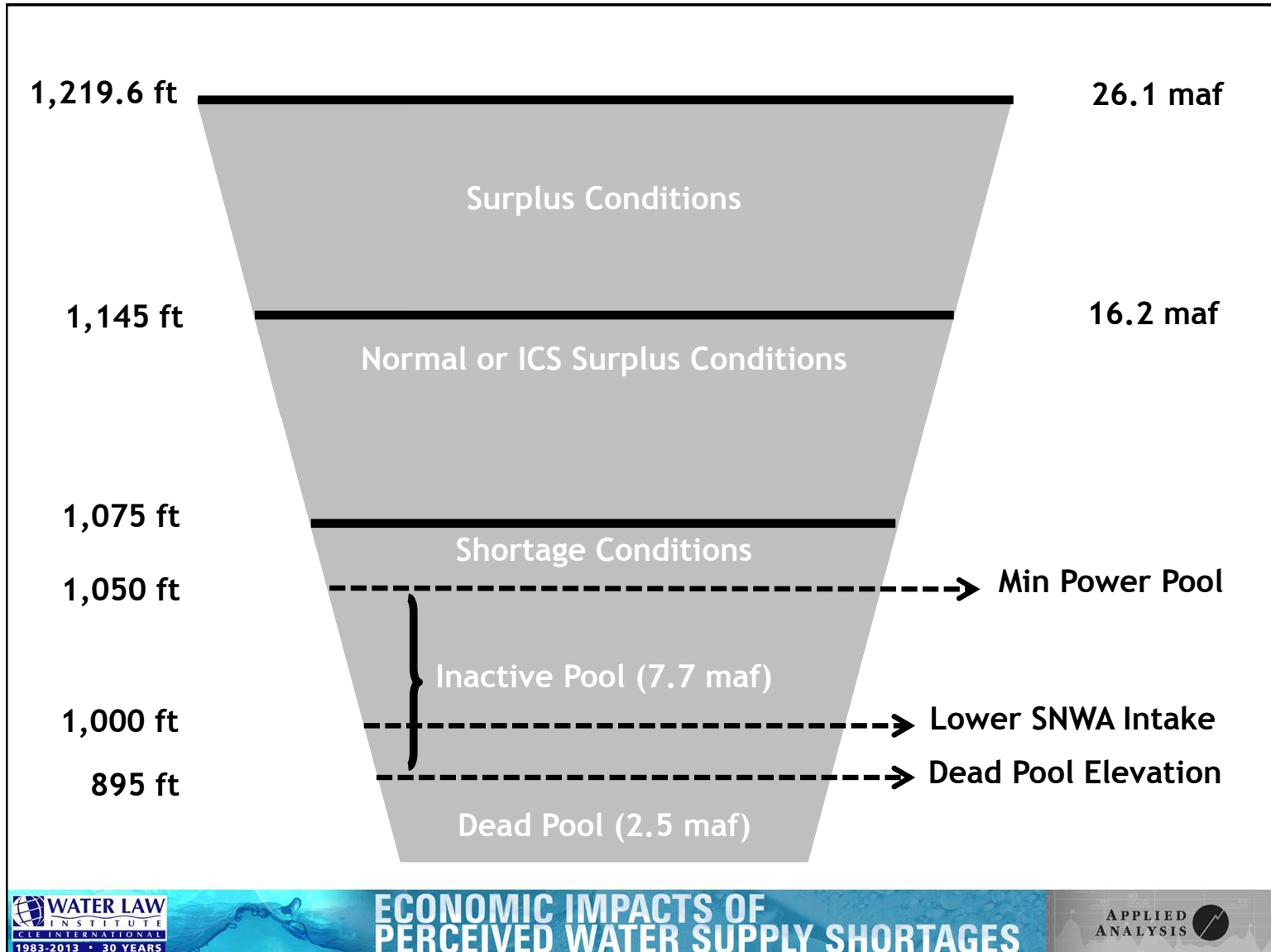
# Lake Mead Elevation (in Feet) 1970-2013



