



PEAKING POWER PROJECT

NORTH CAROLINA MUNICIPAL POWER AGENCY

OWNER

North Carolina Municipal Power Agency

LOCATION

Monroe, North Carolina, USA

PRODUCT

Titan™ 130 (12 MWe) Gas Turbine

CUSTOMER VALUE

Sustainable Energy Production

North Carolina Municipal Power Agency Number 1 (NCMPA1) provides wholesale power to 19 cities and towns in western North Carolina. During peak periods the NCMPA1 was running critically low on electric capacity, putting customers in danger of losing power. To remedy the situation, NCMPA1 decided to construct an additional power generation facility in Monroe using two highly efficient 12 MW Titan 130 gas turbines.

The Monroe Plant began operation in early 2010, and is operating remotely on short notice during periods of high demand and high market prices. The city estimates that the two Titan 130 gas turbine generator sets will operate mainly during peak demand periods, usually in the summer, and provide enough power for 28% of the city's emergency power needs during this peak period. The twin turbines will be powered by natural gas from the Monroe city-owned gas system, but can also run on diesel fuel in the event of an emergency, such as a hurricane or ice storm. Another benefit of the plant is that it is expected to enhance the area's ability to recruit and retain industrial firms.

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