



DANSKAMMER ENERGY CENTER

Case No. 18-F-0325

1001.7 Exhibit 7

Natural Gas Power Facilities

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Exhibit 7: Natural Gas Power Facilities

7(a) Estimate of Monthly and Hourly Gas Usage by Facility

The proposed Project facility (combined cycle plant) will use a maximum of approximately 4 BBtu per hour, Higher Heating Value (HHV), based on manufacturer's specifications.

The estimated monthly gas usage over a typical year of operation was approximated based upon Danskammer's Infinity PROMOD analysis. The detailed analysis is provided in Exhibit 8: Electric System Production Modeling. The projected average monthly gas use for the Project facility is listed in Table 7-1. To be conservative, the analysis assumes that the facility will be operated using only natural gas as the fuel.

Table 7-1. Projected Average Monthly Gas Use

Month	Danskammer Energy Center (BBtu, HHV)
January	2,419
February	1,680
March	924
April	971
May	2,433
June	2,475
July	2,903
August	2,851
September	2,291
October	1,781
November	2,305
December	1,938
Total	24,971

7(b) Natural Gas Pressure

The Project facility will be connected to an upgraded CHGE natural gas metering station located on the property. Gas will continue to be supplied to the site via an existing 12-inch steel service line. Operating pressure at the CHGE interconnection is expected to vary from a minimum operating pressure of 200 pounds per square inch gauge (psig) to 750 psig. This pressure

range was provided to the Project by CHGE and was determined by running CHGE's model of its gas distribution system at various anticipated loading conditions of the Project facility and other gas consumers on the system. The Project facility will have a dedicated fuel gas compressor station to boost the gas pressure to the operating pressures required by the combustion turbine generator of about 700 psig.

CHGE will replace the existing metering equipment to provide more capacity and to include redundancy to allow maintenance during continuous operation of the new baseloaded power generating facility.