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THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF SOUTH DAKOTA

SOUTH DAKOTA PUBLIC  
UTILITIES COMMISSION

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IN THE MATTER OF THE APPLICATION  
OF BASIN ELECTRIC POWER COOPERATION,  
INC. FOR AN ENERGY CONVERSION FACILITY  
PERMIT FOR THE CONSTRUCTION OF A  
COMBUSTION TURBINE GENERATOR NEAR  
GROTON, SOUTH DAKOTA

EL04-041

\* \* \* \* \*

Transcript of Proceedings  
February 3, 2005  
6 o'clock, p.m.

\* \* \* \* \*

BEFORE THE PUBLIC UTILITIES COMMISSION,  
GARY HANSON, CHAIRPERSON  
BOB SAHR, VICE CHAIRPERSON  
DUSTY JOHNSON, COMMISSIONER

COMMISSION STAFF  
John Smith  
Karen Cremer  
Greg Rislov  
Michele Farris  
Sara Greff

Taken at:  
Coco's Restaurant  
Junction of Highways 12 and 27  
Groton, South Dakota

Reporter: Tammy Erickson, RPR

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1 WHEREUPON,

2 the following proceedings were had, to wit:

3 COMMISSIONER HANSON: Good evening, Ladies and  
4 Gentleman. Members of the Public Utilities Commission  
5 welcome you here this evening. We're gathered for the  
6 purpose of a public hearing for a proposed energy conversion  
7 facility. My name is Gary Hanson and I'm a commissioner with  
8 the PUC. With me this evening is Commissioner Bob Sahr and  
9 Commissioner Dusty Johnson. We appreciate your attendance  
10 and would like to remind our staff to turn off their cell  
11 phones.

12 Also, there is a sign-up sheet. We would very  
13 much appreciate it if you would sign up, give us the  
14 information so that if there is a need to make note of who's  
15 speaking and who needs additional information, we will have  
16 that available to us.

17 For those of you who wish to testify this  
18 evening, please make certain that you speak loud enough for  
19 everyone in the crowd. If you need to use the microphone, we  
20 have a fairly lengthy cord. There is a court reporter this  
21 evening and for that reason we also want you to speak up and  
22 let us know who you are.

23 We will now begin the public input evening  
24 hearing concerning an application submitted by Basin Electric  
25 Power Cooperative, and by the way, if there is any juncture

1 while we are speaking that you are unable to hear us, please  
2 raise your hand and we'll take care of that. For a permit  
3 for an energy conversion facility. The date is February 3rd,  
4 2005. The time is 6 p.m. and the place of this hearing is  
5 Groton, South Dakota. The purpose of this hearing is to  
6 provide information to the public about Basin's proposed  
7 project and to hear public comments regarding Basin's  
8 project. Interested persons may present their views and  
9 comments regarding the application. A copy of the  
10 application is on file with the Brown and Spink County  
11 auditors.

12           On December 22nd, 2004, Basin Electric Power  
13 Cooperative, Incorporated submitted to the Public Utilities  
14 Commission an application for a permit for an energy  
15 conversion facility. Basin Electric is a consumer-owned,  
16 regional cooperative headquartered in Bismarck, North Dakota.  
17 Basin proposes to construct a new 100-megawatt simple-cycle  
18 gas turbine approximately five miles south of the City of  
19 Groton, three miles north of the community of Ferney and  
20 eighteen miles southeast of the City of Aberdeen; all of  
21 which is in Brown County.

22           The parties to this proceeding at this time are  
23 Basin Electric and the Commission. Under South Dakota law,  
24 each municipality, county and governmental agency in the area  
25 where the facility is proposed to be constructed, any

1 nonprofit organization formed in whole or in part to promote  
2 conservation or natural beauty, to protect the environment,  
3 personal health or other biological values, to preserve  
4 historical sites, to promote consumer interest, to represent  
5 commercial and industrial groups or to promote the orderly  
6 development of the area in which the facility is to be  
7 constructed or any interested person may be granted party  
8 status to this proceeding by making written application to  
9 the commission on or before February 21st, 2005. We do have  
10 applications available here this evening if you would like to  
11 apply for party status.

12           Basin Electric must show that the proposed energy  
13 conversion facility will comply with all applicable laws and  
14 rules, that the energy conversion facility will not pose a  
15 threat of serious injury to the environment or to the social  
16 and economic condition of inhabitants or expected inhabitants  
17 in the siting area and the energy conversion facility will  
18 not substantially impair the health, safety or welfare of the  
19 inhabitants and that the energy conversion facility will not  
20 unduly interfere with the orderly development of the region.  
21 With due consideration having been given to the views of the  
22 governing bodies of the affected local units of government,  
23 the Commission will decide whether the energy conversion  
24 facility should be granted, denied or granted upon such  
25 terms, conditions or modifications of the construction,

1 operation or maintenance of the facilities as the Commission  
2 finds appropriate.

3 Basin Electric will begin with a presentation to  
4 explain its proposed project. Following that presentation,  
5 we will take comments from any interested persons and we want  
6 to encourage members of the public to present your views. I  
7 would remind you again that there's a sign-up sheet and you  
8 may also submit written comments to us if you wish. Thank  
9 you for allowing me those remarks at this juncture and Basin  
10 Electric, the floor is yours.

11 MYRON STECKLER: I'll probably grab that mike.  
12 I'm not sure where I should stand to stay out of everybody's  
13 way here.

14 Thank you, commissioners. My name is Myron  
15 Steckler. I'm the overall project coordinator for this  
16 project and obviously I work for Basin Electric. I guess  
17 before we get started, I'd like to introduce some of the  
18 people I brought with me from Basin Electric. We have Jim  
19 Berg who's our environmental coordinator; Curt Pearson,  
20 marketing coordinator, and also Russ Mahler, our staff  
21 counsel. We had a lot of discussions on the way down here  
22 why we brought him with and it went from to drive, but I  
23 think we're going to make him pay for supper. Also with us  
24 we have three folks I believe here from Tetra Tech. Tetra  
25 Tech is a consulting and environmental consulting firm that

1 we hire from time to time to help us with the environmental  
2 permitting effort and that's Bob Farns, I'm not sure where I  
3 saw him, Bob Hammer and I don't remember the name of the --

4 LEONARD NELMS: Len Nelms.

5 MYRON STECKLER: Okay. I guess I'll start out  
6 with I guess like you had mentioned what the project is. We  
7 started out eighty to a hundred megawatts. The unit that  
8 we're looking at is a hundred megawatt natural gas-fired  
9 peaking turbine generator at an estimated cost of \$69  
10 million.

11 I just want to point out it's a peaking unit  
12 expected to run probably ten to fifteen percent of the time  
13 to handle our peak demand and I will cover that a little bit  
14 more later on.

15 Before I get started, I just want to give you a  
16 little presentation on who Basin Electric is for those of you  
17 who don't know. Basin Electric is a regional wholesale power  
18 provider to our member co-ops. We have I guess I believe  
19 it's ten Class A members. That blue here is the area that we  
20 provide power to in the blue and within those nine or ten  
21 Class A members, there are an additional hundred and twenty  
22 member cooperatives of which I guess I want to point out the  
23 East River Power Cooperative is the Class A member in this  
24 area, and then we provide -- it's Basin's responsibility to  
25 provide power, create and deliver to our Class A members;

1 East River being one of those Class A members. East River  
2 then in turn supplies power to its member co-ops. Northern  
3 Electric is the member co-op for Spink and Brown County. I  
4 guess that's where Groton is.

