

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

SCOPING AND INFORMATIONAL MEETING - 15-858

Rochester - February 29, 2016 - 2:00 & 6:00 p.m.

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

AND DEPARTMENT OF COMMERCE

In the Matter of the Application of Minnesota Energy  
Resources Corporation for a Route  
Permit for the Rochester Natural Gas Pipeline Project in  
Olmsted County

MPUC DOCKET NO. G-011/GP-15-858

Kahler Apache  
1517 16th Street SW  
Rochester, Minnesota

February 29, 2016

COURT REPORTER: Janet Shaddix Elling, RPR

1	I N D E X	
2	<b>SPEAKER</b>	<b>PAGE</b>
3	2:00 MEETING	3
4	Michael Kaluzniak	3
5	Amber Lee	9
6	Larry Hartman	13
7	Louis Seifert	24
8	Daniel DeCook	27
9	Carol Overland	33
10	Thomas Roetzler	39
11	John Donovan	42
12	Mark Darnell	48
13	Stan Dee	51
14	Frances Passe	53
15	Dennis Dore	59
16	Douglas Cranston	63
17	6:00 MEETING	67
18	Michael Kaluzniak	67
19	Amber Lee	73
20	Larry Hartman	77
21	Bruce Ryan	89
22	Gary Vasdev	90
23	Bud Hanson	93
24	Robert Pyfferoen	96
25	Gary Vasdev	97

SCOPING AND INFORMATION MEETINGS - 15-858  
ROCHESTER - FEBRUARY 29, 2016 - 2:00 AND 6:00 P.M.

3

1 (2:00 meeting)

2 MR. MICHAEL KALUZNIAK: Good afternoon,  
3 everybody. Thank you for coming out this afternoon.

4 My name is Michael Kaluzniak and I'm a  
5 staff person with the Minnesota Public Utilities  
6 Commission.

7 We've got a lot of information to present  
8 to you here today and, most importantly, we'd like  
9 to hear from you and answer any questions you may  
10 have and start you on the process of providing input  
11 to the project itself.

12 I have one handout, that's the meeting  
13 notice itself for the project, and I will run  
14 through most of this information fairly quickly. I  
15 also have a lengthy presentation that I will  
16 probably skip through. There are copies of these in  
17 the back, so if you have any questions, you want to  
18 take one home, they're available, and, of course,  
19 we'll be here to answer any questions you might  
20 have.

21 We're here to explain how the Commission  
22 addresses --

23 UNIDENTIFIED: Can you get a little  
24 closer?

25 MR. MICHAEL KALUZNIAK: Okay. We're here

1 to explain the Commission's review process for route  
2 permits for natural gas pipelines, provide  
3 information about the project. There will be  
4 presentations from the applicant, MERC, Minnesota  
5 Energy Resources Corporation, and the Department of  
6 Commerce, our sister agency, that will be conducting  
7 an environmental review for the project itself.  
8 Again, we're here to gather information for the  
9 environmental review and answer your questions and  
10 we do appreciate you coming out.

11 I'm going to be very quick with these  
12 slides here.

13 The PUC is a small agency, we're about 50  
14 people, five commissioners. We do ratemaking, we  
15 determine rates, we approve projects such as this,  
16 we do lots of different types of dockets,  
17 information pieces for pipelines, power plants, wind  
18 farms, transmission lines, and so forth.

19 This project before us today is a natural  
20 gas pipeline route permit. Because this pipeline  
21 transfers gas that is over 275 pounds per square  
22 inch, it requires a route permit from the  
23 Commission, and there is some laws that are cited  
24 there.

25 Again, the applicant here is Minnesota

SCOPING AND INFORMATION MEETINGS - 15-858  
ROCHESTER - FEBRUARY 29, 2016 - 2:00 AND 6:00 P.M.

5

1 Energy Resources Corporation. Our sister agency,  
2 the Department of Commerce is here, and I'm here on  
3 behalf of the Public Utilities Commission.

4 Also on the slide you'll notice at the  
5 bottom it references the OAH, the Office of  
6 Administrative Hearings. I'll explain a bit about  
7 their role here as we go forward. Again, there's  
8 our folks from the PUC.

9 When the PUC considers applications for a  
10 route permit, we are required by law to consider  
11 several factors that you're seeing here as part of  
12 our review process. And the Department of Commerce  
13 folks help us with that.

14 This is the process that we're at. The  
15 application for this project was accepted by the  
16 Commission. That doesn't speak to whether it's  
17 approved or not, it just says that the information  
18 that is necessary to proceed and so that's why we're  
19 here today.

20 This is the first public information  
21 meeting, you'll see the second light blue box, and  
22 at this point you'll notice it turns over to the  
23 orange piece, this is very important for you to  
24 note, this is for public input, we want your input  
25 into the process.

1           This information will be brought back to  
2 the Commission for a decision and so we'll have  
3 some -- all the input that you guys provide will be  
4 summarized and analyzed and given recommendations  
5 for the Commission's consideration. I'll take that  
6 back to our Commissioners and they'll make a  
7 decision prior to our next public hearing.

8           And at that public hearing we'll have an  
9 administrative law judge here, it might be slightly  
10 more formal, but it's a similar sort of process, but  
11 we want input on the materials that are developed  
12 through the analysis of the alternatives that are  
13 developed through this process.

14           After that's completed there will be a  
15 second phase, it's probably running at the same  
16 time, where the administrative law judge will be  
17 reviewing materials and receiving testimony from the  
18 applicant, other parties, often the Department of  
19 Commerce, a different department from the one that's  
20 here today submits testimony on behalf of Minnesota  
21 ratepayers and so forth. All of that information  
22 goes to the administrative law judge who will then  
23 make a report. That comes back to the Commission,  
24 we take that information, I brief the Commissioners,  
25 and they need to make a determination on the route

1 permit.

2 The route permit is two things. One is  
3 where the route would go, obviously, its physical  
4 location, and the second is permit conditions that  
5 are necessary to protect the environment and comply  
6 applicable laws and regulations.

7 This is a very estimated time frame for  
8 the project. These are very loose, so don't plan  
9 your holidays around these yet. But we will be  
10 putting out additional notices. I should mention  
11 that there are orange cards in the back. If you'd  
12 like to receive frequent updates about the project,  
13 please sign up on one of the orange cards and we'll  
14 add your name to the database that we keep for  
15 distributing that information. So you'll receive  
16 notices such as these, filings, and meeting notices  
17 about upcoming important dates for the project.  
18 This is the front page of that notice.

19 Larry Hartman from the Department of  
20 Commerce is going to speak more directly to how to  
21 submit comments, but we do ask you to look at some  
22 things we are doing to try to keep it on message.  
23 Be constructive and try to think like a transmission  
24 planner or a pipeline planner, if you will.

25 Here's our website and some ways that you

1 can participate. You can actually go online, create  
2 an account with our website, which is called  
3 eDockets, electronic docketing, and there's lots of  
4 information and every one of these pieces is filed  
5 on there. There's probably 40 or 50 pieces of  
6 information, including the application, including  
7 the maps, including all the notices and decisions  
8 that are made, and those are updated frequently.  
9 You can subscribe to receive all of those if you  
10 want, you'll probably get more e-mail than you would  
11 like on the project, but it is available to you.  
12 The orange project mailing list is for decision  
13 points and public input points and we'll contact you  
14 on those so please sign up if you're interested.

