1 THE PUBLIC UTILITIES COMMISSION 2 OF THE STATE OF SOUTH DAKOTA 3 4 IN THE MATTER OF THE COMPLAINT FILED BY NORTHERN STATES POWER 5 D/B/A XCEL ENERGY AGAINST SOUTHEASTERN ELECTRIC COOPERATIVE, EL11-025 6 INCORPORATED FOR A VIOLATION OF THE SERVICE TERRITORY LAWS 7 8 Transcript of Proceedings ORIGINAL 9 December 6, 2011 10 \_ \_ \_ \_ \_ \_ 11 BEFORE THE PUBLIC UTILITIES COMMISSION, GARY HANSON, CHAIRMAN CHRIS NELSON, VICE CHAIRMAN 12 KRISTIE FIEGEN, COMMISSIONER 13 COMMISSION STAFF - 14 John Smith Ryan Soye 15Demaris Axthelm Ross Pedersen 16 APPEARANCES 17 Brett Koenecke, Xcel Energy 18 R. Alan Peterson, Southeastern Electric Cooperative 19 20 21 22 23 Reported By Cheri McComsey Wittler, RPR, CRR RECEIVED 24 25 DEC 1 6 2011 SOUTH DAKOTA PUBLIC **ITILITIES COMMISSION** 

1	TRANSCRIPT OF PROCEEDINGS, held in the	
2	above-entitled matter, at the South Dakota State Capit	ol
3	Building, Room 412, 500 East Capitol Avenue, Pierre,	
4	South Dakota, on the 6th day of December, 2011,	2
5	commencing at 1 o'clock p.m.	
6		= =
7	INDEX	
8	WITNESS PAG	E
9	Jim Wilcox Direct by Mr. Koenecke 11	
10	Cross by Mr. Peterson 28 Cross by Mr. Soye 36	
11	Brad Schardin	
12	Direct by Mr. Koenecke 45 Cross by Mr. Peterson 48	
13	Tim Chance	Ē
14	By Mr. Peterson 49 By Mr. Koenecke 60	
15	By Mr. Soye 67	
16	Ross Pedersen By Mr. Soye 72	
17		
18		
19		
20		
21		
22		
23		
24		
25		

I N D E X (Continued) STAFF EXHIBIT NOS. М R 1 - 1976 Map 2 - Territory Boundary 3 - Xcel's Interpretation 4 - SEE's Interpretation 5 - Comparative View 6 - Relevant lines & distances 7 - Post EL09-021 8 - Service Territory Agreement 9 - PUC Order 10 - Joint Request XCEL EXHIBIT NOS. R М 1 - PUC Official Electric Territory 2 - Map of Oxford & Whispering Woods 3 - Xcel Map 4 - Territory Boundary Exception SOUTHEASTERN EXHIBIT NOS. R М 1 - Map 4 - 7 - 44 - 8 and 44 - 93 - Map of Proposed Trade Area 6 - Map Saddlebrook Homes 7 - PUC Order 8 - Map Whispering Woods (Staff Exhibits 1 through 10 are marked) (Xcel Exhibit 1 through 4 are marked) (Southeastern Exhibits 1, 3, 6, 7, and 8 are marked) 

1 CHAIRMAN HANSON: Ladies and gentlemen, we will 2 begin the hearing in Docket EL11-025, In the Matter of 3 the Complaint by Northern States Power doing business as 4 Xcel Energy against Southeastern Electric Cooperative, 5 Incorporated for a violation of the service territory 6 laws.

7 The time is approximately 1 p.m. Today's date 8 is December 6, 2011. We are in the hearing room in 9 Room 414 of the State Capitol in Pierre, South Dakota. 10 I'm Gary Hanson, Commission Chair. With me today are 11 Commissioners Chris Nelson and Kristie Fiegen.

12 I'm presiding over this hearing. This hearing 13 was noticed pursuant to the Commission's Order For and 14 Notice of Hearing issued December 1, 2011.

The issues at this hearing are, first, whether the 2009 Order in Docket EL09-021 affected a change in the territorial boundary between Xcel and Southeastern in accordance with the agreement forming the basis of the 2009 Order.

Secondly, whether the territory into which Southeastern has extended service is within the boundary as established by the 2009 Order. And, third, whether a basis in fact and law has been established for Xcel to obtain relief from the 2009 Order. And, fourth, if a basis in fact and law has been established for Xcel to

obtain relief from the 2009 Order, what relief is appropriate based on the facts established in the Order and applicable law.

Forgive me. I -- as I was reading through that, I recognized we have Cheri today transcribing what we are proceeding with. And sometimes when we read documents -and I would remind everyone of this. When we read we have a tendency to speak more quickly, and that's just not fair. So I'd remind people as they testify to make certain that they're not speaking like an auctioneer.

John Smith, the Commission's Counsel, will act 11 as Hearing Examiner as we do in hearings of this nature. 12 He will conduct the hearing subject to the Commission's 13 oversight. He may provide recommended rulings on 14 procedural and evidentiary matters. The Commission may 15 overrule its counsel's preliminary rulings throughout the 16 hearing. If not overruled, the preliminary rulings will 17 18 become final rulings.

With that, we will turn it over to counsel, 19 General Counsel Mr. Smith, to conduct the hearing. 20 Thank you. Pardon me, Mr. Chairman. 21 MR. SMITH: CHAIRMAN HANSON: No. You're on schedule. 22 And we'll Thank you, Mr. Chairman. 23 MR. SMITH: begin the formal part of the hearing then. 24 I'd like to welcome everyone. And you get to be 25

1 here on the day of the Governor's budget address, which 2 makes parking extra fun. So with that, we'll proceed. 3 First we'll take the appearances of the parties, and we'll start with the Complainant, Xcel. 4 5 Mr. Koenecke. 6 MR. KOENECKE: Thank you, Mr. Smith. My name is 7 Brett Koenecke. I'm a lawyer from Pierre, and I'm representing Xcel Energy today. 8 9 MR. SMITH: Thank you. Thank you. Do you have 10 anyone else to introduce, or do you want to do that when 11 you do your calling? MR. KOENECKE: I've always heard that Jim Wilcox 12 1.3 from Xcel needed no introduction. But, nonetheless, he's 14 here with me today seated to my left. 15 Thank you. Mr. Peterson. MR. SMITH: Thank you. R. Alan Peterson of 16 MR. PETERSON: the Lynn Jackson firm in Sioux Falls representing 17 18 Southeastern Electric. And with me today is Brad 19 Schardin, the manager, and Tim Chance, the operations 20 manager. 21 Thank you, Mr. Peterson. MR. SMITH: 22 Mr. Soye. Thank you. This is Ryan Soye, along 23 MR. SOYE: 24 with Ross Pedersen on the part of staff. MR. SMITH: 25 Thank you.

1 With that, let's turn to preliminary matters. As I understand it from some conversations that 2 3 occurred prior to us convening the hearing here today, the parties apparently have reached a stipulation as to 4 admission of their various exhibits. 5 Am I correct in that, counsel? 6 7 MR. PETERSON: Yes. MR. KOENECKE: Yes, Mr. Smith. 8 MR. SMITH: So then I don't know whether it's 9 you, Mr. Koenecke, or which of you. Would you like to 10 proceed with that order of business at the outset? 11 MR. KOENECKE: I would. I think that makes the 12 most sense. I'll probably move up to the witness stand 13 14 to start that. 15 MR. SMITH: Please do so. MR. KOENECKE: Thank you. We've marked large 16 exhibits here. Xcel has 1 through 4. Mr. Wilcox has 17 smaller sheets to hand out. But I'll start with Xcel 1 18 19 is the Lincoln County excerpt from the Commission's 20 official maps. Xcel 2 is a combination of the exhibit from 21 the '09 docket laid next to the territory at issue 22 here. Xcel 3 is a schematic of Xcel facilities currently 23 in the area. And Xcel 4 is the Exhibit A from the '09 24 25 docket.

1 And we would ask that they be stipulated into the record at this time. 2 3 MR. PETERSON: No objection. MR. SMITH: Staff? 4 MR. SOYE: No objection from Staff. 5 MR. SMITH: Xcel 1 through 4 are admitted. 6 7 MR. KOENECKE: Thank you. MR. SMITH: Are we going to take all the 8 stipulations up front, or how do you want to do that? 9 MR. KOENECKE: I believe so. I'd like to do it 10 that way and get them all out of the way. 11 MR. SMITH: Mr. Peterson, would you proceed then 1.2 with yours. And if you want to do it right there at your 13 14 spot, that's fine. 15 MR. PETERSON: Thank you. I have five Southeastern exhibits that we've stipulated to. They are 16 17Exhibit 1, which is a general area map to orient the Commission and the witnesses as to the location of the 18 contested area. 19 What is marked as Southeast Electric 3, which is 20 an enlargement of the 2009 map that was submitted as part 21 of the joint request. Southeast Electric Exhibit 6, 22 which is a map showing the installation of the facilities 23 that Southeast Electric has in the contested area. 24 Southeast Electric 7, which is a copy of the 25

EL09-021 Order granting approval of the electric service 1 territorial boundary changes. And Southeastern 2 Electric 8, which is a GSA map of the contested area. 3 Those are the exhibits in addition to what has 4 already been stipulated that we anticipate may be used. 5 MR. SMITH: Thank you. Are you offering those 6 7 now? MR. PETERSON: Yes, please. 8 MR. KOENECKE: No objection. 9 MR. SOYE: No objection from Staff. 10 Okay. Then the exhibits -- and if MR. SMITH: 11 12 I'm correct, it's Southeast 1, 3, 6, 7, and 8? MR. PETERSON: Correct. I have smaller versions 13 14to be handed out. Are we handing those out now? MR. SMITH: However you guys want to handle it. 15 16 Why don't we get the stipulation done, and then we'll do a little shuffle and do the handout. How is that? 17 Okay. Mr. Soye, do you want to proceed? 18 MR. SOYE: On the part of Staff we are offering 19 Staff Exhibits 1 through 10. The first 7 exhibits are 20 maps that Staff has created. They all do have titles. 21 However, it will be difficult for me to describe the maps 22 as they are all GIS, Geographical Information System, 23 recreation maps in dispute. But we did label them for 24 25 identification purposes.

1 And then Staff's Exhibit 8 is the 1976 Territory Agreement between Xcel and Southeastern with the attached 2 Exhibit E legal description. Staff Exhibit 9 is the 3 EL00-026 Commission Order. And Staff Exhibit 10 is 4 09-021 agreement with the map and the other attachments 5 that were included to the Commission. 6 7 MR. SMITH: Okay. With that, Counsel, we've stipulated to those? 8 MR. KOENECKE: No objection. 9 10 MR. PETERSON: No objection. MR. SMITH: Okay. Thanks. Then Staff's 1 11 through 10 are admitted. 12 And I think we're done with that. Do you want 13 to pause a minute now and do your handing out? 14 MR. KOENECKE: I would like to. 15 16 MR. SMITH: Okay. Why don't we get that over 17 with, and then we'll get going with the work here. (Discussion off the record) 18 MR. SMITH: With that then, are we ready to 19 20 proceed? MR. KOENECKE: I'm ready, Mr. Smith. 21 22 MR. SMITH: Do you wish to make an opening 23 statement? MR. KOENECKE: I'll waive an opening statement 24 25 if the other parties will.

MR. PETERSON: We will waive. 1 No opening statements. MR. SMITH: Okay. Then 2 let me ask one more thing. Are there any other 3 preliminary matters before we get to testimony? 4 MR. KOENECKE: No, Mr. Smith. 5 MR. SMITH: Okay. Thank you. 6 Then, Mr. Koenecke, please proceed with your 7 direct case. 8 MR. KOENECKE: I would call James C. Wilcox to 9 the stand. 10 (The witness is sworn by the court reporter) 11 DIRECT EXAMINATION 12 13 BY MR. KOENECKE: Good afternoon, Mr. Wilcox. Would you state your 14 Ο. name and business address for the record, please. 15 I'm James Wilcox, 500 West Russell Street in 16 Α. Sioux Falls 57104. 17 Can you tell me who your employer is? 18 Q. I work for Xcel Energy in South Dakota. 19 Α. And what do you do for Xcel Energy? 20 Ο. My title is Manager of Government and Regulatory 21 Α. 22 Affairs. And how long have you been so employed? 23 Q. I've been with Xcel Energy and its predecessor 24 Α. 25 company for 35 years.

1	Q. What's your educational background?
2	A. I have an undergraduate degree in electrical energy
3	from South Dakota State University and an MBA from St.
4	Thomas University in St. Paul, Minnesota.
5	Q. Thank you. Do your job responsibilities entail the
6	filing of dockets and responding to actions here at the
7	Commission?
8	A. That's correct.
9	Q. And were you here this afternoon when we marked and
10	stipulated exhibits into the record?
11	A. I was.
12	Q. And are you familiar with all of those?
13	A. I believe I am.
14	Q. Okay. Are you aware that Sections 7 and 12 are at
15	issue in this proceeding?
16	A. That's correct. I believe that's the case.
17	Q. And have you been to the locations that we've
18	described?
19	A. Yes, I have.
20	Q. Okay. I guess my first question for you,
21	Mr. Wilcox, is are Sections 7 and 12 square sections?
22	A. Can we can I show it on the exhibits?
23	Q. If you'd like. Would you put up Staff Exhibit 1.
24	A. Yes.
25	Q. Let's put up Xcel Energy 1.
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 20 21 22 23 24

1 Α. Yeah. Let's start with that. 2 MR. SMITH: I think it's -- is it upsidedown? THE WITNESS: Can't you see things upsidedown? 3 MR. SMITH: Hey, Jim, when you sit back can you 4 5 pull that mic. up then and maybe push it a little bit out 6 of the way turn it that way. Your head is talking to 7 Brett. Thanks. I'd start with this overview map, I think. It is 8 Α. Appendix A to a contract that we have with Southeastern 9 10 Co-op in our 1976 contract. And if you look carefully you can see that -- as you know, most sections in rural 11 12 South Dakota are 1 mile square. But with the exception in this northern tier of 13 1.4 sections in Lincoln County. You can even see it on this map. It's a short tier of sections. In fact, those 15 sections are only about three-quarters of a mile in 16 length north to south. In fact, Section 7 is just a 17 shade less than a mile east to west. 18 So to answer your question, Mr. Koenecke, yes, these 19 sections are -- this section is not a full normal 20 21 section. It is not square? 22 Q. 23 A. It is not square. MR. KOENECKE: Are the Staff exhibits up at the 24 25 table, Mr. Soye?

1 MR. SOYE: Yes. We should have the originals at 2 the table, yes. 3 Mr. Wilcox, I'd like to direct you to Staff Ο. 4 Exhibit 8, the 1976 agreement. Thank you. 5 Α. 6 THE WITNESS: That's 10. 7 Α. Yes. I'm familiar with this. Would you tell the Commission what this is? 8 Ο. Staff Exhibit No. 8 is a contract that was 9 Α. 10 established between Northern States Power Company and 11 Lincoln Union Electric Company, now Southeastern Electric 12 Co-op, and Xcel Energy were both successor companies to 13 those organizations. 14 This contract followed a statutory change in 1975 that caused the Commission to become involved in 15 16 establishing service territory boundaries for all the 17 electric providers in South Dakota. 1.8 Prior to that time we had really some problems with 19 assigning who got to serve what customers, and there were 20 quite a number of court cases and some litigation 21 throughout the 1960s and early '70s. 22 And it all resulted in a statutory change in 1975 23 that essentially caused lines to be drawn on maps and a 24 service territory to be assigned to all electric 25 providers.

And in those statutes they also directed this 1 Commission and the Staff to gather up all the facilities 2 maps that existed at that time, and someone from the 3 Staff -- I think it was Martin Bettmann. I'm not sure if 4 he did it by himself. But he took all of the facilities 5 maps that we all provided, laid them down, and sort of 6 merged them together so that he could see where our 7 facilities lied. And then applied a statute that said 8 that lines should be drawn equidistant between 9 10 facilities. He drew lines on maps to establish service 11 territory, and that's kind of the history of how we 12 established this map in particular. 13 And then the statute also called for all neighboring 14 companies in South Dakota to come together and develop a 15 contract that would help define these maps and assign 16 some legal descriptions to these lines and come together 17 to agreement so that we would not have these ongoing 18 questions about who got to -- which company served new 19 20 customers. So this contract that's now labeled Exhibit Staff 8 21 is the result of a contract that was signed between 22 Xcel Energy and Southeastern Co-op in 1976. 23 I think the important aspect of this contract, if I 24

25 could, I would direct your attention to the bottom of

1 page 2 of this contract. Now, if you recall, I talked 2 about Martin Bettmann drawing lines on maps. So the maps 3 came first. And then someone came along later and 4 attempted to describe those maps with legal descriptions. 5 And they became a part of Exhibit B that we'll talk about 6 later.

7 But on the bottom of page 2 the parties in this contract contemplated that there might be a conflict 8 9 sometime between a map and these legal descriptions of 10 Exhibit B. And have so at the bottom of page 2 is 11 language that provided for this day when they agreed that 12 it's mutually understood and agreed by and between the parties pursuant to the law that the descriptions of 13 14 Exhibit B attached in the map of Exhibit A to the map --15 I'm sorry. I'm misreading.

16 Q. Jim, why don't you just read that paragraph into the 17 record, if you would, verbatim.

18 Α. "It is mutually understood and agreed by and between 19 the parties submitting this map, Exhibit A, pursuant to 20 SDCL 49-34A-44, that the descriptions, Exhibit B which 21 are attached to this map, are not controlling. If there 22 is any conflict between the written description of areas 23 and the maps submitted, in each instance where there is a conflict between the map, Exhibit A, and the written 24 25 description, the map shall in all respects be conclusive

1	proof of the assigned service area of each utility."
2	And that's an important principle I think in our
3	case today really. So that is
4	Q. Jim, if I could direct your attention then to Staff
5	Exhibit 1, do you have that in front of you?
6	A. I do.
7	Q. And could you explain to the Commission why don't
8	you just leave up Xcel 1. And I think everyone has a
9	copy of Staff 1. Could you explain what you believe the
10	picket graphic depiction is there?
11	A. Yes. Well, this Staff Exhibit 1 is, as I understand
12	it, an expanded version of this Exhibit A from the
13	contract, the big map that I've been speaking to on the
14	easel over here.
15	And because this northern tier of sections in
16	Lincoln County is shorter than the typical section, about
17 .	three-quarters of a mile, I believe that there were
18	facilities both by Xcel Energy and Southeastern Co-op
19	Xcel had facilities along 57th Street which is at the top
20	of this map. And I think the Co-op probably had
21	facilities along 69th Street, which is in the middle of
22	this map. And so that caused these blue lines to be
23	drawn equidistant between our existing facilities.
24	And so within Section 7 the left half of Section 7,
25	that blue line is if you measure with a ruler, it's

ì

apparent to me that -- and I believe that line is 1 2 equidistant between the top of that section and the bottom of that section. And that's -- and that's, you 3 know -- that's how I see this map. 4 Thank you. Thank you. Mr. Wilcox, I'd like to 5 Ο. direct your attention to Staff Exhibit 9. Do you have 6 that in front of you? 7 Α. I do. 8 Were you involved in the Docket that resulted in 9 Q. 10 Staff Exhibit 9? 11 Yes, I was. Α. It appears to me like Staff Exhibit 9 also discusses 12 Q. Section 7. Is that the same Section 7 we're speaking of? 13 14 It is not. Α. And what's the difference? 15 Ο. This is another section, coincidentally No. 7, about 16 Α. 6 miles to the west. We had a very similar matter to 17 this case in the year 2000 where we appeared before this 18 19 Commission in a hearing much like this one and a very 20 similar situation. We had another line on a map that we believed was 21 equidistant north to south between 57th Street and 22 23 69th Street. And we prevailed in that case and established a precedent, I think, to move forward. 24 Thank you. Now I'll turn our attention to the 25 Q.

2009 Docket, which I believe is Staff Exhibit 10. 1 2 Α. Yeah. What was your involvement in the 2009 Docket? 3 Q. As a manager of regulatory affairs for Xcel Energy, 4 Α. I was asked to put a cover letter on the agreement and 5 file it with the Commission for approval. 6 7 Did you negotiate the particulars? 0. Α. I did not. 8 Do you know who did? 9 0. I understand that Pam Osthus from our office, a 10 Α. designer, now retired, was involved with the -- from 11 Xcel Energy in negotiating this agreement. 12 Jim, I'll have you take a look at the page 2 of 13 0. Exhibit 10, and I'll direct your attention to numbered 14 sentence 5 right in the middle of the page. 15 16 Α. Okay. Can you read that allowed, please. 17 0. "Then south along South Southeastern Avenue or 18 Α. 476th Avenue to the existing boundary line, which is 19 one-half mile north of 69th Avenue or 269th Street." 20 21 0. Jim, that sentence isn't correct, is it? There's several -- a couple of, I think, 22 Α. 23 inaccuracies or mistakes, yes. 24 What would they be? Q. 25 Well, the existing boundary line, in my view, is Α.

not -- is not one-half mile north of 69th Street. 1 It's 2 not avenue. Based on my understanding of our 1976 contract and 3 these maps, that line is more like three-eighths of a 4 mile north of 69th Street, not one-half mile. 5 So you see two problems with the sentence in No. 5? 6 0. 7 Α. I think so, yes. Okay. Let's turn the page then to the next -- it 8 0. would be page 3 of Exhibit 10. And you see there in 9 green towards the bottom where it says "existing boundary 10 line"? 11 12 A. Correct. Is it your contention that the existing boundary 13 0. line is correct on this map? 14 15 I do not. I believe that Xcel Energy made a Α. 16 mistake -- and maybe both parties apparently made a mistake -- in believing that that was the existing 17 18 boundary line. I believe that the existing boundary line was about 19 600 feet to the south of that line that is called 20 existing boundary line. So I believe we made a mistake 21 in accepting that as the existing boundary line. 22 23 Looking further at this map, can you describe -- it ο. appears that there was a trade of some relatively equal 24 25 sized parcels of property.

A. That's correct. As is the case in many housing developments where we have the lay on territory line between the companies, we'll work cooperatively with our neighbors to try to resolve those so that the line doesn't actually bisect anyone's house. So we've done this many times in the past.

We've worked cooperatively in this case to come 7 together to a mutual agreement that, you know, working 8 around what we thought was the proper boundary line to 9 10 trade some lots to make a fair exchange. Was there any property or territory, I should say, 11 Ο. 12 traded that's not pictured on this map? I don't think so, no. 13 Α. Thank you. Whose signature is on page 2 of 14 Ο. Exhibit 10 for Xcel Energy? 15 That is Larry Crosby, vice president of operations 16 Α. management, who is no longer with the company. 17 I'd like to direct your attention back -- or still 18 0. on page 2 to sentence 6. And if you would put up Xcel 19 Exhibit No. 3, I believe. I'm sorry. Pick up No. 2, 20 21 please.

22 Would you please describe this exhibit to the 23 Commission.

A. This exhibit attempts to combine the map that wasprepared in the '09 Docket that's up in the upper left

corner with the current case, the Whispering Woods 1 2 Development case. It's kind of on the right З two-thirds -- east of Southeastern Avenue is the Whispering Woods Development. 4 So it depicts in my mind where I believe my friends 5 at the Co-op think the territory boundary should be, the 6 red line. And the blue line is where I believe that this 7 8 line should be drawn. You believe the blue line is equidistant between 9 Ο. 57th and 69th? 10 11 Α. That was my intent when I drew this line, yes. 12 Ο. And then is the red line a half a mile north of 13 69th? That's correct. That's what I believe is the 14 Α. difference, yes. 15 Is the Whispering Woods division on the right? 16 0. 17 Α. It is to the east, to the right, of Southeastern Avenue. Called a boulevard, but actually it's avenue. 18 19 And has Southeastern Co-op extended their facilities Ο. 20 into territory north of the blue line in Section 7? 21 Α. Yes. That's my understanding, that the leftmost --22 two blocks north to south between the blue and the red 23 lines have facilities that have been stubbed up already. 24 And are there facilities then south of the red line? Q. 25 That's correct. North of the blue line. Α.

