

Potential Waste Heat Compressor Sites

Many natural gas pipeline companies utilize large gas turbines to power the transportation of natural gas to their customers. The hot exhaust gas from these turbines has generally been vented to the atmosphere as waste heat. Recovering the heat produced by these machines and using this energy to generate electricity where feasible is a way to promote increased energy efficiency and reduce green house gas (GHG) emissions. Pipeline companies with facilities in the United States, in concert with the Interstate Natural Gas Association of America (INGAA), have considered ways of expediting the development process for compressor station waste heat recovery projects. As a result of these considerations, the member pipeline companies of INGAA, have agreed to identify on a voluntary basis gas turbine compressor stations on their systems that:

Have a total gas turbine station capacity of at least 15,000 hp; and operated at or more than 5,250 hours per year (60 percent load factor) over the previous 12 months.

The 60% load factor will apply to a sustained station output of 15,000 hp, either from a single unit or from multiple units operating at the same time (i.e., the station provides 15,000 hp or greater for at least 5,250 hours per year).

The Northern Border gas turbine compressor stations that meet the above criteria are:

Station 1 Montana
Station 2 Montana
Station 4 North Dakota

Compressor stations that either have waste heat recovery units already installed or have projects that are currently under development or construction are not included in this list.

Additional information will be provided to third-party developers upon request, subject to certain conditions and the signing of a confidentiality agreement. For more information, please contact:

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