

RENEWABLE GENERATION TO OPTIMIZE OPERATIONS



As electricity costs eat at the bottom line, organizations like yours are rethinking energy. Do you want more control over energy costs, sources, and management? Decision-making about technology investment is not as simple as changing a lightbulb. Here are five essential approaches to ensure distributed energy infrastructure investment provide resilience now and into the future.

Know Your Resilience Risks

Understanding and mitigating risks is essential to ensuring resilience. Physical climate analytics assess whether existing infrastructure and/or physical assets will sustain damage or impairment due to extreme weather and climate change. This helps you decide the where, when, and how of distributed energy deployment.

Select the Right Technology for Today

Identify available and emerging technologies that best match your risks, goals, assets, and operations. Is your location sunny? Consider solar generation and storage. Do you want the flexibility to operate separately from the grid? Consider a microgrid. Assess opportunities for revenue. Onsite generation and storage 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, which can be significant at the commercial scale.

Design for Tomorrow

Well-designed energy systems are modular. They serve you now and easily integrate new technologies as your organization's requirements evolve. Think ahead 3-10 years. Are you mandated to slash emissions? Will you electrify your fleet? It may be most cost-effective to install existing and anticipated on-site distributed infrastructure at the same time.

Evaluate Macro-Resilience

Infrastructure rating tools such as Envision™ help you define the right infrastructure project and approach to guide resilient and sustainable infrastructure reflective of your goals and the community in which you operate. Through data analysis, these tools help identify local sourcing options and reduce emissions, energy, and water use. You can increase resource stewardship without sacrificing functionality or cost by aligning resilience goals with data analysis tools.

Get Ready for Change

Understand how onsite energy generation and storage impact your operations. Set an organizational strategy to determine and manage operational impacts, keep morale high during the transition, ensure staff skills evolve to support distributed energy, and align outcomes with goals.



Did you know?

Black & Veatch has:

700+
distributed energy buildouts

49+
GW global solar experience

65
accredited Envision™ specialists in-house

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



BLACK & VEATCH