Q. North of the blue line, south of the red line? 1 That's correct. 2 Α. 3 Ο. And east of Southeastern Avenue? That's correct. Α. 4 Looking back at Staff Exhibit 10, in sentence 6 on 5 Q. 6 page 2 can you read that into the record for us? It reads "Then east one-half mile to the northeast 7 Ά. corner of the southwest quarter of Section 7 of Township 8 100 North, Range 49 West." 9 10 Can you make sense of that sentence, given Ο. everything else that you know about this joint request? 11 Well, I have to admit I'm confused by that sentence. 12 Α. 13 It appears to take you into the center -- the very 0. center of Section 7; correct? 14 15 Α. Yes. 1.6 And it appears then like Xcel gave up some Ο. territory in Section 7 and got nothing in return. 17 Ιs 18 that correct? 19Well, you could draw that inference that that was Α. 20 the intent of that sentence. 21 But that would be inconsistent with the territory Ο. 22 swap that was contained on the third page, the exhibit to the '09 Docket; is that correct? 23 24 I think that's correct. It would be extraneous Α. 25 really to the territory swap that we were working on in

1	'09. And, you know, it's inadvertent. Probably a
2	mistake for us to have allowed that to have gone into
3	this document. But it's there.
4	I would add, the map of the in '09 does not
5	extend a line, a map drawing of any kind, into Section 7.
6	So in my mind the map that still controls Section 7 is
7	the original territory map of the 1976 contract.
8	Q. Do you ever does Xcel ever give away territory?
9	A. Not to my knowledge.
10	Q. But you routinely swap territory?
11	A. Yes, we do. I'd say I've done a dozen of these over
12	the last 20 years. This was the first time I was not
13	involved in the development contract.
14	Q. Mr. Wilcox, is that the Whispering Woods addition to
15	the east of Southeastern?
16	A. It is.
17	Q. What's Xcel's intention for the Whispering Woods
18	addition?
19	A. I have another map.
20	Q. Please put it up.
21	A. That's Xcel 3.
22	Q. Xcel 3. Thank you. Does Xcel Energy intend to
23	provide electrical services to the residence of
24	Whispering Woods?
25	A. That's correct. We have prepared and planned to

1 provide service, electrical service, to the customers 2 that will reside in our part of the Whispering Woods 3 Development.

It's kind of a busy map, and I apologize for that.
It's an electrical map used by our designers and
engineers. But the highlights, I suppose, are you'll see
dotted and dashed blue lines that run along 57th Street
and then down along Southeastern Avenue. That is an
overhead 13.8 kv three-phase power line.

10 And then all the red lines that sort of snake in and 11 out of the neighborhood, the housing lots and the current 12 part of Whispering Woods that has been developed, those 13 red lines are underground facilities that go to serve all 14 of those houses.

And so we've been planning and preparing to serve what we believe is our portion of the Whispering Woods housing development.

18 Q. When you say what you believe is your portion, do 19 you mean down to the blue line?

20 A. That's correct. I have not drawn what I believe the21 territory lines are on this map.

22 Q. When did you become aware of Southeastern's

23 extensions into Whispering Woods?

24 A. This summer.

25 Q. And what state of construction were they at?

1	A. Well, I'm not quite sure. I think they were
2	planning to provide facilities, prepare to develop or
3	install facilities. And they had a conversation with one
4	of our designers. And he came to me and showed me a map.
5	And it's at that time I became aware that they were
6	preparing to put facilities in what I believed to be
7	assigned territory to Xcel Energy. And so that's when we
8	sort of started this conversation.
9	Q. Have they actually installed anything?
10	A. My understanding is that they have. I've been there
11	to see the site, and there are some facilities that I
12	believe are on Xcel Energy's side of the assigned
13	territory line.
14	Q. When you say "some facilities," can you be more
15	descriptive or not?
16	A. Well, the terms are "stubbed up." They're
17	apparently underground facilities that will serve future
18	homes. So there's orange pipes sticking out of the
19	ground in each lot that would show where those wires come
20	out of the ground and are ready to be connected to a home
21	when it's constructed.
22	Q. And has Xcel also invested time and money in the
23	Whispering Woods?
24	A. Yeah. No question. Our distribution feeder that
25	goes on two sides of the Whispering Woods, we already

have red lines that serve lots in the northern part of 1 2 this Whispering Woods Development now, and they can easily be extended. And we are planning to extend them 3 4 as the houses are developed. Finally, Mr. Wilcox, what -- does Xcel have a remedy 5 0. in mind that it thinks is appropriate? 6 Well, certainly we're not interested in asking 7 Α. Southeast Co-op to pull out, to tear out their 8 facilities. I think there could be a territory trade 9 that we could come up with that would remedy this. 10 We'd let them continue serving those 12 or so lots 11 12 that they've already constructed facilities to on our side of the territory in exchange for 12 lots somewhere 13 further east on their side of the territory. I think we 14 can work that out once we determine what the baseline 15 is -- base territory line should be. 16 Or if the Commission imposed that, you would find 17 Ο. 18 that satisfactory? 19 Yes. Α. MR. KOENECKE: I have nothing further at this 20 21 time. Thank you. MR. SMITH: Mr. Peterson, cross-examination. 22 MR. PETERSON: Thank you. Good afternoon, 23 I'm not very familiar with this room, and 24 Mr. Wilcox. it's a little awkward this way. I may come over your way 25

, i

to deal with a couple of exhibits. 1 MR. SMITH: Pull the mic. in, would you please, 2 These are weird. You've got to get your mouth 3 Alan. pretty darn close. 4 MR. PETERSON: Okay. How is that? 5 MR. SMITH: That's good. 6 7 MR. PETERSON: Okay. Thanks. CROSS-EXAMINATION 8 9 BY MR. PETERSON: Q. Mr. Wilcox, I understood that you were not 10 involved in negotiations that led to your submission of 11 October 23, 2009. Did I understand that --12 13 Α. That's correct. So do you know when the negotiations began for this 14 Q. 15 territory swap? 16 Α. I do not. Do you know what back and forth negotiations 17 ο. occurred in creating this document? 18 I do not. 19 Α. All you know is that at some point you submitted 20 Q. this to the PUC? 21 2.2 That's correct. Α. And, in fact, you are the one who submitted it; 23 Q. correct? 24 25 That is correct. Α.

1	Q. And it uses the language this is an agreement
2	between and you Southeastern; correct?
3	A. That is correct.
4	Q. Apparently a new contract was reached?
5	A. This contract.
6	Q. Yes.
7	A. Yes.
8	Q. Okay. And Order EL09-021, which is Southeastern
9	Electric Exhibit 7, is the PUC Order incorporating your
10	request?
11	A. Yes. I believe that's the case.
12	Q. And the PUC in that Order that they issued
13	incorporated exactly what you asked them to; correct?
14	A. That's correct.
15	Q. Now if you turn with me to page 2 of Exhibit 10,
16	Staff Exhibit 10, do you have that in front of you, sir?
17	A. I do.
18	Q. Okay. In the introductory paragraph about in the
19	middle it specifically indicates that this language is an
20	exact replacement for provisions 104 and 105 of Exhibit B
21	to the 1976 agreement. Is that correct?
22	A. That's correct.
23	Q. And if you turn to page 4 of that same agreement,
24	that's the Exhibit B to which we're talking about.
25	A. Yes.

So on that exhibit, Exhibit B, page 4 of Staff 10, 1 0. 104 and 105 you have agreed should be replaced by the 2 language included on page 2 of Staff Exhibit 10, items 1 3 through 6. 4 5 Yes. Α. In addition to agreeing to that language, in 6 Ο. submitting that language, you submitted a map that 7 incorporates that request; correct? 8 9 Α. That's correct. And we find that on page 3 of Staff Exhibit 10? 10 0. 11 Α. Yes. So at that time you have asked the PUC to submit a 12 Ο. new territorial map that defines the difference between 13 your territory and Southeastern Electric's territory? 14  $15^{-1}$ That's correct. Α. And you highlight that in your introductory letter 16 Q. 17 by saying that the green line near the bottom of the diagram depicts the existing service territory boundary 18 line between Xcel Energy and Southeast Co-op that runs 19 between Southeastern Boulevard to the existing railroad 20 21 track to the west; correct? That's correct. 22 Α. So if we turn to page 3 of Exhibit 10, we see a 23 0. green line crossing the bottom. 24 25 Yes. Α.

	31
1	Q. Did you add that green coloring?
2	A. You know, I don't recall who prepared this map.
3	Q. Well, this map would have been prepared by someone
4	at Xcel; correct?
5	A. If it is, then I don't recall if it might have
6	been Pam Osthus, I suppose. She was the designer
7	involved, and I expect that she may have prepared this
8	map.
9	Q. And your letter confirms that this map highlights in
10	green what you then considered the existing boundary line
11	between your territories?
12	A. That's correct.
13	Q. And, in fact, it extends to the east; correct?
14	A. To Southeastern Avenue.
15	Q. And extends beyond Southeastern Avenue in green,
16	does it not?
17	A. I believe that's an inadvertent mark on this map.
18	This map only extends to Southeastern Avenue and does not
19	depict any territory east of Southeastern Avenue.
20	Q. So it's your testimony today that the map where
21	someone apparently from your Staff has extended that line
22	past Southeastern into range 7 was simply an error?
23	A. Yes.
24	Q. You were actually asked by the PUC Staff to provide
25	additional detail of that area with measurements;

1 correct? Yes. I think that's correct. 2 Α. And I'm going to show you Exhibit 3 from 3 0. Southeastern. 4 I have an enlargement of that I'll put up here, but 5 I believe you have the same thing in front of you. Do 6 you recognize southeast Exhibit 3 as a supplemental map 7 that you submitted to the PUC? 8 Α. 9 Yes. Your supplemental map also extends or identifies 10 0. 11 where the existing boundary is; correct? Α. Yes. 12 And it also extends in yellow on this map past 13 Ο. Southeastern into Section 7; correct? 14 15 Α. I don't believe so. I think it ends at Southeastern Avenue. 1.6 Well, do I see yellow extending? 17 0. Yeah. I don't think that it's intended to describe 18 Α. any territory east of Southeastern Avenue. 19 So the map shows it in two occasions, but you 20 Ο. believe it was just a mistake you made twice? 21 That's correct. 2.2 Α. If you look at the joint submission at item 5, this 23 Ο. specifies that the boundary line --24 I'm sorry. Which exhibit? 25 Α.

1 Q. I'm sorry. Exhibit 10. Staff Exhibit 10. 2 Α. Okay. 3 0. Page 2. Okay. Thank you. 4 Α. Item 5. 5 Q. Α. Okay. 6 7 Ο. Identifies the location of the boundary line as being one-half mile north of 69th Avenue; correct? 8 That's correct. 9 Α. That would be a modification of the 1976 agreement; 10 Ο. 11 correct? Would be a modification of Exhibit B of the 1976 12 Α. 13 agreement. And that's what the maps identify, isn't it? 14 Q. To the extent that they modify section -- territory 15 Α. in Section 12, I would agree. 16 Proceeding to item 6 on this same page, from that 17 Ο. identified point, one-half mile north you proceed east; 18 19 correct? 20 Α. That's correct. And you proceed to a corner. I'm going to show you 21 Q. another map, see if you can help us identify that corner. 22 Southeast Eight is an additional map. Are you 23 24 familiar with that map? 25 I have seen it, yes. Α.

1 Q. Do you have any idea where it's from? 2 When CHAIRMAN HANSON: Excuse me, Mr. Peterson. you're up to the -- would you use the mic., the second 3 mic. there, please. Thank you. 4 5 Ο. Have you had a chance to look at Exhibit 8? Excuse me. Have you had a chance to look at Exhibit 8? 6 7 Α. No. Not lately. I have seen -- I have seen this 8 map before. Okay. And does that identify the corner that is 9 0. referred to on item 6 of Staff Exhibit 10? 10 11 Α. I'm not clear where it would be, I guess, on this 12 map. 13 So you're not sure what that corner is? 0. You know, I'm not sure where that corner is, and I 14 Α. 15 guess I'd just go back to the map that we did include 16 with the '09 agreement. 17 And in my mind although we have -- I see we have agreed to amendments to Exhibit B of the 1976 contract, 18 19 we have made no amendments to the original map of the 1976 contract. 20 Well, sir, I guess that's what we'll leave up to the 21 0. 22 PUC decision. But, in fact, you not only submitted a 23 written narrative that changed the territory, but you 24 attended a specific map on two occasions that changed the 25 territory?

1 Α. I don't believe that's to the case. 2 You indicated you had been involved in the 2000 Q. 3 Docket concerning the territorial dispute? Α. Yes. 4 5 Ο. And you understand the difference between center 6 points and a measurement of one-half mile? 7 Α. I'm not a surveyor by training so I cannot say that I am 100 percent certain in my understanding of the 8 9 surveying terminology. 10 So you just submitted what you have been told to Q. 11 submit? In '09 or --12 Α. 13 Ο. In '09. In '09, yes. 14 Α. 15 With no idea what was negotiated? Q. 16 That's correct. Α. 17 And no idea of the understanding of the people that Ο. gave it to you to submit? 18 19 That's correct. Α. Are you maintaining that Mr. Chance or someone from 20 0. Southeastern tricked Xcel into signing these documents? 21 22 Α. I don't know. I know that we believe we made a We thought that the existing boundary line that 23 mistake. 24 was the subject of the '09 agreement was where we thought 25 it should be, about 600 feet south of there.

I think Pam Osthus made a mistake in her 1 understanding and, you know, both parties maybe made a 2 That's about the extent of what I might 3 mistake. think. 4 5 Well, Mr. Wilcox, you weren't involved. You don't Ο. 6 know if there was a mistake? Well, I think the company believes there's a mistake 7 Α. because this existing boundary line as it was called is 8 9 in the wrong place. I don't have anything further. 10 MR. PETERSON: MR. SMITH: Thank you. 11 12 Staff, cross-examination? MR. SOYE: Thank you. 13 14 CROSS-EXAMINATION 15BY MR. SOYE: Bear with me here, Jim. I've got a few 16 All right. 0. things that I feel like I need to clear up. 17 During your questioning by Brett Koenecke you were 18 looking at Staff's Exhibit 8, the 1976 agreement? 19 20 Yes. Α. And you had stated the maps came first. Then we 21 0. developed descriptions. And then you read off the map's 22 control paragraph all of the maps override the 23 description paragraph on page 2. And then you explained 24 25 the sort of equidistant of a fractional section.

Could you again look at that 1976 agreement or Staff 1 Exhibit 8 and turn to the second to the last page? And 2 when you were referring to Staff's Exhibit 1 you 3 explained that you viewed a line --4 Excuse me right now. Are you back in Exhibit B 5 Α. then? 6 7 Ο. Yes. Sorry. Exhibit B, page 7. Α. Page 7. 8 And this is what contains the legal description for 9 0. Section 7 through 12? 10 11 Α. Yes. And when you were viewing Staff's Exhibit 1 you said 12 Ο. you viewed the line as a equidistant between the northern 13 and southern border of the fractional section? 14 15 Α. Yes. Now when you read 104 and 105 do you read then north 16 Ο. one-quarter mile to the center point of Section 12, Range 17 50, T 100 North, then east along the half-mile line to 18 the center point of Section 7? 19 20 Α. Yes. 21 So on and so forth. Ο. 22 Α. Uh-huh. So actually I just want to be clear then. In this 23 Ο. case unlike the 2000 Docket, the legal description here 24 on the map are not actually in direct conflict. Would 25

1 you agree with that?

2 When you're referring to a center point of a 3 fractional section, these would actually match up 4 here.

5 A. No. Again, I'm not a surveyor so I don't know the 6 terminology of surveying. And I'm not clear that the 7 center point in surveying terminology is exactly the 8 center point of a section in a fractional section.

9 I've talked to surveyors and I understand that there 10 might be a difference. But I can't explain it any 11 further than that.

Q. Okay. From your understanding would you find the
center point to be the dead center of a section?
A. Well, that seems to make sense, yes.

15 0. But there may be a difference on the --

16 A. That's correct.

17 Q. But in the 2000 Docket it was also determined that 18 this description was not necessarily written by a 19 surveyor. Do you remember that?

20 A. I don't. But it's reasonable.

21 Q. Okay. I want to just review a little bit of the 22 Staff's Exhibit 10, the 2009 agreement.

23 A. Okay.

Q. And you said you did not have any part in this -negotiating this agreement other than attaching a cover

1 letter and submitting it to the Commission. 2 What were you given? Were you given all the documents included here except for the cover letter? 3 That's correct. 4 Α. 5 Ο. And do you remember who gave them to you? Pam Osthus. 6 Α. 7 Pam Osthus? 0. A designer in our office. 8 Α. 9 0. And when she gave them to you did she tell you anything about it? 10 11 I think we had a conversation. Certainly, I can't Α. recall the extent of that. Other than I have this 12 13 recollection of asking her about the map on page 3 and 14 asking her about this existing boundary line. And I was -- I oversaw -- I made this mistake then. 15 16 I had a conversation with her, and I asked her is this 17 line in the right place? I mean, I think that's exactly what I phrased it. And she said yes, it is. 18 And so that's when I -- I thought we had sort of 19 20 settled this issue in the 2000 Docket so that we wouldn't 21 have this issue again. And I'm not even sure -- well --22 to answer --23 So you had a discussion with Pam Osthus? Ο. 24 Α. Yes. 25 So you had some particulars? 0.

40 Α. 1 Yes. 2 Q. And you questioned the existing boundary line and, as Section 12 and Section 7 had never been modified until 3 2009, that line is supposed to correspond to the 1976 4 5 map? 6 Α. Correct. 7 Q. And I have to bring up something that you talked about earlier. You said two different comments. At one 8 9 point you said Xcel put this together and the green line, you believe, just as you've stated, was in the wrong 10 position. And then you've also stated that you also 11 12 think it was mistake that the green line was extended 13 into Section 7? Is it both or one? Because that I feel that the 14 15 inappropriate placement of the line and whether or not the line should extend into Section 7 are two different 16 17 things. I would agree they're two different things, 18 Α. Yeah. 19 certainly. 20 Okay. And you agree that both of those were a Q. mistake? 21 22 Α. I do. And from the map on Staff Exhibit 10, so 23 Ο. Okay. 24 page 3, when you look at that map -- and I'm just comparing it to the exhibit offered by Southeastern which 25

looks like it was made as a copy, just as this one does. 1 But when you look at Staff's exhibit, that existing 2 boundary line, does that look yellow? 3 We're talking about this? 4 Α. 5 Q. Yes. Well, my copy it looks more green than yellow. 6 Yes. Α. Okay. So if it's green it's only meant to signify 7 0. the existing boundary line and not the -- well; let's see 8 what your cover letter says. The modified territory? 9 Oh, here it is. The overlay of the new territory. Ιs 10 11 that correct? The yellow line? 12 Α. 13 Yeah. 0. It is intended to describe the agreement that we had 14Α. to adjust lots to accommodate so the line didn't cut 15 across any lots. 16 So the new territory is signified by -- yeah. So 17 0. the new territory was signified by the yellow line, and 18 the existing boundary was the green line? 19That's correct. 20 Α. When you were being questioned by Mr. Koenecke you 21 Ο. said that you believe the existing boundary line that is 22 shown on the same map I was just referring to should have 23 been about 600 feet to the south. 24 Yeah. I believe that's the case. 25 Ά.

If you moved this line 600 feet to the south, then 1 Q. 2 the area that you traded, Southeastern actually belonged to you in the first place. 3 That's correct. Α. Yes. 4 MR. SOYE: No further questions. 5 MR. SMITH: Thank you. Mr. Koenecke, redirect? 6 Nothing, Mr. Smith. Thank you. 7 MR. KOENECKE: MR. SMITH: Thank you. With that then, we'll go 8 to Commissioner questions of Mr. Wilcox. 9 10 Chairman Hanson. 11 CHAIRMAN HANSON: Thank you, Mr. Smith. 12 Mr. Wilcox, in some of the questions that were asked of you you stated that Xcel Staff told you, and it was 13 14 Pam Osthus that you were having the conversation with and 15 she stated the line was in the right place. 16 THE WITNESS: Yes. 17 CHAIRMAN HANSON: Can you direct me to the 18 exhibit you're referring to? THE WITNESS: Yes. Go to Staff Exhibit 10. 19 CHAIRMAN HANSON: 20 Okay. THE WITNESS: On the third page is a map. 21 22 CHAIRMAN HANSON: Right. Has yellow and green lines. 23 THE WITNESS: And the green line is labeled existing boundary line. And I 24 believe Pam thought that line was 600 feet south of where 25

1 it actually is. And I relied on that when she gave me 2 that information. CHAIRMAN HANSON: And that is -- and she was in 3 the negotiations or privy to the information that 4 5 transpired in the negotiations with Southeastern; is that 6 correct? 7 THE WITNESS: That's correct. 8 CHAIRMAN HANSON: Did Xcel prepare the -- I know that -- whose exhibits they are, but did Xcel prepare the 9 10 maps that show where these lines are? 11 THE WITNESS: I believe so, yes. That is Xcel Energy facility's map there is a base map. So I believe 12 13 that it's a map that we prepared, yes. 14 CHAIRMAN HANSON: All right. Thank you. Thank you, Mr. Smith. 15 16 MR. SMITH: Other Commissioner questions? 17 Commissioner Nelson? COMMISSIONER NELSON: No questions. 18 19 MR. SMITH: Commissioner Fiegen? 20 COMMISSIONER FIEGEN: No questions. 21 MR. SMITH: I'm assuming not, but are there any 22 follow-on questions by any of the attorneys to Commissioner Hanson's questions? 23 MR. PETERSON: 24 No. 25 MR. SOYE: No.

1 MR. KOENECKE: No. MR. SMITH: Thank you. I think, Mr. Wilcox, you 2 can step down. 3 We're going to give the reporter a quick break. 4 We'll take a breather here. What do you say 10 minutes? 5 6 Is that adequate? CHAIRMAN HANSON: I'd like to say 15. 7 MR. SMITH: 2:11 so --8 CHAIRMAN HANSON: 25 after. 9 MR. SMITH: Okay. 25 after we'll reconvene. 10 Thank you, everybody. 11 12 (A short recess is taken) MR. SMITH: We're going to reconvene the hearing 13 14 following a short recess. Mr. Peterson, you may begin with your direct 15 16 case. MR. PETERSON: Thank you. Call Tim Chance. 17 MR. KOENECKE: Mr. Smith, I don't think I've 18 rested yet. Mr. Peterson --19 MR. SMITH: Pardon me. 20 MR. KOENECKE: Mr. Peterson was not going to 21 call Mr. Schardin, the manager, so I thought I would. 22 I apologize. I misunderstood. I 23 MR. SMITH: thought that was all you were going to have, 24 Mr. Koenecke. 25

MR. KOENECKE: And I thought so until about 1 2 three minutes ago. With that, please proceed with your 3 MR. SMITH: case in chief. 4 5 MR. KOENECKE: Thanks. I'll call Mr. Schardin from the Co-op then. 6 7 (The witness is sworn by the court reporter) 8 DIRECT EXAMINATION 9 BY MR. KOENECKE: Good afternoon, Mr. Schardin. My name is 10 Ο. 11 Brett Koenecke. I'm a lawyer with Xcel. I apologize. 12 We haven't met before today. I didn't realize you 13 weren't going to be called as a witness so I've got just a couple of questions for you. 14 15 No. That's fine. Α. First off, would you state your name and business 16 Ο. 17 address for the record. Yes. Brad Schardin, general manager at Southeastern 18 Α. 19 Electric Cooperative. I don't know our street address. 20 501 South Broadway, Marion, South Dakota. Oh, thank you. And just if you would tell the 21 Q. Commission briefly what your education and business 22 23 background is. Yes. I have a business degree from Black Hills 24 Α. State and have worked for the electric cooperatives for 25

1	28 years now.
2	Q. And how long have you been employed by Southeast?
3	A. I began working for Turner Hutchinson Electric in
4	1990, and we merged Lincoln Union Turner Hutchinson in
5	together, consolidated in 2000, and McCook Electric in
6	2006. So since 1990.
7	Q. And how long have you been the general manager?
8	A. The whole time. Since 1990, yeah.
9	Q. Very good. Thanks. Is it your signature that I see
10	then on page 26 Staff Exhibit 10?
11	A, Yes. That is correct.
12	Q. And did you review the information contained on that
13	sheet before you signed the document?
14	A, Yes. Tim had been visiting with me from I would say
15	2007 through until about 2009 on the discussions with the
16	Xcel Energy, which you guys have already identified those
17	employees.
18	Q. Thank you. Turning the page then to Exhibit A?
19	A. Yes.
20	Q. Is it your position that the green line entitled
21	existing boundary line is correct?
22	A. Yes. That would be correct.
23	Q. And so that was your understanding when you signed?
24	A. Based on the territorial discussions and the swap
25	area that Tim had with Pam Osthus and Rollie Heidebrink,

1	yes.
2	Q. Had Southeast constructed facilities south of or
3	below the yellow line on Exhibit A? It would be page 3.
4	A. We have facilities in the proposed area, I believe.
5	Q. Did you have
6	A. The trade area.
7	Q. Okay. Thank you. Did you have them there at the
8	time?
9	A. I gúess I couldn't answer that for you. I do not
10	believe we did because that was a water retainage area
11	that we traded at that point in time, and I don't think
12	it came until maybe shortly thereafter. But I believe
13	Mr. Chance could probably answer that one for you. He's
14	the operations manager.
15	Q. I will ask him that. You did not prepare the second
16	page of Exhibit 10?
17	A. You're saying Exhibit A or
18	Q. No. The second page of Exhibit 10, the joint
19	request for service territory boundary change.
20	A. No. I think that was a discussion with operations
21	manager Chance and the Xcel Energy employees that were
22	identified.
23	MR. KOENECKE: That's all I have then. Thank
24	you.
25	THE WITNESS: You're welcome.
L	

MR. SMITH: Any questions from Mr. Peterson? MR. PETERSON: I have no questions. MR. SMITH: Staff. MR. SOYE: Thank you, just one. MR. SMITH: Mic.
MR. SMITH: Staff. MR. SOYE: Thank you, just one.
MR. SOYE: Thank you, just one.
MR. SMITH: Mic.
MR. SOYE: Just one.
CROSS-EXAMINATION
BY MR. SOYE:
Q. Mr. Koenecke asked you if you thought the green line
was correct on that map, Exhibit A. Sorry. Exhibit A of
Exhibit 10, I guess it would be, but the map included on
the 2009 agreement.
A. Yep. Exhibit A. Yep.
Q. And since it is listed as existing boundary line,
you would agree that that is meant to correspond to the
1976 map?
A. I guess I relied on Tim and his discussions with
them to bring that to me and $$
Q. Okay.
A. And sign the document and sent it on to Mr. Wilcox.
Q. Okay. So at that point it was everyone who was
negotiating, it was everyone's understanding that the
1976 map that you were involved with?
A. Yeah. I have no reason to believe that it was
anything different than that.

