

BUILDING BLOCKS

TEXAS 2036

OF THE 21st CENTURY

As we head into the heart of the 21st century, Texas' continued prosperity hinges on the capacity of our infrastructure resources to meet growing needs.

We must act now to improve Texas' water resiliency and security, promote energy expansion, prepare for extreme weather, and embrace technological innovations that can drive future growth.

TEXAS-SIZED CHALLENGES

137%
growth

is expected in the global demand for **hydrogen** between 2020 and 2030 and will accelerate after that.



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**Drinking
water**

Texas' water ratings from the American Society of Civil Engineers.

Texas will need a
\$150 Billion

investment over the next **50 years** to address long-term water supply, aging infrastructure, and flood control and mitigation needs.

D

**Wastewater
infrastructure**

The extreme weather report by Texas 2036 and the Office of the State Climatologist **predicts more extreme weather**, including a greater frequency of **drought, flooding and fire**, between now and 2036.

The global market for artificial intelligence is projected to grow over **1,800%** from 2021 to 2030, with significant impacts on government operations.

THE BIG QUESTIONS

- 1 What energy portfolio does Texas need to ensure greater reliability, affordability and lower emissions while contributing to continued economic growth and prosperity?
- 2 How can Texas' water policy deliver the water supplies and management strategies needed for a drought-prone and growing state?
- 3 How will changes in extreme weather patterns, including droughts, floods and wildfires, affect communities' sustainability and access to affordable insurance policies?
- 4 What steps must be taken by state government to ensure emerging technologies, such as artificial intelligence, can transform public services and operations to benefit citizens and businesses while maintaining public safety and trust?

1. Growing Texas' Continued Energy Leadership

Texas 2036's groundbreaking energy expansion research will chart the path to Texas' energy future, modelling the long-term impacts of policy options being weighed by lawmakers.

This state-of-the-art interactive tool invites policymakers, stakeholders and the public to explore diverse scenarios ranging from maintaining the status quo to an all-of-the-above energy portfolio that includes oil and gas, renewables, and hydrogen. As lawmakers weigh complex policy choices, this immersive platform enables us to model and visualize the possible impacts on energy output, economic development, jobs, tax revenues and emissions.

2. Ensuring a Sustainable Water Future

Texas 2036 is at the helm of pioneering efforts, focused on ensuring that we have enough water for a growing, drought-prone state.

Our multifaceted projects center on the critical aspects of state water. This includes developing a sustainable financial strategy for delivering new water supplies and improving aging infrastructure, an actionable state water plan tracker, market-based options to improve efficiency, and cutting-edge research on drought conditions under extreme weather scenarios. By supporting this project, Texas 2036 will proactively shape a sustainable, water-secure future.

3. Preparing for Extreme Weather

Texas 2036 remains at the forefront of ensuring that state policies are responsive to extreme weather trends, including droughts, floods, hurricanes and wildfires.

Drawing on the success of previous research, Texas 2036 will continue to work with the Office of the State Climatologist at Texas A&M to assess how extreme weather patterns will change. Additionally, we are expanding our focus on how these trends may affect home affordability and what steps the state may take to mitigate this.

4. Fostering Technological Innovations

Emerging technology areas like artificial intelligence (AI), space and advanced air mobility can expand the state's robust economic portfolio.

Innovative technologies offer the opportunity to further flex Texas' leadership in technology development, expand job opportunities and even innovate government service delivery. Texas 2036 will work to ensure the state has the policy and regulatory framework needed to lead the nation in 21st century innovation. We will also support the development of the talented workforce needed for future-focused industries to flourish in Texas.

