BEFORE THE SOUTH DAKOTA

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In the Matter of the Application *
of Northern States Power Company, *
dba Excel Energy and Otter Tail
Power Company for a Permit to
Construct the Big Stone South to 
Brookings County 345 kV
Transmission Line.
BEFORE:
    Chairperson Gary Hanson
    Commissioner Chris Nelson
            Commissioner Kristie Fiegen
APPEARANCES:
Mr. Brett M. Koenecke
        May, Adams, Gerdes & Thompson
        Mierre, South Dakota
        Attorney for Northern States Power and
        Otter Tail Power Company.
PROCEEDINGS: The above-entitled proceedings were held
        on the 31st day of July, 2013, commencing
        at the hour of 6:30 p.m. at McCrory
        Gardens, Brookings, South Dakota.
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                    PUBLIC HEARING
Transmission Line. . *
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                PUBLIC UTILITIES COMMISSION
    CHAIRMAN HANSON: My name is Gary Hanson. I'm the Chairman of the South Dakota Public Utilities Commission, and I call this meeting of the South Dakota PUC to order.

It's 6:30 p.m., Wednesday, July 31st, 2013. We are in Meeting Room 110 A and $B$ of McCrory Gardens Education and Visitors Center at 631 22nd Avenue in Brookings, South Dakota.

With me this evening are my fellow commissioners, Chris Nelson and Kristie Fiegen.

There is some information that I am required to read, and so bear with me, to go through from an official standpoint to make sure that we have everything on record.

Our purpose here tonight is to hold a public hearing on Docket Number EL13-020 titled In The Matter of the Application of Northern States Power Company, doing business as Xcel Energy, and Otter Tail Power Company, for a Permit to Construct the Big Stone South to Brookings County 345 kV Transmission Line. The application submitted by Xcel and Otter Tail is for approval of a permit to construct the southern portion of the Big Stone south to Brookings County substation transmission line in Deuel and Brookings Counties, and make modifications to the existing Brookings County substation.

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In 2007, in Docket ELO6-002, the Commission approved the northern portion of the line in Grant and Deuel Counties which was originally designed to turn east in Deuel County and cross the border into Minnesota. In 2012, in Docket EL12-045, we approved the transfer of the permit for the northern portion from the Big Stone II Partners to Otter Tail. In May of this year, in Docket EL12-063, the Commission approved a certification that provides that the northern portion of the project --

I have this in writing, by the way. And my apologies. I will admonish myself at this juncture, because we have a court reporter, and we always ask people to speak slowly so the court reporter can get everything down. This is off the record. (Off the record discussion.)

CHAIRMAN HANSON: Back on the record.
The purpose of this hearing tonight is to provide information to the public about the proposed project, and to hear public comments about the project. Interested persons have the right to present their views and comments regarding the application. And we do want to hear from you. We want to encourage you to speak to the Commission if you have any information at all that you want to share with us.

A copy of the application is on file with the
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Brookings County Finance Office and Deuel County Auditor. You may also access the application and all other non-confidential documents in the official file on the Commission's website at www.puc.sd.gov under Commission Actions, Commission Dockets, 2013 Electric Dockets, and then scroll down to EL13-020, or simply by phoning or sending a letter or stopping by the Commission.

The parties to this proceeding at this time are Xcel, Otter Tail, and the Commission. Under South Dakota law, each municipality, county, and governmental agency in the area where the facility is proposed to be constructed, or any interested person or organization, may be granted party status in this proceeding by making a written application to the Commission on or before August 2nd, 2013.

We have applications available here this evening if you would like to apply for party status. I would like to emphasize to everyone, however, that you do not need to become a party in the case to make your voice heard by the commission. The reason we are here tonight is to hear from -- your comments and what you have to say, and your concerns about the project. We will also be accepting comments in writing from anyone, either by mail, personal delivery, or e-mail, right up until the time of the decision.

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    And please use the microphone and introduce yourself, spell your name when you speak so we have it on the record.

I would also like to point out that we have a number of members of the Commission Staff here tonight, and we want you to feel free to seek them out if you have questions or need help with anything, either here tonight or as we go through the process. And I'd appreciate, Commission Staff, just raise your hand at this juncture. We have a Commission Staffer towards the back, and Mr. Rislov is here as well.