N S

MR. SOYE: Okay. Thank you. 1 MR. SMITH: Any Commissioner questions of 2 З Mr. Schardin? Seeing none, any follow-on, Mr. Koenecke? 4 MR. KOENECKE: No, Mr. Smith. 5 Thank you. You may step down then, 6 MR. SMITH: 7 Brad. THE WITNESS: Thank you. 8 9 MR. SMITH: Does that conclude your case in chief, Mr. Koenecke? 10 It does. 11 MR. KOENECKE: MR. SMITH: Okay. Thank you. 12 Now, 13 Mr. Peterson. Thank you. 14 MR. PETERSON: 15 MR. SMITH: Begin your direct testimony. MR. PETERSON: Call Tim Chance. Thank you. 16 17 (The witness is sworn by the court reporter) 18 DIRECT EXAMINATION 19 BY MR. PETERSON: 20 Would you please state your name and business 0. 21 address. 22 Tim Chance. I work out of the Alcester office, Α. which is 605 South Dakota Highway 11, Alcester. 23 24 Q. And for whom do you work? 25 Southeastern Electric Cooperative. Α.

What is your position with the cooperative? 1 Q. I am the operations manager. 2 Α. And what does that mean? 3 Ο. I handle all the maintenance and construction duties Α. 4 5 for the lines serving the members. How long have you had that position? 6 Ο. 7 Α. Since 1995. What did you do prior to 1995? 8 0. 9 I started as temporary help, and then I went through Α. a apprenticeship program to become a journeyman lineman. 10 And then I went to being a foreman. After being a 11 foreman in '92 I become a assistant operations manager, 12 and then in '95 I was operations manager. 13 14 And what is your educational background? Ο. Graduated high school, one year of vo-tech, the 15 Α. 16 apprenticeship training program for four years through Lincoln Union at the time. 17 In front of you is a Southeast Exhibit 1 on 18 0. Okay. 19 the easel. Do you recognize that map? 20 Α. Yes, I do. Just for general orientation could you identify 21 Q. there where the area in question is and point out some of 22 the other relative areas of Sioux Falls so that we have a 23 general orientation of what we're talking about here? 24 Okay. Well, I guess on this map here it's just a 25 Α.

1	general map of the area, showing the Interstate 29 and
2	229 coming up through here. These are the townships that
3	are in question and question the question is 12 and 7
4	here is the two sections that are in question.
5	Q. And just for reference, where is Harrisburg?
6	A. Harrisburg is just due south here.
7	Q. And could you identify the major streets that are
8	the boundaries of the area that we're talking about and
9	trace them with your finger just so we all are oriented?
10	A. Okay. This would be 57th Street. This here is
11	69th. This would be 85th. And so this here would be
12	Southeastern (indicating).
13	Q. Okay. So the area we're talking is really on the
14	very southeastern edge of Sioux Falls development at this
15	point?
16	A. Yes.
17	Q. Okay. Go ahead and take a seat again. Did you have
18	some involvement in the land or territory swap between
19	Xcel and Southeastern Electric that occurred in the late
20	2000s?
21	A. Yes.
22	Q. What was your involvement?
23	A. In the exchange of the 2007?
24	Q. Yeah. How did this all come up, and what did you
25	have to do with it?

I was contacted by Pam Osthus, and she was designing 1 Α. 2 some area in the Oxford Estates. And she asked me that there is a road there that we didn't have facilities 3 really close by. And she asked if we would want to trade 4 5 that area because it would be very easy for them to serve and difficult for us to get our facilities in. And so I 6 7 talked to Brad, and we decided that was a good thing for Southeastern to make that trade. 8 9 Q. Okay. And who is it that you actually negotiated with? 10 I talked to Pam and I also talked to Rollie 11 Α. Heidebrink. I went to his office, and this is where we 12 13 came up with the plan. Give me an idea of the tenor of your discussion. 14 Ο. 15 What was it that you discussed? We discussed where the existing boundary line is and 16 Α. 17 the changes to be made and where it's going to end up to. 18 Did you discuss the maps that we've been looking at Q. 19 here today? 20 Α. Yes. 21 Can you tell me which map forms the most accurate 0. 22 basis of what you guys looked at to talk about this 23 switch? Well, the map that was presented to me -- you know, 24 Α. that Xcel did. And then that GSA map that we have here. 25

1	Q. And just for reference, are we referring to
2	Exhibit 8? I'll be glad to pull that up.
3	Do you have Exhibit 8 there before you?
4	A. Yes.
5	Q. Is that the map you're referring to?
6	A. Yes.
7	Q. And then also Exhibit Xcel 3? Is that a map you had
8	at that time?
9	A. No.
10	Q. What is the other map to which you made a reference?
11	A. It would be that the bigger map of this one here,
12	of the Oxford Estates and
13	Q. This one?
14	A. Well, something like that or the bigger one.
15	MR. SMITH: I think he's talking Exhibit 4 or
16	Exhibit A of the agreement.
17	Q. Exhibit 4, Tim?
18	A. Yes. Yes.
19	Q. Okay. As a part of your discussion did you discuss
20	item 6 of the joint proposal which talks about extending
21	east one-half mile to the northeast corner of the
22	southwest quarter of Section 7 of Township 100 North,
23	Range 49 West?
24	A. Yes, we did.
25	Q. That was a specific part of your discussion?

ì

1 Α. Yes. 2 Tell me what you recall about the discussion of that Q. particular item. 3 Basically you go through the description, and the 4 Α. description it tells you what the map is saying. You go 5 a fourth of a mile north and then, you know, to the 6 7 half-mile line to the east. So we followed that 8 description. And it goes right to the center of section -- Section 12, I think. 9 10 And does map 8 identify where the center is that 0. 1.1 you're talking about? Yes, it does. 12 Α. 13 I'm going to hand you a red marker and ask if you 0. could step to the enlargement of Exhibit 8 and identify 14 15 what you're referring to. Well, it's this point right here. It says center of 16 Α. 17 (indicating). And is there any language on that map that makes a 18 Ο. 19 reference to that? Yes. It says "center of." 20 Α. 21 Q. Were you confused of what that language meant? 22 Α. No, I was not. Do you have any reason to believe that Pam or Rollie 23 0. 24 were confused about that discussion? 25 No, they were not. Α.

1	Q. Why do you say that?
2	A. Because we put the agreement together.
3	Q. Pardon?
4	A. Because the agreement was put together because of
5	that discussion.
6	Q. Well, what was the discussion?
7	A. That it would be to that center point on that No. 6
8	that you discussed with me.
9	Q. Well, then let me drop back to No. 5 of your joint
10	agreement. Did you discuss the meaning of the point that
11	is one-half mile north of 69th Avenue?
12	A. Yes, we did.
13	Q. Tell me what you recall about that discussion.
14	A. That was why we decided was the existing boundary
15	line, and that's where that half-mile line is where we're
16	making our changes in the Oxford Estates so that that was
17	that existing line that's shown on that map.
18	Q. Do you have any reason to believe that Rollie
19	Heidebrink and I'll spell that as long as I've got it
20	here in front of me H-E-I-D-E-B-R-I-N-K, was confused
21	about what item 5 made reference to?
22	A. No.
23	Q. Do you think he was mistaken?
24	A. No.
25	Q. Were you mistaken?

1 Α. No. 2 Do you have any reason to believe that Q. Mr. Heidebrink was confused about what item 6 means? 3 Α. No. 4 5 Can you take that Magic Marker and draw what No. 6 Ο. represents on that exhibit, Exhibit 8? 6 Exhibit 8 it shows quarter lines. So on the quarter 7 Α. lines is where they join together. It says quarter line, 8 quarter line. So there's four quarters in a section so 9 that's what they call in a surveying thing that there's 10 11 four quarter lines are these quarter lines. And it's the center of that point. 12 And I asked if you could draw the line that would 13 Q. cross item 7 there. 14 15 Α. Right in that point (indicating). 16 And then draw the point that item 5 refers to, the Q. half-mile north of 69th Avenue. 17 18 (Witness complies) 19 Is that your understanding of what the agreement Q. 20 established as the relative territories pursuant to this 21 agreement? 22 Α. Yes. 23 Ο. Whose map is Exhibit 8? It's JSA. It's a surveying group from Sioux Falls. 24 Α. 25 Where did you get it? Q.

1 Α. I don't know. Okay. But this is the map that you used with Rollie 2 Q. to discuss this proposal? 3 Α. Yes. 4 Please go ahead and take the seat. I'm sorry. I'm 5 0. going to ask you to step back up and take a look at the 6 exhibit behind -- take down Exhibit 8 and take up the 7 next one. 8 This one here? 9 Α. The one that's on the easel right now. 10 Ο. No. 11 Okay. Α. Okay. What is your understanding of what that map 12 0. 13 is? That's Xcel's lines designed onto the map. 14 Α. And I'm not going to ask you to write on their 15 0. exhibit, but I have a duplicate of that one. Can you 16 identify on there with a Magic Marker the same red line 17 that you just identified on Exhibit 8? 18 It would be right here (indicating). 19 Α. Then I'm going to ask you to pick up the one with 20 Ο. the pink. Exhibit 6. Southeastern 6. 21 Southeastern 6. 22 Α. Tim, the one that looks like this. 23 Q. 24 Α. Okay. Could you tell the Commissioners what this map is? 25 Q.

1	A. This is a map of that same area, of Whispering
2	Woods, and it's showing our facilities in Whispering
3	Woods.
4	Q. I'm going to give you a blue marker and ask if you
5	would impose the same line that you just imposed on the
6	last two maps.
7	(Witness complies)
8	Q. And then on that map there's a series of black
9	dotted lines. Could you tell the Commissioners what
10	those black dotted lines represent?
11	A. That represents our main line, three-phase, going in
12	there and also the distribution lines that we were going
13	to use are using for to feed this area.
14	Q. Okay. Then I'd ask you to go ahead and take a seat
15	again.
16	Following the entry of the PUC Order in 2009
17	establishing this territorial line as you understand it,
18	did Southeastern Energy install any infrastructure?
19	A. Yes.
20	Q. And you were just describing it on that map;
21	correct?
22	A. Yes.
23	Q. Tell the Commission what it is that Southeast Energy
24	did in reliance on this division.
25	A. We had a request for a service. And so in order to

put the service in we needed to extend our lines through 1 this area to hook up that service. 2 And have you completed that? 3 Q. Α. Yes. 4 When did you first hear that Mr. Wilcox thought a 5 Ο. mistake was made in terms of this territorial division? 6 7 August 29. Α. On August 29 what was the status of Southeastern 8 Ο. Electric's infrastructure that had been installed? 9 It was pretty much installed. September 2 is when 10 Α. we hooked up that service. So it was pretty much all in 11 12 except for hooking up the service was on September 2. Q. Do you have an estimate of the cost that 13 Southeastern Electric has incurred in reliance on the 1415 territorial Order of 2009? Yes. It's not completely closed out, but the costs 16 Α. 17 that will be due involved right now is over 95,000. 18 Q. \$95,000? 19 Α. Yes. 20 MR. PETERSON: I don't believe I have any other 21 questions at this time. 22 Thank you. MR. SMITH: 23 Mr. Koenecke. MR. KOENECKE: Thanks, Mr. Smith. 24 25

	60
1	CROSS-EXAMINATION
2	BY MR. KOENECKE:
3	Q. Good afternoon, sir. My name is Brett Koenecke.
4	I'm a lawyer from Xcel Energy. I've got a few questions
5	for you.
6	Turning back to the JSA exhibit, if I can direct
7	your attention to that, I'm looking for a description on
8	there of I'm looking for the southwest quarter of
9	Section 7. Is that listed on there anywhere?
10	A. I guess I don't see it exactly.
11	Q. I don't either. And that's why I'm asking.
12	A. I think on the very right hand by the street I
13	think they're showing a southeast one-fourth there like
14	in small letters. I can't read it very well there. East
15	Buckingham Street and there. I think it's going to
16	maybe it says one-fourth center.
17	Q. I'm not sure that's what that says.
18	A. Up on the top side on 57th I think it says the
19	northwest corner.
20	Q. Right. I see that.
21	A. And then the northeast corner is over there. It's
22	not showing on the bottom side of these so it's
23	Q. I'm sorry. I don't want to interrupt you.
24	A. Okay.
25	Q. Do you see where it says Whispering Woods Addition

1	in bold?
2	A. Yes.
3	Q. And do you see below that and to the right it says
4	north half of Government Lot 7?
5	A. No. I don't see it exactly.
6	Q. Well, if you go just below East Treetop Street and
7	along Bahnson Avenue right overlaid there doesn't it say
8	north half of Government Lot 7?
9	A. Okay. Government Lot 4 and Government Lot 3? Is
10	that what you're saying?
11	Q. That's different. I also see that on there.
12	A. Okay. The bottom part says one half of Government
13	Lot 7. I see it now.
14	Q. If you go down there towards the bottom, does it say
15	south half of Government Lot 7?
16	A. Yes.
17	Q. And also then if you go over to the left-hand side
18	along Southeastern, it says does it say Government
19	Lot 5 and then Government Lot 6 down towards the bottom?
20	A. It says unplatted, and it says Government Lot 6,
21	yes.
22	Q. I don't see any on there where it says southwest
23	quarter of Section 7. And so I just want to go over that
24	one more time. In going over the map did you see
25	anywhere elsewhere it might say southwest quarter of

1	Section 7?
2	A. I don't see it saying exactly that.
3	Q. Likewise, though, however on the right-hand side it
4	does seem to indicate if I'm looking at this correct,
5	Block 23 it says northwest quarter of the southeast
6	quarter.
7	A. Under Block 23 it says north one-fourth of the
8	southeast one-fourth.
9	So you're talking about that section or that little
10	square there. That's just part of the quarter?
11	Q. Uh-huh. I don't see where there is any southwest
12	quarter of that section, though. It's Government lots
13	instead, isn't it?
14	A. It does say Government lots, yeah.
15	Q. So there's no way then on line 6 of page 26
16	Exhibit 10 we'll go to Staff's Exhibit 10, line 6.
17	There's no way that it could be correct then that it says
18	to the northeast corner of the southwest quarter of
19	Section 7. That doesn't exist.
20	A. No. That does exist.
21	Q. Where is it at on your surveyor map?
22	A. Well, I it's a term that you use as for even
23	easements, plotting ground. These Government lots, if
24	you would look at the description that's put in the
25	Lincoln County would be Government Lot number is it

Government Lot No. 3 or you said Government Lot 7 in the 1 south -- you know, in the northeast one-fourth of the 2 southeast one-fourth. That would be the description that 3 you would read plotted in at, you know, Lincoln County. 4 5 It might not be written on here, but it would be plotted in the County's. If you had to get an easement, 6 you would have to use that terminology to get that 7 easement. 8 I'm going to ask to take your attention to Staff 9 Q. Exhibit No. 1, which is -- I'll hold it up for you so you 10 11 can look at what I've got. This here? 12 Α. 13 Yep. That's it. Q. 14 Okay. Α. 15 Have you seen that before? Q. 16 Yes, I have. Α. 17 When did you see it first? Do you remember? 0. 18 Oh, I don't remember. Α. Do you remember if you and anybody from Xcel used 19 0. 20 that to develop the agreement? 21 Not -- not for sure. Α. Is it more likely that you saw it for the first time 22 Ο. 23 during preparation for this hearing? 24 Α. No. Do you have any idea when you saw it for the first 25 Q.

1	tim	e?
2	Α.	Oh, I I would say it's 2007.
3	Q.	Did you, in fact, use this in your work on the joint
4	req	uest for service territory exchange?
5	А.	No. Not that I remember.
6	Q.	Do you know if anybody from Xcel consulted this?
7	Α.	I don't know.
8	Q.	I'll ask to draw your attention to page 3 of
9	Exh	ibit 10. That's this one.
10	Α.	This one right here?
11	Q.	I believe so. Yep.
12	Α.	Okay.
13	Q.	And you see where it says existing boundary line?
14	Α.	Yes.
15	Q.	Did you verify the existing boundary line?
16	Α.	What do you mean?
17	Q.	Have you checked whether the existing boundary line
18	was	drawn in the correct place?
19	A.	Yes.
20	Q.	When was that?
21	Α.	2007.
22	Q.	Why do you believe that's in the correct place?
23	A.	Because of the description.
24	Q.	Did you check any maps in order to verify that?
25	Α.	Yes. The maps that I we discussed there.

e di Nasi

1	Q. Which maps would those be?
2	A. The two maps of the this one here and the bigger
3	one of this one.
4	Q. Can you read out the exhibit numbers on those for
5	the record, please.
6	A. Exhibit 8. And this one says 3, but it's the bigger
7	one so it would be the page 3. It would be this one here
8	(indicating).
9	Q. Did you consult the official PUC territory maps to
10	verify the existing boundary line in Exhibit A of the
11	2009 agreement?
12	A. I would say yes, we did.
13	Q. And how did you go about doing that?
14	A. Any time we have a dispute you have to look at that,
15	and then you have to look at the description so you know
16	how to read the map according to the description.
17	Q. If the map shows a line that's equidistant between
18	69th and 57th and the agreement says it's a half-mile
19	north of the 69th, which is correct?
20	A. It's the half-mile north of 69th.
21	Q. And why do you say that?
22	A. Because that's what the description says.
23	Q. So the map doesn't control?
24	A. The map only controls when there is the map is
25	just the map. The description is what tells you what the

1	map reads.
2	Q. And if the PUC had determined in 2000 that
3	equidistant meant halfway between, does that control?
4	A. In 2000?
5	Q. Yes.
6	A. In 2000 that's what they agreed upon.
7	Q. That controls or doesn't control?
8	A. In 2000 it's what they decided that controlled.
9	Q. Okay. Have you talked ever to a person from Xcel
10	named Aaron Bickett?
11	A. Yes.
12	Q. And did he speak with you about the territory line
13	Whispering Woods Addition?
14	A. Yes.
15	Q. Do you remember when that conversation might have
16	been?
17	A. It started in June.
18	Q. And would he have informed you at that time that
19	there was a dispute over the boundary line in Whispering
20	Woods?
21	A. No. He said that he had some lines, and the
22	question was if we served those lots on that side and if
23	we had a map of what we served. And the so I sent him a
24	map of what we would serve.
25	Q. And he never informed you that there was a dispute

or a potential dispute? 1 2 No. Not a potential dispute. He just -- he Α. questioned why we had that line there. 3 Did you take any action other than to provide him 4 Ο. the maps that he asked for? 5 Yeah. I provided the maps, and then he also asked 6 Α. 7 for the agreement that we did in 2009, and I provided him that. 8 And all that happened in June of this year? 9 Q. 10 Α. No. It started in June, and it carried on until August 29. 11 Okay. Very good. Thank you. 12 Q. MR. SMITH: Are you finished? 13 14 MR. KOENECKE: Yes. 15 MR. SMITH: Staff. 16 MR. SOYE: Thank you. 17 CROSS-EXAMINATION 18 BY MR. SOYE: Mr. Chance, looking at the Southeastern Exhibit 19 0. 20 No. 8. 21 Α. Okay. 22 This document here you were just talking about? 0. 23 Α. Yes. You had went through and described the four quarter 24 Ο. lines there and that this was prepared by JSA who is a 25

registered professional engineer and land surveyor. 1 In this map for these fractional sections they will 2 not create four equal parts; correct? 3 No, they won't. 4 Α. So they correct it for the fractional sections? 5 Ο. Yes. 6 Ά. Okay. And you stated that at the time you created 7 0. this agreement you were not aware of the 2000 Commission 8 Order that Mr. Koenecke was just referring to; is that 9 correct? 10 I was aware of the 2000 Order, yes. 11 Α. When this was made. 12 Q. When this map was made? 13 Α. I'm sorry. When you made the 2009 agreement. 14 Yeah. Q. 15 The 2009 agreement? Α. Let me clarify that. When you were involved 16 Ο. Yeah. in discussing the 2009 territory swap were you aware of 17 the Commission's Order, EL00-026, concerning the 18 equidistant between the north and south borders of a 1.9 fractional section? 20 According to that agreement in that 2009, in that 21 Α. fractional section that was discussed, that was the 22 decision of them at that time, that that fractional 23 section should be divided equally. 24 MR. SOYE: No further questions. 25

MR. SMITH: Thank you. Redirect? 1 No redirect. 2 MR. PETERSON: MR. SMITH: Commissioner questions of 3 Mr. Chance. 4 Commissioner Nelson. 5 COMMISSIONER NELSON: In Staff Exhibit 10 where 6 7 we have the description of the 2009 change the initial paragraph indicates that this is an agreement that deals 8 9 with the Oxford Addition. Would you agree with that? 10 11 THE WITNESS: Yes. Now going to 12 COMMISSIONER NELSON: 13 Southeastern's Exhibit 8, the GSA map -- or JSA map, is it your testimony that as you were discussing with the 14 Xcel representatives the swap of land for the Oxford 15Addition that you were also looking at this particular 16 17 map of the Whispering Woods Addition? Is that correct? 18 THE WITNESS: Yes. What is the origin of this COMMISSIONER NELSON: 19 20 map? Is this something that you provided or that Xcel 21 provided? THE WITNESS: I believe we both had the map, and 22 I don't know where we received that map. I can't tell 23 you where I got the map. It's 2006 that we got it. And 24 more or less this is what we used. 25

So when we were changing the boundary line and 1 2 the boundary line of the two 105 and I think it's 104, that changes that whole line. So we had to establish 3 that whole line across there. 4 COMMISSIONER NELSON: 5 So it's your testimony 6 that you were in 2009 changing the whole line across there? 7 THE WITNESS: Yes. Because it's two parts. 105 8 and 104 I believe it is. So when you change that 9 10 description, that whole description of that whole line 11 was changed. 12 COMMISSIONER NELSON: Thank you. No further 13 questions. MR. SMITH: Other Commissioner questions? 14Commissioner Hanson. Chairman Hanson. 15 16 CHAIRMAN HANSON: Mr. Chance, good afternoon. 17 What does center point mean to you? THE WITNESS: In a term that is for a surveyor 18 19 term it's where they become, you know -- the 20 cross-sections of the corners of the quarter sections, 21 and that forms the center point. CHAIRMAN HANSON: So would section center point 22 23 have a different meaning to you? 24 THE WITNESS: Section center point? 25 CHAIRMAN HANSON: If someone said this is the

center point of the section? 1 I went by JSA, they're the 2 THE WITNESS: No. surveyor's group, and they said that was the center of. 3 4 The last map that I put up there that has our lines on it, that was a map that was given to us by the developer, 5 and the developer there says also the center of that 6 And that is the center point of that section for 7 point. my -- what I say or what I see and read from them. 8 9 CHAIRMAN HANSON: Thank you. Thank you, 10 Mr. Chairman. Excuse me. General Counsel. MR. SMITH: Other Commissioner guestions? 11 12 Mr. Peterson, is there any follow on from the Commissioner questions? 13 MR. PETERSON: No. No other follow on. 14MR. SMITH: Okay. With that, I think you may 15 step down then, Mr. Chance. 16 Mr. Peterson, do you have any other witnesses? 17 No. We'd rest. MR. PETERSON: 18 MR. SMITH: Staff, are you ready to go? 19 MR. SOYE: Yeah. I think we're ready. 20 Do you need a minute or two to get 21 MR. SMITH: 22 organized there? Okay. You can proceed then with your direct 23 evidence then, please, Staff. 24 25 MR. SOYE: Commission Staff would call

Ross Pedersen to the stand. 1 (The witness is sworn by the court reporter) 2 3 DIRECT EXAMINATION BY MR. SOYE: 4 Mr. Pedersen, can you state your name and spell it 5 Ο. for the court reporter, please. 6 Ross Pedersen, R-O-S-S P-E-D-E-R-S-E-N. 7 Ά. And, Mr. Pedersen, can you please state your current 8 Q. occupation and how long you've been working there? 9 I'm currently an analyst at the Public Utilities 10 Α. Commission, and I've been there just over 14 months. 11 In your role as Staff analyst for the Public 12 Ο. Utilities Commission, do you work with the Commission's 13 Geographical Information Systems software or GIS system? 14 15 Yes. I use a software known as ARC map. Α. And what is your general duties in relation to that 16 0. 17 GIS software system? I utilize it to create maps and update service 1.8 Α. territories throughout the state for electric service 19 territories. 20 There should be a copy of what's marked Staff's 21 Q. 22 Exhibits 1 through 7 up there, the maps that we've been referring to. And I just wanted to go through these for 23 everyone so they can understand what you've done with 24 25 these maps, why you've created it.

