

OUTFOX OUTAGES WITH A MICROGRID



Organizations like yours can't outrun climate change, but you can outfox the disruption it brings. As weather events become supercharged, organizations are deploying microgrids for 24/7 power no matter what the weather brings. Are microgrids right for you? Here are four questions to ask to get you started.

Do you have steady power when and where it's needed?

Climate-adaptive, sustainable business models include battery energy storage systems (BESS), clean energy sources such as solar photovoltaic (PV) panels, and other generation sources—all controlled by a microgrid.

Renewable power from solar, wind, and waves is variable, which affects power quality. Microgrids quickly ramp up or down to balance supply and demand. Microgrids ensure steady distribution of stored energy day and night to effectively reduce power interruptions and intermittency from renewables.

Can you weather storms?

Organizations are tapping climate analytics to identify the likelihood of climate hazards and the resulting impacts on their operations. With this knowledge, they prioritize funding towards adapting their buildings, systems, and functions to address the predicted risk.

Microgrids are a top mitigation measure because they protect against outages, nixing costly operational downtime. By providing localized power and control, microgrids also strengthen the central grid by reducing peak demand, which benefits the entire community.

Do you want to cut costs?

Businesses with microgrids and BESS can transition off the central grid to their own systems, which is beneficial if the utility charges time-of-use rates. Onsite generation, storage, and a microgrid provide reliable energy often at lower rates than organizations can purchase from the electric utility, which cuts costs.

Organizations can potentially sell stored surplus power back to utilities, creating a revenue stream that offsets costs of building and operating the microgrid. Utility compensation can be significant at the commercial scale.

Do you have sustainability goals?

Many organizations are delivering their goods and services from green facilities. Green buildings focus on all systems to design an ideal clean structure, but the energy system affects nearly every facility function, including transportation as electric fleets and vehicles continue their rise.

Businesses who use renewable sources amplify their sustainable practices and meet their "green energy" goals. Microgrids help regulate renewables by stabilizing their integration into localized energy management, helping to decrease carbon footprints and increase resilience and sustainability.



Did you know?

Black & Veatch deployed:

150+
microgrids for commercial,
industrial, and military entities

700+
distributed energy build-outs

Ready to build energy resilience? [Contact Us](#)
BV.com | +1 913-458-2000