5 As far as Basin's resources, I just want to touch  
6 on that a little bit. We have Antelope Valley Station which  
7 is up near Beulah, North Dakota. There's two units there at  
8 450 megawatts. Leland Olds Station, also in North Dakota.  
9 It's near Stanton, and that's a combined capacity of two  
10 units there at 650. We also have Laramie River Station in  
11 Wyoming and that is three units, 550 megawatts each. Basin  
12 operates this unit, but only has about 50 percent of the  
13 capacity from it. We also have two peaking units, one in  
14 Spirit Mound Station in Vermillion, South Dakota, and also  
15 the Wyoming distributive generation, there's nine small  
16 gas-fired units in and around the Gillette area and these  
17 units are around six megawatts each. We also have the Dakota  
18 Gasification Company where we gasify lignite coal and produce  
19 natural gas. And I guess one of the -- I just thought about,  
20 one of the other peaking units that we do have capacity from  
21 is the unit down in, what is it, Spencer, Iowa, I believe the  
22 80-megawatt unit down there.

23 We also have some wind resources. We've got two  
24 units or two turbines up in Minot with a total output of  
25 three megawatts and we have two turbines in Chamberlain, 2.6

1 megawatts, and we also have the capacity out of the  
2 40-megawatt wind farm in Edgeley and the 40-megawatt Highmore  
3 wind farm.

4 I guess Basin, I guess power goes to a lot of  
5 areas, but it covers, you know, both ag, commercial and  
6 industrial loads.

7 Basin needs to have enough capacity to serve its  
8 members' peak load. In the past -- I guess over the last ten  
9 years, our peak is typically in the summertime, so when I  
10 talk about peaking, that is the time of the year mainly that  
11 we would see it in operation. This load has, peak load has  
12 been increasing on our member systems, increasing at about 72  
13 megawatts per year.

14 Basin Electric has gone through some expensive  
15 studies to determine the capacity that we need to support our  
16 members and as you can see here, we showed a deficit as we  
17 move forward based on our ability to produce enough power for  
18 our members. In the first, you know, I suppose eight or nine  
19 years here, it has shown that the best resource to add to our  
20 portfolio would be approximately a hundred megawatt peaking  
21 unit.

22 Once we determined, Basin determined the need for  
23 additional capacity, we completed a site selection study. We  
24 started this approximately two years ago. In this study we  
25 looked at our compared gas supply, transmission access, water

1 availability, environmental impact, public impact and road  
2 access to determine the best location. We started out with  
3 about ten, I believe it's ten potential sites in eastern  
4 South Dakota, northwestern Iowa and eventually narrowed it  
5 down to the Groton site as a preferred site. I guess what I  
6 want to show here is the Groton site is probably a good site  
7 because it has good access. We have the highway that runs  
8 along adjacent to the site. There is water available, Web  
9 water has a 12-inch distribution water line that runs  
10 alongside the -- again right alongside the site. The site is  
11 adjacent to two substations so the transmission requirement  
12 is less than a quarter mile of actual transmission and the  
13 site provides a fairly close fuel supply. This project  
14 includes approximately twelve miles -- a new twelve mile gas  
15 line and the site also provides the least amount of impact to  
16 the public locating it adjacent to an existing industrial  
17 site.

18           Here is I guess an aerial photo of the area that  
19 we're looking to build the project. I just want to show we  
20 have the WAPA Area Power Administration 115KV substation in  
21 the lower left corner, the existing Groton 345KV substation.  
22 The remainder of that quarter section, Basin has recently  
23 purchased for this project and we are planning on building  
24 the turbine on the site in this area.

25           Here's that same I guess photo with an overlay of

1 the preliminary plot plan. I just want to point out here the  
2 transmission line. It's a very short transmission  
3 interconnection. That line is the existing Web water which  
4 will require a very short interconnection and the road that  
5 we plan to reach to the site would come around the north  
6 side. This would also be the route of the gas pipeline from  
7 the highway.

8 Just a blowup of that layout, again this is a  
9 preliminary layout and it's fairly close to the same thing.  
10 We may have tweaked here and there a few feet. I just want  
11 to point out a few of the items. There's going to be a  
12 maintenance/operations building. It's approximately 70 by  
13 140. We have a two hundred thousand gallon storage tank for  
14 I guess NOx control water.

15 The turbine generator, this right here is the,  
16 you know, it's the intake and the turbine and the generator  
17 sitting on the end here. We have the stack. It's  
18 approximately 85 feet tall, diameter of eleven and a half  
19 feet. Here we have the GSU or the step up transformer. We  
20 take the voltage output for the turbine which is at 13.8 KV  
21 and step it up to the 115 required time throughout the site.  
22 And on the west side here, the dry cooling tower, it's a  
23 fairly large cooling tower. It does not use water. It's a  
24 glycol system, an enclosed system just like the radiator in a  
25 car, and we're going to be building a pond on the end to

1 catch all of the rain runoff from the site and also any  
2 noncontact good water would be diverted to the pond for  
3 evaporation.

4 Just a 3-D look, you know, at the site. First of  
5 all this is a wet cooling tower. We're going to have a dry  
6 one to stay away from the water issue; much larger. This is  
7 the turbine generator intake turbine and the generator on the  
8 end here. We have the simple-cycle exhaust stack like I  
9 mentioned. This unit has an intercooler which takes the  
10 combustion air, cools it through a heat exchanger and back  
11 into the intermediate pressure compressor, and this here is a  
12 variable bleed valve and just bleeds off the combustion air  
13 during startup and shutdown, mainly during shutdown.

14 Everybody see over here? Probably late to ask,  
15 but...

16 The unit that we're going to plan on putting in  
17 is a General Electric LMS 100. This is just a picture of the  
18 turbine itself. I guess I'm going walk you through here on  
19 the technology. It's just based on the left side, combustion  
20 air comes in and goes through a high pressure or a low  
21 pressure compressor and during that compression, heat is  
22 generated. That combustion air then goes through the scroll,  
23 goes through that heat exchanger and is reintroduced back  
24 into the turbine where it goes through an intermediate and a  
25 high pressure compressor, through the combustion chamber

1 where the natural gas and water for noxious control is  
2 introduced and then is expanded out through the low,  
3 intermediate and high pressure turbines or also called a  
4 power turbine and then out through the exhaust.

5 Here is a fisheye view of a unit that's in  
6 fabrication. It's just a picture of the same turbine we just  
7 looked at. The combustion air comes in, goes through the low  
8 pressure compressor. The scrolls are not in here right now.  
9 We have the super core which is the combustion chamber,  
10 intermediate turbine, power turbine and out through the  
11 exhaust diffuser. I guess I looked at that picture several  
12 times before I noticed there's a guy standing here, but it  
13 just gives you a feel for the size of the unit.

14 This is again the turbine you just saw in  
15 fabrication. The unit is completely enclosed in a weather  
16 enclosure, also for sound stimulation.

17 Picture of the aux skid on site and with that  
18 aux skid is just your lube oil cooling pumps, turbine wash  
19 and NOx control water pumps. This will also have an  
20 enclosure around it.