1 And just to make this flow easily, why don't I just 2 call off the name of the exhibit, so Staff Exhibit 1, and I'll ask you what it is and what it's showing. 3 4 Does that make sense? 5 Α. Yes. 6 Okay. So why don't we turn to Staff's Exhibit 1. Q. 7 And what is this showing? 8 Staff Exhibit 1 is a zoomed in view of the original Α. 1976 map in Lincoln County, specifically the disputed 9 10 areas Sections 7 and 12. And why did you include this map? 11 Ο. 12 I included this map to ensure that the maps I Α. 13 created accurately reflected the disputed area. 14 Let's move to Staff Exhibit 2 then. What is this Ο. 15 map? This map is an electric service territory boundary 16 Α. 17 according to the 1976 agreement map prior to EL09-021. 18 It is a recreation of Exhibit 1 and the ARC map GIS 19 program. 20 And why did you include this? Ο. So that you could see the same view in the program I 21 Α. 22 work on. 23 Okay. So just so how it appears, how map one Ο. appears in the overlay system is what you're saying? 24 25 Α. Yes.

1	Q. Okay. And Staff Exhibit 3, please. And what is
2	this?
3	A. This is Staff's understanding of what Xcel's
4	interpretation of the electric service territory boundary
5	is post EL09-021. And specifically in the west half of
6	Section 7 the blue line running east and west is located
7	at the half section line of Section 7.
8	Q. You said at the half section line?
9	A. Correct.
10	Q. I'm sorry. Just for clarification, Mr. Pedersen, I
11	just noticed something. Do you have Staff Exhibit 10 up
12	there?
13	A. Yes, I do.
14	Q. It's the 2009 agreement. Could you turn to page 3,
15	the map. Do you have it in front of you? Yeah. That's
16	the one.
17	Do you see that green line there?
18	A. Yes.
19	Q. And do you see that it runs through East Baxter
20	Circle, and then on the other side of that circle it says
21	East Carlisle Circle?
22	A. Yes.
23	Q. I do not see that on your Staff Exhibit 3 or Staff
24	Exhibit 2. Is it on your map?
25	A. The road is on my map. However, in the current view

on this program the layer does not allow those street 1 labels to appear. In order to have those street labels 2 appear I would have to zoom in to a point that would not 3 allow me to view the entire disputed area of both 4 Section 12 and 7. 5 So the street is actually on here? 6 Ο. 7 Α. Yes. Can you please identify that? 8 Ο. It is a street running parallel to East Yorkshire 9 Α. Street directly south of East Yorkshire Street and 10 directly northwest of East Tranquility Place. 11 Thank you. I just wanted to make sure that we all 12 Q. had our bearings in comparison to the other maps. 13 Why don't we flip to Staff Exhibit 4 then. And what 14 15 is this map? This is Staff's understanding of what Southeastern's 16 Α. interpretation of the electric service territory boundary 17 is post EL09-021. Specifically if you focus on the west 18 19 half of Section 7, the blue line running east and west reflects a line at a point one-half mile north of east 20 69th. 21 And East 69th is the southern border of Section 7 as 22 Ο. 23 well; correct? It's the south section line of Section 7. 24 Α. Yes. And Staff Exhibit 5, please. And what is this? 25 0.

1 Α. This is a comparative map post EL09-021. It incorporates the previous two maps of Staff Exhibit 3 and 2 Staff Exhibit 4 into one comparative view. 3 Staff Exhibit 6, please. And what are you showing 4 0. here? 5 Α. This is a map of lines -- of lines and distances 6 that Staff felt were relevant. Specifically the yellow 7 line is the literal one-half mile line, which is one-half 8 mile north of 69th or the south section line of 9 Section 7. 10 11 The red line is the half section line established in 12 the 1976 service territory agreement map. And the blue 13 line represents the original boundary as identified by a 14 green line on page 3 in the map, Exhibit A of Staff 15 Exhibit 10, running along Baxter Circle and Carlisle Circle. 16 17 In fact, it looks like the blue line's covering up Ο. 18 that street right now, isn't it? 19 Α. Correct. 20 And now we have a weird one. Let's go to Staff 0. Exhibit 7. What is this? 21 22 This is yet another comparative view map post Α. 23 EL-09-021, assuming Section 7 was not modified. Now explain to us a little bit what you mean by if 24 Ο. Section 7 was not modified. 25

The legal description in EL09-021 is unclear and can 1 Α. 2 be interpreted in different ways. So in order to do that I established this map. 3 So one way -- well, why don't you explain the 4 0. several ways. I won't put words in your mouth. 5 Why don't we pull out that legal description. 6 7 Α. Are you referring to page 2 of Staff 10? If that's what you're referring to. 8 0. Yes. 9 Α. Yes. Why don't you explain this map we're looking 10 Okay. Q. 11 at that description. When reading point 5, then south along South 1.2 Α. 13 Southeastern Avenue or 476th Avenue to the existing 14 boundary line, which is one-half mile north of 69th 15 Avenue or 269th Street, I interpreted that as the red dot 16 on the map. Point 6 where it states then east one-half mile to 17 the northeast corner of the southwest quarter of 18 19 Section 7 of Township 100 North, Range 49 West is the blue dot on this map. 20 So if I'm understanding this correctly, the blue dot 21 0. that you've placed on here corresponds to your 22 23 understanding of where the lines sat on the 1976 map in 24 Section 7? 25 In 1976 that was referred to as the center point. I Α.

at first didn't go to that. I first just read this legal 1 2 description. I'm sorry. Maybe I wasn't clear. Aside from the 3 0. legal description, if you just turn back to Staff 4 Exhibit 1, this map. 5 6 Α. Oh. Staff Exhibit 1. Yes. 7 Where is the blue dot on that map? 0. It is at a point where the northeast corner of the 8 Α. southwest quarter -- at the center point of Section 7. 9 10 Okay. Now are you suggesting that this is what the Ο. territory should look like? 11 No. This is simply just informative to show how the 12 Α. legal description is unclear. 13 14 So when you read the legal description you read it Q. two different ways, either the way Southeastern has 15advanced, which is one-half mile north of the southern 16 border, or returning to this point that you've identified 17 18 in Staff Exhibit 1? 19 Yes. Α. I'm 20 Okay. So you were just playing around. No. Ο. 21 just kidding. MR. SOYE: No further questions. 22 23 MR. SMITH: Thank you. Cross-examination for 24 Mr. Koenecke. 25 MR. KOENECKE: No questions, Mr. Smith.

	79
1	MR. SMITH: Questions?
2	MR. PETERSON: No questions.
3	MR. SMITH: Okay. Thank you.
4	Any Commissioner questions? Chairman Hanson.
5	CHAIRMAN HANSON: Good afternoon. Mr. Pedersen,
6	could you tell us looking at the JSA map, for instance,
7	we have a lot of maps in front of us would you agree
8	that that map would probably take precedence over the
9	and I do appreciate the information that you have in your
10	maps. There's excellent clarification in your exhibits.
11	For instance, Exhibit 5 which clearly shows the disputed
12	area. I appreciate that.
13	Would you say that the JSA map would be a map
14	that would be more reliable from the standpoint of
15	ascertaining distances and in comparison to the maps
16	that you've provided.
17	A. Yes. Because it was made by surveyors.
18	CHAIRMAN HANSON: Thank you. And that is not in
19	any way to impugn what you have provided to us. Again, I
20	appreciate that information. It does help clarify that.
21	Thank you for your testimony.
22	MR. SMITH: Other Commissioner questions? Any
23	follow on in response to the Commissioner questions?
24	Mr. Soye?
25	MR. SOYE: No further questions, no.

1 Thank you. I think you may step MR. SMITH: 2 down then, Mr. Pedersen. Does that then conclude Staff's direct case? 3 MR. SOYE: Yes, it does. 4 5 MR. SMITH: Okay. Mr. Koenecke, are you ready to proceed? 6 7 MR. KOENECKE: Proceed with what, Mr. Smith? MR. SMITH: Do you have a rebuttal case? 8 I do not. 9 MR. KOENECKE: MR. SMITH: You do not. I think as far as that 10 goes, then I think we're done. 11 12 MR. KOENECKE: I would agree with you. 13 MR. SMITH: Any disagreement, Mr. Peterson? 14 MR. PETERSON: I am happy to be done. MR. SMITH: Okay. Well, that includes the 15 evidentiary portion of the hearing today. Why don't we 16 17 move on now then to what happens next. And I will let the Commissioners know, and I have mentioned this 18 19 previously, you were aware that we had a prehearing conference during which I inquired of counsel for all 20 parties whether they would prefer to do the follow on to 21 22 this via oral argument standing alone here today or to go 23 with the briefing route. And the universal preference of all of the 24 25 counsel involved was to go the briefing route where they

can take what the evidence -- what we heard here today 1 2 and carefully attempt to explain how the law addresses that. 3 And I quess that would be my preference as well. 4 5 Honestly, it would. We discussed the following dates for 6 briefing. And my recollection -- and, again, I have it 7 written down somewhere here in my pile, but I'm not going 8 to dig it out. Anybody's free to have changed their mind 9 anyway. 10 As I recall our discussion, it was simultaneous 11 initial briefs due 30 days following the date of this 12 hearing with also simultaneous reply briefs to occur --13 or to be due, filed and served, 15 days after that. 14 Am I remembering that correctly, Counsel? MR. KOENECKE: I think so, Mr. Smith. The only 15 caveat is I don't know when we'll have a transcript. 16 17 MR. SMITH: That's true. 18 (Discussion off the record) 19 MR. SMITH: Mr. Peterson, you seemed to have the 20 most concern about schedule because of some other matters 21 you have pending. 22 MR. PETERSON: As long as we're out that far, 23 I'm fine. 24 MR. SMITH: If we're out 30 days, you're okay 25 with that?

1 MR. PETERSON: Yes. Mr. Koenecke? 2 MR. SMITH: MR. KOENECKE: I think that's fine. 3 Τf something happens in the court reporter's life that we 4 5 don't get a brief, I assume we can all get on the phone 6 and figure out something different. 7 MR. SMITH: Yeah. I don't think it's -- you know, those dates, if need be, can be adjusted based on 8 any number of contingencies that might happen. 9 10 I think Mr. Soye had the worst MR. KOENECKE: schedule compression problem, if I recall. 11 He has a bad one, but I don't know 12 MR. SMITH: if that's solvable here, at least on the latter part. 13 But in terms of that 10 days on transcript, you're okay 14 15 with that, are you Ryan? I'll be okay on the 10 days on 16 MR. SOYE: 17transcript, yes. 18 MR. SMITH: When do you leave? 19 I'll be leaving the 30th so actually MR. SOYE: 20 once Christmas break hits I'll be pretty much done. 21 MR. SMITH: All righty. Does that work for all counsel in the case, the 30 days for all simultaneous 22 initial briefs and then a follow on brief if you want to 23 24 do one 15 days after that? 25 It works for me, Mr. Smith. MR. KOENECKE:

1 Thank you.

2 MR. PETERSON: .Just to clarify, we're talking 30 days from the transmittal of the transcript? 3 MR. SMITH: Is that what you mean is 30 days 4 5 from that? I meant 30 days from that. 6 MR. PETERSON: I'm fine with that. I just want 7 to make sure what the dates were. MR. SMITH: Because remember -- well, we talked 8 some about once we get into the legislature and that for 9 10 at least I know Mr. Koenecke and some of the rest of us that gets to be somewhat problematic. 11 MR. PETERSON: No. I'm not concerned about the 12 date. I just wanted to make sure I knew what it was. 13 14 MR. SMITH: No. 30 days from today's date is what I was referring to. That also works for Mr. Soye 15 who's got an unusual circumstance. It's a good one, 16 17 though. MR. SOYE: I don't know how unusual it is. 18 CHAIRMAN HANSON: You're calling marriage 19 20 unusual? MR. SMITH: It's just not something that happens 21 22 every day. 23 MR. SOYE: Unusual in my life. CHAIRMAN HANSON: Okay. 24 25 MR. SMITH: With that, I'm going to ask the

Commissioners if that posthearing schedule works for you or if there's any objections to that? Okay. Hearing no objection and seeing some nods of the head, is there any other business then from any of the parties or the Commissioners to come before this proceeding today? MR. PETERSON: No. MR. SMITH: Seeing and hearing no indication of that, the hearing today in Docket EL11-025 is adjourned. Thank you very much. (The hearing is concluded at 3:25 p.m.) 

1	STATE OF SOUTH DAKOTA )
2	:SS CERTIFICATE
3	COUNTY OF SULLY )
4	
5	I, CHERI MCCOMSEY WITTLER, a Registered
6	Professional Reporter, Certified Realtime Reporter and
7	Notary Public in and for the State of South Dakota:
8	DO HEREBY CERTIFY that as the duly-appointed
9	shorthand reporter, I took in shorthand the proceedings
10	had in the above-entitled matter on the 6th day of
11	December, 2011, and that the attached is a true and
12	correct transcription of the proceedings so taken.
13	Dated at Onida, South Dakota this 15th day of
14	November, 2011.
15	
16	
17	Children .
18	Cheri McComsey Wittler, Notary Public and
19	Registered Professional Reporter Certified Realtime Reporter
20	
21	
22	
23	
24	
25	
L	

~

\$	75:5 <b>13.8</b> [1] - 25:9	<b>269th</b> [2] - 19:20, 77:15	22:10, 25:7, 51:10, 60:18, 65:18	54:10, 54:14, 56:6, 56:7, 56:23, 57:7,
	14 [1] - 72:11	28 [2] - 2:10, 46:1		57:18, 65:6, 67:20,
<b>\$95,000</b> [1] - 59:18	<b>15</b> [3] - 44:7, 81:13,	<b>29</b> [4] - 51:1, 59:7,	6	69:13
	- 82:24	59:8, 67:11		85th [1] - 51:11
r	15th [1] - 85:13	<b>2:11</b> [1] - 44:8		
	1960s [1] - 14:21		<b>6</b> [26] - 1:9, 3:5, 3:14,	9
	<b>1975</b> [2] - 14:14, 14:22	3	3:19, 4:8, 8:22, 9:12,	5
<b>'09</b> [11] - 7:22, 7:24,	<b>1976</b> [22] - 3:3, 10:1,	J	18:17, 21:19, 23:5,	
21:25, 23:23, 24:1,	13:10, 14:4, 15:23,		30:4, 33:17, 34:10,	9 [15] - 3:7, 3:13, 3:13,
24:4, 34:16, 35:12,		3 [29] - 3:4, 3:10, 3:13,	53:20, 55:7, 56:3,	3:14, 3:14, 3:15,
35:13, 35:14, 35:24	20:3, 24:7, 29:21, 33:10, 33:12, 34:18,	3:19, 7:23, 8:20,	56:5, 57:21, 57:22,	10:3, 18:6, 18:10,
' <b>70s</b> [1] - 14:21	34:20, 36:19, 37:1,	9:12, 20:9, 21:20,	61:19, 61:20, 62:15,	18:12
<b>'92</b> [1] - 50:12		24:21, 24:22, 30:10,	62:16, 76:4, 77:17	95,000 [1] - 59:17
<b>'95</b> [1] - 50:13	40:4, 48:16, 48:23,	30:23, 32:3, 32:7,	60 [1] - 2:14	
	73:9, 73:17, 76:12,	39:13, 40:24, 47:3,	600 [5] - 20:20, 35:25,	<b>A</b>
0	77:23, 77:25	53:7, 61:9, 63:1,	41:24, 42:1, 42:25	
	<b>1990</b> [3] - 46:4, 46:6,	64:8, 65:6, 65:7,	605 [1] - 49:23	
	46:8	74:1, 74:14, 74:23,	<b>67</b> [1] - 2:15	<b>Aaron</b> [1] - 66:10
<b>09-021</b> (1) - 10:5	<b>1995</b> [2] - 50:7, 50:8	76:2, 76:14	69th [18] - 17:21,	above-entitled [2] -
		<b>30</b> [7] - 81:11, 81:24,	18:23, 19:20, 20:1,	2:2, 85:10
1	2	82:22, 83:3, 83:4,	20:5, 22:10, 22:13,	accepting [1] - 20:22
		83:5, 83:14	33:8, 51:11, 55:11,	accommodate [1] -
1 [36] - 2:5, 3:3, 3:9,	<b>2</b> [39] - 3:3, 3:3, 3:4,	30th [1] - 82:19	56:17, 65:18, 65:19,	41:15
	3:4, 3:5, 3:5, 3:6,	<b>35</b> [1] - 11:25	65:20, 75:21, 75:22,	accordance [1] - 4:18
3:13, 3:18, 3:18,	3:6, 3:7, 3:7, 3:9,	<b>36</b> [1] - 2:10	76:9, 77:14	according [3] - 65:16,
3:19, 4:7, 4:14, 7:17,			6th (2) - 2:4, 85:10	68:21, 73:17
7:18, 8:6, 8:17, 9:12,	3:10, 3:10, 3:11,	<b>3:25</b> [1] - 84:11	011[2] • 2.4, 00.10	accurate (1) - 52:21
9:20, 10:11, 12:23,	3:13, 3:13, 3:14,		7	accurately [1] - 73:13
12:25, 13:12, 17:5,	3:14, 3:15, 7:21,	4	1	act [1] - 5:11
17:8, 17:9, 17:11,	16:1, 16:7, 16:10,			action [1] - 67:4
30:3, 37:3, 37:12,	19:13, 21:14, 21:19,	4 [13] - 3:4, 3:11, 3:18,	7 [57] - 3:6, 3:14, 3:19,	actions [1] - 12:6
50:18, 63:10, 72:22,	21:20, 23:6, 29:15,	7:17, 7:24, 8:6,	8:25, 9:12, 9:20,	add (2) - 24:4, 31:1
73:2, 73:6, 73:8,	30:3, 33:3, 36:24,	29:23, 30:1, 53:15,	12:14, 12:21, 13:17,	add(2) - 24.4, 31.1 addition (7) - 9:4,
73:18, 78:5, 78:6,	59:10, 59:12, 73:14,	53:17, 61:9, 75:14,	17:24, 18:13, 18:16,	
78:18	74:24, 77:7	76:3	22:20, 23:8, 23:14,	24:14, 24:18, 30:6,
<b>10</b> [57] - 3:3, 3:3, 3:4,	<b>20</b> [1] - 24:12	4-7-44-8 [1] - 3:13	23:17, 24:5, 24:6,	60:25, 66:13, 69:17
3:4, 3:5, 3:5, 3:6,	<b>2000</b> [12] - 18:18, 35:2,	<b>412</b> [1] - 2:3	29:9, 31:22, 32:14,	Addition [2] - 69:9,
3:6, 3:7, 3:7, 3:18,	37:24, 38:17, 39:20,		37:7, 37:8, 37:10,	69:16
9:20, 10:4, 10:12,	46:5, 66:2, 66:4,	<b>414</b> [1] - 4:9	37:19, 40:3, 40:13,	additional [2] - 31:25,
14:6, 19:1, 19:14,	66:6, 66:8, 68:8,	<b>44-9</b> [1] - 3:13	40:16, 51:3, 53:22,	33:23
20:9, 21:15, 23:5,	68:11	<b>45</b> [1] - 2:12	56:14, 60:9, 61:4,	address [5] - 6:1,
29:15, 29:16, 30:1,	2000s [1] - 51:20	476th [2] - 19:19,	61:8, 61:13, 61:15,	11:15, 45:17, 45:19,
30:3, 30:10, 30:23,	2006 [2] - 46:6, 69:24	77:13	61:23, 62:1, 62:19,	49:21
33:1, 34:10, 38:22,	2007 [4] - 46:15,	48 [1] - 2:12	63:1, 72:22, 73:10,	addresses [1] - 81:2
40:23, 42:19, 44:5,	51:23, 64:2, 64:21	49 [4] - 2:14, 23:9,	74:6, 74:7, 75:5,	adequate [1] - 44:6
46:10, 47:16, 47:18,	<b>2009</b> [24] - 4:16, 4:19,	53:23, 77:19	75:19, 75:22, 75:24,	adjourned [1] - 84:9
48:11, 62:16, 64:9,	4:22, 4:24, 5:1, 8:21,	<b>49-34A-44</b> [1] - 16:20	76:10, 76:21, 76:23,	adjust [1] - 41:15
69:6, 74:11, 76:15,	19:1, 19:3, 28:12,	_	76:25, 77:19, 77:24,	adjusted [1] - 82:8
77:7, 82:14, 82:16	38:22, 40:4, 46:15,	5	78:9	admission [1] - 7:5
<b>100</b> [5] - 23:9, 35:8,	48:12, 58:16, 59:15,		<b>72</b> [1] - 2:16	admit [1] - 23:12
37:18, 53:22, 77:19	65:11, 67:7, 68:14,	5 [12] - 3:5, 19:15,	12[1]-2.10	admitted [2] - 8:6,
104 (5) - 29:20, 30:2,	68:15, 68:17, 68:21,		0	10: <b>12</b>
37:16, 70:2, 70:9	69:7, 70:6, 74:14	20:6, 32:23, 33:5,	8	advanced [1] - 78:16
05 [5] - 29:20, 30:2,	2011 [6] - 1:9, 2:4, 4:8,	55:9, 55:21, 56:16,		affairs [2] - 11:22,
37:16, 70:2, 70:8	4:14, 85:11, 85:14	61:19, 75:25, 77:12,	8 [33] - 3:6, 3:9, 3:10,	19.4
1 [2] - 2:9, 49:23	<b>229</b> [1] - 51:2	79:11	3:10, 3:11, 3:15,	affected [1] - 4:16
<b>2</b> [12] - 12:14, 12:21	<b>23</b> [3] - 28:12, 62:5,	<b>50</b> [1] - 37:18	3:19, 9:3, 9:12, 10:1,	afternoon [7] - 11:14,
27:11, 27:13, 33:16,	62:7	500 [2] - 2:3, 11:16	14:4, 14:9, 15:21,	12:9, 27:23, 45:10,
	<b>25</b> [2] - 44:9, 44:10	<b>501</b> [1] - 45:20	34:5, 34:6, 36:19,	60:3, 70:16, 79:5
3/10.3/17.403		E7404 44.47	07.0, 07.0, 00.10,	
37:10, 37:17, 40:3, 51:3, 54:9, 73:10,	<b>26</b> [2] - 46:10, 62:15	<b>57104</b> [1] - 11:17 <b>57th</b> [7] - 17:19, 18:22,	37:2, 53:2, 53:3,	AGAINST [1] - 1:5