We will begin the hearing by having the Xcel and Otter Tail folks make a presentation to explain their proposed project. Following that presentation, we will take comments from any interested persons or
organizations. And we want to strongly encourage members of the public to present your views.

Before we get started, I would also ask all of you to make sure your -- to put your information on the sign-in sheet so we have a record of who attended the hearing. And if you would place your telephones on vibrate, we would appreciate that as well.

Brett Koenecke will be the spokesman here tonight for Otter Tail and Xcel. Brett, would you introduce your folks and you have --

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So you only need to apply for party status if you want to participate formally in the case by presenting testimony and other factual evidence, conducting discovery, cross examining witnesses, making legal arguments, et cetera, and to preserve your right to appeal to the courts if you object to our decision.

For the permit to be approved, South Dakota law states that Xcel and Otter Tail must show that the proposed transmission facility will comply with all applicable laws and rules, it will not oppose -- excuse me -- it will not pose a threat of serious injury to the environment or to the social and economic condition of inhabitants or expected inhabitants in the siting area, will not substantially impair the health, safety or welfare of the inhabitants, and will not unduly interfere with orderly development of the region, with due consideration to the views of governing bodies of affected local units of government.

Based on these factors, the Commission will decide whether the permit for the project should be granted, denied, or granted upon such terms, conditions or modifications of the construction, operation or maintenance of the facilities as the Commission finds appropriate.

Kerry Lange, our court reporter, is here tonight.
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MR. KOENECKE: I will. Thank you, Commissioner. Good evening, Commissioners, Staff, and members of the public. I'm Brett Koenecke. I'm a lawyer from Pierre, and I'm representing the applicants in this matter.

We do have a short PowerPoint presentation tonight. And we've got an assembled team here I would like to introduce to you. It will be our pleasure to try and answer any questions you've got about the project, listen to your concerns, and engage in dialogue, both during the meeting and after as appropriate. So without any further ado, I will --

CHAIRMAN HANSON: I'm sorry. There is going to one more ado. Forgive me. I see a number of people standing. I'm going to ask -- Karen, if you see anyone that needs a seat, please direct them to chairs. We have several chairs up here. I don't want to have people having to stand in the hall trying to look around the corner. Thank you. Excuse me, Brett.

MR. KOENECKE: With that, has everybody gotten a chair at this point? Very good.

First off, I would like to introduce Joe Samuel, the project manager from Xcel Energy, sitting up here in front. To my right, Tom Hillstrom, also from Xcel Energy. I've got in the back, Doni Murphy, a consultant She's working for ERM. She is on routing and agency

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coordination. Tony Moore is the principal engineer for the project, in the doorway back there. Sarah Saeger is communications and media relations for Xcel in the back row. I've got Bob Wenger from Ulteig. Oh, Bob is over there. He's -- he is a consultant on the project working on land rights. Matt Eklo, also from Ulteig, working on land rights in the blue shirt. Matt Teichert from ERM is sitting up in front manning our GIS map and coordination. Chris Rogers from Xcel, land rights, in the back row. There's Chris. I've got Dean Pawlowski from Otter Tail Power in the yellow shirt. Welcome, Dean. And Jason Weiers from Otter Tail is over there.

So that is our group of assembled experts. We're going to give a very short presentation. We don't want to dominate the conversation, but we do want to give some context and describe the project just briefly. We look forward to hearing your concerns and answering your questions and doing the best we can to engage in a productive dialogue. So with that, Commissioners, shall I start?

CHAIRMAN HANSON: Please.
MR. KOENECKE: Very well. I've got a copy of the PowerPoint. Did everybody get a copy? We should have had enough for everybody. If anybody needs one, let us know, and we'll do what we can to get additional -- you

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outline there. The relatively straight purple line is already permitted. When we get to the blue line coming down here towards the south, that's what we're talking about here tonight. So I wanted to draw that distinction.

We're talking about a 345 kilovolt line, almost 70 miles in total; 43 miles are the subject of this permit proceeding. So to give you an idea of the difference in the two lengths.

Flipping over to our next slide, the map that you see there describes the different system operators, different ways in which parts of the nation manage the electrical grid. And we will focus on MISO in the gold in the middle. Midwest Independent System Operator manages the electrical grid in those areas which are in gold. As you can see, it's a number of states -- some extremely large states -- in the midwestern part of the nation. MISO is made up of a number then of electric companies who are members of MISO, and the electric companies in our region are certainly, most of them, members of MISO.