21 This is a picture of the test site down in  
22 Houston. The unit will be tested before coming here. Here  
23 is a picture of the generator. Again gives you a feel for  
24 the size of the equipment. Here again, they have wet cooling  
25 towers here, we'll have dry.

1 Pipeline route, I guess I want to point out that  
2 this entire pipeline route parallels an existing six-inch  
3 line. I believe that it goes to Web. It ties into the Web  
4 valve site here. The line is ten inches in diameter. It's  
5 going to be the same pressure as the Northern Border main  
6 transmission line here. A max of 1300 and I believe 13 to 20  
7 is the max pressure. The first part of the pipeline here  
8 approximately nine miles will be installed in the existing  
9 road ditch and we have a permit with DOT or approval from  
10 them to put that pipeline in the road ditch. The last two  
11 miles cuts across some landowner property here which requires  
12 some permit easements. Again this parallels an existing  
13 six-inch line and ties into an existing valve site. There  
14 will be additional valves located here, but there will not be  
15 a new tap. There will also be a meter station.

16 Just an aerial photo of the diagonal two-mile  
17 stretch here. Our land department is in the process of  
18 working with the local land owners to get easements on this  
19 cut across.

20 Water usage for the site is fairly small for a  
21 unit of this size. The main use is for NOx control. It's  
22 around 70 gallons per minute. This water is injected into  
23 the combustion chamber and a hundred percent of it is  
24 evaporated off into the atmosphere. The second use is  
25 evaptive cooling. Evaptive cooling works just like the

1 humidifier in your furnace. The water is trickled down over  
2 a media, the combustion air is drawn through it for cooling  
3 and out of the 30 gallons per minute, about half of that is  
4 evaporated, the other half will be directed to the pond.  
5 Again this is good water, clean water, noncontact water. I  
6 just want to point out that evaptive cooling will only be  
7 used during the hot summer days, roughly 80 degrees and  
8 above.

9 Waste water for the site, again minimal.  
10 Basically what I broke it down here is noncontact and  
11 contact. Noncontact water is good quality water, it does not  
12 come into contact with any chemicals or oils, any processed  
13 fluid and that water is directed to the pond for evaporation.  
14 The contact water, again it's -- an example of the contact  
15 water would be an oily waste, you know, leaks from the  
16 turbine, you know, water from the turbine wash and what we  
17 have on site are two 3,000 -- plan to have on site is two  
18 3,000 gallon tanks where this will be directed to and we will  
19 contract with a disposal company to come in, pump it out and  
20 properly dispose of it.

21 A little information on the sound expected or the  
22 impact in the area. I guess I'll first point out, we had  
23 Tetra Tech do a noise survey at the site to kind of get a  
24 base line and they did I guess two locations here. Part of  
25 the survey is to set up two continuous monitoring stations.

1 On two different occasions they monitored the noise for 48  
2 hours. The results indicated averages that ranged from 33 to  
3 90 dBA at the, I guess the fence line near the residence to  
4 the north, and at the substation fence line saw averages or  
5 limited averages that range from 46 to 60 dBA. The contract  
6 that we would have with General Electric has a guarantee of  
7 85 dBA for the equipment and it's called a near field  
8 guarantee and basically you have three feet from any piece of  
9 equipment five feet above the ground, the noise cannot exceed  
10 85 dBA. Also part of the guarantee in the contract is what  
11 we call a far field guarantee. What that states is that 400  
12 feet from the site for any of the pieces of equipment making  
13 noise and this circle is 400 feet from any of that equipment,  
14 at this point the noise cannot exceed 65 dBA.

15 Going through the equations, this is not a  
16 guarantee, but we're projecting based on this 85 to 65, the  
17 projected noise from the unit will be 54 at the same area  
18 here of this survey point. I just want to point out, it  
19 falls somewhere in between the low and high that we saw on  
20 the survey.

21 I just want to give you an idea, you know, what  
22 does 85 dBA, what does 60 dBA represent. Here are some  
23 examples. This come out of a U.S. EPA publication. I guess  
24 a couple of them to point out, a typical construction site is  
25 85; a typical highway at a hundred feet is at 60 dBA.

1 Another example that I've seen in the past, a typical tractor  
2 is around 90, 95 dBA.

3 Construction manpower that we're projecting, I  
4 guess the site, General Electric is -- getting carried away  
5 here. The site construction that General Electric is  
6 responsible for, they're estimating peak manpower requirement  
7 of 109 to 145 people. Obviously during the beginning of the  
8 project you'll have less, peaking out at 109 to 145 and then  
9 falling off at the end of the project. The pipeline  
10 installation, the 12 miles of pipeline estimating  
11 approximately 75 construction workers. Transmission, this  
12 includes a short transmission line that I pointed out and  
13 also modifications to the Western Area Power substation,  
14 modifications required to tap in, and they're estimating that  
15 40 to 60 percent of this manpower they will get locally, I  
16 guess if available.

17 Long-term employment, we're expecting two  
18 full-time positions and that would be eight hours a day five  
19 days a week. The unit during the weekends, evenings is going  
20 to be controlled from -- at this point we're planning on  
21 controlling it from our Leland Olds Station at Stanton, North  
22 Dakota.

23 I guess just a little update on the permit  
24 environmental activity we've been working on. We have  
25 received a special exception permit from Brown County for the

1 acreage that we purchased. Air quality permit application  
2 has been submitted to the state; that is in review. Part of  
3 this application is that Tetra Tech was required to do an air  
4 model. Do not expect -- and part of the gas power unit is a  
5 really clean unit. We do not expect any problems getting  
6 that permit. Environmental assessment was also completed.  
7 The findings that we had from that was no significant impact  
8 to the environment. The copies of all three of the first  
9 items here are included in the Public Utilities Commission  
10 permit application and obviously we're working on the -- we  
11 also require a permit to construct from the South Dakota  
12 Commission, that's why we are here today.

13           Schedule for the project, if all goes well, the  
14 design keeps moving along and we get all our permits in  
15 place, we are hoping to start this summer to construct. I  
16 guess right now preferably in June is our contract with GE,  
17 but again this is tied to having all our construction permits  
18 in place. February of '06 we would actually complete the  
19 electrical interconnection and back feed power into the site  
20 to begin bumping the motors, checking the site out. April  
21 would be, April of '06, first fire, first time we'd fire the  
22 unit and it would take approximately two months for testing  
23 and tweaking on the unit before we could go commercial.

24           That's all I have. If there's any questions.

25           COMMISSIONER JOHNSON: Single fuel or dual fuel?

1 MYRON STECKLER: Single fuel, natural gas.

2 COMMISSIONER JOHNSON: Okay.

3 COMMISSIONER SAHR: I may have some questions,  
4 but I may wait to see if other people have comments. I  
5 assume you'll be here for the duration?

6 MYRON STECKLER: I'll be here a while.

7 COMMISSIONER SAHR: All right. Thanks.

8 COMMISSIONER HANSON: Does anyone have any  
9 questions of Myron at this time?

10 JOHN SMITH: I have one. May I ask a question?  
11 You talked about the noise level. What is the nearest  
12 residence to the site?

13 MYRON STECKLER: The nearest residence is  
14 approximately 1800 feet and it's on the -- right there. This  
15 is a quarter mile or a half mile and this distance is roughly  
16 17, 18 hundred feet I believe. The noise study that Tetra  
17 Tech completed, a copy of that is also in that PUC  
18 application.