•

 $\overline{)}$ 

<b>ago</b> (1) - 45:2 <b>agree</b> [8] - 33:16,	approval <sub>[2]</sub> - 9:1, 19:6	В	23:1, 25:7, 25:19, 58:4, 74:6, 75:19,	28:9, 36:15, 45:9, 48:8, 49:19, 60:2,
38:1, 40:18, 40:20,	ARC [2] - 72:15, 73:18		76:12, 76:17, 77:20,	67:18, 72:4
48:15, 69:10, 79:7,	Area [1] - 3:13	background [3] -	77:21, 78:7	01.10, 72.4
80:12	area [24] - 7:24, 8:17,	12:1, 45:23, 50:14	bold [1] - 61:1	С
agreed (6) - 16:11,	8:19, 8:24, 9:3, 17:1,	bad [1] - 82:12	border [3] - 37:14,	
16:12, 16:18, 30:2,		Bahnson [1] - 61:7		
34:18, 66:6	31:25, 42:2, 46:25,	base [2] - 27:16, 43:12	75:22, 78:17	cannot [1] - 35:7
	47:4, 47:6, 47:10,		borders [1] - 68:19	Capitol [3] - 2:2, 2:3,
agreeing [1] - 30:6	50:22, 51:1, 51:8,	based [4] - 5:2, 20:3,	bottom [11] - 15:25,	4:9
agreement [39] - 4:18,	51:13, 52:2, 52:5,	46:24, 82:8	16:7, 16:10, 18:3,	carefully [2] - 13:10,
10:2, 10:5, 14:4,	58:1, 58:13, 59:2,	baseline [1] - 27:15	20:10, 30:17, 30:24,	81:2
15:18, 19:5, 19:12,	73:13, 75:4, 79:12	basis [4] - 4:18, 4:23,	60:22, 61:12, 61:14,	
21:8, 29:1, 29:21,	<b>areas</b> [3] - 16:22,	4:25, 52:22	61:19	Carlisle [2] - 74:21,
29:23, 33:10, 33:13,	50:23, 73:10	Baxter [2] - 74:19,	Boulevard [1] - 30:20	76:15
34:16, 35:24, 36:19,	argument [1] - 80:22	76:15	boulevard [1] - 22:18	carried [1] - 67:10
37:1, 38:22, 38:25,	ascertaining [1] -	bear [1] - 36:16	boundaries [2] -	case [19] - 11:8, 12:16,
41:14, 48:12, 53:16,	79:15	bearings [1] - 75:13	14:16, 51:8	17:3, 18:18, 18:23,
55:2, 55:4, 55:10,	aside [1] - 78:3	became [2] - 16:5,	boundary [44] - 4:17,	21:1, 21:7, 22:1,
56:19, 56:21, 63:20,	aspect [1] - 15:24	26:5	4:21, 9:2, 19:19,	22:2, 29:11, 35:1,
65:11, 65:18, 67:7,	assign [1] - 15:16	become [6] - 5:18,	19:25, 20:10, 20:13,	37:24, 41:25, 44:16,
68:8, 68:14, 68:15,	assigned [4] - 14:24,	14:15, 25:22, 50:10,	20:18, 20:19, 20:21,	45:4, 49:9, 80:3,
68:21, 69:8, 73:17,	17:1, 26:7, 26:12	50:12, 70:19	20:22, 21:9, 22:6,	80:8, 82:22
74:14, 76:12	assigning [1] - 14:19	BEFORE [1] - 1:11	30:18, 31:10, 32:11,	cases [1] - 14:20
Agreement [1] - 3:6	assistant (1) - 50:12	began [2] - 28:14,	32:24, 33:7, 35:23,	caused [3] - 14:15,
ahead [3] - 51:17,		46:3	36:8, 39:14, 40:2,	14:23, 17:22
57:5, 58:14	assume [1] - 82:5			caveat [1] - 81:16
	assuming [2] - 43:21,	begin [4] - 4:2, 5:24,	41:3, 41:8, 41:19,	center [27] - 23:13,
Alan [3] - 1:18, 6:16,	76:23	44:15, 49:15	41:22, 42:24, 46:21,	23:14, 35:5, 37:17,
28:3	attached [4] - 10:2,	behind (1) - 57:7	47:19, 48:14, 52:16,	37:19, 38:2, 38:7,
Alcester [2] - 49:22,	16:14, 16:21, 85:11	believes (1) - 36:7	55:14, 64:13, 64:15,	38:8, 38:13, 54:8,
49:23	attaching [1] - 38:25	belonged [1] - 42:2	64:17, 65:10, 66:19,	54:10, 54:16, 54:20,
allow [2] - 75:1, 75:4	attachments [1] ~ 10:5	below [3] - 47:3, 61:3,	70:1, 70:2, 73:16,	
allowed [2] - 19:17,	attempt (1) - 81:2	61:6	74:4, 75:17, 76:13,	55:7, 56:12, 60:16,
24:2	attempted [1] - 16:4	Bettmann [2] - 15:4,	77:14	70:17, 70:21, 70:22,
lone [1] - 80:22	attempts [1] - 21:24	16:2	Boundary [2] - 3:3,	70:24, 71:1, 71:3,
mendments [2] -	attended [1] - 34:24	between [27] - 4:17,	3:11	71:6, 71:7, 77:25,
34:18, 34:19	attention [9] - 15:25,	10:2, 14:10, 15:9,	Brad (5) - 2:11, 6:18,	78:9
nalyst [2] - 72:10,	17:4, 18:6, 18:25,	15:22, 16:9, 16:12,	45:18, 49:7, 52:7	certain [2] - 5:10, 35:8
72:12	19:14, 21:18, 60:7,	16:18, 16:22, 16:24,	break [2] - 44:4, 82:20	certainly [3] - 27:7
nswer [4] - 13:19,		17:23, 18:2, 18:22,	breather [1] - 44:5	39:11, 40:19
39:22, 47:9, 47:13	63:9, 64:8	21:3, 22:9, 22:22,	Brett [6] - 1:17, 6:7,	CERTIFICATE [1] -
nticipate [1] - 9:5	attorneys [1] - 43:22	29:2, 30:13, 30:19,	13:7, 36:18, 45:11,	85:2
nyway [1] - 81:9	auctioneer [1] - 5:10		60:3	Certified [2] - 85:6,
• •	August [3] - 59:7,	30:20, 31:11, 35:5,	brief [2] - 82:5, 82:23	85:19
pologize [3] - 25:4,	59:8, 67:11	37:13, 51:18, 65:17,		CERTIFY [1] - 85:8
44:23, 45:11	Avenue [18] - 2:3,	66:3, 68:19	briefing [3] - 80:23,	chair [1] - 4:10
pparent [1] - 18:1	19:19, 22:3, 22:18,	beyond [1] - 31:15	80:25, 81:6	CHAIRMAN [22] -
ppear [2] - 75:2, 75:3	23:3, 25:8, 31:14,	Bickett [1] - 66:10	briefly [1] - 45:22	1:11, 1:12, 4:1, 5:22,
ppearances [1] - 6:3	31:15, 31:18, 31:19,	big [1] - 17:13	briefs [3] - 81:11,	34:2, 42:11, 42:17,
PPEARANCES [1] -	32:16, 32:19, 33:8,	bigger (4) - 53:11,	81:12, 82:23	42:20, 42:22, 43:3,
1:16	55:11, 56:17, 77:13,	53:14, 65:2, 65:6	bring [2] - 40:7, 48:18	43:8, 43:14, 44:7,
opeared [1] - 18:18	77:15	bisect [1] - 21:5	broadway [1] - 45:20	
opendix [1] - 13:9	avenue [5] - 19:18,	bit [3] - 13:5, 38:21,	Buckingham [1] -	44:9, 70:16, 70:22,
plicable [1] - 5:3	19:20, 20:2, 22:18,	76:24	60:15	70:25, 71:9, 79:5,
plied [1] - 15:8	61:7	Black [1] - 45;24	budget [1] - 6:1	79:18, 83:19, 83:24
pointed [1] - 85:8	aware [7] - 12:14	black [2] - 58:8, 58:10	Building [1] - 2:3	chairman [5] - 5:21,
preciate [3] - 79:9,	25:22, 26:5, 68:8,	block [1] - 62:5	business [8] - 4:3,	5:23, 42:10, 70:15,
• • • • •		Block [1] - 62:7	7:11, 11:15, 45:16,	79:4
9:12, 79:20	68:11, 68:17, 80:19		45:22, 45:24, 49:20,	Chairman [1] - 71:10
prenticeship [2] -	awkward [1] - 27:25	blocks [1] - 22:22		chance [8] - 34:5,
50:10, 50:16	Axthelm (1) - 1:15	blue [18] - 17:22,	84:4 buow (4) - 25:4	34:6, 35:20, 47:13,
propriate [2] - 5:2,		17:25, 22:7, 22:9,	busy [1] - 25:4	67:19, 69:4, 70:16,
27:6		22:20, 22:22, 22:25,	<b>BY</b> [10] - 1:4, 11:13,	

71:16		18
Chance [6] - 2:13	i	27
6:19, 44:17, 47:21,		
		58
49:16, 49:22		72
change [6] - 4:16,		CO
14:14, 14:22, 47:19,		1:
69:7, 70:9		Cor
changed [4] - 34:23,		4:1
34:24, 70:11, 81:8		7:1
changes [4] - 9:2,		Con
52:17, 55:16, 70:3		42
changing [2] - 70:1,		43
70:6		69
check [1] - 64:24		70
1		
checked [1] - 64:17		79:
CHER! [1] - 85:5		CON
<b>Cheri</b> [3] - 1:23, 5:5,		1:1
85:18		69:
chief [2] - 45:4, 49:10		70:
CHRIS [1] - 1:12		Con
Chris [1] - 4:11		4:1
Christmas [1] - 82:20		80:
Circle (1) - 74:20		com
circle [4] - 74:20,		14:
		com
74:21, 76:15, 76:16		14;
circumstance [1] -		
83:16		21:
clarification [2] -	1	com
74:10, 79:10		76:
clarify [3] - 68:16,		Com
79:20, 83:2		com
clear [5] - 34:11,	1	com
36:17, 37:23, 38:6,		75:1
78:3		Com
clearly [1] - 79:11		com
close [2] - 28:4, 52:4		сом
		com
closed (1) - 59:16		-
Co [8] - 15:23, 17:18,		com
17:20, 22:6, 22:19,	'	comp
27:8, 30:19, 45:6		58:7
<b>co</b> [2] - 13:10, 14:12	10	comp
Co-op [8] - 15:23,		82:1
17:18, 17:20, 22:6,		onc
22:19, 27:8, 30:19,	0	onc
45:6	c	onc
co-op [2] - 13:10,		68:1
14:12		onc
coincidentally [1] -	1	80:3
-		oncl
18:16	_	
coloring [1] - 31:1		oncl
combination [1] - 7:21	C	ond
combine (1) - 21:24		5:20
coming [1] - 51:2		onfe
commencing [1] - 2:5	c	onfii
comments [1] - 40:8	C	onfli
commission [1] - 4:10		16:2
Commission [20] -	c	onfu
5:15, 8:18, 10:4,	ł	54:2
		56:3
10:6, 12:7, 14:8,		
14:15, 15:2, 17:7,	C	onne

18:19, 19:6, 21:23, considered [1] - 31:10 27:17, 39:1, 45:22, 58:23, 68:8, 71:25, 72:11, 72:13 COMMISSION [3] -1:1, 1:11, 1:13 Commission's [6] -4:13, 5:11, 5:13, 7:19, 68:18, 72:13 Commissioner [15] -42:9, 43:16, 43:17, 43:19, 43:23, 49:2, 69:3, 69:5, 70:14, 70:15, 71:11, 71:13, 79:4, 79:22, 79:23 OMMISSIONER [8] -1:12, 43:18, 43:20, 69:6, 69:12, 69:19, 70:5, 70:12 ommissioners [6] -4:11, 57:25, 58:9, 80:18, 84:1, 84:5 ompanies [3] -14:12, 15:15, 21:3 ompany [6] - 11:25, 14:10, 14:11, 15:19, 21:17, 36:7 omparative [3] -76:1, 76:3, 76:22 omparative (1) - 3:5 omparing [1] - 40:25 omparison [2] ~ 75:13, 79:15 omplainant [1] - 6:4 omplaint [1] - 4:3 OMPLAINT [1] - 1:4 ompleted [1] - 59:3 ompletely [1] - 59:16 mplies [2] - 56:18, 58:7 mpression [1] -32:11 ncern [1] - 81:20 ncerned [1] - 83:12 ncerning [2] - 35:3, 8:18 nclude [2] - 49:9, 0:3 ncluded [1] - 84:11 nclusive [1] - 16:25 nduct [2] - 5:13, :20 nference [1] - 80:20 nfirms [1] - 31:9 nflict [4] - 16:8, 6:22, 16:24, 37:25 nfused [5] - 23:12, 4:21, 54:24, 55:20, nnected [1] - 26:20

consolidated [1] -46:5 constructed [3] -26:21, 27:12, 47:2 construction [2] -25:25, 50:4 consult [1] - 65:9 consulted [1] - 64:6 contacted [1] - 52:1 contained [2] - 23:22, 46:12 contains [1] - 37:9 contemplated [1] -16:8 contention [1] - 20:13 contested [3] - 8:19, 8:24, 9:3 contingencies [1] -82:9 continue [1] - 27:11 Continued [1] - 3:1 contract [18] - 13:9, 13:10, 14:9, 14:14, 15:16, 15:21, 15:22, 15:24, 16:1, 16:8, 17:13, 20:3, 24:7, 24:13, 29:4, 29:5, 34:18, 34:20 control [4] - 36:23, 65:23, 66:3, 66:7 controlled [1] - 66:8 controlling [1] - 16:21 controls [3] - 24:6, 65:24, 66:7 convening [1] - 7:3 conversation [6] -26:3, 26:8, 39:11 39:16, 42:14, 66:15 conversations [1] -7:2 cooperative [3] - 4:4, 49:25, 50:1 COOPERATIVE (1) -1:5 Cooperative [2] -1:18, 45:19 cooperatively [2] -21:3, 21:7 cooperatives [1] -45:25 copy [5] - 8:25, 17:9, 41:1, 41:6, 72:21 corner [13] - 22:1. 23:8, 33:21, 33:22, 34:9, 34:13, 34:14, 53:21, 60:19, 60:21, 62:18, 77:18, 78:8 corners [1] - 70:20 correct [75] ~ 7:6,

9:12, 9:13, 12:8, 12:16, 19:21, 20:12, 20:14, 21:1, 22:14, 22:25, 23:2, 23:4, 23:14, 23:18, 23:23, 23:24, 24:25, 25:20, 28:13, 28:22, 28:24, 28:25, 29:2, 29:3, 29:13, 29:14, 29:21, 29:22, 30:8, 30:9, 30:15, 30:21, 30:22, 31:4, 31:12, 31:13, 32:1, 32:2, 32:11, 32:14, 32:22, 33:8, 33:9, 33:11, 33:19, 33:20, 35:16, 35:19, 38:16, 39:4, 40:6, 41:11, 41:20, 42:4, 43:6, 43:7, 46:11, 46:21, 46:22, 48:10, 58:21, 62:4, 62:17, 64:18, 64:22, 65:19, 68:3, 68:5, 68:10, 69:17, 74:9, 75:23, 76:19, 85:12 correctly [2] - 77:21, 81:14 correspond [2] - 40:4, 48:15 corresponds [1] -77:22 cost [1] - 59:13 costs [1] - 59:16 Counsel [1] - 71:10 counsel [9] - 5:11, 5:19, 5:20, 7:6, 10:7, 80:20, 80:25, 81:14, 82:22 counsel's [1] - 5:16 COUNTY [1] - 85:3 County [6] - 7:19, 13:14, 17:16, 62:25, 63:4, 73:9 county's [1] - 63:6 couple [3] - 19:22, 28:1, 45:14 court [7] - 11:11, 14:20, 45:7, 49:17, 72:2, 72:6, 82:4 cover [4] - 19:5, 38:25, 39:3, 41:9 covering [1] - 76:17 create [2] - 68:3, 72:18 created [4] - 9:21, 68:7, 72:25, 73:13 creating [1] - 28:18 Crosby [1] - 21:16 Cross [3] - 2:10, 2:10, 2:12 cross [5] - 27:22,

36:12, 56:14, 70:20, 3 78:23 CROSS [5] - 28:8, 36:14, 48:7, 60:1, 67:17 Cross-examination [3] - 27:22, 36:12, 78:23 CROSS-EXAMINATION [5] -28:8, 36:14, 48:7, 60:1, 67:17 cross-sections [1] -70:20 crossing [1] - 30:24 CRR [1] - 1:23 current [4] - 22:1, 25:11, 72:8, 74:25 customers [3] - 14:19, 15:20, 25:1 cut (1) - 41:15

## D

D/B/A [1] - 1:5 Dakota [12] - 2:2, 2:4, 4:9, 11:19, 12:3 13:12, 14:17, 15:15, 45:20, 49:23, 85:7 85:13 DAKOTA [2] - 1:2, 85:1 darn [1] - 28:4 dashed [1] - 25:7 date [4] - 4:7, 81:11, 83:13, 83:14 Dated [1] - 85:13 dates [3] - 81:5, 82:8, 83:7 days (11) - 81:11, 81:13, 81:24, 82:14, 82:16, 82:22, 82:24, 83:3, 83:4, 83:5, 83:14 dead [1] - 38:13 deal [1] - 28:1 deals [1] - 69:8 December [5] - 1:9, 2:4, 4:8, 4:14, 85:11 decided [3] - 52.7, 55:14, 66:8 decision [2] - 34:22, 68:23 define [1] - 15:16 defines [1] - 30:13 degree [2] - 12:2, 45:24 Demaris [1] - 1:15 depict [1] - 31:19 depiction [1] - 17:10

··				
depícts [2] - 22:5,	60:6, 71:23, 80:3	57:7, 61:14, 61:19,	4:2, 84:9	56:20, 76:11, 77:3
30:18	Direct [2] - 2:9, 2:12	71:16, 80:2, 81:7	electric [13] - 4:4,	establishing [2] -
describe (6) - 9:22,	DIRECT [4] - 11:12,	dozen [1] - 24:11	8:20, 9:1, 14:11,	14:16, 58:17
16:4, 20:23, 21:22,	45:8, 49:18, 72:3	draw [5] - 23:19, 56:5,	14:17, 14:24, 45:25,	Estates [3] - 52:2,
32:18, 41:14	directed [1] - 15:1	56:13, 56:16, 64:8	46:3, 46:5, 72:19,	53:12, 55:16
lescribed [2] - 12:18,	directly [2] - 75:10,	drawing [2] - 16:2,	73:16, 74:4, 75:17	estimate [1] - 59:13
67:24	75:11	24:5	ELECTRIC [1] - 1:5	evidence [2] - 71:24
describing [1] - 58:20	l l	drawn [6] - 14:23,	Electric [13] - 1:18,	81:1
	disagreement [1] -		3:9, 6:18, 8:22, 8:24,	1
description [28] -	80:13	15:9, 17:23, 22:8,	8:25, 9:3, 14:11,	evidentiary [2] - 5:15,
10:3, 16:22, 16:25,	discuss (4) - 52:18,	25:20, 64:18		80:16
36:24, 37:9, 37:24,	53:19, 55:10, 57:3	drew [2] - 15:11, 22:11	29:9, 45:19, 49:25,	exact [1] - 29:20
38:18, 54:4, 54:5,	discussed [6] - 52:15,	drop [1] - 55:9	51:19, 59:14	exactly [6] - 29:13,
54:8, 60:7, 62:24,	52:16, 55:8, 64:25,	due [4] - 51:6, 59:17,	Electric's [2] - 30:14,	38:7, 39:17, 60:10,
63:3, 64:23, 65:15,	68:22, 81:5	81:11, 81:13	59:9	61:5, 62:2
65:16, 65:22, 65:25,	discusses [1] - 18:12	duly [1] - 85:8	electrical [4] - 12:2,	EXAMINATION (9) -
69:7, 70:10, 77:1,	discussing [2] -	duly-appointed [1] -	24:23, 25:1, 25:5	11:12, 28:8, 36:14,
77:6, 77:11, 78:2,	68:17, 69:14	85:8	elsewhere [1] - 61:25	45:8, 48:7, 49:18,
78:4, 78:13, 78:14	discussion [11] -	duplicate [1] - 57:16	employed [2] - 11:23,	60:1, 67:17, 72:3
descriptions [6] -	39:23, 47:20, 52:14,	during [3] - 36:18,	46:2	examination [3] -
15:17, 16:4, 16:9,	53:19, 53:25, 54:2,	63:23, 80:20	employees [2] - 46:17,	27:22, 36:12, 78:23
16:13, 16:20, 36:22	54:24, 55:5, 55:6,	duties [2] - 50:4,	47:21	Examiner [1] - 5:12
lescriptive [1] - 26:15	55:13, 81:10	72:16	employer[1] - 11:18	excellent [1] - 79:10
designed [1] - 57:14	Discussion [2] -	12.10	end [1] - 52:17	except [2] - 39:3,
lesigner [3] - 19:11,		· · · · · · · · · · · · · · · · · · ·	ends [1] - 32:15	59:12
	10:18, 81:18	E		
31:6, 39:8	discussions [3] -		ENERGY [1] - 1:5	exception [1] - 13:13
lesigners [2] - 25:5,	46:15, 46:24, 48:17	early [1] - 14:21	energy [3] - 12:2,	Exception [1] - 3:11
26:4	dispute [7] - 9:24,	easel [3] - 17:14,	58:18, 58:23	excerpt [1] - 7:19
lesigning (1) - 52:1	35:3, 65:14, 66:19,	50:19, 57:10	Energy [21] - 1:17,	exchange [4] - 21:10,
detail [1] - 31:25	66:25, 67:1, 67:2		4:4, 6:8, 11:19,	27:13, 51:23, 64:4
determine (1) - 27:15	disputed [4] - 73:9,	easement [2] - 63:6,	11:20, 11:24, 12:25,	excuse [4] - 34:2,
letermined [2] -	73:13, 75:4, 79:11	63:8	14:12, 15:23, 17:18,	34:5, 37:5, 71:10
38:17, 66:2	distances [3] - 3:5,	easements [1] - 62:23	19:4, 19:12, 20:15,	exhibit [20] - 7:21,
develop [3] - 15:15,	76:6, 79:15	easily [2] - 27:3, 73:1	21:15, 24:22, 26:7,	15:21, 21:22, 21:24,
26:2, 63:20	distribution [2] -	east [23] - 13:18, 22:3,	30:19, 43:12, 46:16,	23:22, 30:1, 32:25,
leveloped [3] - 25:12,	26:24, 58:12	22:17, 23:3, 23:7,	47:21, 60:4	40:25, 41:2, 42:18,
27:4, 36:22	divided [1] - 68:24	24:15, 27:14, 31:13,	Energy's [1] - 26:12	47:18, 48:11, 53:7,
leveloper [2] - 71:5,	division [3] - 22:16,	31:19, 32:19, 33:18,	engineer [1] - 68:1	53:16, 56:6, 57:7,
• • • •		37:18, 53:21, 54:7,	engineers [1] - 25:6	57:16, 60:6, 65:4,
71:6	58:24, 59:6	60:14, 61:6, 74:6,		
levelopment [5] -	DO [1] - 85:8	74:21, 75:11, 75:19,	enlargement [3] -	73:2
22:2, 22:4, 24:13,	Docket [10] - 18:9,	75:20, 75:22, 77:17	8:21, 32:5, 54:14	EXHIBIT [3] - 3:2, 3:8,
25:17, 51:14	19:1, 19:3, 21:25,	· · · · · · · · · · · · · · · · · · ·	ensure [1] - 73:12	3:12
)evelopment [2] -	23:23, 35:3, 37:24,	East [4] - 2:3, 74:19,	entail [1] - 12:5	Exhibit [107] - 3:18,
25:3, 27:2	38:17, 39:20, 84:9	75:9, 75:10	entire [1] - 75:4	7:24, 8:17, 8:22,
evelopments [1] -	docket [4] - 4:2, 4:16,	easy (1) - 52:5	entitled [3] - 2:2,	10:1, 10:3, 10:4,
21:2	7:22, 7:25	edge [1] - 51:14	46:20, 85:10	12:23, 14:4, 14:9,
iagram (1) - 30:18	dockets [1] - 12:6	education [1] - 45:22	entry [1] - 58:16	16:5, 16:10, 16:14,
ifference [6] - 18:15	document [5] - 24:3,	educational [2] - 12:1,	equal [2] - 20:24, 68:3	16:19, 16:20, 16:24,
22:15, 30:13, 35:5,	28:18, 46:13, 48:20,	50:14	equally [1] - 68:24	17:5, 17:11, 17:12,
38:10, 38:15	67:22	Eight [1] - 33:23	equidistant [10] -	18:6, 18:10, 18:12,
	1	eighths [1] - 20:4	•	19:1, 19:14, 20:9,
ifferent [9] - 40:8,	documents [3] - 5:6,	either [2] - 60:11,	15:9, 17:23, 18:2,	21:15, 21:20, 23:5,
40:16, 40:18, 48:25,	35:21, 39:3	78:15	18:22, 22:9, 36:25,	29:9, 29:15, 29:16,
61:11, 70:23, 77:2,	done [8] - 9:16, 10:13,	EL-09-021 [1] - 76:23	37:13, 65:17, 66:3,	
78:15, 82:6	21:5, 24:11, 72:24,		68:19	29:20, 29:24, 30:1,
ifficult [2] - 9:22,	80:11, 80:14, 82:20	EL00-026 [2] - 10:4,	error [1] - 31:22	30:3, 30:10, 30:23,
52:6	dot [4] - 77:15, 77:20,	68:18	essentially [1] - 14:23	32:3, 32:7, 33:1,
ig [1] - 81:8	77:21, 78:7	EL09-021 [9] - 3:6,	establish [2] - 15:11,	33:12, 34:5, 34:6,
irect [14] - 11:8, 14:3,	dotted [3] - 25:7, 58:9,	4:16, 9:1, 29:8,	70:3	34:10, 34:18, 36:19,
		73:17, 74:5, 75:18,	established [10] -	37:2, 37:3, 37:5,
	00. IV			
15:25, 17:4, 18:6, 19:14, 21:18, 37:25,	58:10 down [11] - 15:6, 25:8,	76:1, 77:1	4:22, 4:23, 4:25, 5:2,	37:7, 37:12, 38:22,