That group got together and decided that in order to build the grid for the 21 st century, that we needed 17 multi-value projects, MVP. You will hear that term thrown around over the course of the night. Multi-value projects, meaning projects that build out the grid that

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will be of value to people in the entire MISO footprint. And if you see on the left-hand side of the screen, the MVP Portfolio, the goals were, in part, to enable development of future generation, provide regional economic value, and increase regional reliability.

So these are a number of -- there are a number of projects out right now, 17 as you can see, this one being one of the 17. Also there is a proposed, or soon to be proposed, Big Stone to Ellendale, North Dakota project, also one of the multi-value projects. But the build-out of the grid is going on all across that footprint. This is one small part of that. So we wanted to describe that to you, and let you take a look at how large the footprint is and where the grid is going to be built out.

Turning the page then to the next, I'll turn the microphone over to Tom Hillstrom. He'll probably carry you through the remainder of the PowerPoint presentation, starting with the discussion of who the proposed applicants are.

MR. HILLSTROM: Thank you, Brett. And thank you to the Commission for having us here tonight, and thank you all for showing up.

The project proposers are Otter Tail Power and Xcel Energy. I work for Xcel Energy. Both Otter Tail and Xcel are companies that are established utilities. They

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don't want to put the lines near homes. There is natural resources that we need to stay away from, there are cultural resources that we have to consider. So there is a lot of criteria that we develop to characterize different routes, different segments, and compare them amongst each other. And that's how we do it. We start with identifying all the different ways to get from one end point to another. We characterize them with all the different kinds of criteria; for example, how many homes are next to a segment, how many natural resources, wetlands and avoidance areas that we need to stay away from. And then we can compare them.

And as we compare the routes, it's clear that some are not as good as others, and those fall out of the process. And then there are some that remain, and we compare those again. And through that systematic approach of comparing route segments, we can end up with a route that has the least impact on people and the environment. And that -- that's the route that we proposed.

I'll go to the next slide. I talk about the criteria that we use to compare the route segments. We -- we sometimes aren't smart enough to know what's important as far as all those criteria go, so we reach out to the public, to agencies, to officials, and we meet with

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specific area if there's questions on it.
I just want to point out the two end points. On the north side, it's where the northern part of the line that has been certified already veers off to the east into Minnesota. That is our northern end point. The southern end point is the Brookings County substation.

And the route that we're proposing isn't just a line that we have drawn on a map and just in a haphazard fashion. The route we're proposing has been developed based on a very careful and systematic analysis. And that's what I want to talk about next on the next slide.

The way we -- the way we developed transmission line routes that we propose in the permit, it's starts with an identification of end points that $I$ just talked about, and then we look at how do we get between those two end points. The first thing we look for is opportunities. And those opportunities are following existing linear features. And those can be roads, they can be property boundaries, they can be existing utilities. Usually we follow an existing feature as a way to minimize the impact rather than going through the middle of open fields.

We also look at what the constraints are; where can't we go through and where do we want to stay away from. And those kind of things include homes. We understand we

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officials, we have public meetings, we get feedback to help us understand how to do that comparison, what is more important, in that comparative process.

So just to highlight some of the things that we have done on this project as we have come out and met with local officials, the county officials, the state officials, we have had public meetings. There was a series of eight public meetings, four held in June and four held in October of 2012, where we presented the maps and got feedback on the routes we were considering.

Another thing that we did is we advanced these routes into the process of talking with individual landowners one-on-one. Our right-of-way agents have approached all the landowners on the route that we're proposing, and in some cases where that individual one-on-one contact brings to light there may be a difference -- there may be a preference from a landowner that they might like the route moved a little bit here or there. So we have accommodated that in many cases, too.

I'm standing too close to that speaker.
MR. SMITH: Tom, could you maybe keep the mike a little closer to your mouth.

MR. HILLStrom: Sure.
MR. SMITH: If you're going to move around, it's kind of hard to hear.

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MR. HILLSTROM: Okay. We'll go to the next slide. I'll just simplify this. We have a permit process now that's going on through next spring or summer. And then we have about one year of getting the rest of our permits, more of a local permit, finishing up the easement discussions, and doing our final design. And that brings us to summer of 2015. And that's the point at which we start construction.