19 COMMISSIONER SAHR: And with the residence,  
20 you're anticipating that the projected level or Tetra Tech  
21 has come up with 54 dBs, is that what we're looking at?

22 MYRON STECKLER: The noise from the turbine will  
23 fall off to approximately 54 at this location.

24 COMMISSIONER SAHR: And could you go to the chart  
25 that shows the relative comparisons? That's the one. So 54

1 would be between residential area during day and typical  
2 highway at a hundred feet?

3 MYRON STECKLER: Yes.

4 COMMISSIONER SAHR: And will it be louder than  
5 that at certain points in time than the 54 level?

6 MYRON STECKLER: That would be the max.

7 COMMISSIONER SAHR: That would be the anticipated  
8 max?

9 MYRON STECKLER: Yeah. You know, once you meet  
10 this 65 dBA it's basically a calculation of what to expect at  
11 this area, that being 54.

12 COMMISSIONER SAHR: And with a peaking plant like  
13 that, I believe you said that you expected that it would be  
14 operating during the summertime months, 80 degree weather or  
15 above, is that what you said?

16 MYRON STECKLER: It's typically going to be  
17 running for peak demand, summertime. Kind of a daily peak  
18 you'd be looking, you know, daylight hours; however, the unit  
19 is also going to be a backup resource for Basin's other base  
20 load units if we happen to -- one of our other units go down,  
21 we would run it other times.

22 COMMISSIONER SAHR: Are there any scenarios where  
23 you would anticipate it running say after 9 o'clock at night,  
24 other than maybe a backup to a base load plant?

25 MYRON STECKLER: You would -- yeah, you would

1 still see it run at night.

2 COMMISSIONER SAHR: At night?

3 MYRON STECKLER: At night.

4 COMMISSIONER SAHR: Would it be when it's warmer  
5 or what would be the situation where it would run at night?

6 MYRON STECKLER: Most of the time when it's  
7 warmer, but again, if you get into a backup situation, you  
8 would see it run more.

9 COMMISSIONER SAHR: How often would you  
10 anticipate the backup type situation to occur?

11 MYRON STECKLER: That part I guess I could not  
12 answer.

13 COMMISSIONER SAHR: Is that when like the plant  
14 has some sort of catastrophe, maybe it's down for routine  
15 maintenance, that sort of thing?

16 MYRON STECKLER: We get high demand area due to  
17 other units going down, the unit will run.

18 COMMISSIONER SAHR: I guess what I'm getting at  
19 is I'm just kind of curious to see how much it will be  
20 operating at night because, you know, clearly if there are  
21 affected landowners or people residing in that area, I think  
22 probably the sensitivity level is going to be a little bit  
23 higher during the nighttime hours. Again, do you have any  
24 feel for when it's going to be -- how often it's going to be  
25 running at night?

1 MYRON STECKLER: I could not answer that, but I  
2 mean the unit is going to be -- we're expecting 10 to 15  
3 percent. It is a peaking unit. It's going to run -- you  
4 know, obviously again the peaking is the summertime. Again  
5 on a daily basis, typically your peak is during the day, but  
6 there is times where it will run at night. I cannot put a  
7 number to that, how much. Ten to fifteen percent of the time  
8 it will run. Most of that will be not nighttime, but it will  
9 run; could run I should say.

10 COMMISSIONER SAHR: And have you had an  
11 opportunity to meet with the landowners in the area?

12 MYRON STECKLER: We have a land department, the  
13 guy that was down here, purchased the land, looked at the  
14 easements, has talked to some of the landowners. I do not  
15 know which ones. Kelly Suko is the guy's name.

16 COMMISSIONER SAHR: And are you talking about the  
17 nearest property or you're talking about the landowner of the  
18 actual site that you purchased?

19 MYRON STECKLER: Yeah, he I believe has talked to  
20 the residents here and also more along the pipeline route.

21 COMMISSIONER SAHR: Do you know, and is that the  
22 person who is actually living there or persons, do you know  
23 if they're owners or if they're renters? Probably some of  
24 the people in the room know.

25 MYRON STECKLER: Yeah. My understanding is they

1 owned 40 acres or something here.

2 COMMISSIONER SAHR: Are they here tonight, I'm  
3 just curious? And do we know, are any of the other  
4 landowners in that area, are any of them here tonight? We  
5 have a couple here. Sir, I'd ask you, do you intend to make  
6 some comments or are you just here for an informational  
7 standpoint?

8 UNIDENTIFIED MAN: Not at all. We're just  
9 anxious to have it come; the quicker the better.

10 COMMISSIONER SAHR: I think that's a hint that I  
11 shouldn't be asking so many questions.

12 And I would like to just give a little bit of  
13 background to some of these noise questions is we were  
14 involved in citing up an AC/DC tie in the Rapid City area and  
15 we have had some landowners express concerns about noise,  
16 especially during the evening hours, so if I seem to be  
17 obsessed with asking questions about noise comparisons and  
18 landowner type issues, it's because of our experience in that  
19 part of the state.

20 The Brown County special permit that you  
21 received, does that have any sort of noise requirements or  
22 does that require that you stay within any type of noise  
23 ranges?

24 MYRON STECKLER: No.

25 COMMISSIONER SAHR: And would you anticipate any

1 local permits addressing that issue or will it strictly be  
2 whatever might come out of this commission?

3 MYRON STECKLER: Just whatever comes out of this  
4 commission.

5 COMMISSIONER SAHR: Along the same lines about  
6 the questions about noise, do you know if you were to be in a  
7 situation where it was noisier than projected and perhaps  
8 noisier than what the commission might order, what sort of  
9 mitigation steps or what sort of analysis would you take to  
10 deal with that situation?

11 MYRON STECKLER: I'm not sure. I mean some of  
12 the things -- I guess right now the biggest thing is the  
13 guarantee is the 65 dBA and we would meet that, General  
14 Electric has to meet that. I don't believe it's going to be  
15 a problem to meet that. Some of the things that we may do is  
16 put up some sound barrier, but typically that's not feasible,  
17 not cost effective. It tends to push the project to a point  
18 where it's not worth it and especially if you try to meet  
19 that sound on all sides.

20 COMMISSIONER SAHR: Yeah, and I am familiar with  
21 the geography out there and it's very level ground. I guess  
22 what I'm getting at is if we have a situation where we were  
23 to allow the project to go forward and set some sort of  
24 expected sound level, if we had -- then if you're outside of  
25 that and a landowner were to be interested in seeing it drop

1 down, I mean what sort of steps could you take to look at  
2 doing that, to do that?

3 LEONARD NELMS: One of the simplest things to is  
4 vegetative barriers, evergreen barriers that diffuse the  
5 sound and that's -- one of the points at that house, there's  
6 also a vegetative barrier there.

7 COMMISSIONER SAHR: May I ask you to identify  
8 yourself for the court reporter?

9 LEONARD NELMS: I'm sorry. I'm Len Nelms with  
10 Tetra Tech.

11 COMMISSIONER SAHR: Thank you.

12 COMMISSIONER JOHNSON: So that 54 decibel level,  
13 is that taken on the other side of the vegetative barrier, I  
14 mean your estimates, or ahead of it?

15 LEONARD NELMS: That would be before the  
16 vegetative barrier and that's the outside level. Keep in  
17 mind that a home or a building would attenuate sound as well.

