



Reinventing Electrical Resiliency for Utility Customers

Our world is undergoing a dramatic shift in power usage, customer expectations, and power delivery. Today's connected society relies greatly on continuous power, and utility customers have high availability expectations. At the same time, the energy transition is driving growth in renewable energy and electrification which requires more flexible grid support.

With an increase in the number and impact of severe weather events coupled with a global pandemic, our definition of critical infrastructure has expanded beyond hospital and emergency services to include food, water, supply chain, communication, and safety. With the intermittent nature of renewables and growing risk of outages, critical infrastructure customers are looking for resiliency solutions.

The Enchanted Rock Power Resiliency Partner Solution

With modern microgrid innovation, our utility partners are in a unique position to provide safe, reliable, and affordable power to customers with ultra-high resiliency needs — all while continuing to integrate renewable energy to the grid through the addition of locally placed, dispatchable fast ramp generating assets.

With managed resiliency microgrids from Enchanted Rock, utilities can ensure continuous service for customers, improving customer satisfaction and competitive advantage, and improve local emissions while meeting carbon reduction goals.

Enchanted Rock's microgrids can be integrated into the overall power stack to run during peak load periods in order to reduce supply costs. Microgrids distributed throughout a community mitigate the effects of long-duration outages. Most importantly, microgrids keep the power on when communities need it most.

Enchanted Rock Benefits

Improve customer resiliency and mitigate long-duration outages

Reduce costly grid upgrades using distributed energy resources

Lower supply costs by monetizing distributed assets in support of the grid

Reliability by the Numbers

486 MW commissioned microgrids

99.996% combined reliability

224+ distributed generation sites

24/7 support from microgrid Network Operations Center



Reliability by Design

Enchanted Rock was established on the reliability principles from our founders' experiences with NASA and the US Nuclear Navy. In fact, many of our team members also have backgrounds working with mission-critical applications, so they are experts in this field of work. Enchanted Rock's resiliency microgrids boast a standardized and modular design, allowing for high-quality maintenance due to consistent technical training and readily available parts.

Risk-Free Turnkey Service

Enchanted Rock utilizes a "run loaded, run often" approach instead of only running during emergencies. This minimizes the potential for an operational surprise by providing constant testing and conditioning for the generators. Additionally, Enchanted Rock employs a 24/7 Microgrid Network Operations Center to ensure routine maintenance is performed at proper intervals and potential issues are mitigated before they become a problem.

Cleaner, More Efficient Power

Enchanted Rock microgrids provide clean, fast-response emergency power that supports end customer loads during grid outages or disturbances. Enchanted Rock's resiliency microgrids are powered by natural gas (or a renewable natural gas option), allowing them to provide power for any duration - ranging from hours to weeks. This is unlike other backup options, such as solar and storage microgrids that are limited by available sunlight and a two-to-four hour discharge. Natural gas also produces less carbon, NOx, and particulates than traditional diesel backup equivalents, all while maintaining extremely high levels of reliability. With NOx emissions below 0.14 lb/MWhe, Enchanted Rock generators have unrestricted annual run time, which allows public power utilities to increase sustainability by integrating more renewables into their energy supply.

Clean
+
Affordable
+
Reliable
+
Safe
+
Resilient
=
Increased
Customer Satisfaction