So basically permitting through the State process through next summer, a year of finalizing our design, and after that, two years of construction from the summer of 2015 to the summer of 2017.

And we'll go to the next one. And now I'd just like to talk a little bit about what happens when we build a project. It gets built in phases. And those -- the phases that we have on here, the foundation installation, placement of the structure, stringing of the wires, and then finally restoration.

And I want to point out this picture here, it shows a structure that's very similar to the one that we are proposing. It's a single steel pole. And this is a typical structure. There may be some specialized locations where it will be different than this one. But it's a single steel pole. And you see at the top those 605-338-8898
one. There is a reinforced steel cage that is put into that hole, and the hole is filled with concrete. And you see what ends up being the finished product at the bottom right there. It's a concrete cylinder. It sticks out of the ground just a little bit, a set of bolts on the top of it, and that's what the structure is bolted on to.

After the -- after the foundation is installed, another crew will come along, and they will haul materials out to the site and lay them down next to the foundation. And these are big steel pole segments. Some assembly is done on the site. They attach the insulators to the arms, and then they bring a crane out, and they lift the structures up and place them on -- and bolt them down onto the foundation.

And we'll go to the next one. And then once the structures are up, the wire has to be strung from structure to structure. And the way that's done is you can faintly see here that on the bottom of each insulator there's a pulley. And what they do is they string a lead rope through those pulleys, and then pull the conductor end using big hydraulic drums at the end. And that's done usually at about a four-mile segment. They pull about four miles at a time.

And that can be done -- the way they can pull those in is they may have a heavy piece of equipment that just

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pulls the rope and the wire along the right-of-way. Another way that it can be done is using helicopters, and the helicopters can fly the conductor or the lead rope through and just very delicately flip that rope into each of the poles. And it's a really interesting process. And we have a website, FX2020.com. On that website there is a little link to construction videos. And if you want to see a really interesting way that they can work on these structures using helicopters, there's some really cool videos of working on the lines with helicopters.

And, finally, when the foundations are in, the structures are installed, the wire is strung, we go back and make all the -- we fix up all the land. We do restoration. And the picture here shows kind of a steep slope where the ground has been smoothed. They have seeded the earth there, and they're covering it now with an erosion control fabric.

There is a -- in more agricultural land, what is normally done is the ground is smoothed. If there has been ruts, ruts have been made, we disk those smooth. And in some cases, if there's compaction, we will do some plowing to eliminate that compaction. And if there are damage to crops while we're working, the landowners get paid for those damages.

About the -- about the impact to crops and the
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CHAIRMAN HANSON: And would someone from either Xcel or Otter Tail please respond to the comments. Thank you.

MR. HILLSTROM: Thank you for the comment. We certainly do work with landowners on placement of the poles. Regarding fences, if there is any impact to the fence, we fix it. You know, if we break something, we fix it. And the pole -- pole locations are staked in the field, and then they are gone over with the landowner. So that is part of our process.

MR. JUENKE: I don't think I need that. Pretty sure you'll be able to hear me.

CHAIRMAN HANSON: I think we're recording this, so it's best to do that. Thank you, sir.

MR. JUENKE: My name is LoWayne Juenke, $J-u-e-n-k-e$. I'm Carl's neighbor. Number one, on your map here, we live in Oak Lake Township, not Oakdale.

COMMISSIONER FIEGEN: LoWayne, do you mean -- mind if you put --

MR. JUENKE: Did you hear what I said? We live in Oak Lake Township, not Oakdale.

Looking at your handout that you give here on the pole construction itself, if you look at the pages and go through, you have three different kinds of poles. Which one are you planning on using and how many lines are going to be ran off each pole? And what is the legal

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limit you can come -- and I do appreciate you calling our houses homes, because they are our homes. What is the legal limit? How close can you be to a home? CHAIRMAN HANSON: Don't look for me to let you answer. Go ahead. We want to have a conversation. MR. HILLSTROM: Matt, could you go back to the slide that shows that single pole, single circuit. This is the kind of pole we are proposing. And you're right. I put this PowerPoint together. And I struggled to find enough pictures of the activities that $I$ was describing that show just this one kind of pole. And so I did want to point out that this single circuit steel pole is the structure that we're proposing. So that is -- that's I think the answer to your first question.

