

Microgrids for New York Building Stronger Municipalities

Municipal microgrids ensure that homes, businesses, schools, and government facilities – places integral to everyday life – remain energized even during extreme weather events.

What is a microgrid? A microgrid is a localized power system that is tailored to achieve a host's specific energy goals. Microgrids enable municipalities to secure reliability, reduce energy costs, and promote sustainable practices and technologies – the ingredients necessary for a municipality to thrive.

With a municipal microgrid, towns and cities will foster a higher quality of life for residents and a more attractive economic climate to grow new and existing businesses.

Benefits for Municipalities



RELIABILITY



ENERGY SAVINGS



ECONOMIC GROWTH



ENVIRONMENTAL LEADERSHIP

Our Vision

Responding to calls from policymakers, businesses, and residents for microgrid development in New York, **Anbaric and Exelon have created a new initiative** that will establish large-scale microgrids at strategic locations throughout the state.

Our vision for microgrids is not to isolate or "island" hosts, but rather to complement and transact with the macrogrid in a way that creates **long-term economic and environmental value** for end users.

We provide a unique combination of financing, technical expertise, and development prowess to successfully integrate microgrid projects with local communities. A remarkable value to all types of communities, our business model only works when our customers save. **The alliance will finance upfront capital costs**, recouping this investment as a percentage of energy cost savings achieved from the microgrid.



Anbaric has helped develop two 660 MW High-Voltage Direct Current transmission projects in New York over the last decade, and is currently developing more than \$4 billion in energy infrastructure across the Northeast and New England. In the microgrid arena, Anbaric was co-founder of Viridity Energy, which creates controls for microgrids. Anbaric invests in projects that will have long life spans, such as electric transmission assets and large microgrids.



Exelon is the nation's leading competitive energy provider, with 2014 revenues of approximately \$27.4 billion. Exelon is one of the largest competitive U.S. power generators, with more than 32,000 MW of owned capacity comprising one of the nation's cleanest and lowest-cost power generation fleets. The company's Constellation unit provides energy products and services to more than 2.5 million residential, public sector, and business customers, including more than two-thirds of the Fortune 100.

How It Works

At its heart, municipal microgrids energize everyday life even if the macrogrid goes dark. But a microgrid is much more.

In the wake of recent extreme weather events, like Superstorm Sandy and Hurricane Irene, communities across New York experienced what life is like without a reliable power supply. Municipal microgrids provide municipalities with a highly efficient, on-site combined heat and power generation (co-gen) source.

Municipalities integrated with a microgrid will be empowered to produce or sell energy into the surrounding macrogrid based on real-time economic conditions. As a result, these communities can **reduce energy costs, secure reliability, and achieve a range of energy goals**, including lower emissions, increased renewable sources, and deployment of distributed energy resources like energy storage and smart meters.