15 You can also pull up a docket website,  
16 this is what it looks if you enter the numbers 15 --  
17 if you enter our docket number, which is 15-858,  
18 you'll see a long list of information that comes up  
19 with all of that stuff.

20 Here's the information for the public  
21 advisor who is not here today, Tracy Smetana, and  
22 myself, I'm with the energy facilities planning  
23 unit. I just wanted to mention that there are staff  
24 on behalf of the applicant, they have a GIS mapping  
25 station over in the corner there, they're happy to

1 pull up your property or any locations along the  
2 project if you'd like to see a map or find an  
3 analysis of the environmental features in that area,  
4 they are happy to help you with that.

5 Again, thank you for coming out, we  
6 appreciate you being here this afternoon. I'm going  
7 to turn it over to Amber who is going to speak to  
8 you on behalf of MERC. Thank you.

9 MS. AMBER LEE: Good afternoon, everyone.  
10 Thank you for coming.

11 I am Amber Lee, I work at Minnesota  
12 Energy Resources in regulatory affairs. I represent  
13 the company before the Minnesota Public Utilities  
14 Commission and that's why I'm here before you today.

15 I do have to say that we have quite a few  
16 company representatives from the environmental group  
17 and the engineering group as well, and the  
18 construction side of things too. So we have people  
19 here who can answer your questions better than I  
20 can, but I will give you a good overview on the  
21 project and what the proceeding will mean to us at  
22 the Commission.

23 A little bit about our company. We have  
24 been in business for 87 years. We serve the City of  
25 Rochester and other surrounding communities, as well

1 as communities all the way up to the border of  
2 Canada and all the way over to North Dakota and  
3 South Dakota. So we're a very diverse distribution  
4 company in that we serve many areas throughout  
5 Minnesota. We have a total of 230,000 customers in  
6 177 communities. We are entirely a Minnesota  
7 company, in that we serve Minnesota customers.

8 Like I said, we are the provider to the  
9 City of Rochester for natural gas, and this project  
10 is meant to do two things for our company and the  
11 area of Rochester.

12 First, the system, as it currently  
13 stands, we are at capacity. We can pull no more  
14 capacity from the interstate pipeline that's coming  
15 to serve Rochester. So we need to expand our  
16 capability to serve the current load and also to  
17 meet the increased demand that's projected for the  
18 City of Rochester because of the growth that we  
19 expect to see in this area.

20 This slide shows that right now we take  
21 about 550,000 therms from NNG, and that's the  
22 capacity that we have off the transmission system.  
23 As you can see, we're forecasting, you know, in  
24 excess of that over the next 15 years of steady  
25 growth. So that's what our project is going to be

1 doing, is expanding the capacity to meet that  
2 projected forecast.

3 We also need to loop our system so that  
4 we can move the capacity that we do pull off the  
5 pipeline, we can move it and improve the operability  
6 of our system in Rochester.

7 For us the project involves upgrades to  
8 the distribution system that we have in the west and  
9 south sides of Rochester. I think this next slide  
10 is a map I'll show you.

11 So when we first realized that we needed  
12 to do these upgrades, this was the study area, we  
13 took a look at our Rochester system and determined  
14 where we would need to upgrade based on existing  
15 rights-of-way, et cetera.

16 And over the course of years we  
17 determined that this was preferred route here. And  
18 that purple line you can see is the 13 -- I don't  
19 know, I don't have -- I guess we don't have a  
20 pointer? Well, you can see the purple line is the  
21 pipeline that we're getting the permit for with this  
22 proceeding.

23 And the project involves connecting that  
24 first TBS, which is a town border station where we  
25 pull the natural gas off of the interstate

1 transmission pipeline, and then we're going to build  
2 five miles of 16-inch pipe and then 8 miles of  
3 12-inch pipe. We're going to be redoing this TBS  
4 into a district regulator station and building a new  
5 TBS in this area here at the bottom of that 5-inch  
6 pipe.

7 So that a town border station allows us  
8 to pull the transmission gas off of the transmission  
9 line at very high pressures and bring it down into  
10 our distribution system. So this project will  
11 involve a rebuilt TBS at the northwest corner here  
12 on this map, and a new TBS here in the southwest  
13 corner of this map, and then a new redesigned  
14 district regulator station over here, the east  
15 corner of the map. Yeah.

16 UNIDENTIFIED: So where is the second TBS  
17 going to be exactly?

18 MS. AMBER LEE: It's going to be right  
19 here. I'll point at this. Right here.

20 UNIDENTIFIED: (Inaudible - no mic.)

21 COURT REPORTER: Can we have questions  
22 after you're done with your presentation?

23 MS. AMBER LEE: Okay. We've been asked  
24 to save the questions for after the presentation.  
25 This is being transcribed. But we'll have plenty of

1 chance to ask at the end.

2 And then real quick we'll go over the  
3 construction piece of it. As you can see, it's kind  
4 of a sequential, or what do you call it, an assembly  
5 line-type construction. And I think the next  
6 pictures actually do a better job of showing that.  
7 So we trench and then lay the pipe alongside of it  
8 and then weld the pipe, and then after the pipe is  
9 inspected, we actually place it in the trench and  
10 then backfill. As you can see, this backfill is  
11 completely remediated at the end of the construction  
12 so that you won't see that construction after it's  
13 been fixed.

14 And then last, the town border stations  
15 that we just talked about looks like this. These  
16 are representative photos of stations that currently  
17 exist. And the district regulator stations will  
18 look like this. And we have -- we have, I think,  
19 about 75 or 77 of these stations currently in our  
20 Rochester system.

21 And that's all from us, but like I said,  
22 we're happy to answer questions at the end. Thank  
23 you.

24 MR. LARRY HARTMAN: Good afternoon. My  
25 name is Larry Hartman, and I'm with the Minnesota

1 Department of Commerce, the Energy Environmental  
2 Review and Analysis staff. Also with me is Andrew  
3 Levi back here at the table. Andrew, if you want to  
4 raise your hand? And Andrew will be assisting on  
5 the project. Because he'll be gone in May for about  
6 a month, he and his wife are expecting a second  
7 child, so he'll be occupied for a while on that.

8 With regard to the portion I want to  
9 present, it's more about participation in the  
10 process, how to submit comments, routes, and a few  
11 of the other things like that.

12 So routing of pipelines is governed by  
13 Minnesota Statute 216G.02, which was passed in 1987.  
14 Subsequent to the enactment of that legislation,  
15 pipeline routing rules were adopted in 1988, and  
16 they were adopted and approved by the Minnesota  
17 Environmental Quality Board.

18 When those rules were adopted they were  
19 also authorized or approved of as an alternative  
20 form of environmental review. So aside from a  
21 permitting process and an environmental review  
22 process, which would normally be two separate  
23 tracks, it combines everything and puts it into one  
24 permitting process.

