



11.3 MWe Dual-Fuel Mobile Power Power for Shale Gas Plant Commissioning

OWNER:
Williams Partners L.P.

PRODUCT:
Two Taurus 60 Mobile Power Units

APPLICATION:
Gas Processing Plant Commissioning Power

CUSTOMER VALUE:
Island Mode Power
Rapid Start-Up
Reliable and Efficient
Environmentally Friendly Power
Large On-Load or Off-Load Frequency Control

When Williams began building their Bucking Horse natural gas processing plant in Wyoming's Niobrara Shale, they faced a major issue—no power lines were available. The local utility set about bringing power to the facility, but electricity wouldn't be available to support plant commissioning. Williams turned to Peterson Power, who suggested two Taurus™ 60 MPU packages from Solar Turbines, each rated at 5,670 kW (ISO), along with transformers, breakers, and a black start generator. Peterson brought the equipment to site, supervised the setup, started the turbines, and trained the plant's operators. The plant's commissioning included the start of motors as large as 2,000 horsepower—one of the reasons Peterson Power had offered gas turbines, as they can handle large on-load or off-load demands and still maintain good frequency control. In the end, because of the reliable electricity the MPUs provided, the Bucking Horse plant was able to start up and go on-line five months early.

Solar Turbines
A Caterpillar Company

11.3 MWe - Gas Fueled Mobile Power Units



PROJECT DATA

Two Taurus 60 Mobile Power Units

Gas / Liquid Fuel

Provided by Peterson CAT on a Short Term Basis

Furnished Utility-Quality Power For Gas Plant Commissioning

Plug-and-Play, Pre-Packaged Design



OUR PRODUCTS AND SERVICES

Gas Turbine Generator sets Packaged in Mobile, Trailer-Mounted Design

Installation, Commissioning, and Operator Training

Taurus 60 MPU Comprised of Two Trailers

HIGHWAY TRANSPORTABLE

EASY ACCESS FOR CUSTOMER CONNECTIONS

NO CONCRETE FOUNDATION REQUIRED

COMPACT FOOTPRINT

LOW EMISSIONS OPTIONS AVAILABLE

WIDE RANGE OF PRODUCT SUPPORT

The Solar Turbines Mobile Power Unit is a complete power plant solution that offers a suite of modular options that include natural gas, liquid, and dual fuel designs. In addition, switchgear and the motor control center are standard equipment, making the installation a simple matter of locating the equipment and connecting it together, all within a few days. The MPU modules are on trailers - arriving on site ready to be piped, wired, and commissioned in a time span much shorter than the typical custom power plant design cycle. The compact footprint allows for installation in tight areas such as utility substations or industrial backlots. Designed as a complete power plant, the Taurus 60 MPU's are highway transportable, offer easy access for customer connections, require no concrete foundation, have a compact footprint, and offer low emissions options.

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