And then the second question is -- the easement width that we propose to purchase is 150 feet wide. It's 75 feet on either side of the centerline. That -- that is a limit -- a home can be built closer than that.

MR. JUENKE: 75 feet when they're 120 feet tall?
MR. HILLSTROM: That's right. But like I said in the beginning, part of our criteria is to keep the line away from homes. And we do our best to avoid homes. We certainly do our best to avoid that kind of proximity to homes.

CHAIRMAN HANSON: Commissioner Nelson, go ahead.
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COMMISSIONER NELSON: A follow-up. So if I am understanding you correctly, the edge of your 150-foot easement could literally be at someone's doorstep. Is that correct?

MR. HILLSTROM: Theoretically that is possible. Yes.
COMMISSIONER NELSON: For what -- and I know you don't have the exact location of the line at this point, but are there any places along the route where you're going to be close to that?

MR. HILLSTROM: Yes, sir. There is one home that is within 150 feet of the proposed route. We have talked to that landowner, and we -- we have suggested a way to bow the line out to keep it farther from the home because in this case, there are some trees that have to be removed that are next to that house. The landowner said he would rather not have the line in the field. We inquired further. That home is vacant, and it's a rental property. And the landowner is -- would rather have us where we proposed than farther out in the field. But it's just one home within 150 feet.

COMMISSIONER NELSON: Thank you.
CHAIRMAN HANSON: These are excellent questions. Appreciate it very much. Further questions, please.

MS. LEWIS: My name is Kelly Lewis, L-e-w-i-s, from Gary, South Dakota, even though I don't sound like it.

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to minimize the impact to that type of a view?
MR. HILLSTROM: It's a general consideration, aesthetics are. It's a difficult one to quantify, though, because wherever you put it, it will be visible from somewhere. And we have the end points. We have to get from one end point to another. And the idea of staying away from populated areas is really the best we can do to limit that aesthetic kind of impact.

MS. LEWIS: And just one other clarification, just to make sure I understood. On the post-construction slide, there's a picture where it's only on one side of the pole. Is that just the different look or is this a possibility in some of the places or are they going to be on both sides?

MR. HILLSTROM: Normally what you're going to see is the arms on both sides. That's a specific structure. It looks to me like it's a sharp angle, and it's a specific structure just to accommodate that sharp turn in the power line. And the typical line where it's straight or at a small angle will -- will be arms on both sides.

MS. LEWIS: Thank you.
MR. LARSON: My name is Russ Larson, L-a-r-s-o-n. I'm really representing Gilley's Grove Association, which is a landowners partnership. Historical place east of White, South Dakota. And our argument, of course, is

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This -- did I understand correctly that these will be 900 feet apart, the distance between each pole?

MR. HILLSTROM: (Indicating in the affirmative.)
MS. LEWIS: Are there any lights on the poles?
MR. HILLSTROM: Yes, ma'am. That is the right span distance. The typical distance between the poles is 900 feet. And none of them will be lit. Some of the towers that you see that have lights on them are because of FAA requirements. None of the towers that we're proposing are tall enough to have that lighting requirement.

MS. LEWIS: One other question. I know that these will pass at least between where my property is and the Coteau Hills. Is that part of the plan? I don't know how the terrain goes that they will not be obstructed to the view of the Coteau Hills. They will be lower down in the valley, so to speak?

MR. HILLSTROM: Yeah. The terrain -- obviously the terrain varies, and so I can't really answer your specific question. There are areas along the route where the line is proposed in a low -- in the valley environment, and there are also areas where it is kind of high. So each individual area is -- is specific to, you know, how far they will be visible.

MS. LEWIS: But is that -- was that a consideration
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that they are running diagonally across our property and across field ground. We have argued unsuccessfully to get that route changed. Realizing, of course, my family farm is three miles south of there, and within a mile of Basin Electric. And in the last three years I have had Basin gas line go across my line, I have rural power poles across my land. You can't look anywheres east of White without having a power pole or something to look at. Now we are going to get another set.

My argument, of course, is how many are we going to continue to build, and why, you know, why we can't run along property lines instead of diagonally across Gilley's Grove. Gilley's Grove is a historic site, by the way. You can see it's a natural -- it's somewhat similar to Sica Hollow up by Sisseton.

Obviously I have dealt with easements and stuff. Construction of the Basin Electric plant, had hundreds of cars going by every day for several years. So, like I say, we're not obviously very excited about another construction project in our area.