25 The rules have been relabeled a few

1 times, in their present form it's Minnesota Rules  
2 Chapter 7852. And within that chapter there are  
3 three different ways of getting a pipeline routing  
4 permit.

5 MERC has elected to go through the more  
6 kind of the longer process, which we call a full  
7 route selection process. So when they submit an  
8 application to the Minnesota Public Utilities  
9 Commission, they have to identify a preferred route  
10 and consideration of an alternative route.

11 If you remember the slides that Amber was  
12 showing you, their preferred route was kind of in  
13 purple, and kind of the dashed one, that was their  
14 alternative route that they've identified. Portions  
15 of that also parallel the British Petroleum products  
16 pipeline.

17 As I previously mentioned, and I guess  
18 I'll just cover it again. The permitting process,  
19 once the Commission accepts or approves the routes  
20 to be considered at the public hearing, will  
21 initiate preparation of what's called a comparative  
22 environmental analysis. So that will basically  
23 identify all the alternative routes accepted by the  
24 Commission, and the document will examine the  
25 impacts associated with those routes, identifying

1 mitigation procedures or techniques that may be  
2 required also.

3           Once the comparative environmental  
4 analysis is available, which we expect to be in  
5 August, the hearings will start sometime after that.

6           Now, normally there's not a -- a  
7 comparative environmental analysis is just a  
8 document, it's not a draft, it's not a final. In  
9 this instance, the Commission has asked us as staff  
10 at Commerce to prepare the draft document and then  
11 submit the document again with response to the  
12 written comments received on it. So I would imagine  
13 that document would be initially available in July  
14 sometime, there will probably be an opportunity of a  
15 couple weeks to submit comments on that document.  
16 We then respond to those comments, and that would  
17 then be submitted as prefiled testimony on our  
18 behalf 14 days prior to the start of the public  
19 hearing.

20           This is kind of a schematic of the  
21 permitting process. As you can see here we're at  
22 the first public information and scoping meeting so  
23 basically it's our opportunity to bring, I guess,  
24 present to you, the way the permitting process works  
25 as it's laid out. Talk about comments or concerns

1 you might have. And I'll also go over how to  
2 identify or submit additional routes and/or route  
3 segments.

4 As you can see, once the route segments  
5 are accepted, we'll do the draft comparative  
6 analysis. The final -- or final, or I guess the  
7 draft with the comments would be submitted prior to  
8 the hearing. The judge would I guess review that  
9 document, as well as everything else that comes in  
10 the record, including testimony from the applicant,  
11 as well as the public, and then prepare his report  
12 and recommendation and submit that to the  
13 Commission.

14 The information and scoping meetings are  
15 basically -- it provides us with an opportunity and  
16 I guess for you to identify the issues of the  
17 impacts you might have concerns about with the  
18 proposed pipeline. We'll explain how you can  
19 participate in the process and the route alternative  
20 process also.

21 If you want to submit a route or route  
22 alternative, we suggest that you try to do it in as  
23 much detail as possible on a map. To aid or assist  
24 you, we have three handouts -- well, there's more  
25 than three handouts back there, but we have one

1 that's called how to suggest an alternative pipeline  
2 route. And it's a two-sided document and it talks  
3 about the process step by step, gives you  
4 suggestions for posing alternative routes, and on  
5 the back side of that it talks about providing a  
6 map, suggesting an alternative route or route  
7 segment. And if you're going to do that we need  
8 those by April 13th of this year. Anything that  
9 comes in after that will not be considered at this  
10 point in time.

11 Normally the comment period is typically  
12 a couple of weeks on a project like this. However,  
13 for pipelines is a little bit different because  
14 people have the opportunity to propose routes, under  
15 the rules they have 70 days to do that. If we get  
16 it on the 70th day, we'll review it. If it's  
17 inadequate or you're missing some of the information  
18 requested, we'll send it back to you and you have 10  
19 days to provide the additional information.

20 Typically we've accepted most of the line  
21 routes, it's been very rare that they've not been  
22 accepted. And staff, either Andrew or I, will be  
23 glad to assist you if you're having problems, need  
24 maps, have questions, or anything else. Certainly  
25 don't hesitate to contact us on that front.

1           Once we've collected all of those and  
2 they're all in, I more than likely will be preparing  
3 a recommendation to the Commission on what routes or  
4 route segments to accept, as well as kind of the  
5 scoping document, or what will be covered in the  
6 comparative environmental analysis.

7           If you want to suggest an alternative  
8 route, we ask that you identify the specific impact  
9 you'd like to mitigate with your proposal. Maybe  
10 discuss the land use impacts, natural resource  
11 impacts, aesthetic impacts, perhaps archaeological  
12 impacts, cultural resources. However, your route or  
13 route segment also has to meet the need for the  
14 project. In other words, you can't suggest a  
15 different starting point or a different ending  
16 point. Those are kind of set by the applicant. So  
17 anything in between pretty much works.

18           Just as an example, and let me see what  
19 this one is. This is for a transmission line, and I  
20 forget where, and the alternative route basically  
21 suggested in this case was to avoid a historic  
22 property. Another example of the route segment was  
23 just realigning the original alignment with a new  
24 county road proposal. This one was proposed for a  
25 memorial site. And these are just illustrative

1 examples. And in northern Minnesota we have a large  
2 crude oil pipeline project, right now about 300  
3 miles in length, it gives you some of the  
4 alternative routes provided for that project. Also,  
5 this project is relatively short, 13 miles, this one  
6 is 300 miles, so you can see that the scope or the  
7 route alternatives being considered very widely.

8 Besides the Minnesota Public Utilities  
9 Commission there are a number of other state  
10 agencies involved with the regulation or oversight  
11 of pipelines in Minnesota. One is the Minnesota  
12 Department of Agriculture. If the pipeline is  
13 crossing agricultural land, for example, the  
14 Department of Ag has to do an agricultural  
15 mitigation plan. Generally that's developed between  
16 the applicant and the Department of Agriculture, and  
17 introduced into the record at the appropriate point  
18 in time. The Minnesota Department of Natural  
19 Resources issues permits for crossing public lands  
20 and public waters. They also do -- I'm trying to  
21 remember which permit, the water withdrawal permits,  
22 if you need test water for hydrostatic testing. The  
23 Minnesota Pollution Control Agency also regulates  
24 the national pollutant discharge elimination system  
25 permit and a few other permits. The Office of

1 Pipeline Safety is a state agency responsible for  
2 the inspection of pipelines.

3 I'd like to talk a little bit more about  
4 that. Gas pipelines fall in several different  
5 categories. As Amber mentioned, they are getting  
6 their gas from a company called Northern Natural  
7 Gas. They are an interstate operator of natural gas  
8 lines, which means they are not regulated by the  
9 state. Excuse me, interstate companies are not  
10 regulated by the State of Minnesota, they're  
11 specifically regulated by the Federal Energy  
12 Regulatory Commission. However, the federal Office  
13 of Pipeline Safety, the State of Minnesota is an  
14 authorized agent of the federal government and has a  
15 right to inspect both natural gas lines both  
16 intrastate as well as interstate as well as crude  
17 oil and other liquid lines also.