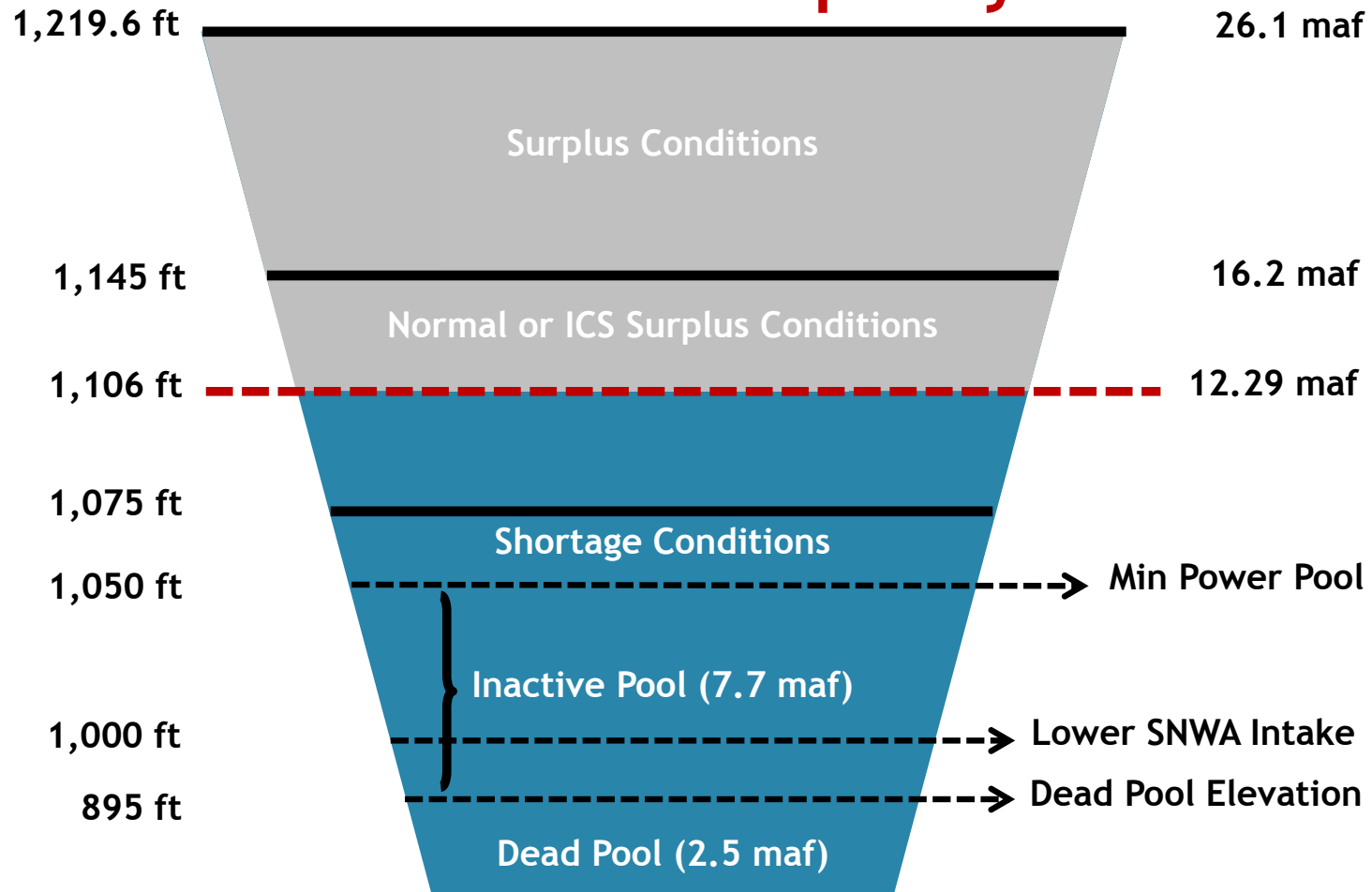


# Lake Mead Elevation (in Feet) 2000-2013






# 47% of Live Capacity



# 8.23 MAF

# 7.48 MAF

**1 AF  
=  
2 Homes**



# Water Shortages in the U.S.

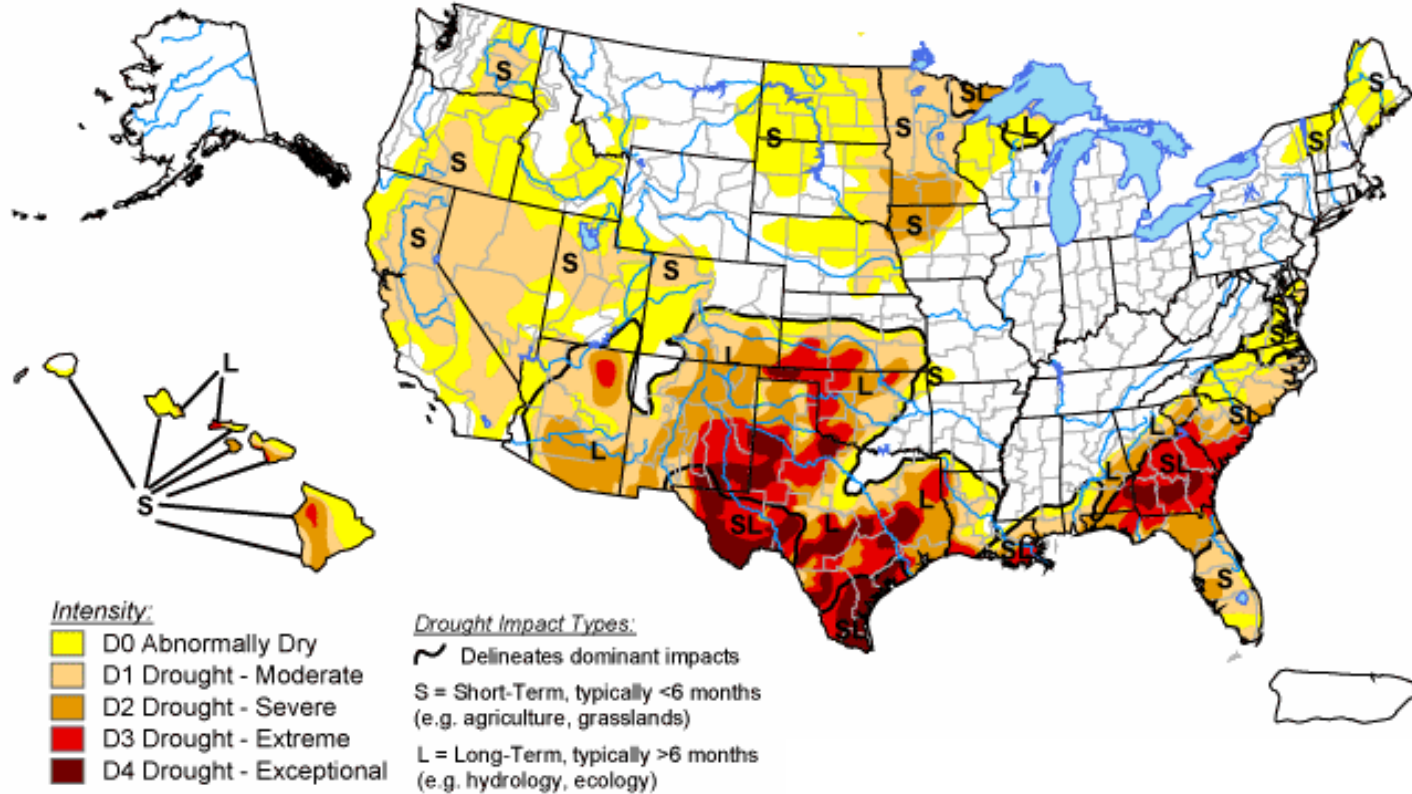
**August 23, 2013**

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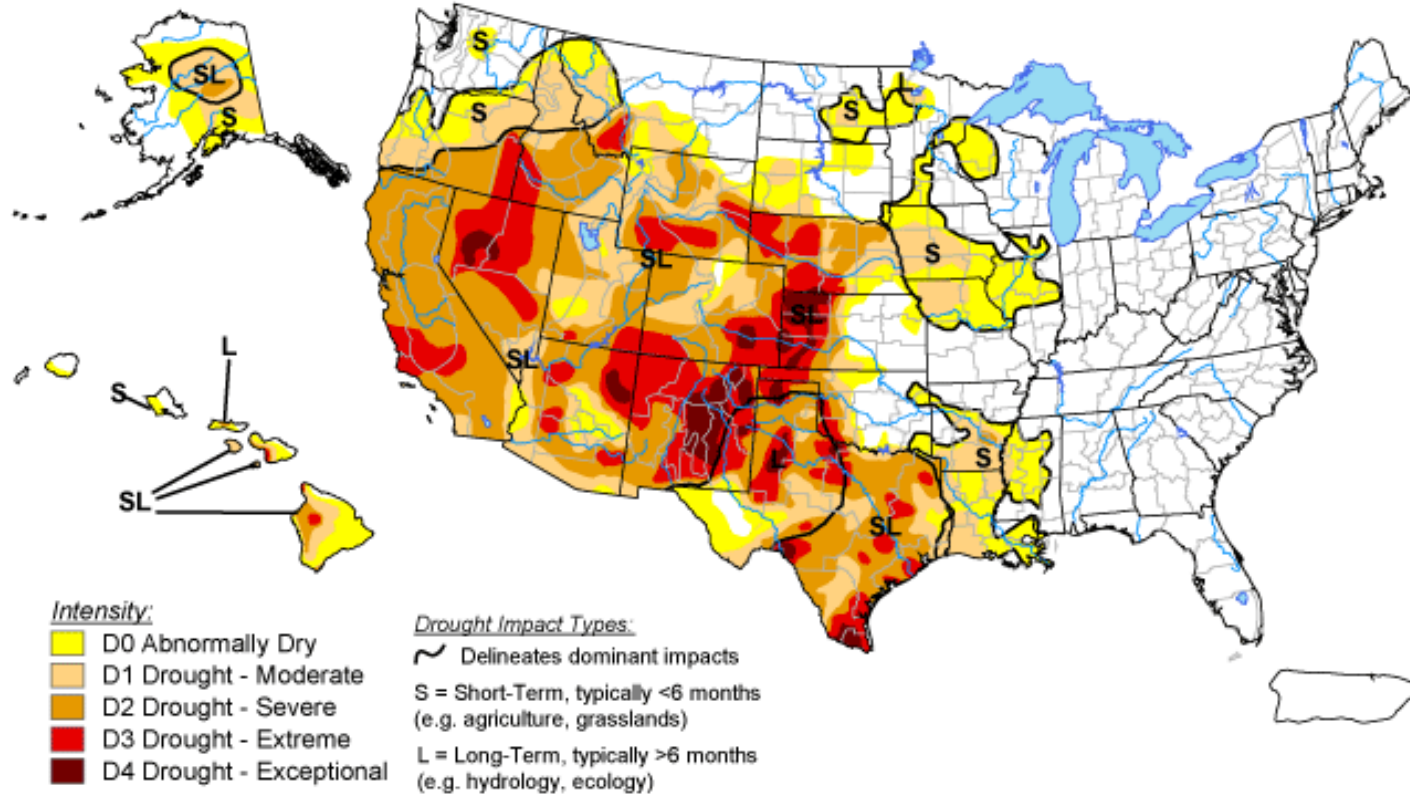
# U.S. Drought Monitor