18 COMMISSIONER JOHNSON: Any idea how much?

19 LEONARD NELMS: Excuse me?

20 COMMISSIONER JOHNSON: Any idea how much and I  
21 know you're estimating, but --

22 LEONARD NELMS: It's hard to estimate. I mean we  
23 have semis going by out there and I haven't heard one yet,  
24 but buildings particularly when windows are closed are very  
25 good at deadening sound. Keep in mind too, 54 is an

1 estimate. You run the math and you do the calculations,  
2 sound level decreases with distance.

3 COMMISSIONER JOHNSON: Could we talk about the  
4 holding pond for just a bit?

5 MYRON STECKLER: Sure.

6 COMMISSIONER JOHNSON: How large?

7 MYRON STECKLER: I do not have the answer right  
8 now for the volume, but what I can point out is -- this was  
9 an early, I guess just started conceptional layout, the  
10 actual pond is going to be much smaller, it's probably going  
11 to be around that size.

12 COMMISSIONER HANSON: Can I ask you to speak a  
13 little louder please?

14 MYRON STECKLER: It's going to be about  
15 two-thirds that size. The actual volume I do not know right  
16 now and it's designed for a 50-year extreme rainfall.

17 COMMISSIONER JOHNSON: And so that is two things,  
18 the noncontact water and then also the runoff from the  
19 asphalt areas?

20 MYRON STECKLER: Yes.

21 DOUG SOMBKE: There's already --

22 COMMISSIONER HANSON: Sir, do you want to  
23 identify yourself?

24 DOUG SOMBKE: Doug Sombke, I farm that land.  
25 There's already a runoff pond there with the existing

1 substation. Is there some reason you're not using that  
2 existing pond rather than building the other one?

3 MYRON STECKLER: The existing pond is part of the  
4 345 sub which there are three participants involved in that.  
5 It's not a hundred percent Basin owned. This was a -- it's  
6 just an easier method of, you know, handling that runoff.

7 DOUG SOMBKE: I'm trying not to lose so much  
8 farmland, that's the reason I ask that.

9 MYRON STECKLER: No, I mean we're probably  
10 talking here four or five acres I guess just a quick  
11 estimate.

12 COMMISSIONER HANSON: Are there further  
13 questions, members of the audience? Yes, sir.

14 MIKE WILLIAMS: Mike Williams. Does the pipeline  
15 allow for a future expansion, a second turbine by chance?

16 MYRON STECKLER: We did, you know, when we're  
17 going in putting a pipe in, try to look at what made sense  
18 early on, what to size up and we did design or are designing  
19 a pipe, the ten-inch pipe is good for an additional unit down  
20 the road if that ever becomes a need, a Basin need.

21 COMMISSIONER SAHR: And I'm just curious, have  
22 you been involved in building similar units before?

23 MYRON STECKLER: We've been involved with the --  
24 there's a Wyoming distributor generation that has nine small  
25 units and basically they're a lot like this, they're turbine

1 generators. It has a stack, has a building. Those units do  
2 not have the intercooler, they don't have the cooling tower.  
3 They do not have a pond, but you know, it's fairly similar.  
4 We also have the 80-megawatt unit that we are part-owner of  
5 down in Iowa. They were responsible to build it, but we were  
6 involved with that also.

7 COMMISSIONER SAHR: And have you had any noise  
8 complaints with those units?

9 MYRON STECKLER: No.

10 COMMISSIONER SAHR: And are there landowners as  
11 close as they are at this particular unit?

12 MYRON STECKLER: I'm trying to picture it. There  
13 are some that are fairly close. I would say that they're not  
14 that close.

15 COMMISSIONER SAHR: I mean just because if you  
16 drive that road, you can see how close that house is to where  
17 this is being proposed. And do you know, have there been any  
18 other situations, maybe not that you've been involved with,  
19 but that you've heard about involving these type of units and  
20 noise from neighboring landowners?

21 MYRON STECKLER: I have not.

22 COMMISSIONER SAHR: And obviously it's different  
23 than an AC/DC tie. Are there any dynamics with this type of  
24 turbine that would maybe make it less likely to be subject to  
25 noise complaints from local people in the area?

1 MYRON STECKLER: I don't know.

2 COMMISSIONER SAHR: I mean obviously if it  
3 operates ten to fifteen percent of the time, that might be  
4 one mitigating factor.

5 LEONARD NELMS: Len Nelms again. I've been in  
6 and around a number of gas turbine plants. There is a whine.  
7 It's a steady whine when they're running. It's -- you think  
8 of it as like a jet engine, but it's very, very different.  
9 It's not anything that is even really noticeable inside the  
10 buildings of the power plants.

11 COMMISSIONER SAHR: Thank you. Do you have any  
12 experience with any landowner issues coming up or generally  
13 those aren't that big of issue with these type of units?

14 LEONARD NELMS: Generally these units, the plants  
15 I've worked in haven't had noise issues.

16 COMMISSIONER SAHR: Thanks. I appreciate that.  
17 I may have some additional questions. I kind of want to hear  
18 what members of the public are going to ask.

19 DOUG SOMBKE: Doug Sombke again. When you guys  
20 are taking those tests for the sound, there's a whine there  
21 now. Do you know what level that whine is at?

22 LEONARD NELMS: That level was the background at  
23 the fence line area. It's basically the hum of transformers  
24 and the crackling of the power line and in the area near the  
25 transformers it was up in the 60, 65 decibel range, down to

1 50 decibels at the existing fence line at three directions.  
2 It's louder at the road because the fence is much closer.

3 DOUG SOMBKE: Was that a humid day or was that a  
4 fairly dry day because I know it's made a difference. Like  
5 when I've been out there, when it is humid it is a lot  
6 louder.

7 LEONARD NELMS: I'm trying to remember. It was  
8 late August on the first one and then the second set of data  
9 was in late September. In September we had a huge storm that  
10 came through, it was rainy that period of time I know. I  
11 know we shielded the noise monitors from the standpoint of  
12 potential rain in August. So I don't think it was  
13 particularly dry, no, is my recollection.

14 COMMISSIONER SAHR: Do you live out there as well  
15 as farm?

16 DOUG SOMBKE: No, I just farm that ground. I  
17 don't live in that house.

18 COMMISSIONER SAHR: I mean I'm going to ask you a  
19 question and if you're not comfortable answering it, that's  
20 fine too. How is the noise level, it sounds like it's  
21 going to be somewhat close to what they're projecting, maybe  
22 not inside that house, but on the outside fence line. How  
23 loud would you think it is? I mean is it very loud,  
24 moderately loud, not loud?

25 DOUG SOMBKE: It's -- I would call it noticeable.

1 I mean it's -- you'd probably get used to it, but it's not an  
2 annoying noise by any means. It's just like a constant hum  
3 and you know, like I said, as the humidity gets heavier, it  
4 gets more of a crackle sound to it. It's -- I think it's  
5 something you probably get used to, but it's not like these  
6 semis going by now, it's nothing like that. Definitely not  
7 annoying like that.

8 COMMISSIONER SAHR: And I've asked questions  
9 about, you know, what sort of mitigation steps you might be  
10 able to take and I appreciate your response to those. I mean  
11 what would you do if you just have a landowner or someone  
12 living in that house that just absolutely can't stand the  
13 noise level, I mean do you look at further mitigation, do you  
14 look at buyouts, what type of thing is the next step?