18 So there's a lot of oversight of  
19 pipelines at the state level. Safety standards are  
20 strictly federal regulations, we cannot do anything  
21 in our permit that addresses safety-related issues.  
22 Ours address environmental. Now, sometimes you're  
23 kind of on the fence as to what's environmental and  
24 what's safety and we typically navigate that in an  
25 appropriate fashion.

1           This is kind of an anticipated schedule.  
2           I don't know how it's matched up to some of the  
3           others. There's going to be a prehearing conference  
4           a week after next and some of those dates will be  
5           finalized or kind of settled on then for those who  
6           are participants in the proceeding, which means  
7           MERC, which is a party, the ALJ, the Department of  
8           Commerce, or if anyone else decides to intervene  
9           before that time.

10           If you want to submit comments, we have a  
11           separate sheet back here, it's a little bit heavier  
12           gauged paper. It tells you, again, the public  
13           comment period closes April 13th. You can either  
14           fill this out here and leave it with Andrew or give  
15           it to me. You can also take it with you, fill out  
16           your comments, tape it, put a stamp on it and mail  
17           it and it'll come to me also. Again, my e-mail  
18           address is on there, as is my telephone number.

19           Besides, as Mike mentioned earlier, there  
20           is eDockets, the Department of Commerce, we also  
21           maintain our own web page for these dockets, whereas  
22           eDockets will have everything related to a  
23           particular docket, our website only has what we  
24           consider the more critical stuff, basically the  
25           application, the notices, the draft comparative

1 environmental analysis will also be there when  
2 that's available.

3 I guess it's open for comments now. I  
4 guess we'd ask one speaker at a time. Please state  
5 and spell your name for the court reporter. Janet  
6 behind me is the court reporter. She'd like to be  
7 able to take down what you say so try to speak  
8 slowly and clearly for her benefit. And depending  
9 on how long the meeting goes, Janet needs a break  
10 after a certain period of time, her fingers get a  
11 little bit tired. So maybe around 3:30 we take a  
12 break, if that's necessary, for Janet.

13 Please limit your comments to a few  
14 minutes. If you want to come back and speak again  
15 we'll certainly give you that opportunity. Be  
16 respectful of others and direct your comments and  
17 questions to the scope of the EA.

18 Also, on the back table, I guess, we have  
19 what's called a comparative environmental analysis,  
20 a draft scoping document. It gives you a little bit  
21 of background on the project and kind of an outline  
22 of subjects we anticipate that the comparative  
23 environmental analysis would cover.

24 And with that I'd like to open it up for  
25 questions. I do have green speaker cards back

1 there, I'd ask -- we typically try to ask people to  
2 fill out the cards so we have a record of who is  
3 speaking. And then I'll turn those over to the  
4 court reporter for her benefit also. I know,  
5 Andrew, we have a few cards, so why don't I call on  
6 those people first. If you'd like to speak maybe  
7 Andrew could pass cards out or you can just raise  
8 your hand after that.

9 The first speaker card, Louis Seifert,  
10 S-E-I-F-E-R-T. Yes, sir.

11 MR. LOUIS SEIFERT: I wanted to know --

12 COURT REPORTER: You're going to have to  
13 come up to the mic.

14 MR. LOUIS SEIFERT: What are the chances  
15 of people along this new route hooking up to the gas  
16 line?

17 MR. LARRY HARTMAN: I'd have to defer to  
18 MERC on that. You mean a farm tap?

19 MR. LOUIS SEIFERT: Housing or whatever.  
20 Or maybe even people further up the route from where  
21 the new line is going to be, the chances of them  
22 hooking up to it.

23 MR. LARRY HARTMAN: Well, for one thing,  
24 the pressure is probably too high for you to hook up  
25 to it.

1 MR. LOUIS SEIFERT: Right.

2 MR. LARRY HARTMAN: And what comes out of  
3 the Northern Natural Gas system might be 900 to 1100  
4 pounds, psi. The first phase of this pressure would  
5 be 4500, and the last phase, the last eight miles  
6 would be about 275 pounds. And generally that  
7 would -- the district regulator says you can --

8 MR. LOUIS SEIFERT: Regulate it down.

9 MR. LARRY HARTMAN: -- regulate it down,  
10 so when gas comes into your house it might be  
11 between three and six pounds, psi, if you're talking  
12 about a home. Of you're talking about grain dryers  
13 or something else, you know, that's a different  
14 story.

15 Amber, do you want to respond to that?

16 MS. AMBER LEE: Yeah. Thanks, Larry.

17 Yes, that's exactly right. So the line  
18 that we show, the line that we're going to get a  
19 permit for is not a line that we could just hook  
20 into. But certainly the main -- our main lines that  
21 we would bring off of that will be under development  
22 as we get the construction in place.

23 This is a phased project for us so what  
24 you're seeing takes a number of years to construct,  
25 but once that happens, then we will have, you know,

1 eventually we will have additional mains and  
2 services off of this route.

3 MR. LOUIS SEIFERT: So this new station  
4 you're going to put in, that won't bring the  
5 pressure down to where you can -- someone could hook  
6 into it, right?

7 MS. AMBER LEE: Correct. We would have  
8 to -- I mean, we would have to hook you up to a main  
9 or a service line, those pressures are much lower  
10 than what you will see.

11 MR. LOUIS SEIFERT: Okay. So where will  
12 the station be that people can hook up to? 'Cause  
13 currently, when I looked into hooking up to this,  
14 the gas line years ago, I was going to have to hook  
15 up to the border station, which was on 60th Avenue.  
16 60th Avenue, right, the one that's at the top there.  
17 And they told me it would be like \$50,000. So  
18 that's unrealistic for one person to pay, you know.

19 MS. AMBER LEE: Right. This is Lindsay,  
20 she's an engineer and I'll have her answer you.

21 MS. LINDSAY LYLE: My name is Lindsay  
22 Lyle, L-I-N-D-S-A-Y, L-Y-L-E.

23 The entire line is a distribution line.  
24 So as we see pockets of customers, we will expand  
25 our system to serve those customers. If we're going

1 in your front yard and you're the only customer,  
2 it's going to be a little bit more to do just one  
3 house versus multiple houses, so we'll look at it on  
4 a case-by-case basis so that we get a safe pressure  
5 to the houses.

6 MR. LOUIS SEIFFERT: Okay. So, in other  
7 words, no.

8 MS. LINDSAY LYLE: No, I'm not saying no.  
9 I think it's a case by case, if there's other things  
10 in the area --

11 MR. LOUIS SEIFFERT: Like this line is  
12 going to run right in front of my house. So the  
13 chances of me getting hooked up to that are very  
14 unlikely.

15 MS. LINDSAY LYLE: I wouldn't say that.  
16 I think until our route is approved, I think  
17 everything right now is speculation.

18 MR. LOUIS SEIFFERT: Okay. That's all  
19 right. That's all I wanted to know. Thank you.

20 MR. LARRY HARTMAN: The next speaker card  
21 I have is Daniel DeCook.

22 MR. DANIEL DECOOK: Right here. I live  
23 on 60th Avenue there. So these are most of my  
24 neighbors. Good to see you guys. But, let's see.

