



An New Era of Energy Transmission

What Texas Businesses Need To Know



The State of Energy Transmission in Texas

Texas is one of the fastest-growing states in the U.S.

The Electric Reliability Council of Texas (ERCOT) projects a 72% increase in energy demand by 2030, equating to a surge of 62 gigawatts. That's big – even for Texas.

Traditional solutions are insufficient for this complex energy challenge, but there are innovative incentives and advancements that can address these needs if businesses act now:

Energy Incentives for Texas Businesses

There are three financial incentives available for companies looking to invest in alternatives to the public energy grid, but businesses must act quickly. Some of these incentives will not be available in the long-term:

Prop 7: The Texas Backup Power Package

The passage of Proposition 7 allowed the creation of the Texas Energy Fund. Administered by the Public Utilities Commission, the Texas legislature is now authorized to allocate funds to modernize electricity-generating facilities.

Investment Tax Credit (ITC)

Under the IRA, qualifying microgrid system projects that kickoff before 2025 are eligible for tax credits up to 30% of the cost of installation.

Investment Reduction Act (IRA)

An ITC is a federal income tax credit that falls under Section 48E of the Internal Revenue Code. This credit for microgrid controller projects reduces a business' tax liability on a dollar-for-dollar basis.

Beyond Backup Power and Grid Modernization

Many companies have some form of auxiliary power – often in the form of diesel generators. These generators are often unreliable, costly to operate, have higher emissions, and are usually only connected to 30% or less of the facility.

In contrast, microgrid systems, such as the turnkey offering by e2, provides a cleaner, more resilient, and lower cost offering which provides backup to an entire facility.

What if you could take advantage of current incentives and gain energy autonomy?

A Fully Integrated Turnkey Solution

Meet Virtual Utility®, which combines the power of the public utility at your facility plus the ability to connect to current and future renewables when you choose and without the need for an interconnection agreement:



The lowest total cost per kilowatt-hour, uninterrupted on-site resiliency, and reliability.



Instantaneous full-load pick-up when dispatched.



Grid stability for intermittent renewables, capacity reserve, frequency response, and voltage response.



Continuous sync with the grid.

Virtual Utility[®] is made up of two key components:



**Reliable, Resilient,
Responsive Power Generation**

The heart of Virtual Utility[®], this system can serve as backup power, but it can also run as prime power. It can easily integrate with solar, wind, hydrogen, and other renewables in one package.

Other Advantages

- Uses the powerful combination of a lithium iron phosphate battery (LiFePO₄), low-emissions, natural gas Cummins[®] C1000N6B engine, or other eligible and compatible systems.
- Saves 39,273 tons of emissions over its lifetime compared to diesel generators.
- Net present value of \$7,209,874 with an average Societal Return on Investment (SROI) of approximately 300% for a standard 1MW R3Di[®] system.

Note: Businesses can opt for the battery only, pairing it with their choice of generator and renewable, such as solar.



**Real-Time Energy
Management**

The Eyes of Virtual Utility[®], Grove provides asset optimization, demand response, health monitoring, remote dispatching, proactive weather monitoring, market alerts, pricing analysis, and environmental regulatory compliance.



Get Cleaner Emissions With Cost Advantages

By combining innovations in renewable energy, battery storage, and integrated solutions with incentives, businesses can meet the increasing energy demand while maintaining affordability and reliability.

**Learn how your business can
qualify for these incentives
with Virtual Utility.**

Contact our experts to learn more.