January 31, 2012  
Valid 7 a.m. EST



# U.S. Drought Monitor

August 13, 2013  
Valid 7 a.m. EDT

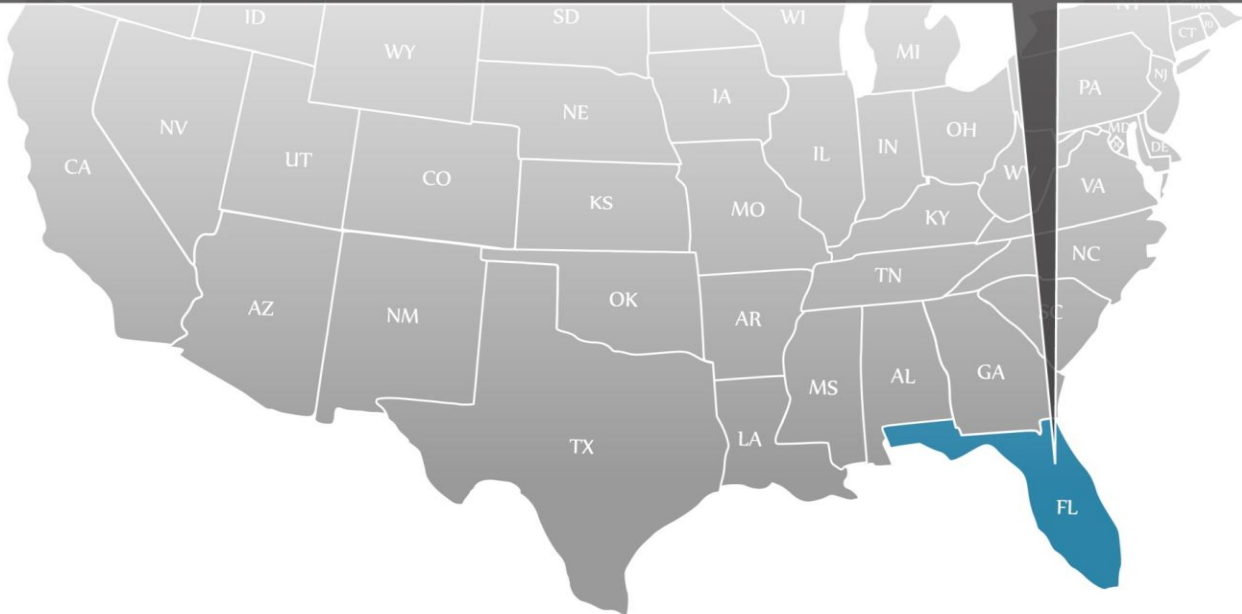




# 2007

## FLORIDA

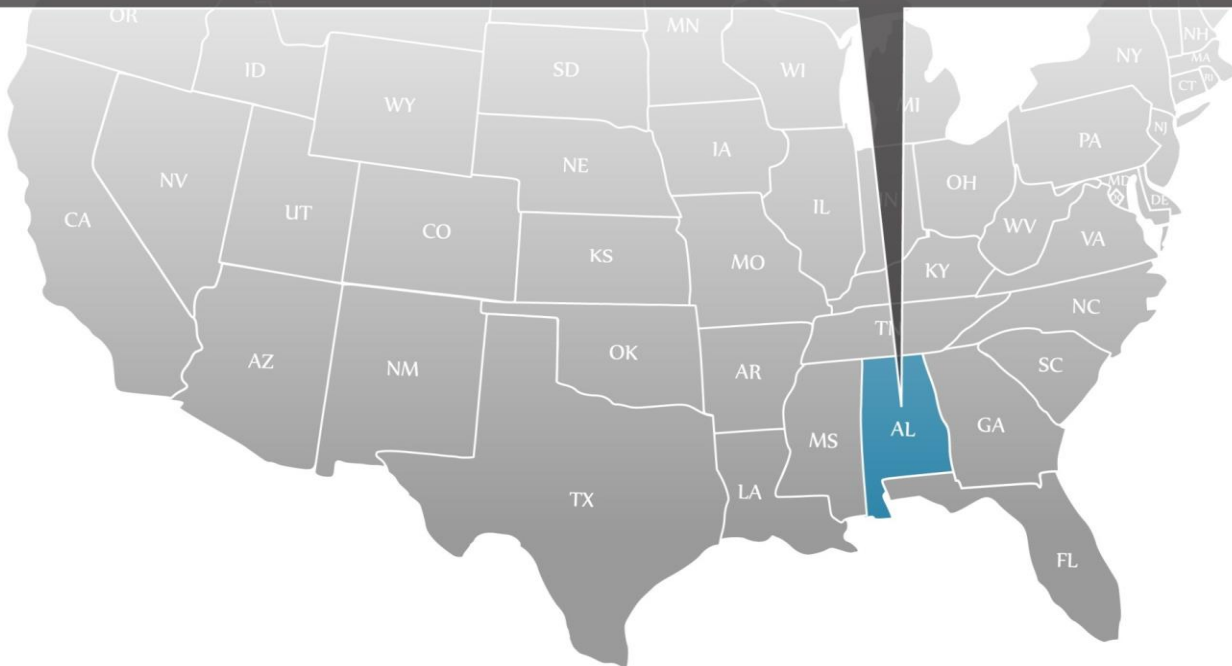
A STUDY WAS DONE  
DETAILING THE  
IMPACTS OF THE  
2007 DROUGHT



2007

ALABAMA

TEMPERATURES WERE HIGHER THAN THOSE  
WITNESSED IN MORE THAN 50 YEARS



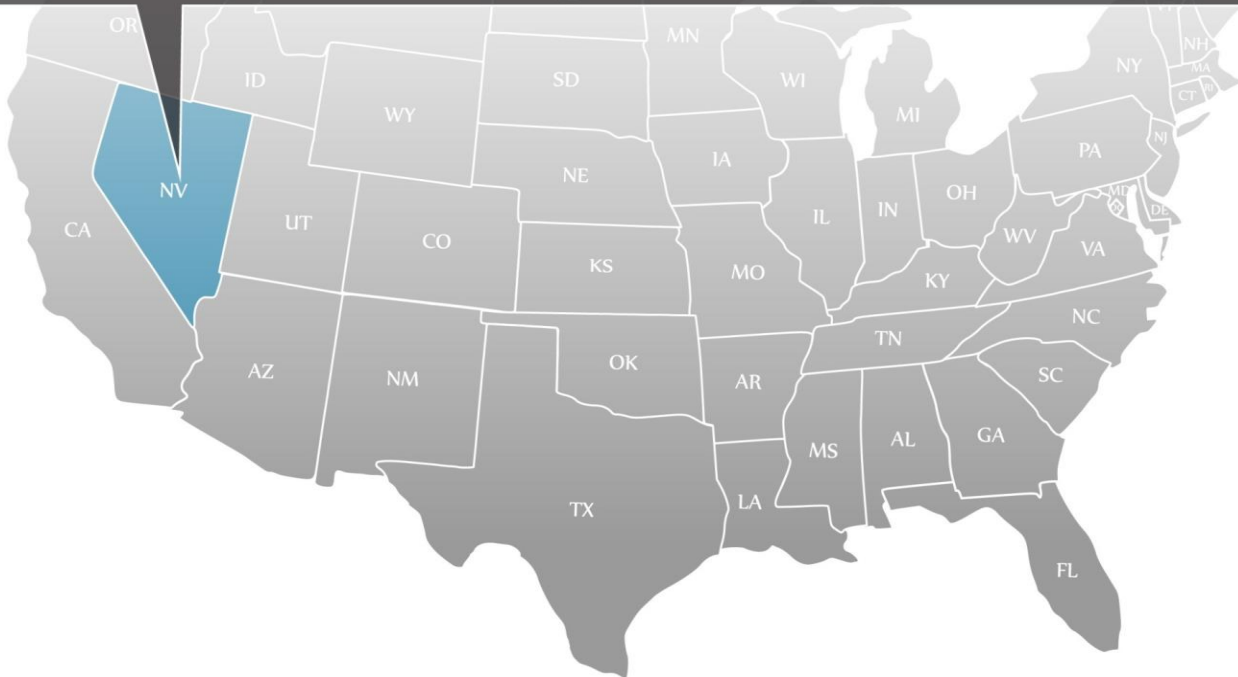
**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**