25 Is it loud out there? A little closer?

1           There you go.

2                     All right. Let's see now. So that  
3           substation is about the midway point with that shade  
4           of purple around it.

5                     MR. LARRY HARTMAN: It's about five  
6           miles.

7                     MR. DANIEL DECOOK: So that seems like a  
8           pretty good place to put it, kind of the midpoint,  
9           more or less. Is that what you would say?

10                    MR. LARRY HARTMAN: You'd have to ask the  
11           company about the project.

12                    MR. DANIEL DECOOK: Is that the idea, to  
13           have it kind of midway?

14                    MS. LINDSAY LYLE: Well, that was with  
15           our RFP to get extra capacity into Rochester.  
16           That's the general area that Northern Natural was  
17           planning to install the line to, so we picked the  
18           general area around where they're planning their  
19           extension into Rochester.

20                    MR. DANIEL DECOOK: Oh, okay. Yeah.  
21           Yeah, I'd be interested in talking to you about that  
22           because I own that piece of property. So I don't  
23           know who to talk to, but --

24                    MS. LINDSAY LYLE: I think we're kind of  
25           on hold for that until routing is complete.

1 MR. DANIEL DECOOK: But anyway, then, I  
2 don't know how deep you want to bury this baby, but  
3 in the past they don't seem to get them deep enough.

4 MR. LARRY HARTMAN: Minnesota statutes  
5 requires where it's crossing agricultural land or  
6 drainage ditches that it be buried at a depth of  
7 minimum of 54 inches from top of the pipe to top of  
8 the ground. Landowners can sign a waiver on that.  
9 Federal regulations normally require a depth of  
10 burial of a minimum of 36 inches unless you're in  
11 rock. Minnesota adopted a deeper standard a number  
12 of years ago, so it would be buried at that depth  
13 unless you -- if it's crossing your property, if the  
14 company is seeking an easement, on the back of that  
15 easement agreement in clear English, capital  
16 letters, you can sign a waiver which would allow it  
17 to be buried and you can waive the 54-inch depth and  
18 go with 36 if you so choose to.

19 MR. DANIEL DECOOK: Okay. I think the  
20 deeper the better from the things that have happened  
21 in the past.

22 MR. LARRY HARTMAN: Typically, if you've  
23 got drain tile or something else, it'll typically be  
24 below the drain tile and there would be a foot of  
25 separation.

1 MR. DANIEL DECOOK: Yeah. That's a good  
2 idea. Well, everybody here knows that natural gas  
3 is the way to go. I mean, the city is growing, so,  
4 yeah, you have to do this stuff. And it seems like  
5 a reasonable way of looping around the town to me.  
6 It's pretty decent terrain there that you're looking  
7 at.

8 And, yeah, I'm sorry you guys have to go  
9 through so much hassle to even talk about a project.  
10 It must be quite frustrating.

11 But, let's see. I guess that's about all  
12 I can think of. I think the depth thing is probably  
13 the biggest thing that comes back to haunt you guys  
14 from what I've seen, and it's going to save you a  
15 lot of money if you can put it in a little deeper  
16 now than to come back and deal with it later.

17 MR. LARRY HARTMAN: For your information,  
18 there's some trade-offs. The deeper it is, the  
19 bigger the trench. So that means more dirt comes  
20 out of the trench. So obviously if it is buried to  
21 a depth of 54 inches, the trench is going to be  
22 deeper and wider at the bottom as well as the top.  
23 If it's 36 inches it won't be as wide at the bottom  
24 and/or at the top and there would be less soil.  
25 It's a question of safety, also, it depends on what

1 else is out there with regard to other utility  
2 facilities.

3 MR. DANIEL DECOOK: Yeah. Yeah. There's  
4 always more pipes going in the ground, so the first  
5 big one that goes in, it seems it would be better to  
6 have it deep so everybody else can skim over the top  
7 of it. But, yeah.

8 Well, you guys, I've seen some work  
9 you've done, it seems like when you're all said and  
10 down, a year down the road, you don't even know you  
11 were ever there. You know, you're not going to get  
12 skimpy about putting the black dirt back where the  
13 black dirt goes. You know, if you hit some rock,  
14 you're not going to leave a bunch of rock around for  
15 guys to pick up, I'm sure.

16 MR. LARRY HARTMAN: And typically, as I  
17 mentioned, the agricultural mitigation plan, where  
18 it's crossing ag land, they'll do a double ditching  
19 whereby they'll separate the topsoil from the  
20 subsoil to minimize soil mixing.

21 MR. DANIEL DECOOK: Yeah. And any tile  
22 lines you cut --

23 MR. LARRY HARTMAN: Repair that also.

24 MR. DANIEL DECOOK: -- you're gonna fix  
25 all those up and make sure they're satisfactory, I'm

1 sure.

2 But, yeah, I guess it would be sweet if  
3 everybody could tap into it that's along the line,  
4 but I suppose that's not practical with the pressure  
5 problems. Unless they figure out some kind of  
6 individual regulators that can handle that. That's  
7 probably something an engineer would have to figure  
8 out.

9 Yeah, I don't know, that's a pretty good  
10 area there where that substation is, it's a out of  
11 the floodway and it's flat. And I think it is on  
12 top of that piece there anyway.

13 MR. LARRY HARTMAN: Now, if you're  
14 interested in offering your land, you can always  
15 suggest that also.

16 MR. DANIEL DECOOK: Well, I would want to  
17 be compensated for it like everybody else.

18 MR. LARRY HARTMAN: No, you would be.

19 MR. DANIEL DECOOK: Yeah. I would  
20 definitely offer a chunk for a substation, 'cause I  
21 know it's hard to get anything done for you guys,  
22 and I just know that natural gas is the way to go, I  
23 wish everybody could have it, you know, it's a good  
24 product. So, thank you.

25 MR. LARRY HARTMAN: Thank you.

1           The next speaker card I have is Carol  
2 Overland.

3           MS. CAROL OVERLAND: Good afternoon.  
4 Carol Overland from Red Wing. Welcome to my part of  
5 the world here.

6           First, this is a scoping hearing, so  
7 first I want to make sure that you're including  
8 phased and connected actions in the review of this.  
9 And I heard a mention just recently that -- today,  
10 that Northern Natural Gas is running a line in to  
11 that area, does that mean they're running a line to  
12 that middle part there? Is that what I heard?

13          MS. AMBER LEE: I have not heard that. I  
14 do not know the NNG information --

15          MS. CAROL OVERLAND: Oh, I thought you  
16 just said that.

17          MS. AMBER LEE: I mean, I don't know what  
18 was in the paper today, but Lindsay had said that's  
19 the area where the NNG line will run, yes.

20          MS. CAROL OVERLAND: So there is an NNG  
21 project coming in somewhere that will have an impact  
22 on this?

23          MS. LINDSAY LYLE: Yes. And we have  
24 someone from Northern here as well.

25          MS. CAROL OVERLAND: Just a yes or a no.

1 MR. LARRY HARTMAN: If you could come up  
2 and identify yourself?

3 MR. CRAIG ELLER: My name is Craig Eller.  
4 Yes, as I think Lindsay and Amber have  
5 both mentioned, it's a phased project, so down the  
6 road we will be constructing a line to the  
7 substation that they've indicated there.