}

}

46:18, 47:3, 47:16,	F	49:4	graduated [1] - 50:15	51:6
47:17, 48:10, 48:13,	-	followed [2] - 14:14,	granting (1) - 9:1	head [2] - 13:6, 84:4
50:18, 53:2, 53:3,		54:7	graphic [1] - 17:10	hear [1] - 59:5
53:15, 53:17, 54:14,	facilities [27] - 7:23,	following [4] - 44:14,	green [17] - 20:10,	heard [2] - 6:12, 81:1
56:6, 56:7, 56:23,	8:23, 15:2, 15:5,	58:16, 81:5, 81:11	30:17, 30:24, 31:1,	hearing [19] - 4:2, 4:8
57:7, 57:18, 57:21,	15:8, 15:10, 17:18,	FOR (1) - 1.6	31:10, 31:15, 40:9,	4:12, 4:15, 5:13,
62:16, 63:10, 64:9,	17:19, 17:21, 17:23,	foreman [2] - 50:11,	40:12, 41:6, 41:7,	5:17, 5:20, 5:24, 7:3
65:6, 65:10, 67:19,	22:19, 22:23, 22:24,	50:12	41:19, 42:23, 42:24,	18:19, 44:13, 63:23
69:6, 69:13, 73:2,	25:13, 26:2, 26:3,			
73:6, 73:8, 73:14,	26:6, 26:11, 26:14,	forgive [1] - 5:4	46:20, 48:9, 74:17,	80:16, 81:12, 84:3,
	26:17, 27:9, 27:12,	formal [1] - 5:24	76:14	84:8, 84:9, 84:11
73:18, 74:1, 74:11,	47:2, 47:4, 52:3,	forming [1] - 4:18	ground [3] - 26:19,	Hearing [2] - 4:14,
74:23, 74:24, 75:14,		forms [2] - 52:21,	26:20, 62:23	5:12
75:25, 76:2, 76:3,	52:6, 58:2	70:21	group [2] - 56:24, 71:3	hearings [1] - 5:12
76:4, 76:14, 76:15,	facility's [1] - 43:12	forth [2] - 28:17, 37:21	<b>GSA</b> [3] - 9:3, 52:25,	Heidebrink [4] -
76:21, 78:5, 78:6,	fact [9] - 4:23, 4:25,	forward [1] - 18:24	69:13	46:25, 52:12, 55:19,
78:18, 79: <b>1</b> 1	13:15, 13:17, 28:23,	four [5] - 50:16, 56:9,	guess [10] - 12:20,	56:3
exhibits [13] - 7:5,	31:13, 34:22, 64:3,	56:11, 67:24, 68:3	34:11, 34:15, 34:21,	HEIDEBRINK [1] -
7:17, 8:16, 9:4, 9:11,	76:17	fourth [8] - 4:24, 54:6,	47:9, 48:11, 48:17,	55:20
9:20, 12:10, 12:22,	facts [1] - 5:2	60:13, 60:16, 62:7,	50:25, 60:10, 81:4	held [1] - 2:1
13:24, 28:1, 43:9,	fair [2] - 5:9, 21:10	62:8, 63:2, 63:3	guys [3] - 9:15, 46:16,	help [4] - 15:16, 33:22
72:22, 79:10	Falls [5] - 6:17, 11:17,		-	
Exhibits [3] - 3:18	50:23, 51:14, 56:24	fractional [9] - 36:25,	52:22	50:9, 79:20
••	familiar [4] - 12:12,	37:14, 38:3, 38:8,	••	
3:19, 9:20		68:2, 68:5, 68:20,	H	high [1] - 50:15
exist [2] - 62:19, 62:20	14:7, 27:24, 33:24	68:22, 68:23		highlight (1) - 30:16
existed [1] - 15:3	far [2] - 80:10, 81:22	free [1] - 81:8	balf 17:24	highlights [2] - 25:6,
existing [32] - 17:23,	feed [1] - 58:13	friends [1] - 22:5	half [32] - 17:24,	31:9
19:19, 19:25, 20:10,	feeder [1] - 26:24	front [9] - 8:9, 17:5,	19:20, 20:1, 20:5,	Highway [1] - 49:23
20:13, 20:17, 20:19,	feet [5] - 20:20, 35:25,	18:7, 29:16, 32:6,	22:12, 23:7, 33:8,	Hills (1) - 45:24
20:21, 20:22, 30:18,	41:24, 42:1, 42:25	50:18, 55:20, 74:15,	33:18, 35:6, 37:18,	himself [1] - 15:5
30:20, 31:10, 32:11,	felt [1] - 76:7	79:7	53:21, 54:7, 55:11,	history [1] - 15:12
35:23, 36:8, 39:14,	few [2] - 36:16, 60:4		55:15, 56:17, 61:4,	_
40:2, 41:2, 41:8,	FIEGEN [2] - 1:12,	full [1] - 13:20	61:8, 61:12, 61:15,	hits [1] - 82:20
41:19, 41:22, 42:24,	43:20	fun [1] - 6:2	65:18, 65:20, 74:5,	hold [1] - 63:10
46:21, 48:14, 52:16,	Fiegen [2] - 4:11,	future [1] - 26:17	74:7, 74:8, 75:19,	home [1] - 26:20
55:14, 55:17, 64:13,	1		75:20, 76:8, 76:11,	Homes [1] - 3:14
	43:19	G	77:14, 77:17, 78:16	homes (1) - 26:18
64:15, 64:17, 65:10,	figure (1) - 82:6		half-mile [6] - 37:18	honestly [1] - 81:5
77:13	file [1] - 19:6			hook [1] - 59:2
expanded [1] - 17:12	FILED [1] - 1:4	Gary [1] - 4:10	54:7, 55:15, 56:17,	hooked [1] - 59:11
expect [1] - 31:7	filed [1] - 81:13	GARY [1] - 1:11	65:18, 65:20	hooking [1] - 59:12
explain [7] - 17:7,	filing [1] - 12:6	gather [1] - 15:2	halfway [1] - 66:3	—
17:9, 38:10, 76:24,	final [1] - 5:18	general [8] - 5:20,	hand [5] - 7:18, 54:13,	house [1] - 21:5
77:4, 77:10, 81:2	finally [1] - 27:5	8:17, 45:18, 46:7,	60:12, 61:17, 62:3	houses [2] - 25:14,
explained [2] - 36:24,	fine [5] - 8:14, 45:15,	50:21, 50:24, 51:1,	handed [1] - 9:14	27:4
37:4		72:16	handing [2] - 9:14,	housing [3] - 21:1,
extend [4] - 24:5,	81:23, 82:3, 83:6		10:14	25:11, 25:17
	finger [1] - 51:9	General [1] - 71:10	handle (2) - 9:15, 50:4	Hutchinson [2] - 46:3,
27:3, 40:16, 59:1	finished [1] - 67:13	gentlemen [1] - 4:1	handout [1] - 9:17	46:4
extended [5] - 4:21,	firm (1) - 6:17	geographical (2) -	HANSON [21] - 1:11,	
22:19, 27:3, 31:21,	first [15] - 4:15, 6:3,	9:23, 72:14		ľ
40:12	9:20, 12:20, 16:3,	GIS [4] - 9:23, 72:14,	4:1, 5:22, 34:2,	L
extending [2] - 32:17,	24:12, 36:21, 42:3,	72:17, 73:18	42:11, 42:17, 42:20,	
53:20	45:16, 59:5, 63:17,	given [4] - 23:10, 39:2,	42:22, 43:3, 43:8,	idea (5) - 34:1, 35:15,
extends [5] - 31:13,	63:22, 63:25, 78:1	71:5	43:14, 44:7, 44:9,	35:17, 52:14, 63:25
31:15, 31:18, 32:10,	five [1] - 8:15	glad [1] - 53:2	70:16, 70:22, 70:25,	identification [1] -
32:13		Government [16] -	71:9, 79:5, 79:18,	
extensions [1] - 25:23	flip [1] - 75:14		83:19, 83:24	9:25
	flow [1] - 73:1	11:21, 61:4, 61:8,	Hanson [5] - 4:10,	identified [6] - 33:18,
extent [3] - 33:15,	focus [1] - 75:18	61:9, 61:12, 61:15,	42:10, 70:15, 79:4	46:16, 47:22, 57:18,
	follow [7] - 43:22,	61:18, 61:19, 61:20,		76:13, 78:17
36:3, 39:12		0.40 00.44 00.00	Hanson's [1] - 43:23	Informatification 20.40
36:3, 39:12 extra [1] - 6:2	49:4, 71:12, 71:14,	62:12, 62:14, 62:23,		identifies [2] - 32:10,
	49:4, 71:12, 71:14, 79:23, 80:21, 82:23	62:12, 62:14, 62:23, 62:25, 63:1	happy [1] - 80:14 Harrisburg [2] - 51:5,	33:7

 $\langle \rangle$ 

33:22, 34:9, 50:21,	intend (1] - 24:22	67:10	LAWS [1] - 1:6	62:15, 62:16, 64:13,
51.7, 54:10, 54:14	intended [2] - 32:18,		lawyer [3] - 6:7, 45:11,	64:15, 64:17, 65:10,
57:17, 75:8	41:14	K	60:4	65:17, 66:12, 66:19,
important [2] - 15:24,	intent [2] - 22:11,		lay [1] - 21:2	67:3, 70:1, 70:2,
17:2	23:20	bidding (r. 70-04	layer [1] - 75:1	70:3, 70:4, 70:6,
impose [1] - 58:5	intention [1] - 24:17	kidding [1] - 78:21	least [2] - 82:13, 83:10	70:10, 74:6, 74:7,
imposed [2] - 27:17,	interested [1] - 27:7	kind [4] - 15:12, 22:2,	leave [3] - 17:8, 34:21,	74:8, 74:17, 75:19,
58:5	interpretation [2] -	24:5, 25:4	82:18	75:20, 75:24, 76:8,
impugn [1] ~ 79:19	74:4, 75:17	knowledge [1] - 24:9	leaving [1] - 82:19	76:9, 76:11, 76:13,
<b>IN</b> [1] - 1:4	Interpretation [2] -	known [1] - 72:15	led [1] - 28:11	76:14, 77:14
inaccuracies [1] -	3:4, 3:4	Koenecke [24] - 1:17,	left [4] - 6:14, 17:24,	line's [1] - 76:17
19:23	interpreted [2] - 77:2,	2:9, 2:12, 2:14, 6:5,	21:25, 61:17	lineman [1] - 50:10
inadvertent [2] - 24:1	77:15	6:7, 7:10, 11:7,	left-hand [1] - 61:17	línes [31] - 3:5, 14:23,
31:17	interrupt [1] - 60:23	13:19, 36:18, 41:21,	leftmost [1] - 22:21	15:9, 15:11, 15:17,
inappropriate [1] -	Interstate [1] - 51:1	42:6, 44:25, 45:11,		16:2, 17:22, 22:23,
40:15	introduce [1] - 6:10	48:9, 49:4, 49:10,	legal [12] - 10:3,	25:7, 25:10, 25:13,
include (3) - 34:15,		59:23, 60:3, 68:9,	15:17, 16:4, 16:9,	25:21, 27:1, 42:23,
73:11, 73:20	introduction [1] - 6:13	78:24, 80:6, 82:2,	37:9, 37:24, 77:1,	43:10, 50:5, 56:7,
included [5] - 10:6,	introductory [2] -	83:10	77:6, 78:1, 78:4,	
	29:18, 30:16	KOENECKE [38] - 6:6,	78:13, 78:14	56:8, 56:11, 57:14,
30:3, 39:3, 48:11, 73:12	invested [1] - 26:22	6:12, 7:8, 7:12, 7:16,	legislature [1] - 83:9	58:9, 58:10, 58:12,
	involved [12] - 14:15,	8:7, 8:10, 9:9, 10:9,	length [1] - 13:17	59:1, 66:21, 67:25,
includes [1] - 80:15	18:9, 19:11, 24:13,	10:15, 10:21, 10:24,	less [2] - 13:18, 69:25	71:4, 76:6, 77:23
inconsistent [1] -	28:11, 31:7, 35:2,	11:5, 11:9, 11:13,	letter [6] - 19:5, 30:16,	listed [2] - 48:14, 60:9
23:21	36:5, 48:23, 59:17,	13:24, 27:20, 42:7,	31:9, 39:1, 39:3,	literal [1] - 76:8
incorporated [2] - 4:5,	68:16, 80:25	44:1, 44:18, 44:21,	41:9	litigation (1) - 14:20
29:13	involvement [3] -	45:1, 45:5, 45:9,	letters [1] - 60:14	located [1] - 74:6
INCORPORATED [1] -	19:3, 51:18, 51:22	47:23, 49:5, 49:11,	lied (1) - 15:8	location [2] - 8:18,
1:6	issue [4] - 7:22, 12:15,		life [2] - 82:4, 83:23	33:7
incorporates [2] -	39:20, 39:21	59:24, 60:2, 67:14,	likely [1] - 63:22	locations [1] - 12:17
30:8, 76:2	issued [2] - 4:14,	78:25, 80:7, 80:9,	likewise (1) - 62:3	look [15] - 13:10,
incorporating [1] -	29:12	80:12, 81:15, 82:3,	Lincoln [9] - 7:19,	19:13, 32:23, 34:5,
29:9	issues [1] - 4:15	82:10, 82:25		34:6, 37:1, 40:24,
incurred [1] ~ 59:14	item [10] - 32:23, 33:5,	Kristie [1] - 4:11	13:14, 14:11, 17:16,	41:2, 41:3, 57:6,
indicate [1] - 62:4	33:17, 34:10, 53:20,	KRISTIE [1] - 1:12	46:4, 50:17, 62:25,	62:24, 63:11, 65:14,
indicated [1] - 35:2	54:3, 55:21, 56:3,	<b>kv</b> [1] - 25:9	63:4, 73:9	65:15, 78:11
indicates [2] - 29:19,	56:14, 56:16		line [112] - 17:25, 18:1,	looked [1] - 52:22
69:8	1	L	18:21, 19:19, 19:25,	looking [11] - 20:23,
indicating) [5] - 51:12,	items [1] - 30:3		20:4, 20:11, 20:14,	
nuicaung) [5] - 51:12,				22 5 26 10 50 10
		-	20:18, 20:19, 20:20,	23:5, 36:19, 52:18,
54:17, 56:15, 57:19,	J	label (1] - 9:24	20:18, 20:19, 20:20, 20:21, 20:22, 21:2,	60:7, 60:8, 62:4,
54:17, 56:15, 57:19, 65:8	J	labeled [2] - 15:21,	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10,
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8		1	20:18, 20:19, 20:20, 20:21, 20:22, 21:2,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19	Jackson [1] - 6:17	labeled [2] - 15:21,	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 <b>looks</b> [4] - <b>41</b> :1, 41:6,
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19	Jackson [1] - 6:17 James [2] - 11:9,	labeled [2] - 15:21, 42:24	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 Iooks [4] - 41:1, 41:6, 57:23, 76:17
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19	Jackson [1] - 6:17 James [2] - 11:9, 11:16	labeled [2] - 15:21, 42:24 labels [2] - 75:2	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 <b>looks</b> [4] - <b>41</b> :1, 41:6,
54:17, 56:15, 57:19, 65:8 ndication (1) - 84:8 nference (1) - 23:19 nformation (7) - 9:23,	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12,	labeled [2] - 15:21, 42:24 labels [2] - 75:2 ladies [1] - 4:1	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 Iooks [4] - 41:1, 41:6, 57:23, 76:17
54:17, 56:15, 57:19, 65:8 indication [1] - 84:8 inference [1] - 23:19 information [7] - 9:23, 43:2, 43:4, 46:12, 72:14, 79:9, 79:20	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4,	labeled [2] - 15:21, 42:24 labels [2] - 75:2 ladies [1] - 4:1 laid [2] - 7:22, 15:6	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 Iooks [4] - 41:1, 41:6, 57:23, 76:17
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19 nformation [7] - 9:23, 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative [1] - 78:12	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16	labeled [2] - 15:21, 42:24 labels [2] - 75:2 ladies [1] - 4:1 laid [2] - 7:22, 15:6 land (3] - 51:18, 68:1, 69:15	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 Iooks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19 nformation [7] - 9:23, 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative [1] - 78:12	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5	Iabeled [2] - 15:21,         42:24         Iabels [2] - 75:2         Iadies [1] - 4:1         Iaid [2] - 7:22, 15:6         Iand [3] - 51:18, 68:1,         69:15         Ianguage [8] - 16:11,	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 Iooks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19 nformation [7] - 9:23, 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative [1] - 78:12 nformed [2] ~ 66:18, 66:25	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16	Iabeled [2] - 15:21,         42:24         Iabels [2] - 75:2         Iadies [1] - 4:1         Iaid [2] - 7:22, 15:6         Iand [3] - 51:18, 68:1,         69:15         Ianguage [8] - 16:11,         29:1, 29:19, 30:3,	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 Iooks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17
54:17, 56:15, 57:19, 65:8 ndication [1] - 84:8 nference [1] - 23:19 nformation [7] - 9:23, 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative [1] - 78:12 nformed [2] ~ 66:18, 66:25 nfrastructure [2] -	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5	Iabeled [2] - 15:21,         42:24         Iabels [2] - 75:2         Iadies [1] - 4:1         Iaid [2] - 7:22, 15:6         Iand [3] - 51:18, 68:1,         69:15         Ianguage [8] - 16:11,         29:1, 29:19, 30:3,         30:6, 30:7, 54:18,	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [1] - 58:11
$\begin{array}{l} 54:17,\ 56:15,\ 57:19,\\ 65:8\\ ndication\ [1]-84:8\\ nference\ [1]-23:19\\ nformation\ [7]-9:23,\\ 43:2,\ 43:4,\ 46:12,\\ 72:14,\ 79:9,\ 79:20\\ nformative\ [1]-78:12\\ nformative\ [1]-78:12\\ nformed\ [2]-66:18,\\ 66:25\\ nfrastructure\ [2]-\\ 58:18,\ 59:9\\ \end{array}$	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5 John [2] - 1:14, 5:11	Iabeled [2] - 15:21,         42:24         Iabels [2] - 75:2         Iadies [1] - 4:1         Iaid [2] - 7:22, 15:6         Iand [3] - 51:18, 68:1,         69:15         Ianguage [8] - 16:11,         29:1, 29:19, 30:3,         30:6, 30:7, 54:18,         54:21	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [4] - 58:11 maintaining [1] -
54:17, 56:15, 57:19, 65:8 ndication $[1] - 84:8$ nference $[1] - 23:19$ nformation $[7] - 9:23$ , 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative $[1] - 78:12$ nformed $[2] - 66:18$ , 66:25 nfrastructure $[2] -$ 58:18, 59:9 nitial $[3] - 69:7, 81:11$ ,	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8	Iabeled [2] - 15:21,         42:24         Iabels [2] - 75:2         Iadies [1] - 4:1         Iaid [2] - 7:22, 15:6         Iand [3] - 51:18, 68:1,         69:15         Ianguage [8] - 16:11,         29:1, 29:19, 30:3,         30:6, 30:7, 54:18,         54:21         Iarge [1] - 7:16	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [1] - 58:11
54:17, 56:15, 57:19, 65:8 ndication $[1] - 84:8$ nference $[1] - 23:19$ nformation $[7] - 9:23$ , 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative $[1] - 78:12$ nformed $[2] - 66:18$ , 66:25 nfrastructure $[2] - 58:18$ , 59:9 nitial $[3] - 69:7$ , 81:11, 82:23	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11,	labeled [2] - 15:21, 42:24 labels [2] - 75:2 ladies [1] - 4:1 laid [2] - 7:22, 15:6 land [3] - 51:18, 68:1, 69:15 language [8] - 16:11, 29:1, 29:19, 30:3, 30:6, 30:7, 54:18, 54:21 large [1] - 7:16 Larry [1] - 21:16	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [4] - 58:11 maintaining [1] -
$54:17, 56:15, 57:19, \\65:8 \\ indication [1] - 84:8 \\ inference [1] - 23:19 \\ nformation [7] - 9:23, \\43:2, 43:4, 46:12, \\72:14, 79:9, 79:20 \\ nformative [1] - 78:12 \\ nformed [2] ~ 66:18, \\66:25 \\ nfrastructure [2] - \\58:18, 59:9 \\ nitial [3] - 69:7, 81:11, \\82:23 \\ nquired [1] - 80:20 \\ \end{cases}$	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [1] - 58:11 maintaining [1] - 35:20
$54:17, 56:15, 57:19, \\65:8 \\ ndication [1] - 84:8 \\ nference [1] - 23:19 \\ nformation [7] - 9:23, \\43:2, 43:4, 46:12, \\72:14, 79:9, 79:20 \\ nformative [1] - 78:12 \\ nformed [2] - 66:18, \\66:25 \\ nfrastructure [2] - \\58:18, 59:9 \\ nitial [3] - 69:7, 81:11, \\82:23 \\ nquired [1] - 80:20 \\ nstall [2] - 26:3, 58:18 \\ \end{array}$	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3 Joint [1] - 3:7	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19, 41:22, 42:1, 42:15,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [1] - 58:11 maintaining [1] - 35:20 maintenance [1] -
54:17, 56:15, 57:19, 65:8 indication [1] - 84:8 inference [1] - 23:19 nformation [7] - 9:23, 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative [1] - 78:12 nformed [2] $\sim$ 66:18, 66:25 nfrastructure [2] - 58:18, 59:9 nitial [3] - 69:7, 81:11, 82:23 nquired [1] - 80:20 nstall [2] - 26:3, 58:18 nstallation [1] - 8:23	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 Job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3 Joint [1] - 3:7 journeyman [1] -	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19, 41:22, 42:1, 42:15, 42:24, 42:25, 46:20,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [1] - 58:11 maintaining [1] - 35:20 maintenance [1] - 50:4
54:17, 56:15, 57:19, 65:8 ndication $[1] - 84:8$ nference $[1] - 23:19$ nformation $[7] - 9:23$ , 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative $[1] - 78:12$ nformed $[2] - 66:18$ , 66:25 nfrastructure $[2] - 58:18$ , 59:9 nitial $[3] - 69:7$ , 81:11, 82:23 nquired $[1] - 80:20$ nstall $[2] - 26:3$ , 58:18 nstallation $[1] - 8:23$ nstalled $[3] - 26:9$ ,	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 Job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3 Joint [1] - 3:7 journeyman [1] - 50:10	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19, 41:22, 42:1, 42:15, 42:24, 42:25, 46:20, 46:21, 47:3, 48:9,	60:7, 60:8, 62:4, 67:19, 69:16, 77:10, 79:6 looks [4] - 41:1, 41:6, 57:23, 76:17 Lynn [1] - 6:17 Magic [2] - 56:5, 57:17 main [1] - 58:11 maintaining [1] - 35:20 maintenance [1] - 50:4 major [1] - 51:7
54:17, 56:15, 57:19, 65:8 indication $[1] - 84:8$ inference $[1] - 23:19$ nformation $[7] - 9:23$ , 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative $[1] - 78:12$ nformed $[2] - 66:18$ , 66:25 nfrastructure $[2] - 58:18$ , 59:9 nitial $[3] - 69:7$ , 81:11, 82:23 nquired $[1] - 80:20$ nstall $[2] - 26:3$ , 58:18 nstallation $[1] - 8:23$ nstalled $[3] - 26:9$ , 59:9, 59:10	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 Job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3 Joint [1] - 3:7 journeyman [1] - 50:10 JSA [7] - 56:24, 60:6,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19, 41:22, 42:1, 42:15, 42:24, 42:25, 46:20, 46:21, 47:3, 48:9, 48:14, 52:16, 54:7,	$\begin{array}{c} 60:7,\ 60:8,\ 62:4,\\ 67:19,\ 69:16,\ 77:10,\\ 79:6\\ \hline looks\ [4]-\ 41:1,\ 41:6,\\ 57:23,\ 76:17\\ \hline Lynn\ [1]-\ 6:17\\ \hline \\ \hline$
54:17, 56:15, 57:19, 65:8 indication $[1] - 84:8$ inference $[1] - 23:19$ information $[7] - 9:23$ , 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformative $[1] - 78:12$ nformed $[2] - 66:18$ , 66:25 nfrastructure $[2] - 58:18$ , 59:9 nitial $[3] - 69:7$ , 81:11, 82:23 nquired $[1] - 80:20$ nstall $[2] - 26:3$ , 58:18 nstallation $[1] - 8:23$ nstalled $[3] - 26:9$ , 59:9, 59:10 nstance $[3] - 16:23$ ,	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3 Joint [1] - 3:7 journeyman [1] - 50:10 JSA [7] - 56:24, 60:6, 67:25, 69:13, 71:2,	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19, 41:22, 42:1, 42:15, 42:24, 42:25, 46:20, 46:21, 47:3, 48:9, 48:14, 52:16, 54:7, 55:15, 55:17, 56:8,	$\begin{array}{c} 60:7,\ 60:8,\ 62:4,\\ 67:19,\ 69:16,\ 77:10,\\ 79:6\\ \hline looks\ [4]-41:1,\ 41:6,\\ 57:23,\ 76:17\\ \hline Lynn\ [1]-6:17\\ \hline \\ \hline$
54:17, 56:15, 57:19, 65:8 indication $[1] - 84:8$ inference $[1] - 23:19$ information $[7] - 9:23$ , 43:2, 43:4, 46:12, 72:14, 79:9, 79:20 nformed $[2] - 66:18$ , 66:25 nfrastructure $[2] - 58:18$ , 59:9 nitial $[3] - 69:7$ , 81:11, 82:23 nquired $[1] - 80:20$ nstall $[2] - 26:3$ , 58:18 nstallation $[1] - 8:23$ nstalled $[3] - 26:9$ , 59:9, 59:10	Jackson [1] - 6:17 James [2] - 11:9, 11:16 Jim [8] - 2:9, 6:12, 13:4, 16:16, 17:4, 19:13, 19:21, 36:16 Job [1] - 12:5 John [2] - 1:14, 5:11 join [1] - 56:8 joint [7] - 8:22, 23:11, 32:23, 47:18, 53:20, 55:9, 64:3 Joint [1] - 3:7 journeyman [1] - 50:10 JSA [7] - 56:24, 60:6,	$\labeled [2] - 15:21, \\ 42:24 \\ \mbox{labels} [2] - 75:2 \\ \mbox{ladels} [1] - 4:1 \\ \mbox{ladels} [1] - 4:1 \\ \mbox{ladels} [2] - 7:22, 15:6 \\ \mbox{land} [3] - 51:18, 68:1, \\ 69:15 \\ \mbox{language} [8] - 16:11, \\ 29:1, 29:19, 30:3, \\ 30:6, 30:7, 54:18, \\ 54:21 \\ \mbox{large} [1] - 7:16 \\ \mbox{Larry} [1] - 21:16 \\ \mbox{large} [1] - 24:12, 37:2, \\ 58:6, 71:4 \\ \mbox{late} [1] - 51:19 \\ \mbox{latel} [1] - 34:7 \\ \mbox{latter} [1] - 82:13 \\ \label{eq:second} \end{tabular}$	20:18, 20:19, 20:20, 20:21, 20:22, 21:2, 21:4, 21:9, 22:7, 22:8, 22:9, 22:11, 22:12, 22:20, 22:24, 22:25, 23:1, 24:5, 25:9, 25:19, 26:13, 27:16, 30:17, 30:19, 30:24, 31:10, 31:21, 32:24, 33:7, 35:23, 36:8, 37:4, 37:13, 37:18, 39:14, 39:17, 40:2, 40:4, 40:9, 40:12, 40:15, 40:16, 41:3, 41:8, 41:12, 41:15, 41:18, 41:19, 41:22, 42:1, 42:15, 42:24, 42:25, 46:20, 46:21, 47:3, 48:9, 48:14, 52:16, 54:7,	$\begin{array}{c} 60:7,\ 60:8,\ 62:4,\\ 67:19,\ 69:16,\ 77:10,\\ 79:6\\ \hline looks\ [4]-\ 41:1,\ 41:6,\\ 57:23,\ 76:17\\ \hline Lynn\ [1]-\ 6:17\\ \hline \\ \hline$