2008  
NEVADA

POTENTIAL WATER SHORTAGES  
COULD NEGATIVELY AFFECT NEVADA



## ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES



2009  
CALIFORNIA

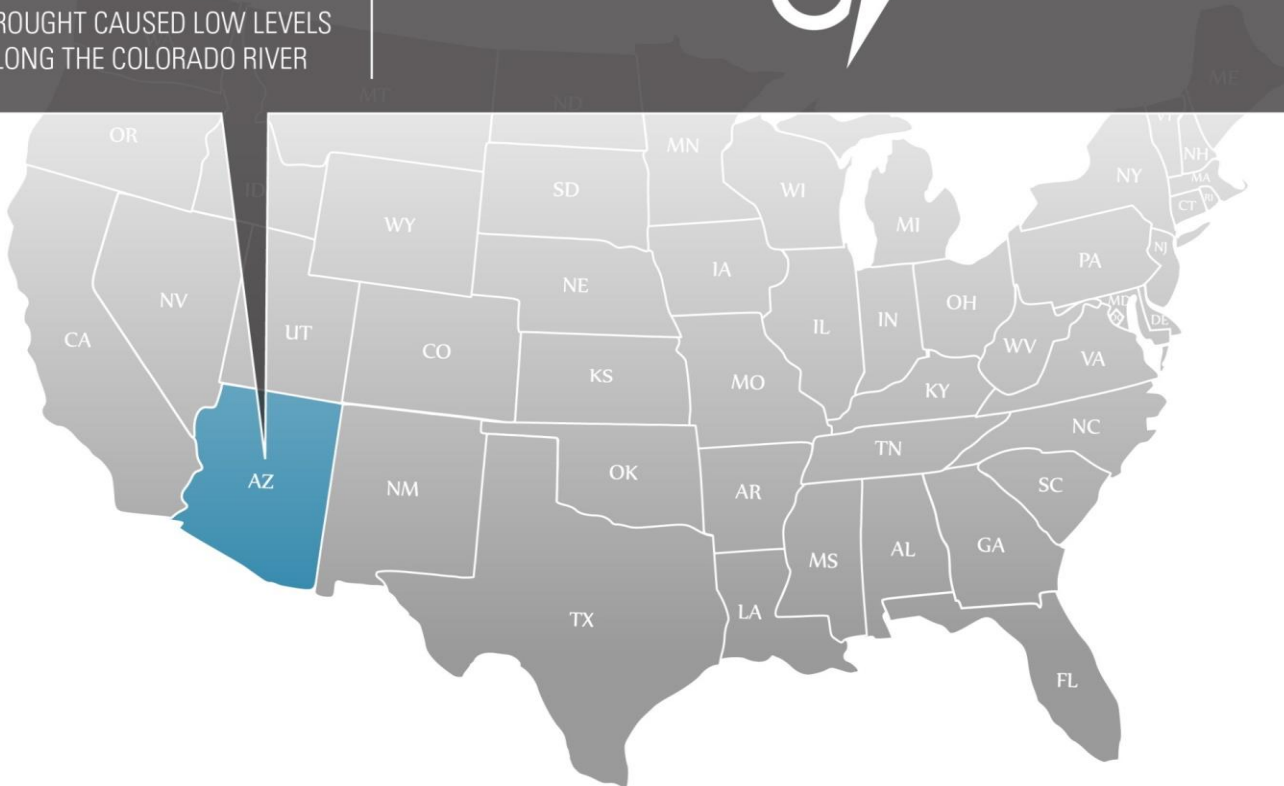
STATE OF EMERGENCY  
DECLARED DUE TO  
DROUGHT CONDITIONS



2010

ARIZONA

DROUGHT CAUSED LOW LEVELS  
ALONG THE COLORADO RIVER



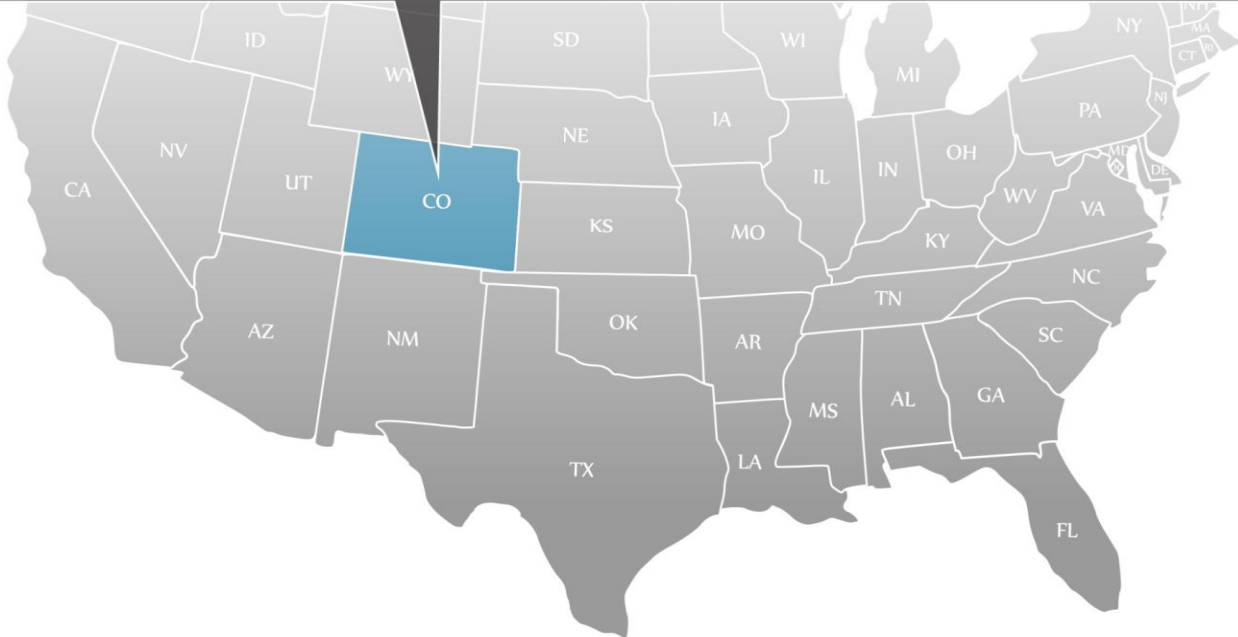
**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**