15 MYRON STECKLER: I guess I'm not sure how to  
16 answer that one. We found a reason why we brought this guy  
17 along.

18 COMMISSIONER SAHR: I want to give your attorney  
19 a chance to get some billing time in.

20 RUSS MAHLER: I'm not buying dinner anymore. You  
21 know, you're referring to the Rapid City tie and we have some  
22 experience with that as you're aware. It's incredibly  
23 important I think for all of us to do as you're doing which  
24 is to focus up-front on what the noise levels are because  
25 once we get past a point where it's in and it's performing

1 the way it needs to perform, it's incredibly difficult fairly  
2 to answer the questions that you're posing because as has  
3 been discovered in a lot of different areas, noise and  
4 people's response to noise is very, very subjective. So we  
5 couldn't tell you offhand if we meet a standard, I mean what  
6 we try to do and what we hope to do here is going up-front  
7 and say this is what we expect the noise to be. These are  
8 the terms that hopefully we all can agree to in the  
9 stipulation or in the permit as it's issued and if we meet  
10 that, we expect to be held to that, but we don't expect to  
11 have to go in constantly after that and try and better it and  
12 better it and better it because we can't tell you what it  
13 would take to do that. There's different kinds of noise  
14 sources. Noise sources aggravate together and produce  
15 different effects that sometimes aren't noises that are  
16 irritating to some people. So it's really important that we  
17 do what we do and say the noise level is going to be X and we  
18 all have to be comfortable with that up-front. It's not as  
19 satisfying an answer as I'd love to give you. I'd love to go  
20 in and say well, we'll buy out anybody that doesn't like it.  
21 We can't say where that would begin and end. I mean we  
22 absolutely can't say how far we'd go with trying to take that  
23 kind of thing into account, so we'd really like to focus on  
24 getting a noise level that's acceptable. We will absolutely  
25 meet the noise level that we agree to. We'll do what it

1 takes to meet that noise level, but I don't think we're in a  
2 position to promise you that we will continually try and  
3 decrease that because I don't know if we can.

4 COMMISSIONER SAHR: And as I'm sitting now, you  
5 know, in this case you have somebody who's very close to the  
6 proposed site; fewer people if you just start going a little  
7 bit further away. The question I have then is, you know,  
8 what sort of level do you think is appropriate from the  
9 farmhouse type standpoint? I mean we talked about the  
10 guarantees and the fence. Are you saying that 54 is  
11 something that you'd be comfortable with as having a sound  
12 level at that fence post?

13 RUSS MAHLER: I think that's something that we  
14 have to work out with your staff. It's my understanding that  
15 the general standards as far as 55 decibels at the nearest  
16 farmhouse or the nearest residence and this is projected to  
17 meet that, and you'll see already one of the things that  
18 makes this confusing and somewhat difficult to work with is  
19 the ambient noise already that's been surveyed in that area  
20 and by ambient noise I'm going to refer to exactly what  
21 testing methods they use. What they do is they go in and do  
22 the best job they can in trying to measure the noise levels  
23 before anything is built out there and get a base line study.  
24 We're already at a situation where at least some of the  
25 readings apparently were up as high as 90 decibels and so the

1 55 would seem to be a reasonable standard and it seems to be  
2 a generally accepted standard and what we're saying tonight  
3 is we believe that based on the mathematical projections, the  
4 dropoff over a distance will leave that at about that level.

5 COMMISSIONER SAHR: Thank you, and I can see we  
6 have some other people in the audience who have some  
7 questions.

8 COMMISSIONER HANSON: Is there a gentlemen back  
9 here with a question?

10 ARNOLD BAHR: I'm about the second closest to  
11 that site and I can hear the substations at times at my  
12 place, not all the time but at times I can hear the  
13 substations humming there, the substation.

14 COMMISSIONER HANSON: Would you give your name  
15 please, sir?

16 ARNOLD BAHR: Arnold Bahr.

17 COMMISSIONER HANSON: Arnold Bahr?

18 ARNOLD BAHR: Yes.

19 COMMISSIONER HANSON: Thank you. Were there some  
20 additional questions? There's some staff with some either  
21 questions or comments?

22 MICHELE FARRIS: I'd just like to make a comment.  
23 As part of the preparation for the public meeting tonight,  
24 Basin Electric did send out registered letters to the  
25 affected landowners and Jim Berg can talk to how many he

1 knows were received, but as far as we know, most of the  
2 affected landowners were notified of this meeting, the time,  
3 the place and an opportunity to offer comments.

4 COMMISSIONER JOHNSON: Mr. Bahr, can you talk a  
5 little bit about what the sound is like currently at your  
6 place with the existing substation?

7 ARNOLD BAHR: Well, I've just noticed it at night  
8 and I don't think you can hear it at daytime. I've noticed  
9 it at nights sometime, the summertime when it's a still night  
10 where the wind is right and you can hear it hum.

11 COMMISSIONER JOHNSON: Not bothersome?

12 ARNOLD BAHR: No. You'd have to be outside to  
13 hear it and you can't hear it in the house or anything like  
14 that, and I'm probably about a mile or less from the  
15 substation.

16 COMMISSIONER SAHR: Mr. Bahr, do you have any  
17 concerns about the noise that might be generated by this  
18 facility?

19 ARNOLD BAHR: No, I don't have any.

20 COMMISSIONER SAHR: Thank you.

21 COMMISSIONER JOHNSON: How long will the  
22 construction process be?

23 MYRON STECKLER: Approximately a 12- to 13-month  
24 construction time frame if everything goes well.

25 COMMISSIONER JOHNSON: Okay.

1 MYRON STECKLER: Just the pipeline itself, we're  
2 talking two to three months and that again, permits in hand,  
3 we'd be looking at late summer, fall, do that before the  
4 freeze up.

5 DOUG SOMBKE: I just want to make one final  
6 comment. I don't have any more questions. I will --

7 COMMISSIONER HANSON: Your name?

8 DOUG SOMBKE: Doug Sombke. I will say you guys  
9 have done a very good job. Kelly was real accommodating and  
10 tried to get all our questions answered up-front and I think  
11 he talked to Arnie also, I'm not sure, and I know the family  
12 that lives there, he's went out of his way to try to contact  
13 them. Unfortunately they're not here tonight and he did also  
14 tell me that they haven't returned or accepted their  
15 registered mail, so I don't know what the situation is there,  
16 so that's why you're not getting any comments from them  
17 tonight.

18 MYRON STECKLER: Thank you. Did we receive  
19 any --

20 JIM BERG: Yeah, I sent out 14 registered  
21 letters. It was about a two-mile radius of the facility.  
22 All 14 came back, so everybody received their letter and  
23 signed for it. I'm Jim Berg.

24 COMMISSIONER HANSON: Thank you, Jim. Myron,  
25 could you address the natural gas usage for us please? I

1 understand from your proposal that the facility will use  
2 approximately 26 million cubic feet per day?

3 MYRON STECKLER: That's going to be a question  
4 I'm not sure I can answer right now or have that information  
5 with me. The unit is, it uses 9300 BTUs per kilowatt  
6 produced. I'd have to go through those calculations right  
7 now. I don't have that with me. It's probably in there.

8 COMMISSIONER HANSON: I believe, yes, your report  
9 that you presented to us as I recall, I hope my memory is  
10 correct, stated that it has 26 -- that you'd be using 26  
11 million cubic feet per day. Do you have an idea of the  
12 effect of that usage upon businesses, homeowners, cost of  
13 gas, that sort of thing?