			·	······································
47:14, 47:21, 50:2,	72:18, 72:22, 72:25,	75:20, 76:8, 76:9,	44:18, 44:20, 44:21,	25:11
50:12, 50:13	73:12, 75:13, 76:2,	77:14, 77:17, 78:16	44:23, 45:1, 45:3,	neighboring [1] -
map [141] - 8:17, 8:21,	79:7, 79:10, 79:15	miles [1] - 18:17	45:5, 45:9, 47:23,	15:14
8:23, 9:3, 10:5, 13:8,	Marion [1] - 45:20	mind (5) - 22:5, 24:6,	48:1, 48:2, 48:3	neighbors [1] - 21:4
13:15, 15:13, 16:9,	mark [1] ~ 31:17	27:6, 34:17, 81:8	48:4, 48:5, 48:6,	NELSON [7] - 1:12,
16:14, 16:19, 16:21,	marked [7] - 3:18,	Minnesota [1] - 12:4	48:8, 49:1, 49:2,	43:18, 69:6, 69:12,
16:24, 16:25, 17:13,	3:18, 3:19, 7:16,	minute [2] - 10:14,	49:5, 49:6, 49:9,	69:19, 70:5, 70:12
17:20, 17:22, 18:4,	8:20, 12:9, 72:21	71:21	49:11, 49:12, 49:14,	Nelson [3] - 4:11,
18:21, 20:14, 20:23,	marker [2] - 54:13,	minutes [2] - 44:5,	49:15, 49:16, 49:19,	43:17, 69:5
21:12, 21:24, 24:4,	58:4	45:2	53:15, 59:20, 59:22,	never [2] - 40:3, 66:25
24:5, 24:6, 24:7,	Marker [2] - 56:5.	misreading [1] - 16:15	59:24, 60:2, 67:13,	new [6] - 15:19, 29:4
24:19, 25:4, 25:5,	57:17	mistake [14] - 20:16,	67:14, 67:15, 67:16,	30:13, 41:10, 41:17,
25:21, 26:4, 30:7,	marriage [1] - 83:19	20:17, 20:21, 24:2,	67:18, 68:25, 69:1,	41:18
30:13, 31:2, 31:3,	Martin [2] - 15:4, 16:2	32:21, 35:23, 36:1,	69:2, 69:3, 70:14,	next [4] - 7:22, 20:8,
31:8, 31:9, 31:17,	match [1] - 38:3	36:3, 36:6, 36:7,	71:11, 71:14, 71:15,	57:8, 80:17
31:18, 31:20, 32:7,	MATTER [1] - 1:4	39:15, 40:12, 40:21,	71:18, 71:19, 71:20,	none [1] - 49:4
32:10, 32:13, 32:20,	matter [4] - 2:2, 4:2,	59:6	71:21, 71:25, 72:4,	nonetheless [1] - 6:13
33:22, 33:23, 33:24,	18:17, 85:10	mistaken [2] - 55:23,	78:22, 78:23, 78:25,	normal [1] - 13:20
34:8, 34:12, 34:15,		55:25	79:1, 79:2, 79:3,	north [30] - 13:17,
34:19, 34:24, 37:25,	matters [4] - 5:15, 7:1,		79:22, 79:25, 80:1,	
39:13, 40:5, 40:23,	11:4, 81:20	mistakes [1] - 19:23	80:4, 80:5, 80:7,	18:22, 19:20, 20:1,
40:24, 41:23, 42:21,	MBA [1] - 12:3	misunderstood [1] -	80:8, 80:9, 80:10,	20:5, 22:12, 22:20,
43:12, 43:13, 48:10,	MCCOMSEY [1] - 85:5	44:23	80:12, 80:13, 80:14,	22:22, 22:25, 23:1,
48:11, 48:16, 48:23,	McComsey [2] - 1:23,	modification [2] -	80:15, 81:15, 81:17,	23:9, 33:8, 33:18,
50:19, 50:25, 51:1,	85:18	33:10, 33:12	81:19, 81:22, 81:24,	37:16, 37:18, 53:22,
52:21, 52:24, 52:25,	McCook [1] - 46:5	modified [4] - 40:3,	82:1, 82:2, 82:3,	54:6, 55:11, 56:17,
53:5, 53:7, 53:10,	mean [7] - 25:19,	41:9, 76:23, 76:25	82:7, 82:10, 82:12,	61:4, 61:8, 62:7,
53:11, 54:5, 54:10,	39:17, 50:3, 64:16,	modify [1] - 33:15	82:16, 82:18, 82:19,	65:19, 65:20, 68:19,
54:18, 55:17, 56:23,	70:17, 76:24, 83:4	money [1] - 26:22	82:21, 82:25, 83:2,	75:20, 76:9, 77:14,
57:2, 57:12, 57:14,	meaning [2] - 55:10,	months [1] - 72:11	83:4, 83:6, 83:8,	77:19, 78:16
57:25, 58:1, 58:8,	70:23	most [4] - 7:13, 13:11,	83:12, 83:14, 83:18,	northeast [7] - 23:7,
	means [1] - 56:3	52:21, 81:20	83:21, 83:23, 83:25,	53:21, 60:21, 62:18,
58:20, 61:24, 62:21,	meant [5] - 41:7,	mouth [2] - 28:3, 77:5	84:7, 84:8	63:2, 77:18, 78:8
65:16, 65:17, 65:23,	48:15, 54:21, 66:3,	move [4] - 7:13, 18:24,		northern (4) - 13:13,
65:24, 65:25, 66:1,	83:5	73:14, 80:17	mutual [1] - 21:8	17:15, 27:1, 37:13
66:23, 66:24, 68:2,	measure [1] - 17:25	moved [1] - 42:1	mutually [2] - 16:12,	NORTHERN [1] - 1:4
68:13, 69:13, 69:17,	measurement [1] -	MR [178] - 5:21, 5:23,	16:18	Northern [2] - 4:3,
69:20, 69:22, 69:23,	35:6	6:6, 6:9, 6:12, 6:15,	<b>K</b> I	14:10
69:24, 71:4, 71:5,	measurements [1] -	6:16, 6:21, 6:23,	N	northwest [3] - 60:19,
72:15, 73:9, 73:11,	31:25	6:25, 7:7, 7:8, 7:9,		62:5, 75:11
73:12, 73:15, 73:16,	members (1) - 50:5	7:12, 7:15, 7:16, 8:3,	name [8] - 6:6, 11:15,	NOS [3] - 3:2, 3:8,
73:17, 73:18, 73:23,	mentioned [1] - 80:18	8:4, 8:5, 8:6, 8:7,	45:10, 45:16, 49:20,	3:12
74:15, 74:24, 74:25,	merged [2] - 15:7,	8:8, 8:10, 8:12, 8:15,	60:3, 72:5, 73:2	Notary [2] - 85:7,
75:15, 76:1, 76:6,	46:4	9:6, 9:8, 9:9, 9:10,	named [1] - 66:10	85:18
76:12, 76:14, 76:22,	met [1] - 45:12	9:11, 9:13, 9:15,		nothing [3] - 23:17,
77:3, 77:10, 77:16,	mic [4] - 13:5, 28:2,	9:19, 10:7, 10:9,	narrative [1] - 34:23	27:20, 42:7
77:20, 77:23, 78:5,		10:10, 10:11, 10:15,	nature [1] - 5:12	Notice [1] - 4:14
78:7, 79:6, 79:8,	34:3, 34:4 Mic (1) - 48:5	10:16, 10:19, 10:21,	near [1] - 30:17	noticed [2] - 4:13,
79:13	Mic [1] - 48:5	10:22, 10:24, 11:1,	necessarily (1) - 38:18	74:11
/lap [7] - 3:3, 3:10,	middle [3] - 17:21,	11:2, 11:5, 11:6,	need [3] - 36:17,	November [1] - 85:14
3:10, 3:13, 3:13,	19:15, 29:19	11:9, 11:13, 13:2,	71:21, 82:8	number [3] - 14:20,
3:14, 3:15	might [8] - 16:8, 31:5,	13:4, 13:24, 14:1,	needed [2] - 6:13,	62:25, 82:9
nap's [1] - 36:22	36:3, 38:10, 61:25,	27:20, 27:22, 27:23,	59:1	
naps [36] - 7:20, 9:21,	63:5, 66:15, 82:9	28:2, 28:5, 28:6,	negotiate [1] - 19:7	numbered [1] - 19:14
	mile [29] - 13:12,	28:7, 28:9, 36:10,	negotiated (2) - 35:15,	numbers (1) - 65:4
9:22, 9:24, 14:23,			52:9	····
	13:16, 13:18, 17:17,		02.0	
9:22, 9:24, 14:23, 15:3, 15:6, 15:11,		36:11, 36:13, 36:15,	negotiating [3] -	0
9:22, 9:24, 14:23,	13:16, 13:18, 17:17,	36:11, 36:13, 36:15, 42:5, 42:6, 42:7,		0
9:22, 9:24, 14:23, 15:3, 15:6, 15:11, 15:16, 16:2, 16:4,	13:16, 13:18, 17:17, 19:20, 20:1, 20:5,	36:11, 36:13, 36:15, 42:5, 42:6, 42:7, 42:8, 43:16, 43:19,	negotiating [3] -	<u> </u>
9:22, 9:24, 14:23, 15:3, 15:6, 15:11, 15:16, 16:2, 16:4, 16:23, 20:4, 33:14, 36:21, 36:23, 43:10,	13:16, 13:18, 17:17, 19:20, 20:1, 20:5, 22:12, 23:7, 33:8,	36:11, 36:13, 36:15, 42:5, 42:6, 42:7, 42:8, 43:16, 43:19, 43:21, 43:24, 43:25,	negotiating [3] - 19:12, 38:25, 48:22 negotiations [5] -	o'clock [1] - 2:5
9:22, 9:24, 14:23, 15:3, 15:6, 15:11, 15:16, 16:2, 16:4, 16:23, 20:4, 33:14,	13:16, 13:18, 17:17, 19:20, 20:1, 20:5, 22:12, 23:7, 33:8, 33:18, 35:6, 37:17,	36:11, 36:13, 36:15, 42:5, 42:6, 42:7, 42:8, 43:16, 43:19,	negotiating [3] - 19:12, 38:25, 48:22	<u> </u>

n in St. Ng geografi

10:10, 84:3	21:16, 47:14, 47:20,	64:8, 65:7, 74:14,	phase [2] - 25:9, 58:11	63:23
objections [1] - 84:2	50:2, 50:12, 50:13	76:14, 77:7	phone [1] - 82:5	prepare [4] - 26:2,
obtain [2] - 4:24, 5:1	oral [1] - 80:22	PAGE [1] - 2:8	phrased [1] - 39:18	43:8, 43:9, 47:15
occasions [2] - 32:20,	orange [1] - 26:18	Pam [12] - 19:10, 31:6,	pick [2] - 21:20, 57:20	prepared [7] - 21:25,
34:24	order [8] - 4:13, 4:16,	36:1, 39:6, 39:7,	picket [1] - 17:10	24:25, 31:2, 31:3,
occupation [1] - 72:9	4:19, 7:11, 58:25,	39:23, 42:14, 42:25,	pictured [1] - 21:12	31:7, 43:13, 67:25
occur [1] - 81:12	64:24, 75:2, 77:2	46:25, 52:1, 52:11,	Pierre [3] - 2:3, 4:9,	preparing [2] - 25:15,
occurred [3] - 7:3,	Order [16] - 3:7, 3:14,	54:23	6:7	26:6
28:18, 51:19	4:22, 4:24, 5:1, 5:2,	paragraph (5) - 16:16,	pile [1] - 81:7	presented [1] - 52:24
October [1] - 28:12	9:1, 10:4, 29:8, 29:9,	29:18, 36:23, 36:24,	pink [1] - 57:21	president [1] - 21:16
OF [7] - 1:2, 1:4, 1:6,	29:12, 58:16, 59:15,	69:8	pipes (1) - 26:18	presiding [1] - 4:12
2:1, 85:1, 85:3	68:9, 68:11, 68:18	parailel [1] - 75:9	place [7] - 36:9, 39:17,	pretty [4] - 28:4,
offered [1] - 40:25	organizations (1) -	parcels [1] - 20:25	42:3, 42:15, 64:18,	59:10, 59:11, 82:20
offering [2] - 9:6, 9:19	14:13	pardon [3] - 5:21,	64:22, 75:11	prevailed [1] - 18:23
office [4] - 19:10,	organized [1] - 71:22	44:20, 55:3	placed [1] - 77:22	previous [1] - 76:2
39:8, 49:22, 52:12	orient [1] - 8:17	parking [1] - 6:2	placement [1] - 40:15	previously [1] - 80:19
Official [1] - 3:9	orientation [2] -	part [14] - 5:24, 6:24,	plan [1] - 52:13	principle [1] - 17:2
official [2] - 7:20, 65:9	50:21, 50:24	8:21, 9:19, 16:5,	planned [1] - 24:25	privy [1] - 43:4
once [3] - 27:15,	oriented [1] - 51:9	25:2, 25:12, 27:1,	planning (3) - 25:15,	problem [1] - 82:11
82:20, 83:9	origin [1] - 69:19	38:24, 53:19, 53:25,	26:2, 27:3	problematic [1] -
one [60] - 11:3, 18:19,	original [4] - 24:7	61:12, 62:10, 82:13	playing [1] - 78:20	83:11
19:20, 20:1, 20:5,	34:19, 73:8, 76:13	particular [3] - 15:13,		problems [2] - 14:18,
23:7, 26:3, 28:23,	originals [1] - 14:1	54:3, 69:16	plotted [2] - 63:4, 63:6	20:6
33:8, 33:18, 35:6,	Osthus (9) - 19:10,	particulars [2] - 19:7,	plotting [1] - 62:23	procedural [1] - 5:15
37:17, 40:8, 40:14,	31:6, 36:1, 39:6,	39:25	point [34] - 28:20,	proceed [12] - 6:2,
	39:7, 39:23, 42:14,	parties [10] - 6:4, 7:4,	33:18, 37:17, 37:19,	7:11, 8:12, 9:18,
41:1, 47:13, 48:4,	46:25, 52:1	10:25, 16:7, 16:13,	38:2, 38:7, 38:8,	
48:6, 50:15, 53:11,	outset [1] - 7:11	16:19, 20:16, 36:2,	38:13, 40:9, 47:11,	10:20, 11:7, 33:18,
53:13, 53:14, 53:21,	1	80:21, 84:5	48:21, 50:22, 51:15,	33:21, 45:3, 71:23,
55:11, 57:8, 57:9,	overhead [1] - 25:9	parts [2] - 68:3, 70:8	54:16, 55:7, 55:10,	80:6, 80:7
57:10, 57:16, 57:20,	overlaid [1] - 61:7		56:12, 56:15, 56:16,	proceeding (4) - 5:6,
57:23, 60:13, 60:16,	overlay [2] - 41:10,	past [3] - 21:6, 31:22,	70:17, 70:21, 70:22,	12:15, 33:17, 84:6
61:12, 61:24, 62:7,	73:24	32:13 Baulan 49:4	70:24, 71:1, 71:7,	Proceedings [1] - 1:8
62:8, 63:2, 63:3,	override [1] - 36:23	Paul [1] - 12:4	75:3, 75:20, 77:12,	proceedings (2) -
64:9, 64:10, 65:2,	overrule [1] - 5:16	pause [1] - 10:14	77:17, 77:25, 78:8,	85:9, 85:12
65:3, 65:6, 65:7,	overruled [1] - 5:17	Pedersen [10] - 1:15,	78:9, 78:17	PROCEEDINGS [1] -
73:23, 74:16, 75:20,	oversaw [1] - 39:15	2:16, 6:24, 72:1,	points [1] - 35:6	2:1
76:3, 76:8, 76:20,	oversight[1] - 5:14	72:5, 72:7, 72:8,	portion [3] - 25:16,	professional [1] - 68:1
77:4, 77:14, 77:17,	overview [1] - 13:8	74:10, 79:5, 80:2	25:18, 80:16	Professional [2] -
78:16, 82:12, 82:24,	Oxford [6] - 3:10,	pending [1] - 81:21	position [4] - 40:11,	85:6, 85:19
83:16	52:2, 53:12, 55:16,	peopie [2] - 5:9, 35:17	46:20, 50:1, 50:6	program (5) - 50:10,
n <b>e-fourth</b> [6] - 60:13,	69:9, 69:15	percent [1] - 35:8	Post [1] - 3:6	50:16, 73:19, 73:21,
60:16, 62:7, 62:8,		person (1) - 66:9	post [4] - 74:5, 75:18,	75:1
63:2, 63:3	P	PETERSON [31] -	76:1, 76:22	proof [1] - 17:1
ne-half [15] - 19:20,		6:16, 7:7, 8:3, 8:15,	posthearing [1] - 84:1	proper [1] - 21:9
20:1, 20:5, 23:7,		9:8, 9:13, 10:10,	potential [2] - 67:1,	property [2] - 20:25,
33:8, 33:18, 35:6,	P-E-D-E-R-S-E-N [1] -	11:1, 27:23, 28:5,	67:2	21:11
53:21, 55:11, 75:20,	72:7	28:7, 28:9, 36:10,	POWER [1] - 1:4	proposal [2] - 53:20,
76:8, 77:14, 77:17,	<b>p.m</b> [3] - 2:5, 4:7,	43:24, 44:17, 48:2,	Power [2] - 4:3, 14:10	57:3
78:16	84:11	49:14, 49:16, 49:19,	power [1] - 25:9	proposed [1] - 47:4
ne-quarter [1] -	page [37] - 16:1, 16:7,	59:20, 69:2, 71:14,	precedence [1] - 79:8	Proposed [1] - 3:13
37:17	16:10, 19:13, 19:15,	71:18, 79:2, 80:14,	precedent [1] - 18:24	provide [6] - 5:14,
ngoing [1] - 15:18	20:8, 20:9, 21:14,	81:22, 82:1, 83:2,	predecessor [1] -	24:23, 25:1, 26:2,
nida [1] - 85:13	21:19, 23:6, 23:22,	83:6, 83:12, 84:7	11:24	31:24, 67:4
p [10] - 13:10, 14:12,	29:15, 29:23, 30:1,	Peterson [19] - 1:18,		provided [8] - 15:6,
15:23, 17:18, 17:20	30:3, 30:10, 30:23,	2:10, 2:12, 2:14,	prefer [1] - 80:21	16:11, 67:6, 67:7,
22:6, 22:19, 27:8	33:3, 33:17, 36:24,	6:15, 6:16, 6:21,	preference [2] - 80:24,	1
30:19, 45:6	37:2, 37:7, 37:8,	8:12, 27:22, 34:2,	81:4	69:20, 69:21, 79:16,
pening [3] - 10:22,	39:13, 40:24, 42:21,	44:15, 44:19, 44:21,	prehearing [1] - 80:19	79:19
10:24, 11:2	46:10, 46:18, 47:3,	48:1, 49:13, 71:12,	preliminary (4) - 5:16,	providers [2] - 14:17,
			L E.47 7.4 44.4	14:25
perations [7] - 6:19,	47:16, 47:18, 62:15,	71:17, 80:13, 81:19	5:17, 7:1, 11:4 preparation [1] -	provisions [1] - 29:20