But the main thing I need to addresses is why we can't straighten that line out and go across -- go along property lines.

MR. HILLSTROM: This is an area that we have talked about, too, and we -- we, in the process of developing
this route, we did study ways to get around Gilley's Grove. And what we ended up with, you can see the alignment, does avoid the wooded area. And I know that doesn't make you happy because it still does go across the property.

Like I said earlier, we have a long track record of working with the landowners to do adjustments where they work. And this is an area that we can certainly look at. I think there are some engineering constraints here. I don't know all the answers tonight, but we're -- we're happy to work with you to figure out the best place for this power line. But understanding the constraints of -you know, we did study ways to get around this area, and found that there are -- there are constraints everywhere you go. So this, to us, seemed like the least impactful route. But, again, we're open-minded. We're happy to continue that dialogue.

COMMISSIONER NELSON: Tom, before this is all done, we are going to have to talk about those constraints and know exactly what they are. I mean that answer is pretty broad to me; you've got constraints, but we don't know what they are. And so I would want to know what those are.

Obviously, looking at the map, if you bring it all the way to the section line, you're getting pretty close

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 605-338-8898concerns. We have the folks here, and it's an excellent opportunity to see if we can straighten out some future challenges.

MR. LARSON: Again, Russ Larson. I would like to make one additional comment. Back in 1965, '6 or '7, we had a WAPA line go through our pasture. To this day you can tell where the Cat scarred the hills and everything else. The same with the poles that were put in three years ago. Those hillsides and those native pastures are never going to come back. They have got mats and everything down. And, you know, it didn't rain last summer. They have all blown away and that sort of thing. So we're going to insist that you guys stay on your right-of-way and restore those pastures the way they were.

COMMISSIONER NELSON: I appreciate your bringing that up because during the initial presentation, that is one the notes I made. I wanted you to talk a little bit more about grassland restoration. I have got some personal experience with that that's not positive, and so I really want you to talk about what do you consider fully restored and what do you commit to these folks to get to. The experience I've got, the company I dealt with, said that 70 percent was good enough. Well, I don't think 70 percent is good enough. And I want to know what your

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to an existing 345 line, so I understand there is going to have to be some space there, but it looks to me like you could come a lot closer to that section corner than what you have. And so at some point we're going to need a response to that, as to what the constraint is and why it can't be -- why that -- it can't follow that section line a little bit closer.

MR. MEYER: Barron Meyer, M-e-y-e-r. And you might as well leave that up there. I am a quarter section just south of Gilley's Grove there where the line goes diagonally across. There you go. The green to the right is a grassland easement, which I understand you guys don't like to go anywhere near. But as you can see, it goes diagonally across my quarter. So I'm -- just like Russell stated about the grove up there, we would like you to make some square corners out there.

MR. HILLSTROM: I think that's an area that we need to look at and get back to you on. And the way -- the way I understood your comment was, if I can maybe just point at the map, is this the -- to go straight east along the southern property boundary of Gilley's Grove and then south of the eastern boundary of Gilley's Grove, is that --

MR. MEYER: Yes. Yeah, that would work.
CHAIRMAN HANSON: Please, further -- further
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standard is and what you consider fully restored.
MR. HILLSTROM: Well, we're committed to work with the landowners to get it back to where it was before we started our construction. And I believe the 70 percent figure is out of a storm water pollution prevention plan requirement where the companies are required to get vegetation restored to a 70 percent coverage level before we can stop monitoring it. But the -- what we need to do is restore to the preconstruction conditions, and that's on an individual basis. Whatever the seed mix is we need to put down, we will put down. We need to get it back to where it was before we started.

COMMISSIONER NELSON: And does that include
population density? Are you committed to restoring a hundred percent population density or do you fall back on the 70 percent basis?

MR. HILLSTROM: I guess I'm struggling there. The 70 percent allows us to stop monitoring every week for the storm water permit. But we're committed to get it back to whatever it was before we started. So the 70 percent is an answer for the permit technicality, but we're committed to get it back to where it was before we started construction.

COMMISSIONER NELSON: Thank you.
CHAIRMAN HANSON: If you have a question, please
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raise your hand or comment. Please.
MS. LEWIS: This is Kelly Lewis again. Out of ignorance of this process, why are these not underground?