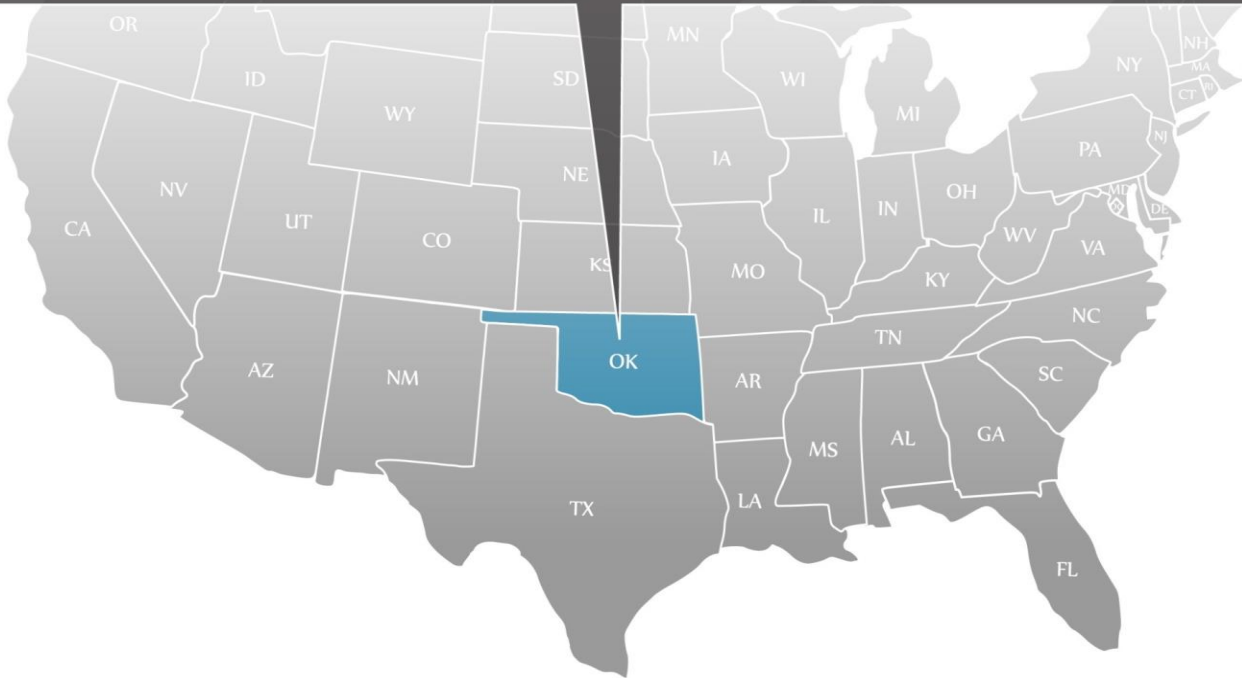
2011  
COLORADO

DROUGHT PLAGUED AGRICULTURAL  
PRODUCERS THROUGHOUT  
SOUTHERN COLORADO



2011  
OKLAHOMA

LOW LAKE LEVELS IMPACTED  
RECREATIONAL ACTIVITIES



**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**



# 2011

TEXAS

OUTDOOR WATERING  
RESTRICTIONS ADVISED  
DUE TO DROUGHT  
CONDITIONS



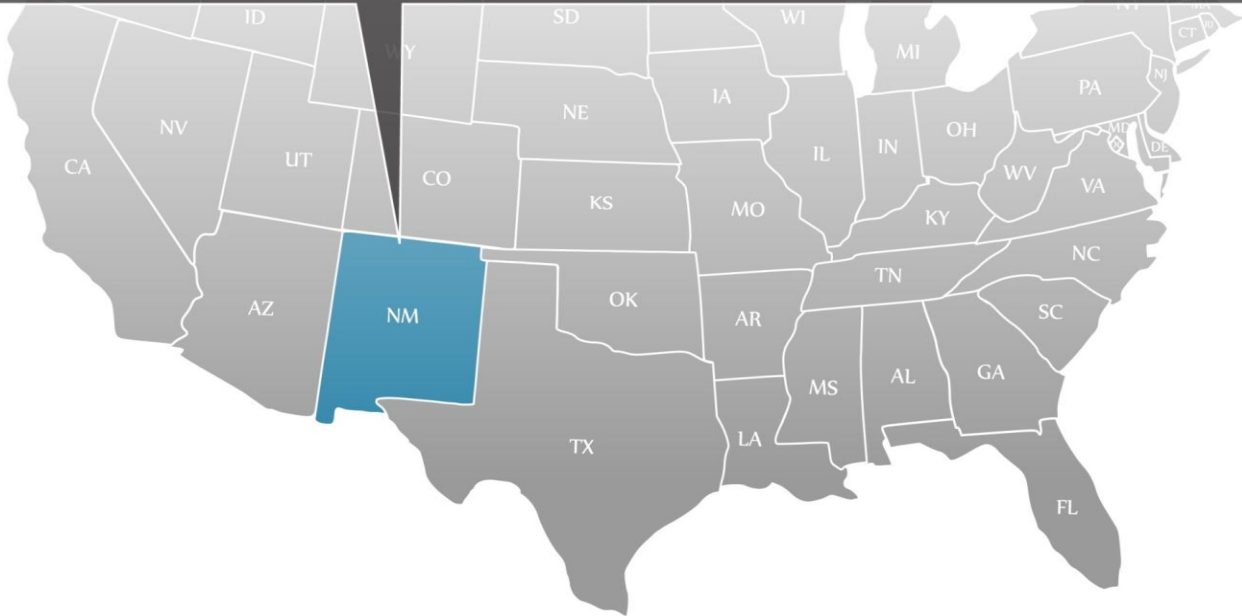
## ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES



# 2011

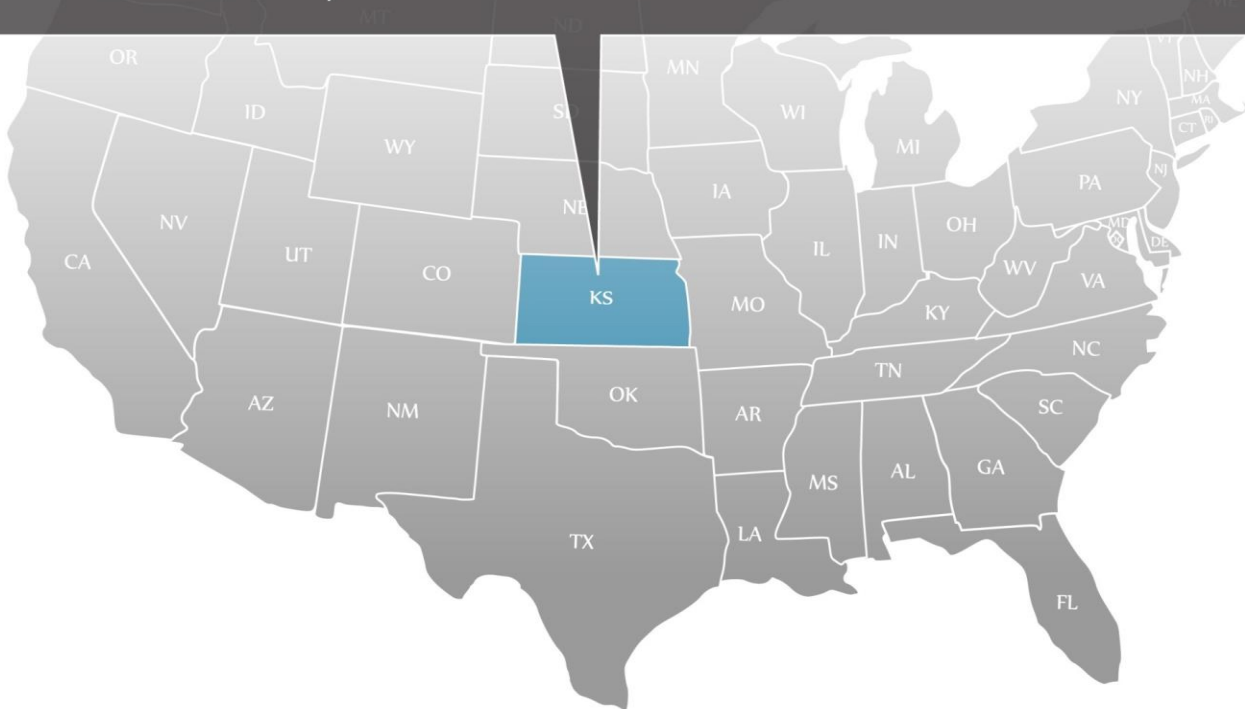
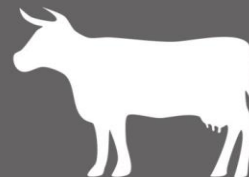
## LAS VEGAS, NEW MEXICO

AFTER EIGHT YEARS OF  
WATER RESTRICTIONS,  
AN EMERGENCY WAS  
DECLARED



2012  
KANSAS

CROPS WERE DESTROYED  
DUE TO SEVERE DROUGHT



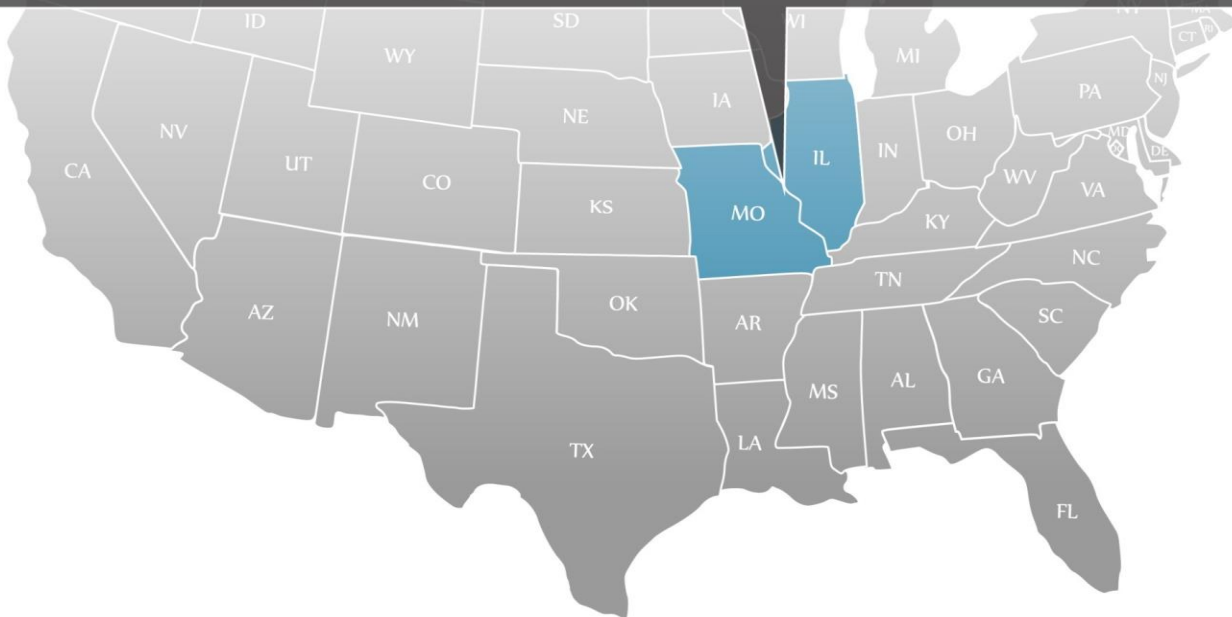
**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**



