

Enchanted Rock: Utility Grade Backup Power

SECTOR

DERs

LOCATION

Houston, TX

INVESTED

April 2017

“An Enchanted Rock natural gas-powered microgrid is an ideal quick response option to avoid utility power outages for organizations with sensitive operations. Natural gas is a reliable fuel source that burns much cleaner than diesel, so there are no practical run hour limitations. Our gensets can operate in island mode during an outage or synchronously to support the grid when other grid assets, such as renewables or peaker plants, are unable to meet peak load. These grid runs are typically less than 5% of the hours in a year.”



INNOVATOR

Thomas McAndrew

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Climate event losses greater than \$1B in 2019

540%

Forecasted growth in microgrids between 2015 and 2024

300+

MW of operating distributed generation

Impact

Enchanted Rock is at the vanguard of improving grid resilience, vital for providing backup electricity as weather-related blackouts have doubled since 2013. Alongside emergency power, Enchanted Rock's Texas microgrids will increasingly have a positive environmental impact. These generators displace load from higher emitting generation capacity and support the integration of renewables on the grid.

Enchanted Rock's generators release less than **1% of the NOx emissions** released by conventional Tier 2 Diesel generators.

Paired with Enchanted Rock's financing arrangement, their backup generation comes at **10-20% of the cost** of a standard reliability system.

SUPPORTING SDGs

