

# WATER IS GOOD FOR TEXAS

**WATER PLANNING AND MANAGEMENT** in Texas is necessary to prepare for future weather events that affect water resources and to ensure enough water is available for future generations of families and businesses. Continued economic prosperity and quality of life depends on the successful implementation of water management strategies designed to conserve and bolster our state's water supply to meet growing demand.

BETWEEN 2020 AND 2050, TEXAS' POPULATION IS ESTIMATED TO INCREASE FROM 29 MILLION TO 47 MILLION PEOPLE, ALL OF WHOM WILL NEED RELIABLE AND CLEAN WATER SOURCES TO LEAD HEALTHY AND PRODUCTIVE LIVES.

## TEXAS WATER PLANNING AND MANAGEMENT

Every five years the Texas Water Development Board (TWDB) releases an updated State Water Plan (SWP) designed to guide Texas water policy and assess regional water supplies and needs 50 years into the future.

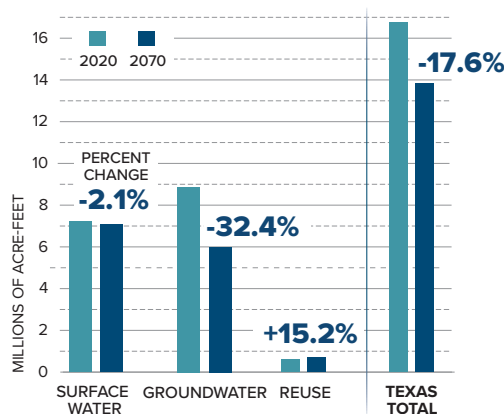
## WATER SUPPLY

The TWDB estimates that Texas' existing water supply — which consists of surface water, groundwater and water reuse (i.e., wastewater) —

# WILL DECLINE BY EIGHTEEN PERCENT

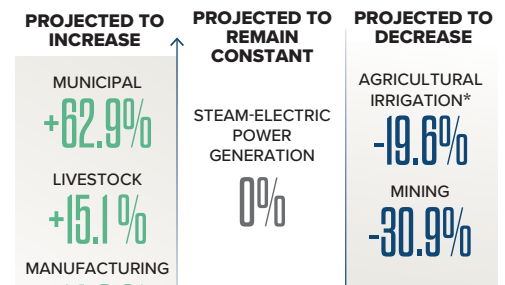
between 2020 and 2070.

ANNUAL EXISTING WATER SUPPLY IN TEXAS, 2020-2070



## WATER DEMAND

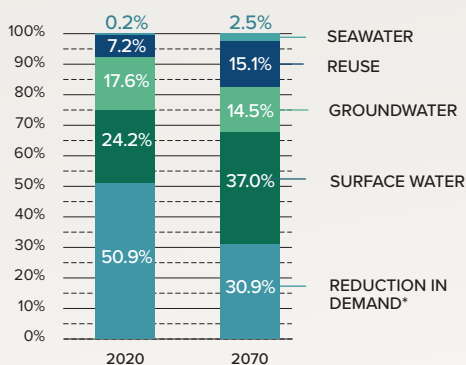
The TWDB estimates that Texas' total water demand will increase by 8.5 percent between 2020 and 2070. However, demand differs greatly by water use category over this period.



\*Due to a variety of factors such as precision agriculture tools that save water and the reduced availability of groundwater.

## WATER MANAGEMENT STRATEGIES

PERCENT SHARE BY WATER RESOURCE, 2020-2070



Water management strategies are designed to increase water supply and/or reduce water demand to address potential shortages.

**MORE THAN TWO-THIRDS (69%) OF THE STRATEGIES RECOMMENDED IN THE STATE WATER PLAN RELY ON CREATING ADDITIONAL WATER**

such as surface water or groundwater, while the remaining strategies focus on reducing the demand for water (e.g., conservation activities).

\*Reduction in demand is projected to come from agricultural, municipal and other conservation efforts

## WATER PROJECT FUNDING

The TWDB estimates that implementing the recommended water management strategy projects (i.e., new infrastructure) will require **\$80 BILLION IN CAPITAL COSTS OVER THE NEXT 50 YEARS** — and \$47 billion of that is expected to come from state financial assistance programs.

The State Water Implementation Fund for Texas (SWIFT), the largest of those programs, has committed nearly \$9.2 billion in financial assistance for 58 recommended projects since the program began in 2015.

FOR MORE INFORMATION

Check out our June/July edition of *Fiscal Notes* for a detailed look at the 2022 State Water Plan and some of the innovative water management strategies in Texas.

<https://comptroller.texas.gov/economy/fiscal-notes/>

Sources: Texas Water Development Board; Texas Demographic Center

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Texas Comptroller of Public Accounts

THIS IS ONE IN A SERIES OF REPORTS THE COMPTROLLER HAS PREPARED ON WATER IN TEXAS

TO SEE MORE INFORMATION ON WATER ISSUES AND THE TEXAS ECONOMY: <https://comptroller.texas.gov/economy/economic-data/water/>

96-1870 (9-22)