14 MYRON STECKLER: It's a very small -- I mean as  
15 far as its effect on other people's natural gas prices, is  
16 that the question?

17 COMMISSIONER HANSON: Yeah, our concern or at  
18 least my concern that I'm expressing now is the fact that  
19 having gone through the winter, it was fairly mild this year,  
20 however the one month that was cold, we saw heating bills  
21 skyrocket. We're sensitive to the costs, especially the cost  
22 and effect, the cause and effect of using another 26 million  
23 cubic feet for this station and what may happen with cost of  
24 natural gas for heating for residential purposes and for  
25 business, and I'm curious whether or not you have a grasp on

1 that that you can share with us by using another 26 million  
2 cubic feet what the effect that that will have upon costs.

3 MYRON STECKLER: I guess obviously that's a very  
4 small amount of gas relative to what's going down the  
5 transmission line. It's supply and demand. You know, I  
6 would expect it not to have that big of effect, but supply  
7 and demand, the more demand you have, which this gas  
8 treatment will have some demand, always will affect the gas  
9 prices. I guess the other thing I wanted to point out is the  
10 natural gas, I guess the contract we have for the supply of  
11 natural gas, we have a contract with Northern Border for the  
12 interconnection to their pipeline, but Basin also has another  
13 interconnection down the pipe a ways and I talked earlier  
14 about the Dakota Gasification Company, a subsidiary of ours  
15 that we produce natural gas from the gasification of coal.  
16 Our contract for the supply of gas is with our subsidiary of  
17 natural gas.

18 COMMISSIONER HANSON: So in general terms, you  
19 don't have an idea of how that will affect --

20 MYRON STECKLER: No.

21 COMMISSIONER HANSON: Also -- forgive me for not  
22 having my booklet with me and highlighted so I could ask  
23 specific questions. As I recall, there was something in  
24 there pertaining to the fact that you could meet the federal  
25 guidelines for NOx and carbon dioxide, but that there were

1 South Dakota guidelines that you would not meet?

2 MYRON STECKLER: I'm going to have to refer that.  
3 I don't remember.

4 COMMISSIONER HANSON: I'll look through here  
5 while we're pursuing this.

6 MYRON STECKLER: Natural gas is the most clean  
7 unit you can -- type of fuel you can burn. I guess I can't  
8 imagine -- it probably does, but I would think it does not  
9 say anything like that. We can meet all the regulations or  
10 else we would not be looking at this unit. We wouldn't be  
11 able to get a permit for the air quality.

12 COMMISSIONER HANSON: We have a gentleman with a  
13 question here and then I'll see if I can find that.

14 RON OGREN: Ron Ogren, Wessington Springs. I was  
15 just thinking that if this is a peaking unit predominantly  
16 for summer load, if we've got a 40 below zero windchill and  
17 maybe this thing wouldn't be running to be using the natural  
18 gas during the cold areas to be pulling, you know, natural  
19 gas out of that pipe, just a thought.

20 MYRON STECKLER: If it's 40 below out, our  
21 surface area would probably also have a higher peak, so there  
22 would be a good chance we would run during that time also.  
23 Typically our peak is in the summertime, that's when it would  
24 typically run.

25 COMMISSIONER HANSON: On page 38 on 2.16 under

1 air quality, it states towards the end of the first  
2 paragraph, perhaps I'm reading this wrong. Proposed  
3 emissions for the combustion turbine are below the major  
4 source threshold of 250 tons per year with respect to the  
5 prevention of significant deterioration standards; however,  
6 they are above the South Dakota Title 5 operating permit's  
7 major source threshold of 100 TPY with four CO and four NO2.

8 BOB HAMMER: Bob Hammer with Tetra Tech. What  
9 that's referring to is what regulations are triggered and so  
10 what it's basically saying is that there are different levels  
11 of regulations. One of them is this 250 ton per year  
12 threshold. What that's telling us is that we don't emit  
13 anything that high, so it does not get affected by those  
14 particular regulations. It is over 100 tons per year of  
15 emissions. What that does is trigger us into a permitting  
16 mechanism that is called the title five permitting program.  
17 And then within those, all those regulations are set out. So  
18 what we have to do is turn in an application to the State of  
19 South Dakota so that they will then evaluate numerous things  
20 including what the environmental impact is, what the level of  
21 emissions are and there are a lot of stringent guidelines and  
22 regulations. So that's simply pointing out that we have to  
23 go through a certain part of the permitting process. It's  
24 not that there is a standard that we aren't meeting. We will  
25 have to show that.

1 MICHELE FARRIS: Chairman Hanson?

2 COMMISSIONER HANSON: Yes, Michele.

3 MICHELE FARRIS: In my prior life I actually did  
4 title five permitting for the state and when you determine  
5 whether you fall into the title five program, you look at the  
6 worst case, so it's as though it were operating 8,760 hours a  
7 year. If you go over that hundred tons per year threshold,  
8 then you have to get an operating permit. It doesn't mean  
9 that you will ever meet that hundred tons per year, but you  
10 have to look at the worst case scenario.

11 COMMISSIONER HANSON: Okay. Thank you. Was  
12 everyone able to hear? Thank you, Michele. Further  
13 questions, members of the audience? Yes, sir.

14 RON OGREN: Ron Ogren, Wessington Springs.  
15 You're probably wondering why would somebody from Wessington  
16 Springs be interested in what's going on in Groton. We've  
17 got hills that have got a lot of wind blowing over the top of  
18 them and we're really excited and interested in getting some  
19 wind turbines and stuff going up there and one of the  
20 governor's goals was to start having additional generation  
21 capacity and we're excited that this plant could be a  
22 possibility to help be a buffering zone for our wind power if  
23 that's possible and I guess I was interested to see that  
24 Basin had identified there's about a hundred megawatts  
25 capacity on these lines and we're here to see if -- or try to

1 find out if there's any of that capacity being available to  
2 be allocated for wind out of our part of the world and I  
3 don't know if any of you guys are here. Sometimes we feel  
4 like we're sitting in the dark winking at a girl. We know  
5 what we're doing, but nobody else does and we're really  
6 interested in getting this wind power going, but we need to  
7 get Basin and WAPA and these other outfits to understand just  
8 how sincere we are about it and just how important it is to  
9 our little community. So if you could give us some ideas on  
10 how we could communicate that better and who we need to talk  
11 to, we'd appreciate it, and if there is any room on those  
12 lines for allocation for wind.

13 MYRON STECKLER: I guess -- I mean I cannot  
14 answer that question. I don't believe we have anybody here,  
15 but you know, I think we can -- Curt, I don't know if we can  
16 get somebody to talk to him a little bit.

17 CURT PEARSON: Curt Pearson from Basin Electric.  
18 If need be, we could do some follow-up with these people  
19 certainly.

20 MYRON STECKLER: One of the things I want to  
21 point out about this unit that I guess I didn't get into.  
22 One of the features that we're designing into is a clutch  
23 between the generator and the turbine itself. It's called a  
24 synchronous clutch. What that does is allows during times  
25 when we do not need the generation, you can start this unit

1 up and just rotate the generator and it provides voltage  
2 support in the area which helps the overall transmission  
3 system and I believe, you know, I'm not sure if, Dennis, you  
4 can talk to that at all as far as adding voltage support to  
5 the area even at times when you're not running the turbine.  
6 It's one aspect of this unit.