MR. HILLSTROM: That's a good question. We get that question a lot. And the main answer is cost. There are a lot of lines that are built underground, but those are the lower voltage lines that bring the electricity to your house. Those are pretty easy to bury.

To bury a transmission line of this high voltage, you need very specialized cable. And it turns the cost from 2 million dollars a mile, multiplies that by a factor of maybe 10. So instead of 2 million a mile, it's 20 million. So the main reason is cost. And we just can't justify that extra cost unless there is a very specific constraint there.

So there are places where we do build underground transmission, but those places are very limited; say, at the end of a runway or downtown in a big city where you physically can't possibly build a line overhead. So it's cost, and there is an element of reliability; where you think it might be more reliable if it's underground and not subject to the weather, but if an underground line goes out, it's very difficult to locate the problem, and then it's very -- it's a much more lengthy process to fix it because we need to get the specialized cable in, and

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MR. HILLSTROM: Is he pointing at the right gravel road?

MR. JUENKE: Yes.
MR. HILLStrom: Can you do that measurement, Matt?
MR. TEICHERT: Quarter mile at this location.
MR. HILLSTROM: Yeah. So I can answer your question in general. We talked about the stand of poles being about 900 feet apart. And where we do go across a water body, as long as that water body is less than 900 feet or so, we can completely span it. So we don't need to put a pole in there. We don't need to disturb it. Where we cross water bodies, that's how we minimize the impact.

MR. JUENKE: Still have to get your equipment down there.

MR. HILLSTROM: Well, we can approach it from both sides. The pole can be worked on from one side, and then come at it from the other side as well.

UNIDENTIFIED SPEAKER: That is all my land, too. MS. MEYER: Nila Meyer.
CHAIRMAN HANSON: Hope that's not your heart beat.
MS. MEYER: I just have a question about if there is any long-term or -- any long-term studies regarding the health effects of these high power electrical lines on individuals that live within the vicinity or drive under them on a regular basis back and forth to work.

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it takes a lot longer to fix when you're going under. But mainly it's the cost.

CHAIRMAN HANSON: Great questions. I feel like an auctioneer here when I ask if there are any additional ones here.

MR. JUENKE: Can you bring up Oak Lake on your GPS.
And can you address how you are going to handle crossing
the inlet to Oak Lake.
MR. HILLSTROM: I need to see the area before I can take a stab at that one. Is Oak Lake a water body kind of in the middle of the picture? Oak Lake is not a lake? Is it -- are you talking about a specific lake or the township in general?

MR. JUENKE: There's a -- it's a lake.
CHAIRMAN HANSON: There's a lake and a township.
MR. JUENKE: Yes. That's it right there. Yeah. As you can see, your projected line goes right -- I can't understand why it jags into the lake. You go to the road, from the way that I understand it. That's right where the inlet to the lake is.

MR. HILLSTROM: Matt, can you turn on the -- there we go.

MR. JUENKE: So I guess really how far is your projected line from the gravel road there? It is so difficult to tell. At least it is for me.

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to an agreement. I think that we -- what we have done an agreement. I think that we -- what we have done with our routing is we know that this is the place where we're pretty sure that -- the line has to get through here somewhere. Every other place we have looked at has a serious problem. I think that we can adjust it. The comments that I have heard tonight seem reasonable. I think that we can explore those property line routes. I think that makes a lot of sense.

MS. FROMM: Sheryl Fromm. Did you say that you had contacted all the property owners? This letter is the first notice that we have had of any of this.

MR. HILLSTROM: Yes. What we have done is we've sent out mailings throughout our process. It goes back a couple of years now. And the way we do this is we have to go to the counties to get taxpayer identification, the names. That's the only way we can get property owners' names. And we develop a list of landowners based on those county databases. And it happens almost on every project that there is a mistake in that database, and somebody doesn't get the mailing. And that is why we go to the extra effort of putting ads in newspapers and collecting names of people who didn't get the mailing so we can fix those mistakes.

But I can tell you this; that all of the -- all the landowners along the route that we're proposing have been
contacted by our right-of-way agents individually. So if you own land that is crossed by the route that we're proposing, we have reached out to you.

MS. FROMM: Well, that looks like that is ours, and nobody has contacted us. My mother owns it. She lives in Colorado. She didn't know anything about it.