# 2013

## MIDDLE MISSISSIPPI RIVER

THE MIDDLE MISSISSIPPI  
IS SUFFERING ITS WORST  
DROUGHT IN 50 YEARS



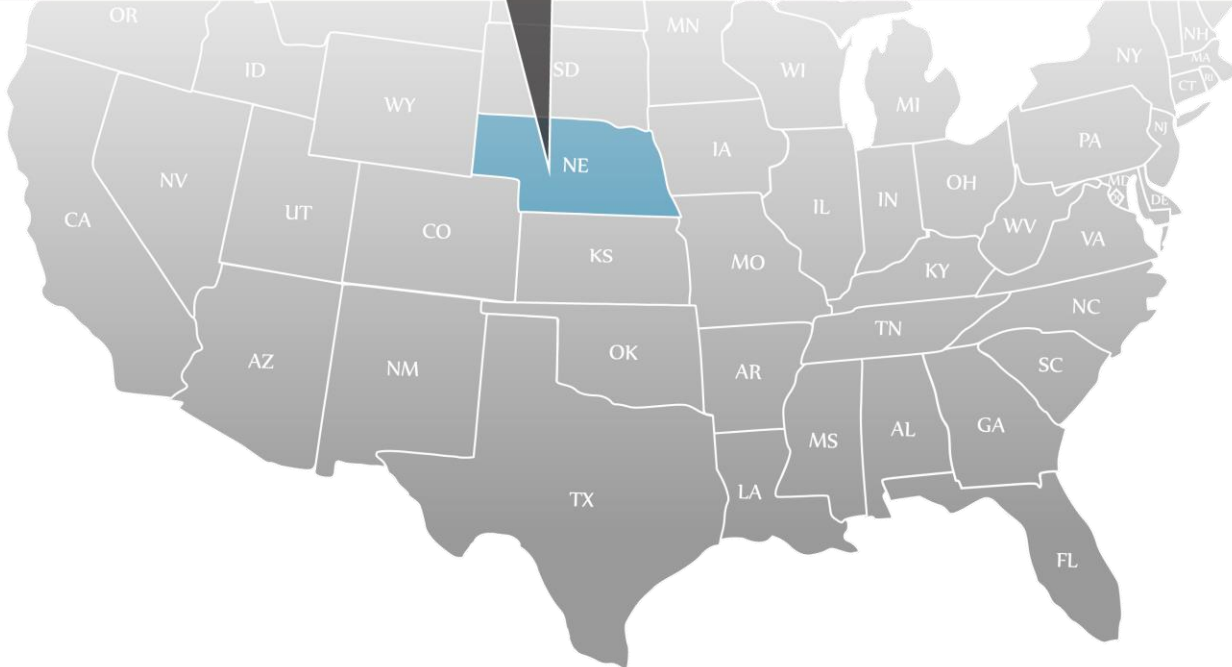
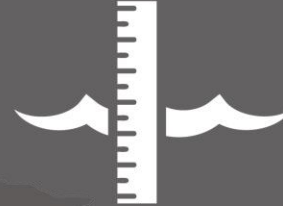
### ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES



# 2013

## NEBRASKA

DUE TO DROUGHT CONDITIONS, LAKE MCCONAUGHY IS JUST 51 PERCENT FULL.



### ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES

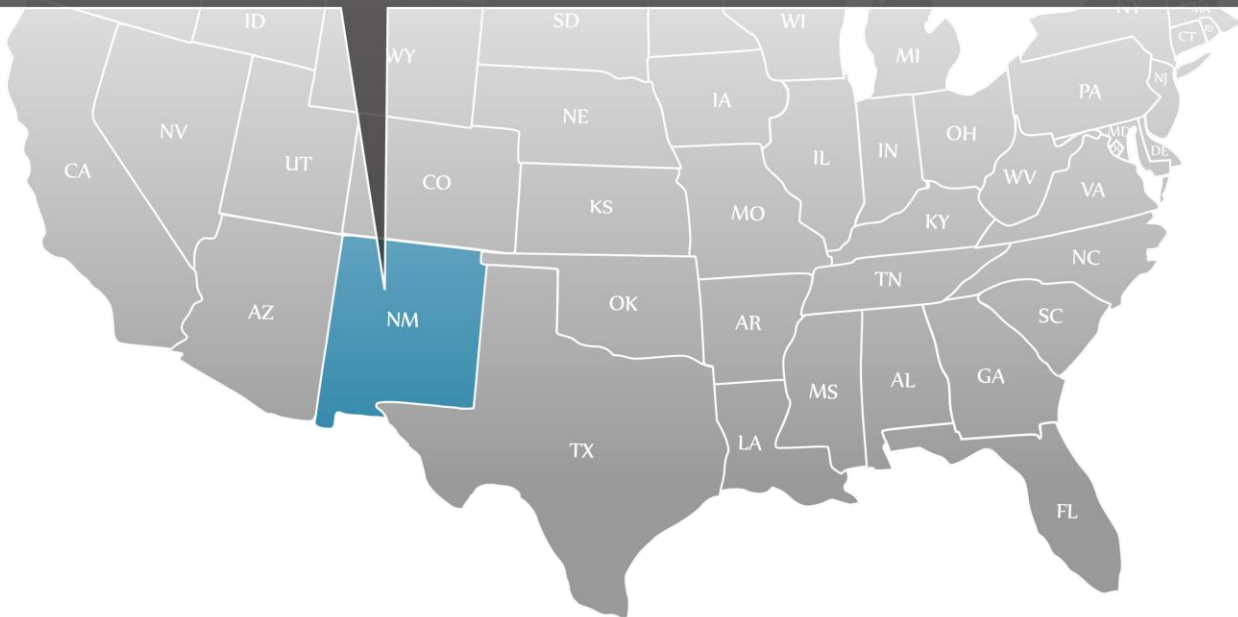




# 2013

NEW MEXICO

NEW MEXICO IS FACING THE WORST DROUGHT IN THE U.S., WITH THREE-QUARTERS OF THE STATE CATEGORIZED AS SEVERE OR EXCEPTIONAL.



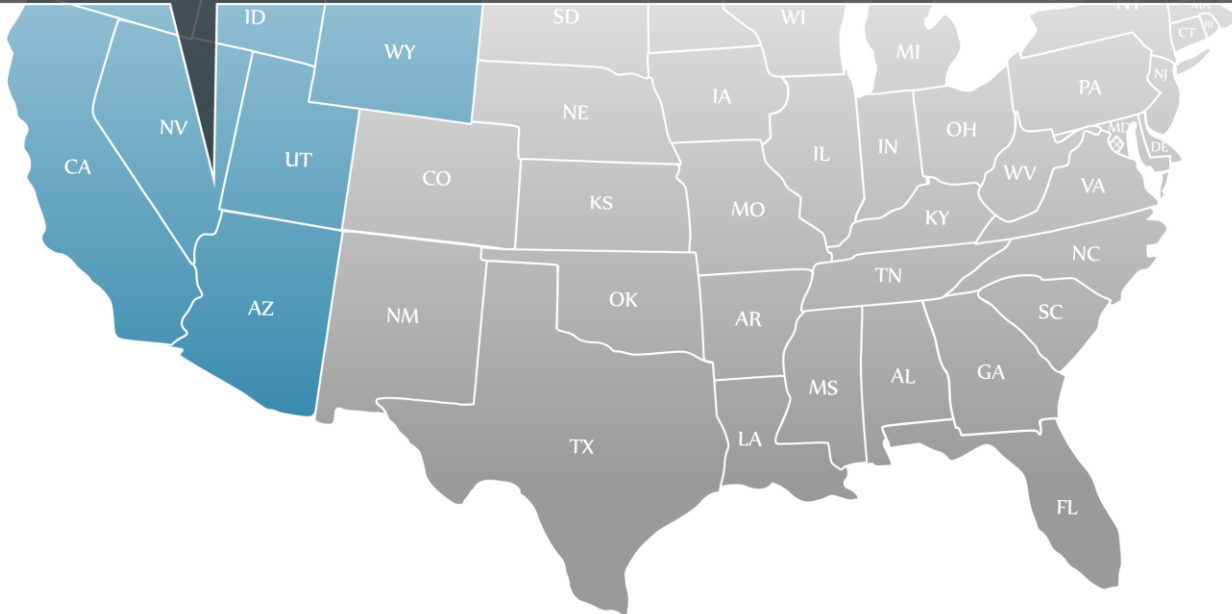
## ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES



# 2013

WESTERN U.S.