8 MS. CAROL OVERLAND: Okay. Then I want  
9 to make sure that that project and any others are  
10 included within the scope of this environmental  
11 review. 'Cause it should include phased and  
12 connected actions.

13 And in addition to that, there is a gas  
14 plant that was proposed and that was an issue during  
15 the CapX 2020 project, and it was suddenly, you  
16 know, scuttled and disappeared, but that has been  
17 resurrected. It just came up again last week, it  
18 was in the Rochester Post Bulletin, and I have some  
19 articles on that. So that is another project that  
20 should be considered, the gas plant that's going to  
21 be at 19th and 60th there. That's something that  
22 should be considered in this as well.

23 And I have some documents on that for  
24 you, for the record. I also have -- so it won't  
25 be -- I'm sure you know about it, but I want to make

1 sure it's considered.

2 MR. LARRY HARTMAN: A gas plant? No, I  
3 don't.

4 MS. CAROL OVERLAND: The gas plant? You  
5 don't know about that?

6 MR. LARRY HARTMAN: No.

7 MS. CAROL OVERLAND: Well, I will be  
8 handing -- who would get these? They're all yours.  
9 I'll post them also on [legalectric.org](http://legalectric.org). That's  
10 l-e-g-a-l-e-c-t-r-i-c dot o-r-g.

11 Another thing that I'm sure you're very  
12 aware of is the pipeline decision from the Sandpiper  
13 case requiring an environmental impact statement,  
14 and I think that in this case a --

15 MR. LARRY HARTMAN: It's not required,  
16 we're going under a different process. The reason  
17 that happened is because it is a certificate of need  
18 also. This project is too short to require a  
19 certificate of need.

20 MS. CAROL OVERLAND: Right. And then  
21 there is no EIS at all.

22 MR. LARRY HARTMAN: That's right.

23 MS. CAROL OVERLAND: Anyway, right, and I  
24 think that's wrong. So I'm going to include -- I  
25 realize that's the --

1 MR. LARRY HARTMAN: That's a different  
2 review process.

3 MS. CAROL OVERLAND: Excuse me, I'd like  
4 to finish what I was saying. I realize that is the  
5 process that was chosen for this project, but I  
6 think that's wrong. So I want to make sure that  
7 this case is entered into the record as well.

8 Something else that should be considered  
9 is that under socioeconomic impacts and safety  
10 impacts, are how this project relates to the city  
11 and county comp plans and the zoning. Because where  
12 it is there, likely Rochester has plans to move west  
13 and southwest. And I'm very concerned about that  
14 because I just settled a case on a pipeline, a gas  
15 pipeline, where a gas pipeline was put in, a  
16 transmission pipeline, and then the city built  
17 houses over the pipeline. Not over the pipeline,  
18 but the yards, right in the backyards, the front  
19 yards of this house. And when you build a new  
20 house, you don't have to let people know, you don't  
21 have to disclose the location of a pipeline in the  
22 disclosure agreement, the disclosure statements when  
23 someone purchases a house.

24 So throughout southern Minnesota there's  
25 been a lot of houses built in this situation where,

1 for example, in my client's case, they were 16 feet  
2 on one side of the house and 23 feet on the other  
3 side of the house from the centerline -- from the  
4 edge of the easement, and then the pipeline was in  
5 another 25 feet. So you're roughly, you know, 30 to  
6 50 feet from the pipeline.

7 And you should consider the -- so you  
8 should consider the county and city comp plans and  
9 what they're looking at for the zoning usage of this  
10 land for land use plans. But, also, consider  
11 safety-wise what is the burn radius if that line  
12 blows. Because if you're talking for 1,000 psi, you  
13 can have a burn radius of up to, you know, 300 to  
14 650 feet. That's a serious problem. And you're  
15 going to be very close to a number of people that  
16 are already there. And if the city has plans to  
17 move out, what that would mean for future growth of  
18 Rochester.

19 And I'm putting two studies in the record  
20 about that for you to consider. One is called Safe  
21 Separation Distances from Natural Gas Transmission  
22 Pipelines. Another one is called A Model for Sizing  
23 High Consequence Areas Associated with Natural Gas  
24 Pipelines. And this is an issue because pipelines  
25 do blow up. And while I was working on this case

1 one blew up in Illinois, it was huge, and thankfully  
2 in that case it was in the middle of a field. But  
3 there could be people here. Very close. And so you  
4 need to consider that.

5 MR. LARRY HARTMAN: For your information,  
6 I've been in discussions with the City of Rochester  
7 regarding their growth plans. I'm sure MERC has,  
8 also, in putting their application together.  
9 Minnesota also has a setback on pipeline, 299J.05,  
10 prohibits any structures within the right-of-way,  
11 however outside the right-of-way is perfectly  
12 acceptable under that existing statute.

13 MS. CAROL OVERLAND: Correct, but that is  
14 not protective. If you're looking at --

15 MR. LARRY HARTMAN: I'm not saying it's  
16 protective, I'm just saying that's what it is.

17 MS. CAROL OVERLAND: Right. And that's  
18 something that should be considered in this  
19 environmental review, because safety is an issue to  
20 consider, and socioeconomic impacts are an issue to  
21 consider. And if you're going to have development  
22 limited to places that are far enough away from that  
23 to be safe, that will take out a big swath of  
24 developable land. Which given most cities have a  
25 two-mile radius of, you know, potential planned

1 expansion, that could have a significant economic  
2 impact in the area.

3 But I'm more concerned about the safety  
4 impact, because this will go close to a lot of  
5 people, and development could go out there and  
6 shouldn't.

7 And that's it for now and I will be  
8 submitting some written comments as well. Thank  
9 you.

10 MR. LARRY HARTMAN: Thank you.

11 The next speaker card I have is Thomas  
12 R-O-E-T-Z-L-E-R. Did I get that, correct?

13 MR. THOMAS ROETZLER: German is hard to  
14 pronounce, yeah. Yes. Thomas Roetzler.

15 I have two questions. I understand you  
16 cannot build buildings 50 feet on either side of the  
17 line? The easement, right?

18 MR. LARRY HARTMAN: The permitted  
19 easement they're looking for is 50 feet in width.

20 MR. THOMAS ROETZLER: 25, 25?

21 MR. LARRY HARTMAN: Total of 50 feet, so  
22 it would be 25 on either side of the centerline.  
23 However, for construction purposes, they also  
24 require a temporary right-of-way to use for  
25 construction work space. And then they might

1 require extra temporary work space where they do  
2 horizontal directional drilling, boring, other  
3 things like that. And then the temporary  
4 right-of-way reverts back to the landowner on the  
5 completion of construction. So they've requested a  
6 right-of-way with 50 feet, so it would be a nominal  
7 width of 25 feet either side of centerline.

