

Enerflex in Action



Lea County, Hobbs, New Mexico, USA

6.8MW Modular Power Island Supports Continuous Midstream Operations

The client partner required a reliable, high-capacity prime power solution to support midstream operations at a remote site. However, the project presented several key challenges:

- Environment included rugged terrain and extreme heat
- Remote operating conditions required equipment capable of independent operation while remaining easy to transport and deploy
- Limited site space required a compact footprint and minimized balance-of-plant infrastructure to simplify integration
- Aggressive timeline, with the need for full system deployment and operation within five months



- Extremely low emissions requirements without the use of an SCR

The Enerflex power generation team responded with a custom-engineered modular power island solution, delivering four 1.7 MW (2500 hp) units – a total of 6.8 MW (10,000 hp) – designed for reliability, durability, and rapid deployment.

Key features of the solution included a Hot-Temp package design engineered to maintain full power output in extreme temperatures, supporting heavy-duty, continuous operation in demanding environments like the Permian Basin. The modular configuration enabled efficient transportation and installation, including in hard-to-access locations, while the compact footprint provided greater flexibility for site layout and reduced overall space requirements.

Each unit included integrated generator circuit breakers for embedded protection and safe generator isolation, reducing the need for external switchgear while simplifying installation and enhancing safety.

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Power – Wherever Performance Demands It



Outcome

Enerflex delivered all four units on schedule and to specification, empowering the customer to establish reliable prime power at a remote midstream site without compromising operational performance or emissions requirements.

The fully operational power island now provides continuous power generation to support ongoing midstream operations in one of North America's most demanding oil and gas environments.



By combining modular engineering, rapid deployment capability, and deep operational expertise, Enerflex successfully executed a complex power generation project under demanding site and schedule conditions.



"When we needed 10,000 hp (6.8 MW) of prime power at a remote Permian Basin site — on a five-month timeline, in extreme heat, with strict emissions requirements and limited space — Enerflex delivered. All four units arrived on schedule and to spec, and the modular design made deployment straightforward even in a hard-to-access location. We now have continuous, reliable power supporting our midstream operations without compromising on performance or emissions. Enerflex found a way to check every box."

— Midstream Client Partner

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