Public [4] - 72:10,	36:22, 37:16, 60:14,	19:4	returning [1] - 78:17	40:13, 40:16, 53:22,
72:12, 85:7, 85:18	63:4, 65:4, 65:16,	relation [1] - 72:16	review [2] - 38:21,	60:9, 61:23, 62:1,
PUBLIC [2] - 1:1, 1:11	71:8, 78:1, 78:14	relative [2] - 50:23,	46:12	62:19, 74:6, 74:7,
PUC [13] - 3:7, 3:9,	reading [2] - 5:4,	56:20	right-hand [1] - 62:3	75:19, 75:22, 75:24,
3:14, 28:21, 29:9,	77:12	relatively [1] - 20:24	righty [1] - 82:21	76:10, 76:23, 76:25,
29:12, 30:12, 31:24,	reads [2] - 23:7, 66:1			
32:8, 34:22, 58:16,		Relevant [1] - 3:5	road [2] - 52:3, 74:25	77:19, 77:24, 78:9
	ready [6] - 10:19,	relevant [1] - 76:7	role [1] - 72:12	section [34] - 13:20,
65:9, 66:2	10:21, 26:20, 71:19,	reliable [1] - 79:14	Rollie [5] - 46:25,	13:21, 17:16, 18:2,
pull [5] - 13:5, 27:8,	71:20, 80:6	reliance [2] - 58:24,	52:11, 54:23, 55:18,	18:3, 18:16, 33:15,
28:2, 53:2, 77:6	realize [1] - 45:12	59:14	57:2	33:16, 36:25, 37:14,
purposes [1] - 9:25	reaily [5] - 14:18, 17:3,	relied [2] - 43:1, 48:17	Room [1] - 2:3	37:17, 38:3, 38:8,
pursuant [4] - 4:13,	23:25, 51:13, 52:4	relief [3] - 4:24, 5:1	room [3] - 4:8, 4:9,	38:13, 40:3, 54:9,
16:13, 16:19, 56:20	Realtime [2] - 85:6,	remedy [2] - 27:5,	27:24	56:9, 62:9, 62:12,
<b>push</b> (1] - 13:5	85:19	27:10	Ross [5] - 1:15, 2:16,	68:20, 68:22, 68:24,
put [14] - 12:23, 12:25,	reason [4] - 48:24,	remember [8] - 38:19,	6:24, 72:1, 72:7	70:22, 70:24, 71:1,
19:5, 21:19, 24:20,	54:23, 55:18, 56:2	39:5, 63:17, 63:18,	ROSS [1] - 72:7	71:7, 74:7, 74:8
26:6, 32:5, 40:9,	reasonable [1] - 38:20			75:5, 75:24, 76:9,
55:2, 55:4, 59:1,	rebuttal [1] - 80:8	63:19, 64:5, 66:15,	route (2) - 80:23,	76:11
		83:8	80:25	
62:24, 71:4, 77:5	received [1] - 69:23	remembering [1] -	routinely [1] - 24:10	Sections [3] - 12:14,
~	recess [2] - 44:12,	81:14	RPR [1] - 1:23	12:21, 73:10
Q	44:14	remind [2] - 5:7, 5:9	ruler [1] - 17:25	sections [12] - 12:21,
······	recognize [2] - 32:7,	replaced [1] - 30:2	rulings [4] - 5:14,	13:11, 13:14, 13:15,
auartorian 22.0	50:19	replacement [1] -	5:16, 5:17, 5:18	13:16, 13:20, 17:15,
quarter [21] - 23:8,	recognized [1] - 5:5	29:20	run [1] - 25:7	51:4, 68:2, 68:5,
37:17, 53:22, 56:7,	recollection [2] -	reply (1) - 81:12	running [4] - 74:6,	70:20
56:8, 56:9, 56:11,	39:13, 81:6	Reported [1] - 1:23	75:9, 75:19, 76:15	see [33] - 13:3, 13:11,
60:8, 61:23, 61:25,	recommended [1] -	reporter [7] - 11:11,		13:14, 15:7, 18:4,
62:5, 62:6, 62:10,	5:14	, , ,	runs [2] - 30:19, 74:19	20:6, 20:9, 25:6,
62:12, 62:18, 67:24,	J	44:4, 45:7, 49:17,	rural [1] - 13:11	26:11, 30:23, 32:17,
70:20, 77:18, 78:9	reconvene [2] - 44:10,	72:2, 72:6, 85:9	Russell [1] - 11:16	33:22, 34:17, 41:8,
quarters [3] - 13:16,	44:13	Reporter [4] - 85:6,	Ryan (3) - 1:14, 6:23,	46:9, 60:10, 60:20,
17:17, 56:9	record [9] - 8:2, 10:18,	85:19, 85:19	82:15	1
uestioned [3] - 40:2,	11:15, 12:10, 16:17,	reporter's [1] - 82:4		60:25, 61:3, 61:5,
41:21, 67:3	23:6, 45:17, 65:5,	represent (1) - 58:10	S	61:11, 61:13, 61:22,
uestioning [1] -	81:18	representatives [1] -		61:24, 62:2, 62:11,
36:18	recreation [2] - 9:24,	69:15		63:17, 64:13, 71:8,
-	73:18	representing [2] - 6:8,	Saddlebrook [1] -	73:21, 74:17, 74:19,
uestions [29] - 15:19,	red [12] - 22:7, 22:12,	6:17	3:14	74:23
42:5, 42:9, 42:12,	22:22, 22:24, 23:1,		sat [1] - 77:23	SEE's [1] - 3:4
43:16, 43:18, 43:20,	25:10, 25:13, 27:1,	represents [3] - 56:6,	satisfactory [1] -	seeing [3] - 49:4, 84:3,
43:22, 43:23, 45:14,	54:13, 57:17, 76:11,	58:11, 76:13	27:18	84:8
48:1, 48:2, 49:2,		request [7] - 8:22,	saw [2] - 63:22, 63:25	seem [1] - 62:4
59:21, 60:4, 68:25,	77:15	23:11, 29:10, 30:8,		sense [4] - 7:13,
69:3, 70:13, 70:14,	redirect [3] - 42:6,	47:19, 58:25, 64:4	Schardin [7] - 2:11,	23:10, 38:14, 73:4
71:11, 71:13, 78:22,	69:1, 69:2	Request [1] - 3:7	6:19, 44:22, 45:5,	1
78:25, 79:1, 79:2,	reference [5] - 51:5,	reside [1] - 25:2	45:10, 45:18, 49:3	sent [2] - 48:20, 66:23
79:4, 79:22, 79:23,	53:1, 53:10, 54:19,	residence (1) - 24:23	schedule [4] - 5:22,	sentence [8] - 19:15,
79:25	55:21	resolve [1] - 21;4	81:20, 82:11, 84:1	19:21, 20:6, 21:19,
	referred [2] - 34:10,	respects [1] - 16:25	schematic [1] - 7:23	23:5, 23:10, 23:12,
uick [1] - 44:4	77:25	responding [1] - 12:6	school [1] - 50:15	23:20
uickly [1] - 5:8	referring [12] - 37:3,		SDCL [1] - 16:20	September [2] - 59:10,
uite [2] - 14:20, 26:1	38:2, 41:23, 42:18,	response [1] - 79:23	seat [3] - 51:17, 57:5,	59:12
	53:1, 53:5, 54:15,	responsibilities [1] -	58:14	series [1] - 58:8
R		12:5		serve [7] - 14:19
	68:9, 72:23, 77:7,	rest [2] - 71:18, 83:10	seated [1] - 6:14	25:13, 25:15, 26:17,
	77:8, 83:15	rested [1] - 44:19	second [4] - 34:3,	
ilroad [1] - 30:20	refers [1] - 56:16	result [1] - 15:22	37:2, 47:15, 47:18	27:1, 52:5, 66:24
inge [5] - 23:9,	reflected [1] - 73:13	resulted [2] - 14:22,	secondly [1] - 4:20	served [4] - 15:19,
	reflects [1] - 75:20	18:9	Section [33] - 13:17,	66:22, 66:23, 81:13
31:22, 37:17, 53:23,			17:24, 18:13, 22:20,	Service [1] - 3:6
31:22, 37:17, 53:23, 77:19	Registered [2] - 85:5.	rotainado (A. 47.40		
77:19	Registered [2] - 85:5, 85:19	retainage [1] - 47:10		SERVICE [1] - 1:6
		retainage (1) - 47:10 retired (1) - 19:11 return (1) - 23:17	23:8, 23:14, 23:17, 24:5, 24:6, 32:14,	SERVICE [1] - 1:6 service [23] - 4:5,

.

14:24, 15:11, 17:1,	sized [1] - 20:25	35:25, 41:24, 42:1, 42:25, 45:20, 47:2,	79:25, 80:4, 82:16, 82:19, 83:18, 83:23	statement [2] - 10:23, 1
25:1, 30:18, 47:19,	small (1) - 60:14	51:6, 61:15, 63:2,	speaking [3] - 5:10,	statements [1] - 11:2
58:25, 59:1, 59:2,	smailer [2] - 7:18,			
59:11, 59:12, 64:4,	9:13	68:19, 75:10, 75:24,	17:13, 18:13	States [2] - 4:3, 14:10
72:18, 72:19, 73:16,	<b>Smith</b> [17] - 1:14, 5:11,	76:9, 77:12	specific [2] - 34:24,	STATES [1] - 1:4
74:4, 75:17, 76:12	5:20, 6:6, 7:8, 10:21,	<b>SOUTH</b> [2] - 1:2, 85:1	53:25	states [1] - 77:17
services [1] - 24:23	11:5, 42:7, 42:11,	South [13] - 2:2, 2:4,	specifically [5] -	status [1] - 59:8
serving [2] - 27:11,	43:15, 44:18, 49:5,	4:9, 11:19, 12:3,	29:19, 73:9, 74:5,	statute [2] - 15:8,
50:5	59:24, 78:25, 80:7,	13:12, 14:17, 15:15,	75:18, 76:7	15:14
	81:15, 82:25	45:20, 49:23, 77:12,	specifies [1] - 32:24	statutes [1] - 15:1
settled [1] - 39:20		85:7, 85:13	-	
several [2] - 19:22,	SMITH [83] - 5:21,		spell [2] - 55:19, 72:5	statutory [2] - 14:14,
77:5	5:23, 6:9, 6:15, 6:21,	southeast [9] - 8:20,	spot [1] - 8:14	14:22
shade [1] - 13:18	6:25, 7:9, 7:15, 8:4,	9:12, 27:8, 32:7,	square [5] - 12:21,	step [6] - 44:3, 49:6,
shall [1] - 16:25	8:6, 8:8, 8:12, 9:6,	46:2, 60:13, 62:5,	13:12, 13:22, 13:23,	54:14, 57:6, 71:16,
sheet [1] - 46:13	9:11, 9:15, 10:7,	62:8, 63:3	62:10	80:1
sheets [1] - 7:18	10:11, 10:16, 10:19,	Southeast [8] - 8:22,	SS [1] - 85:2	sticking [1] - 26:18
	10:22, 11:2, 11:6,	8:24, 8:25, 30:19,	St [2] - 12:3, 12:4	still [2] - 21:18, 24:6
short [3] - 13:15,		33:23, 47:2, 50:18,		
44:12, 44:14	13:2, 13:4, 27:22,		STAFF [2] - 1:13, 3:2	stipulated [5] - 8:1,
shorter [1] - 17:16	28:2, 28:6, 36:11,	58:23	staff [2] - 6:24, 8:4	8:16, 9:5, 10:8,
horthand [2] - 85:9	42:6, 42:8, 43:16,	southeastern (2) -	Staff [64] - 3:18, 8:5,	12:10
shortly [1] - 47:12	43:19, 43:21, 44:2,	4:4, 51:14	9:10, 9:19, 9:20,	stipulation [2] - 7:4,
show [6] - 12:22,	44:8, 44:10, 44:13,	SOUTHEASTERN [2]	9:21, 10:3, 10:4,	9:16
••	44:20, 44:23, 45:3,	- 1:5, 3:12	12:23, 13:24, 14:3,	stipulations [1] - 8:9
26:19, 32:3, 33:21,	48:1, 48:3, 48:5,	Southeastern [50] -	14:9, 15:2, 15:4,	Street [13] - 11:16,
43:10, 78:12	49:2, 49:6, 49:9,	1:18, 3:19, 4:17,		
showed [1] - 26:4			15:21, 17:4, 17:9,	17:19, 17:21, 18:22,
<b>showing</b> [8] - 8:23,	49:12, 49:15, 53:15,	4:21, 6:18, 8:16, 9:2,	17:11, 18:6, 18:10,	18:23, 19:20, 20:1,
51:1, 58:2, 60:13,	59:22, 67:13, 67:15,	10:2, 13:9, 14:11,	18:12, 19:1, 23:5,	20:5, 25:7, 51:10,
60:22, 73:3, 73:7,	69:1, 69:3, 70:14,	15:23, 17:18, 19:18,	29:16, 30:1, 30:3,	75:10, 77:15
76:4	71:11, 71:15, 71:19,	22:3, 22:17, 22:19,	30:10, 31:21, 31:24,	street [9] - 45:19,
shown [2] - 41:23,	71:21, 78:23, 79:1,	23:3, 24:15, 25:8,	33:1, 34:10, 36:12,	60:12, 60:15, 61:6,
	79:3, 79:22, 80:1,	29:2, 29:8, 30:14,	37:1, 40:23, 42:13,	75:1, 75:2, 75:6,
55:17	80:5, 80:8, 80:10,	30:20, 31:14, 31:15,	42:19, 46:10, 48:3,	75:9, 76:18
shows [4] - 32:20,	80:13, 80:15, 81:17,	31:18, 31:19, 31:22,	63:9, 67:15, 69:6,	
56:7, 65:17, 79:11			1	streets [1] - 51:7
shuffle [1] - 9:17	81:19, 81:24, 82:2,	32:4, 32:14, 32:15,	71:19, 71:24, 71:25,	stubbed [2] - 22:23,
side [9] - 26:12, 27:13,	82:7, 82:12, 82:18,	32:19, 35:21, 40:25,	72:12, 73:2, 73:8,	26:16
27:14, 60:18, 60:22,	82:21, 83:4, 83:8,	42:2, 43:5, 45:18,	73:14, 74:1, 74:11,	subject [2] - 5:13,
61:17, 62:3, 66:22,	83:14, 83:21, 83:25,	49:25, 51:12, 51:19,	74:23, 75:14, 75:25,	35:24
	84:8	52:8, 57:21, 57:22,	76:2, 76:3, 76:4,	submission [2] -
74:20	snake [1] - 25:10	58:18, 59:8, 59:14,	76:7, 76:14, 76:20,	28:11, 32:23
<b>ides</b> (1) - 26:25	software [3] - 72:14,	61:18, 67:19, 77:13,	77:7, 78:4, 78:6,	
sign [1] - 48:20		78:15		submit [3] - 30:12,
signature [2] - 21:14,	72:15, 72:17		78:18	35:11, 35:18
46:9	solvable [1] - 82:13	Southeastern's [3] -	Staff's [13] - 10:1,	submitted [8] - 8:21,
signed [3] - 15:22,	someone [6] - 15:3,	25:22, 69:13, 75:16	10:11, 36:19, 37:3,	16:23, 28:20, 28:23,
46:13, 46:23	16:3, 31:3, 31:21,	southern [3] - 37:14,	37:12, 38:22, 41:2,	30:7, 32:8, 34:22,
	35:20, 70:25	75:22, 78:16	62:16, 72:21, 73:6,	35:10
ignified [2] - 41:17,	sometime [1] - 16:9	southwest [9] - 23:8,	74:3, 75:16, 80:3	submitting [3] - 16:19,
41:18	sometimes [1] - 5:6	53:22, 60:8, 61:22,	stand [3] - 7:13,	
<b>ignify</b> [1] - 41:7		61:25, 62:11, 62:18,	11:10, 72:1	30:7, 39:1
igning (1) - 35:21	somewhat [1] - 83:11			successor [1] - 14:12
imilar [2] - 18:17,	somewhere [2] -	77:18, 78:9	standing [1] - 80:22	suggesting [1] - 78:10
18:20	27:13, 81:7	Soye [11] - 1:14, 2:10,	standpoint [1] - 79:14	SULLY [1] - 85:3
	sorry [11] - 16:15	2:15, 2:16, 6:22,	start [5] - 6:4, 7:14,	summer [1] - 25:24
imply [2] - 31:22,	21:20, 32:25, 33:1,	6:23, 9:18, 13:25,	7:18, 13:1, 13:8	supplemental [2] -
78:12	37:7, 48:10, 57:5,	79:24, 82:10, 83:15	started [4] - 26:8,	
imultaneous [3] -	60:23, 68:14, 74:10,	SOYE [26] - 6:23, 8:5,	50:9, 66:17, 67:10	32:7, 32:10
81:10, 81:12, 82:22		9:10, 9:19, 14:1,		suppose [2] - 25:6,
Sioux [5] - 6:17,	78:3		STATE [2] - 1:2, 85:1	31:6
11:17, 50:23, 51:14,	sort [5] - 15:6, 25:10,	36:13, 36:15, 42:5,	State [5] - 2:2, 4:9,	supposed [1] - 40:4
	26:8, 36:25, 39:19	43:25, 48:4, 48:6,	12:3, 45:25, 85:7	surveying [5] - 35:9,
55-74	south [22] - 13:17,	48:8, 49:1, 67:16,	state [7] - 11:14,	38:6, 38:7, 56:10,
56:24	South[22] - 10.17			
it [1] - 13:4		67:18, 68:25, 71:20,	25:25, 45:16, 49:20.	
56:24 sit [1] - 13:4 site [1] - 26:11 situation [1] - 18:20	18:22, 19:18, 20:20, 22:22, 22:24, 23:1,	67:18, 68:25, 71:20, 71:25, 72:4, 78:22,	25:25, 45:16, 49:20, 72:5, 72:8, 72:19	56:24 surveyor [6] - 35:7,

1

)

N. S. S.

	1			1
38:5, 38:19, 62:21,	testimony [6] - 11:4,	52:4, 52:8	13:24, 15:2, 17:8,	18:17, 23:9, 30:21, 1
68:1, 70:18	31:20, 49:15, 69:14,	traded (3) - 21:12,	21:19, 21:20, 21:25,	53:23, 74:5, 74:6,
surveyor's [1] - 71:3	70:5, 79:21	42:2, 47:11	22:23, 23:16, 24:20,	75:18, 75:19, 77:19
surveyors [2] - 38:9,	<b>THE</b> [23] - 1:1, 1:2,	training [2] - 35:7,	26:16, 27:10, 32:5,	West [1] - 11:16
79:17	1:4, 1:6, 1:11, 13:3,	50:16	34:3, 34:21, 36:17,	Whispering [21] -
swap [8] - 23:22,	14:6, 42:16, 42:19,	tranquility (1) - 75:11	38:3, 40:7, 51:2,	3:10, 3:15, 22:1,
23:25, 24:10, 28:15,	42:21, 42:23, 43:7,	transcribing [1] - 5:5	51:24, 52:13, 52:17,	22:4, 22:16, 24:14,
46:24, 51:18, 68:17,	43:11, 47:25, 49:8,	transcript [4] - 81:16,	53:2, 57:6, 57:7,	24:17, 24:24, 25:2,
69:15	69:11, 69:18, 69:22,	82:14, 82:17, 83:3	57:20, 59:2, 59:11,	25:12, 25:16, 25:23,
switch [1] - 52:23	70:8, 70:18, 70:24,	TRANSCRIPT [1] - 2:1	59:12, 60:18, 63:10,	26:23, 26:25, 27:2,
sworn [4] - 11:11,	71:2	Transcript [1] - 1:8	71:4, 72:22, 74:11,	58:1, 58:2, 60:25,
45:7, 49:17, 72:2	thereafter [1] - 47:12	transcription [1] -	76:17	66:13, 66:19, 69:17
system [4] - 9:23,	they've [1] - 27:12	85:12	update [1] - 72:18	whole [6] - 46:8, 70:3,
72:14, 72:17, 73:24	thinks [1] - 27:6	transmittal [1] - 83:3	upper (1) - 21:25	70:4, 70:6, 70:10
systems [1] - 72:14	third [3] - 4:22, 23:22,	transpired [1] - 43:5	upsidedown [2] -	Wilcox [19] - 2:9, 6:12,
ayatema [1] - 72.14	42:21		13:2, 13:3	7:17, 11:9, 11:14,
<b>T</b>		treetop [1] - 61:6	uses [1] - 29:1	11:16, 12:21, 14:3,
Т	thirds [1] - 22:3	tricked [1] - 35:21	UTILITIES [2] - 1:1,	18:5, 24:14, 27:5,
	Thomas [1] - 12:4	true [2] - 81:17, 85:11	1:11	27:24, 28:10, 36:5,
table [2] - 13:25, 14:2	three [6] - 13:16,	try [1] - 21:4	Utilities [2] - 72:10,	42:9, 42:12, 44:2,
talks [1] - 53:20	17:17, 20:4, 25:9,	turn (12) - 5:19, 7:1,	72:13	48:20, 59:5
tear [1] - 27:8	45:2, 58:11	13:6, 18:25, 20:8,		48.20, 59.5 wires [1] - 26:19
tech [1] - 50:15	three-eighths [1] -	29:15, 29:23, 30:23,	utility [1] - 17:1	
	20:4	37:2, 73:6, 74:14,	utilize [1] - 72:18	wish [1] - 10:22
temporary (1) - 50:9	three-phase [2] - 25:9,	78:4		witness [6] - 7:13,
tendency [1] - 5:8	58:11	Turner [2] - 46:3, 46:4	V	11:11, 45:7, 45:13,
tenor [1] - 52:14	three-quarters [2] -	turning [2] - 46:18,		49:17, 72:2
term [3] - 62:22,	13:16, 17:17	60:6	various [1] - 7:5	WITNESS [18] - 2:8,
70:18, 70:19	throughout [3] - 5:16,	twice [1] - 32:21	verbatim [1] - 16:17	13:3, 14:6, 42:16,
terminology [4] -	14:21, 72:19	two [17] - 20:6, 22:3,	verify [3] - 64:15,	42:19, 42:21, 42:23,
35:9, 38:6, 38:7,	tier [3] - 13:13, 13:15,	22:22, 26:25, 32:20,	64:24, 65:10	43:7, 43:11, 47:25,
63:7	17:15	34:24, 40:8, 40:16,	version [1] - 17:12	49:8, 69:11, 69:18,
terms [3] - 26:16,	Tim [10] - 2:13, 6:19,	40:18, 51:4, 58:6,		69:22, 70:8, 70:18,
59:6, 82:14	44:17, 46:14, 46:25,	65:2, 70:2, 70:8,	versions [1] - 9:13	70:24, 71:2
territorial [8] - 4:17,	48:17, 49:16, 49:22,	71:21, 76:2, 78:15	via [1] - 80:22	Witness [2] - 56:18,
9:2, 30:13, 35:3,	53:17, 57:23	two-thirds [1] - 22:3	VICE [1] - 1:12	58:7
46:24, 58:17, 59:6,	title [1] - 11:21	typical [1] - 17:16	vice [1] - 21:16	witnesses [2] - 8:18,
59:15	titles (1) - 9:21		View [1] - 3:5	71:17
territories [4] - 31:11,	today [15] - 4:10, 5:5,	U	view[7] - 19:25, 73:8,	WITTLER [1] - 85:5
56:20, 72:19, 72:20	6:8, 6:14, 6:18, 7:3,		73:21, 74:25, 75:4,	Wittler [2] - 1:23,
territory [48] - 4:5,	17:3, 31:20, 45:12,		76:3, 76:22	85:18
4:20, 7:22, 10:1,	52:19, 80:16, 80:22,	unclear [2] - 77:1,	viewed [2] - 37:4,	woods [1] - 26:25
14:16, 14:24, 15:12,	81:1, 84:6, 84:9	78:13	37:13	Woods [20] - 3:10,
21:2, 21:11, 22:6,	today's [2] - 4:7, 83:14	under [1] - 62:7	viewing [1] - 37:12	3:15, 22:1, 22:4,
22:20, 23:17, 23:21,	together [9] - 15:7,	undergraduate [1] -	violation [1] - 4:5	22:16, 24:14, 24:17,
23:25, 24:7, 24:8,	15:15, 15:17, 21:8,	12:2	VIOLATION [1] - 1:6	24:24, 25:2, 25:12,
24:10, 25:21, 26:7,	40:9, 46:5, 55:2,	underground [2] -	visiting [1] - 46:14	25.16, 25:23, 26:23,
26:13, 27:9, 27:13,	55:4, 56:8	25:13, 26:17	vo[1] - 50:15	27:2, 58:2, 58:3,
27:14, 27:16, 28:15,	took [2] - 15:5, 85:9	understood [3] -	vo-tech [1] - 50:15	60:25, 66:13, 66:20,
30:14, 30:18, 31:19,		16:12, 16:18, 28:10		69:17
32:19, 33:15, 34:23,	top [3] - 17:19, 18:2, 60:18	union [3] - 14:11,	W	words [1] - 77:5
34:25, 41:9, 41:10,		46:4, 50:17		works [3] - 82:25,
41:17, 41:18, 47:19,	towards [3] - 20:10,	universal [1] - 80:24		83:15, 84:1
51:18, 64:4, 65:9,	61:14, 61:19	University (1) - 12:3	waive [2] - 10:24, 11:1	worst [1] - 82:10
66:12, 68:17, 73:16,	township [3] - 23:8,	university [1] - 12:4	water [1] - 47:10	write [1] - 57:15
74:4, 75:17, 76:12,	53:22, 77:19		ways [3] - 77:2, 77:5,	written [6] - 16:22,
78:11	townships [1] - 51:2	unlike [1] - 37:24	78:15	
TERRITORY [1] - 1:6	trace [1] - 51:9	unplatted [1] - 61:20	weird [2] - 28:3, 76:20	16:24, 34:23, 38:18,
	track [1] - 30:21	unusual [4] - 83:16,	welcome [2] - 5:25,	63:5, 81:7
		1 02 10 02 70 02 72	······································	1
Territory [4] - 3:3, 3:6,	Trade [1] - 3:13	83:18, 83:20, 83:23	47:25	
	Trade [1] - 3:13 trade [6] - 20:24,	up [39] - 7:13, 8:9, 12:23, 12:25, 13:5,	47:25 west [10] - 13:18,	

XCEL [2] - 1:5, 3:8 Xcel (61) - 1:17, 3:10, 3:18, 4:4, 4:17, 4:23, 4:25, 6:4, 6:8, 6:13, 7:17, 7:18, 7:21, 7:23, 7:24, 8:6, 10:2, 11:19, 11:20, 11:24, 12:25, 14:12, 15:23, 17:8, 17:18, 17:19, 19:4, 19:12, 20:15, 21:15, 21:19, 23:16, 24:8, 24:21, 24:22, 26:7, 26:12, 26:22, 27:5, 30:19, 31:4, 35:21, 40:9, 42:13, 43:8, 43:9, 43:11, 45:11, 46:16, 47:21, 51:19, 52:25, 53:7, 60:4, 63:19, 64:6, 66:9, 69:15, 69:20 Xcel's [4] - 3:4, 24:17, 57:14, 74:3

## Y

year [3] - 18:18, 50:15, 67:9 years [4] - 11:25, 24:12, 46:1, 50:16 yellow [9] - 32:13, 32:17, 41:3, 41:6, 41:12, 41:18, 42:23, 47:3, 76:7 Yorkshire [2] - 75:9, 75:10

## .

Ζ

zoom (1) - 75:3 zoomed (1) - 73:8