8 MR. THOMAS ROETZLER: Okay. No  
9 buildings. Any other land use restrictions besides  
10 that? Can you plant trees?

11 MR. LARRY HARTMAN: No, the feds have  
12 been becoming more vigilant about keeping trees off  
13 of the right-of-way and that's for safety reasons  
14 for inspection. I don't know how MERC inspects  
15 their pipelines. For example, British Petroleum has  
16 a pipeline out there and they might do aerial  
17 inspection, they have to do it under code, federal  
18 code, 26 times a year, and once a year on ground  
19 patrol. I don't know what they do for gas companies  
20 for inspections every couple of weeks, then they  
21 have to do a ground patrol once a year.

22 MR. THOMAS ROETZLER: So trees are out.  
23 Any other restrictions?

24 MR. LARRY HARTMAN: No sheds, pools,  
25 things like that. Now, I know in some cases

1 encroachment has occurred, but for the most part  
2 it's frowned upon.

3 MR. THOMAS ROETZLER: My second question  
4 is about eminent domain. If you use that, will the  
5 landowners receive some sort of monetary reparation?

6 MR. LARRY HARTMAN: Yes. Landowners  
7 can -- once a pipeline routing permit is issued, and  
8 I should have mentioned this earlier, the company  
9 could go out and negotiate for right-of-way during  
10 the permitting process. However, they do it at  
11 their own risk. The fact that you may have signed  
12 an easement agreement with them, they cannot use  
13 that in front of the ALJ or part of the record as a  
14 means for getting their preferred route. It's just  
15 a risk that they take.

16 Once a pipeline routing permit is issued,  
17 they do have the right to use eminent domain. And  
18 typically this is just one county, depending on how  
19 many cases there might be, generally they're  
20 consolidated by the Supreme Court so it just comes  
21 before one judge nowadays. So I just wanted to  
22 mention that. So I don't know if there are any  
23 questions about that.

24 And eminent domain does provide for  
25 compensation. You can't -- typically you can

1 negotiate with the company, if you can't reach an  
2 agreement they can exercise eminent domain then.  
3 Then, again, it's not a question of where, it's just  
4 a question of the amount of damages awarded to the  
5 landowner or landowners in that case.

6 The next speaker card I have is from John  
7 Donovan, D-O-N-O-V-A-N.

8 MR. JOHN DONOVAN: Hello. I just had a  
9 couple questions. Is the U.S. government or the  
10 State of Minnesota the overseeing government agency  
11 as far as safety and specifications and route?  
12 Which is it on this? Both?

13 MR. LARRY HARTMAN: Well, it's both. The  
14 Office of Pipeline Safety, which is in the Minnesota  
15 Department of Public Safety, employs about 18 to 20  
16 people. There are only about five or six states  
17 whereby the state Pipeline Safety Office has the  
18 authorization to inspect interstate natural gas  
19 lines, interstate natural gas lines. Most states  
20 don't do inspection of interstate lines. Minnesota  
21 was one of the first three or five states that have  
22 that authority.

23 So, yes, they act to enforce the federal  
24 standards, which is the federal standards for gas  
25 pipelines, U.S. Code of Federal Regulations, Title

1 49, Parts 192 up through 195.

2 MR. JOHN DONOVAN: And when you're  
3 talking about pipelines, you're talking about gas or  
4 petroleum.

5 MR. LARRY HARTMAN: Petroleum comes under  
6 a different set of statutes, still the U.S. Code,  
7 49, Parts 195 and going forward. One of the  
8 differences between petroleum lines and gas lines,  
9 gas lines have class locations, classes 1 through 4,  
10 and depending on population density along the line  
11 that would determine your class location. So if  
12 you're a school, a day care center, churches, might  
13 build a class 3 or 4 standard. If it's plain  
14 agricultural land, for example, it might be class 2.  
15 I think most of the line is going to be designed for  
16 class 3.

17 MR. JOHN DONOVAN: So if there's problems  
18 with this line down the road a little bit, it's  
19 shallow, it's got, you know --

20 MR. LARRY HARTMAN: Well, 54 inches, it  
21 shouldn't be shallow.

22 MR. JOHN DONOVAN: But if there is a  
23 problem, you deal with the state?

24 MR. LARRY HARTMAN: Yes.

25 MR. JOHN DONOVAN: Because I have the BP

1 pipeline, I mean that substation zone, and it's  
2 extremely shallow, 10 inches.

3 MR. LARRY HARTMAN: Yeah. Now, again, I  
4 don't know when that pipeline was built.

5 MR. JOHN DONOVAN: 1947.

6 MR. LARRY HARTMAN: We didn't have  
7 federal regulations for pipelines until 1969 for  
8 natural gas.

9 MR. JOHN DONOVAN: Well, I can tell you I  
10 was turned over to the feds and I can't get a return  
11 call. So I was wondering who enforces this. And it  
12 may be 54 inches --

13 MR. LARRY HARTMAN: Did you have a  
14 question regarding the British Petroleum pipeline?

15 MR. JOHN DONOVAN: Well --

16 MR. LARRY HARTMAN: More than one, huh?

17 MR. JOHN DONOVAN: Yeah. I'll skip the  
18 British Petroleum, I'm just wondering if the  
19 state --

20 MR. LARRY HARTMAN: It used to be Amoco  
21 years ago.

22 MR. JOHN DONOVAN: Yeah, and it was  
23 Standard Oil when my dad did it. It's been an  
24 issue, I can't farm over the top of it, and I want  
25 to make sure I don't run down the same road with

1 this one, where you can't get anywhere. I called  
2 the state, they said we can't touch it, it's  
3 federal. And I don't want to run down the same road  
4 with this.

5 MR. LARRY HARTMAN: Did you call the  
6 Office of Pipeline Safety?

7 MR. JOHN DONOVAN: Yes, I did. My cousin  
8 works there.

9 MR. LARRY HARTMAN: Oh, okay. Well --

10 MR. JOHN DONOVAN: So the other thing  
11 is --

12 MR. LARRY HARTMAN: -- you're in better  
13 shape than I am, then.

14 MR. JOHN DONOVAN: Is this running -- I  
15 can't tell by the diagram up there -- does this run  
16 in a road right-of-way or does it run on private  
17 property?

18 MR. LARRY HARTMAN: I think it's along  
19 private property. And let me add one other thing.  
20 Gas pipelines, in terms of buckets, there are many  
21 more buckets for gas pipelines to fall into. You've  
22 got interstate lines, which would be companies like  
23 Northern Natural, Great Lakes Natural Gas, companies  
24 like that. We have no jurisdiction over where they  
25 build their facilities, that's strictly FERC

1 related. Then you have intrastate lines and we  
2 regulate those in terms of location. However, MERC  
3 also has a franchise agreement with the City of  
4 Rochester, and under a franchise agreement you can  
5 put your pipeline anyplace on public property under  
6 the terms and conditions of those franchise  
7 agreements. So typically in, say, Rochester proper,  
8 maybe a good portion of it might be in road  
9 rights-of-way. This is outside of the service  
10 district covered by I guess the franchise agreement,  
11 for lack of a better term, so then it would be  
12 subject to ours.

13 Now, years ago I had a project one time,  
14 and I don't know if there's been a change in the law  
15 since then or not, but in the '90s a company could  
16 not have a franchise agreement with a township.  
17 Whether that's changed or not, I don't know.

18 I don't know if that answers your  
19 question, but typically they're going adjacent or  
20 close to road rights-of-way.