MR. HILLSTROM: Well, we should talk one-on-one because that's -- I think there is big problem there because we have had agents out digging up contact information and making individual contacts for every landowner out there.

MS. FROMM: You actually have this addressed to my father who has been dead since 1993.

MR. HILLSTROM: Well, if that's the case, we want to fix that right now. So I would appreciate it if you could talk to Chris Rogers. He's our right-of-way specialist there, and he can -- he can fix that.

CHAIRMAN HANSON: Well, it appears that we're solving some challenges this evening. That's good. That is the purpose of having this hearing, along with the fact that it gives the Commission an opportunity to meet some of the folks that are -- and some of the challenges that you're confronted with. At the same time, it's an opportunity for you to get to know the folks from Otter Tail, and specifically those people that you can work

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with. I -- I'm guessing that the reason they have that particular address is that that's what is on the tax receipt at the county.

MS. FROMM: Actually my mother got remarried. It's not correct.

CHAIRMAN HANSON: Oh, really.
MS. FROMM: So I don't know. It looks like that line right through our property.

CHAIRMAN HANSON: Thank you. I'm glad you brought that up. Any other concerns or questions or comments?

MR. SMITH: I just want to know, on the list of
people they did mail to, there is a Theodore Fromm. Is that --

MS. FROMM: That would be my father.
MR. SMITH: Okay. That is who got served.
MS. FROMM: Like I said, he's not been with us for many years.

MR. SMITH: He is probably just listed on the county's role I guess.

MS. FROMM: I think it's under my mother's name
CHAIRMAN HANSON: Thank you. Commissioner, did you have a question?

COMMISSIONER NELSON: I just had one other question. Tom, you talked about the fact that you can't plant trees under the power line obviously. Are there any places
where you are going to have to clear cut through shelterbelts on the proposed route?

MR. HILLSTROM: The one -- the one house that I mentioned that is within 100 feet of the route, that will require moving trees -- removing trees next to that home. But, like I said, it's a vacant rental property. There may be other places. We -- we did our best to avoid that. Not only do we want to avoid proximity to homes, but especially we try to avoid the proximity that would require us to move that shelterbelt. We understand the importance of shelterbelts. I can't think of another place on the route where we need to remove a shelterbelt. That doesn't mean there isn't another place. I just can't think of another one.

COMMISSIONER NELSON: Thank you.
MR. MEYER: Barron Meyer again. Commissioner Nelson, I'm one of those that they would go through a shelterbelt. In fact, I got two of them out there I planted, and they are doing very well.

COMMISSIONER NELSON: Thank you.
MR. WEISS: I kind of hate to make this comment. But a dear friend of mine, he lives down by Flandreau -- Carl Weiss again. Anyhow, a good friend of mine down at Flandreau, South Dakota, he lives underneath a big steel high line. I don't know how many years it went through,

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 605-338-8898that everyone is treated fairly. And so if -- you can help us out in that because no one in this room knows, even if you have lived in this area, don't know every foot of where that transmission line is being proposed to go. At least I don't think you do. And so we really need to all work together. We're all smarter than any one of us, so please help us out from that respect, and contact us if you have any type of concern.

I'll ask one last time for any comments. If anyone has any comments and -- this is your opportunity. This is not your last opportunity. You can certainly contact us.

If not, on behalf of all the Commissioners, I would like to say thank you very, very much for attending, and thank you, Otter Tail and Xcel, for the presentation and information you have provided. And we'll look forward as Commissioners to going through the docket and the hearing processes in Pierre.

Is there a motion to adjourn the hearing?
COMMISSIONER NELSON: So moved.
CHAIRMAN HANSON: All those in favor signify by saying aye.
(All respond aye.)
CHAIRMAN HANSON: Motion carried. We are adjourned. (End of proceedings at 7:35 p.m.)

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$\begin{array}{ll}\text { State of south dakota ; } \\ \text { COUNTY OF minnehaha } & \text {; }\end{array}$

I, Kerry Lange, Court Reporter and Notary Public in the above-named County and State, certify that the above-entitled proceedings were reported by me, and the foregoing Pages 1 - 43, inclusive, are a true and correct transcript of my stenotype notes.

Dated at Sioux Falls, South Dakota, this 26 th day of August, 2013.

Kerry Lange
Commission Expires: 7/12/17

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