7           COMMISSIONER SAHR: Well, and I should note and  
8 there's been a request from at least one person that I know  
9 of to have an e-mail comment to be made part of the record  
10 and it would be kind of a good follow-up to the question  
11 Mr. Ogren asked and basically I would like to put -- I guess  
12 I'd like to put that in the record since it was requested by  
13 this person that sent to the PUC e-mail address and her  
14 question was along those same lines. Is there the potential  
15 to be able to provide the opportunity to have additional  
16 power injected at this point using wind power as well as  
17 using it as a place to have a peaking unit and is there any  
18 possibility that anyone can address that issue.

19           MYRON STECKLER: I cannot address that issue.  
20 You know, there's a lot of transmission studies out there.  
21 It's a queue process of who comes first in the queue of tying  
22 into this transmission. Is there more capacity, I cannot  
23 answer that right now.

24           COMMISSIONER SAHR: And it does -- and I can  
25 understand the need to study this, but I think part of what I

1 think she is asking and Mr. Ogren is probably getting at as  
2 well is if you have a spot that you expect to see this  
3 machine operate 10 to 15 percent of the time, especially if  
4 it's during warm months where there probably is less wind  
5 being generated, is there a potential to somehow look at  
6 partnering that in the future with some type of wind  
7 production, either right in this area or else somewhere along  
8 the system in conjunction with this unit?

9 MYRON STECKLER: I guess I'm not sure of the  
10 question, but I would assume if we have a wind farm in the  
11 area that somebody owns and you know, they're looking for  
12 backup to that wind farm when the wind is not blowing, again  
13 I believe, you know, for the cost of production that that  
14 unit could run to back up the wind.

15 COMMISSIONER SAHR: And again, I'm looking at an  
16 e-mail that I have no idea if anyone's even seen in the  
17 audience, I'm going to ask staff to make that part of the  
18 record and maybe to do a follow-up with Basin just to see if  
19 they can provide some type of background and maybe get this  
20 member of the public and Mr. Ogren and some other people that  
21 might have interest in that some information on whether or  
22 not that is something that is feasible.

23 COMMISSIONER HANSON: Thank you. Yes, and if  
24 that's the same one that we have, it's from Becky Smith with  
25 the Clean Water Action, Clean Water Fund and that will be

1 made part of the record.

2 Is there anyone else at this time who would like  
3 to address this commission or ask questions? Then we will --

4 COMMISSIONER SAHR: I do have additional  
5 questions of the staff though.

6 COMMISSIONER HANSON: All right.

7 COMMISSIONER SAHR: I do have a few questions for  
8 staff. Ms. Farris, I just want to check and see, we heard  
9 that notice was mailed to landowners and my understanding is  
10 that there was also a published notice as well. Did staff  
11 make any efforts to make any sort of personal contacts with  
12 any of the landowners?

13 MICHELE FARRIS: We did not personally contact  
14 them. We had Basin send the registered letters.

15 COMMISSIONER SAHR: And essentially with the  
16 landowner who's very close to this, I mean would it be  
17 possible for staff to try to find out and attempt to contact  
18 and see if they have any concerns about the project because I  
19 think Basin's attorney hit the nail on the head, this is a  
20 lot easier to deal with up-front if they have any concerns  
21 and I know -- of course I came in mid-process with the Rapid  
22 City AC/DC tie, but I know that there's some landowners who  
23 didn't participate in the process and then after the fact  
24 were concerned about sound levels, so you know, my feeling is  
25 the earlier we can bring people into the process, even if it

1 involves going slightly ahead of -- beyond what the law  
2 requires, maybe making a phone call to those people.

3 MICHELE FARRIS: And I agree. We don't have  
4 their names and that's why we asked Basin. I had contacted  
5 Mr. Berg to ask his land people to send it, but we can  
6 certainly get the landowners, the names and phone numbers and  
7 contact them. We just don't have it in the application.

8 COMMISSIONER SAHR: And certainly I think the one  
9 I would be most concerned about is the person who's living  
10 within 1800 feet. I would like to see that person contacted  
11 and if staff would follow through and just to let them know  
12 that this process is taking place. I realize we may have met  
13 the, you know, the minimal -- I shouldn't say minimal, but  
14 the requirements that the law would have. At the same time,  
15 if there are some really strenuous objections, I would like  
16 to have the input of those people, so if staff could make  
17 some efforts to do that and you know, within the next couple  
18 of days, I'd really appreciate that and perhaps be able to  
19 summarize what the landowners' statements were, that would be  
20 something that I would find a benefit.

21 MICHELE FARRIS: I'll have to get that landowner  
22 information from Basin.

23 COMMISSIONER SAHR: Do you have any  
24 recommendations or any thoughts on what would be an  
25 appropriate noise level here?

1 MICHELE FARRIS: Not at this time.

2 COMMISSIONER SAHR: Thank you.

3 COMMISSIONER HANSON: Are there any further  
4 questions at this time?

5 JOHN SMITH: Mr. Chairman?

6 COMMISSIONER HANSON: John.

7 JOHN SMITH: I forgot the gentleman there with  
8 the plaid sweater.

9 JIM BERG: Jim Berg.

10 JOHN SMITH: Oh, Jim Berg. I know another Jim  
11 Berg. You don't look like him.

12 JIM BERG: He spells his last name wrong.

13 JOHN SMITH: A comment was made here that you  
14 stated that you sent registered letters to all of the  
15 landowners?

16 JIM BERG: Yeah, I've got copies of them here.

17 JOHN SMITH: And I just was wondering about this  
18 particular land owner, the close landowner, a letter was sent  
19 to him?

20 JIM BERG: Her, yes.

21 JOHN SMITH: To her?

22 JIM BERG: Yes. Actually she was contacted twice  
23 with registered letters. When the Brown County planning and  
24 zoning was entertaining our special exception permit  
25 application, they sent certified letters out also. That

1 letter for that special exception permit was tried to -- was  
2 tried to be delivered three different times and apparently  
3 refused. This one was accepted by her though however.

4 JOHN SMITH: Does anyone have any idea why she  
5 refused those?

6 JIM BERG: No, that would only be speculation.

7 JOHN SMITH: Okay. Thank you.

8 COMMISSIONER HANSON: Especially if you have  
9 addressed the group this evening, would you please be sure to  
10 sign up so that the court reporter will be able to spell your  
11 name correctly and thank you all very much for attending this  
12 meeting this evening.

13 (This hearing was concluded at 7:15 o'clock,  
14 p.m.)

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NOTARY REPORTER'S CERTIFICATE

STATE OF SOUTH DAKOTA

COUNTY OF MARSHALL

I, Tammy Erickson, a Notary Public within and for the County of Marshall and State of South Dakota, do hereby certify:

That said transcript, consisting of forty-seven (47) pages of typewritten materials, was taken down by me in Stenotype at the time and place therein named, and was thereafter transcribed by means of computer-aided transcription.

I further certify that I am neither related to any of the parties or counsel nor interested in this matter directly or indirectly.

Witness my hand and seal the 18th day of February 2005.

*Tammy Erickson*

Tammy Erickson, Notary Public  
Marshall County, South Dakota

My Commission Expires: January 16, 2010