

92 04-041

Farris, Michele

From: Myron Steckler [stecklermm@bepc.com]
Sent: Tuesday, February 22, 2005 11:07 AM
To: slarsen@nvc.net
Cc: michele.farris@state.SD.US; Jim Berg; Russ Mather; Myron Steckler
Subject: FW: General Contact



7EAExperience as of 051404.pdf... 7FAExperience as of 051404.pdf...

Scott,

Thanks for your inquiry for information on the project we are planning to build near your community. Sorry you were not able to make it to the meeting. Following are the answers to your questions.

1)General Electric has a significant amount of experience with natural gas turbines. Attached are two lists of gas turbine installations. The one list is on the model 7EA which is slightly smaller than the LMS100 and the other list is on the model FA which is larger than the LMS100.

2)There are two noise guarantees for the project, near field and far field. The near field limit is 85 dBA and is defined as noise measured 3 ft. from the equipment and 5 feet above the ground. The far field limit is 65 dBA and is defined as the noise level 400 ft. from the equipment and 5 feet off the ground. A baseline noise study was completed at the site last Fall. A copy of this study is included in the South Dakota Public Utilities Commission (PUC) Application. A copy of this application can be obtained from the commission.

The Groton generating station is considered a minor source of emissions as determined by the EPA rules governing these types of facilities and the volume of emissions. The emissions were modeled using the most advanced modeling criteria as specified by the State of South Dakota and EPA. These modeling results showed that there would not be any adverse impact or deterioration of the air quality in this area. The results of the modeling and the State of South Dakota's evaluation of the emissions are addressed in the Title V Air Quality Permit which is currently out for public comment. A copy of this permit can be obtained from the State of South Dakota upon request. If you have any questions as to the volume of emissions or the potential impact to yourself or others of concern you should contact the State of South Dakota for their assessment.

3)The main purpose for the Groton Generation Station is to serve Basin's members peak demand. Historically this demand has been during the Summer peak and during the on-peak hours during the day which are typically from 7am to 11pm. However the unit may run at any time through-out the year as a back-up to our base load units and or during other peak demands. Basin currently expects the unit will run between 5 to 15% of the time.

4) The Groton turbine generator is unlikely to effect the gas price or supply in the area. The gas supply interconnection will be with Northern Border's 42-inch transmission pipeline located approximately 12 miles South of the site. Basin is planning to own and operate the 12 miles of pipeline needed to interconnect. The volume of gas required is very small relative to the volume available on this line. Basin plans to purchase the gas from a Basin Electric subsidiary, Dakota Gasification Company. Dakota Gas produces natural gas by gasifying lignite coal. The plant is located near Beulah, North Dakota and uses the Northern Border 42-inch transmission line to transport the gas produced.

Myron Steckler, P.E.
East Side Peaking/Groton Generation Station
Project Coordinator
Basin Electric Power Cooperative
1717 East Interstate Ave.
Bismarck, ND 58503

stecklermm@bepc.com
(701) 355-5698

-----Original Message-----

From: Kathi Risch
Sent: Monday, February 14, 2005 12:18 PM
To: Myron Steckler
Cc: Julie Slag
Subject: FW: General Contact

Myron,
Questions on Groton sent to the Web Site from someone who couldn't attend the public meeting.

Kathi Risch
Supervisor, Public and Member Communications
Basin Electric Power Cooperative
1717 E. Interstate Ave.
Bismarck ND 58503
Phone - 701 355 5606
Fax - 701 255 5142
E-mail - krisch@bepc.com

-----Original Message-----

From: webeditor@bepc.com [mailto:webeditor@bepc.com]
Sent: Monday, February 14, 2005 12:13 PM
To: DL: Web Editor
Subject: General Contact

fullname: Scott Larsen
company:
phone:
email: slarsen@nvc.net
website:
address:

comments: I live in Groton, SD and was not able to attend the public meeting regarding the new gas-fired peak generator that is being planned and I had a few questions:

1. Where are other locations with generators similar to General Electric LMS100 turbines installed (since it appears yours is the first contract for this model)?
2. How much noise and pollution are produced by the generator when it is running?
3. What amount (hours/day-week-month-year) is the generator expected to be used? How much is this expected to change over the life of the generator as electricity demands increase?
4. Could the generator have any effect on local natural gas prices or supplies?

Thanks for any info on this.
action: submit