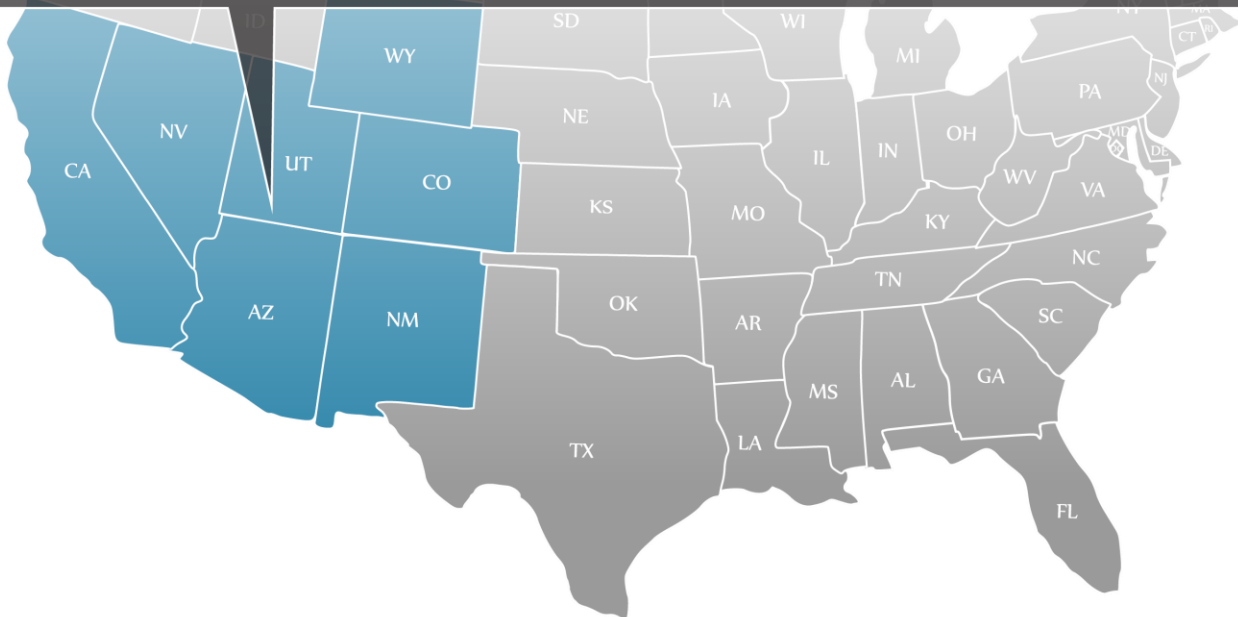
FIFTY-ONE MAJOR UNCONTAINED WILDFIRES ARE BURNING THROUGHOUT THE WEST.



# 2013

COLORADO RIVER

THE COLORADO RIVER IS FACING ITS WORST DROUGHT IN A CENTURY.



## ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES





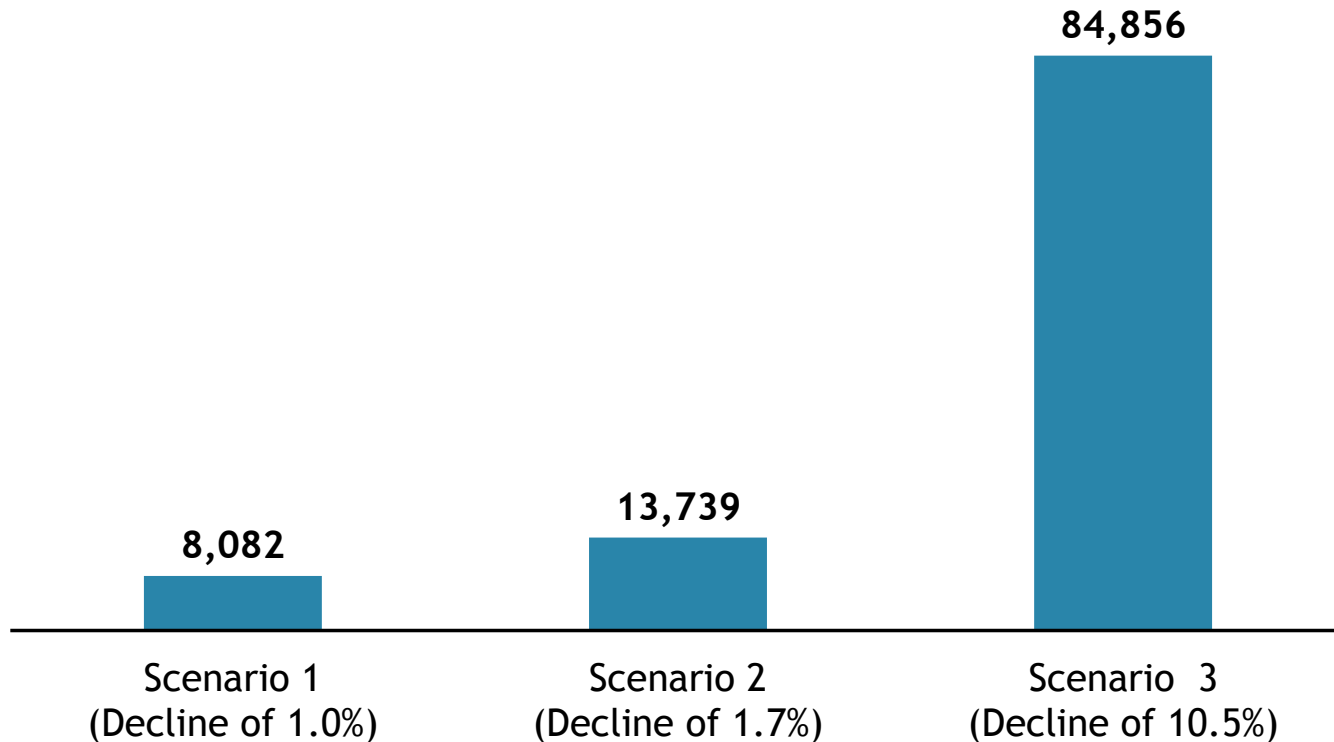
# Potential Economic Impacts in Southern Nevada

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# 808,150

# Number of Employees Lost As a Result of Water Interruption

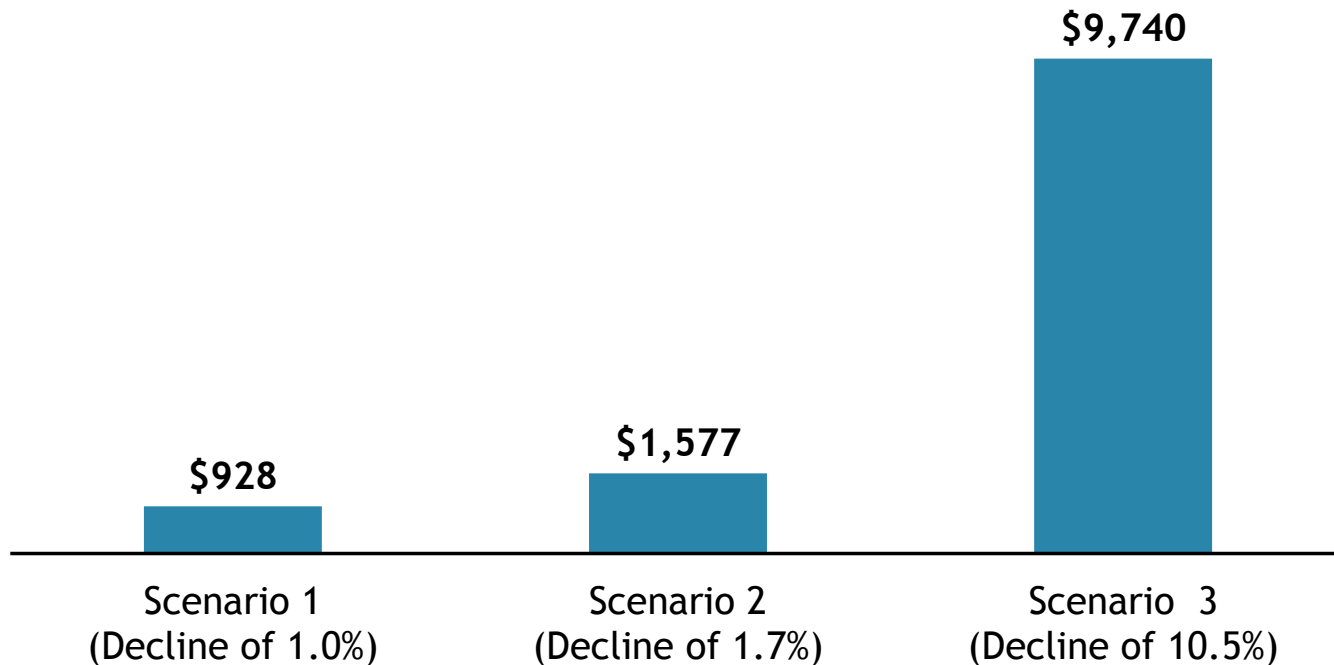


**\$92.8 B**



**\$ 114,783**

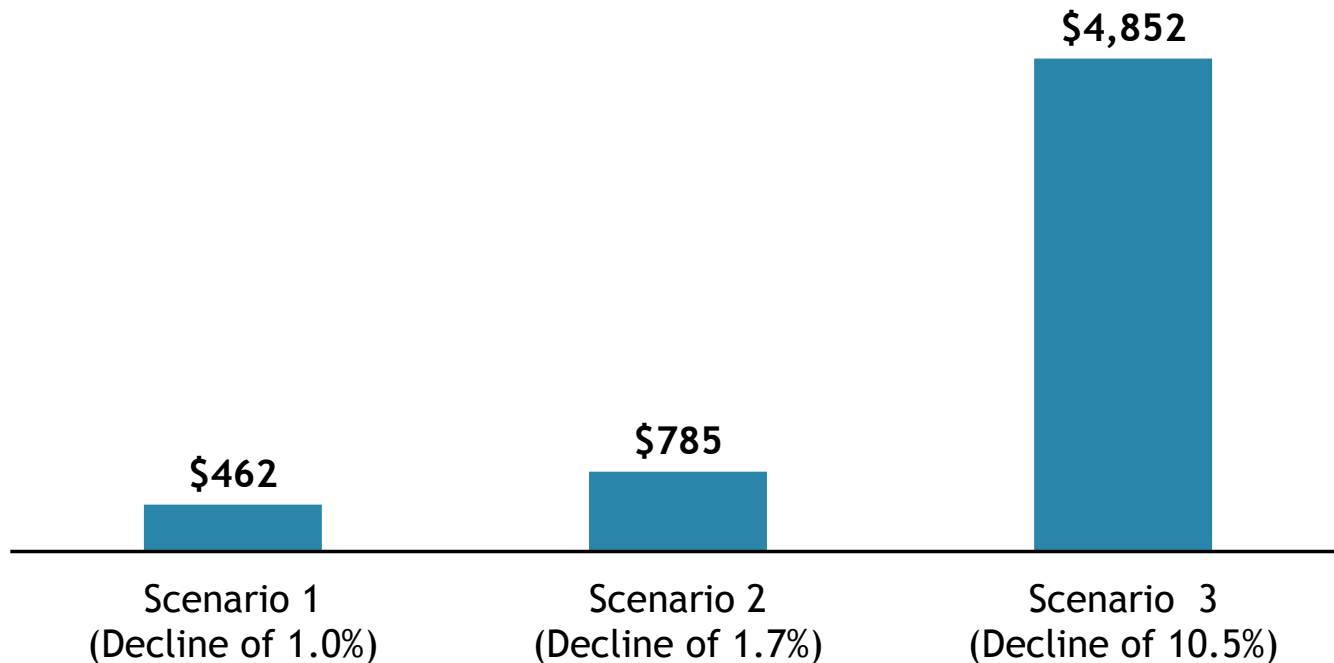
# GDP Lost (in Millions) As a Result of Water Interruption



**\$46.2 B**

**\$57,174**

# Wages & Salaries Lost (in Millions) As a Result of Water Interruption



An aerial night photograph of a city, likely Las Vegas, featuring a large, brightly lit, classical-style building with a prominent archway. In the foreground, a large fountain with multiple jets of water is illuminated with blue and white lights. The city lights and mountains are visible in the background.

# Potential Impacts on Southern Nevada Tourism

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# Tourism and Hospitality Sector As a Percent of Total





85.2%

---

\$113.49

547,077

**\$62.1 M**

A close-up photograph of a hand turning a chrome faucet handle. Water is dripping from the spout. The image is framed by a thin black border. A semi-transparent white horizontal band is overlaid across the middle of the image, containing the title text.

# Conservation Efforts in Southern Nevada

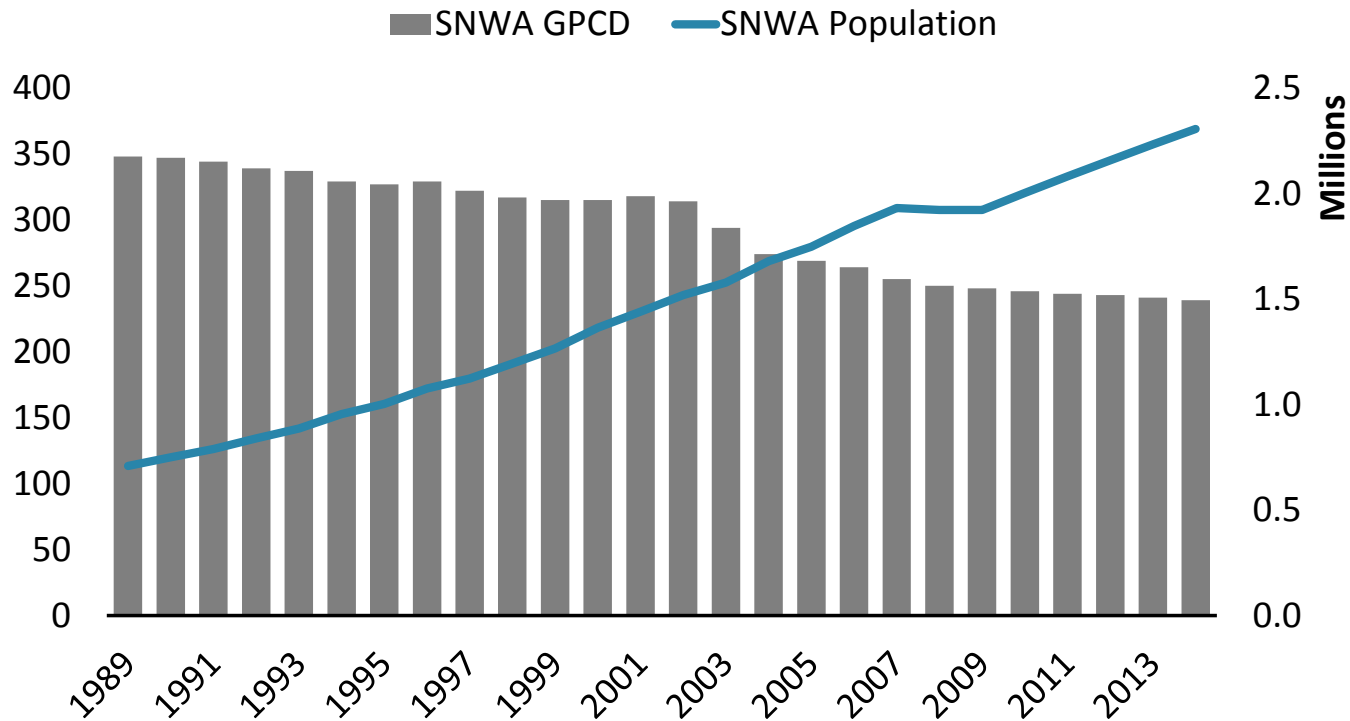
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# SNWA Conservation Plan

# Southern Nevada Water Use (in Gallons Per Capita Per Day)



Note: Includes all SNWA water sources



**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**



# 219 GPCD



# 29 Billion

# 199 GPCD



**ECONOMIC IMPACTS OF  
PERCEIVED WATER SUPPLY SHORTAGES**



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# ECONOMIC IMPACTS OF PERCEIVED WATER SUPPLY SHORTAGES