21 MR. JOHN DONOVAN: The danger element,  
22 compared to -- let's say the BP pipeline which is  
23 moving petroleum diesel fuel, if this was to be  
24 accidentally hit with a tile machine or a backhoe or  
25 something, are they about the same? I mean, I went

1 online and I looked at some pictures of pipelines  
2 being hit down in Texas and it's like a comet came  
3 in.

4 MR. LARRY HARTMAN: It depends. For gas  
5 lines, if there's a, say, a drain tiler is out there  
6 doing tile, if he ruptures that, if the gas to air  
7 mixture is between, oh, say 5 and 12 to 13 percent  
8 and there's a source of ignition present, you  
9 probably do not want to be there.

10 MR. JOHN DONOVAN: Gotcha.

11 MR. LARRY HARTMAN: Anything less than 5  
12 percent is too lean to ignite. Anything above 13  
13 percent is probably too rich to ignite. So it takes  
14 certain circumstances. And then I forgot all the  
15 specifics, gravity to gas is about 26 to 63 of  
16 relevant air, so it's going to rise and dissipate  
17 the further you get away from the source of the  
18 rupture.

19 MR. JOHN DONOVAN: Thank you.

20 MR. LARRY HARTMAN: And then for crude  
21 oil lines, this is a product pipeline, the product  
22 won't burn, it's the vapors that ignite from that.

23 The next speaker card I have is Mark  
24 Darnell, D-A-R-N-E-L-L.

25 After Mark, our court reporter has asked

1 for a break. So once you're done we'll maybe take a  
2 10-minute break.

3 MR. MARK DARNELL: I'll be short for you  
4 so your hands won't get too tired. Thank you. I'm  
5 also going to speak for my neighbor, Stan Dee, which  
6 is to the west of me.

7 MR. LARRY HARTMAN: Standing next to you?

8 MR. MARK DARNELL: Yes.

9 Our main concern, obviously, if you take  
10 the alternative route that's proposed, the  
11 alternative route that's proposed, we wouldn't have  
12 an issue. The preferred route is -- between the two  
13 of us, we have about 200 acres there, and you're  
14 going to split right down the center of both of the  
15 properties. I mean, you're literally going to split  
16 it right in two coming down --

17 MR. LARRY HARTMAN: Is that in this  
18 portion here then?

19 MR. MARK DARNELL: Correct. Actually,  
20 right where the 8 is on the map, on 40th Street, see  
21 where 40th Street is and the 8 right below it, and  
22 then you see a little short road.

23 MR. LARRY HARTMAN: Here.

24 MR. MARK DARNELL: Yeah. That road right  
25 above it is our road that goes to our residence

1 there. So you're going right across the center of  
2 our property.

3 And what we'd like to propose, and I know  
4 the proper way is to do this through the maps, but I  
5 also want it on record, also, is that, you know, the  
6 more -- it would make more sense to follow a natural  
7 property line than splitting a property line. And  
8 there's two options that you can do doing that. And  
9 by moving that probably about 400 yards to the  
10 south, you're going to go right on both of our end  
11 property lines, which also follows a natural tree  
12 line to the east, and it lines up directly with 48th  
13 Street. If you took 48th Street and shot an arrow  
14 you'd go right across our fence and you would not  
15 disrupt our farming operations or our businesses in  
16 there.

17 So that is it. You know, obviously,  
18 there's going to be some other land that you're  
19 going to cross that other people need to talk about,  
20 but by splitting our properties like that is going  
21 to be a major inconvenience, regardless of the time  
22 of year that you do it. For my property, probably  
23 your most likely time is going to be summertime that  
24 you're going to do it. That's my busiest time on my  
25 property. And that's going to actually separate --

1 I won't even be able to get to my hay field when you  
2 are doing that, so my hay would go to waste at that  
3 point, or whatever.

4 So we just want to get it on record to  
5 make sure that you understand that it would be  
6 better off following a natural property line than it  
7 would be to separating a property.

8 MR. LARRY HARTMAN: So you have 200  
9 acres, so what, 1320 feet, 1280?

10 MR. MARK DARNELL: Approximately.

11 MR. LARRY HARTMAN: It's like 400 yards  
12 south?

13 MR. MARK DARNELL: Yeah. If you used the  
14 alternative property line or the alternative route,  
15 we don't have an issue. That's outside of our  
16 property line. But as an alternative route to that  
17 alternative would be to go straight across just  
18 following the south property line.

19 MR. LARRY HARTMAN: What you might want  
20 to do, is be sure to get maps from back there and if  
21 you want to send it to me, that's fine. I'd  
22 recommend don't fax, because if it's in color they  
23 come out black and white and so I can't read  
24 anything.

25 MR. MARK DARNELL: One other point that

1 I'd just quickly like to make, also, is that by  
2 going the preferred route, that you're going across  
3 the wettest piece of my property. So I hope you got  
4 your swimming trunks on if you're going to do that,  
5 because it is going to sink.

6 MR. LARRY HARTMAN: For the record, can  
7 you tell me what section you're in and what  
8 township?

9 MR. MARK DARNELL: Section 29, Rochester  
10 Township.

11 MR. LARRY HARTMAN: Section 29, Rochester  
12 Township?

13 MR. MARK DARNELL: Yep.

14 MR. LARRY HARTMAN: West half, east half?

15 MR. MARK DARNELL: Probably the west  
16 half. Yeah, west half.

17 MR. LARRY HARTMAN: Okay.

18 MR. STAN DEE: But the line also abuts  
19 our tile lines.

20 MR. MARK DARNELL: Right.

21 MR. LARRY HARTMAN: Okay. Being  
22 parallel?

23 MR. STAN DEE: Yep. Tile lines running  
24 north and south.

25 MR. LARRY HARTMAN: Well, you said next

1 to, I thought you might have meant parallel. Do you  
2 know the spacing on your tile lines?

3 MR. STAN DEE: No.

4 MR. LARRY HARTMAN: Okay. Do you have  
5 maps for them?

6 MR. STAN DEE: No, I don't think so.

7 MR. LARRY HARTMAN: Okay. Well,  
8 sometimes, when they come out to talk to you, they  
9 might ask if you have maps showing where the tile  
10 lines are, which is helpful to them, too, so they  
11 have an idea of where to look rather than cutting it  
12 and knowing you cut it.

13 MR. STAN DEE: Yeah, they were put in  
14 long before my time.

15 MR. LARRY HARTMAN: Sure. Anything else,  
16 gentlemen?

17 MR. MARK DARNELL: No.

18 MR. STAN DEE: No.

19 MR. LARRY HARTMAN: With that, we'll take  
20 a short break. Come back at 3:25.

21 (Break taken from 3:11 to 3:29.)

22 MR. LARRY HARTMAN: Can we get started  
23 again?

24 The next speaker card I have is Raymond  
25 Schmitz, S-C-H-M-I-T-Z. Raymond? He's gone?

1           The next speaker card is -- I think it's  
2 Frances, P-A-S-S-E?

3           Good afternoon.

4           MS. FRANCES PASSE: My sister says every  
5 time that they don't know who it is, you get a  
6 prize, I get double chances because nobody can read  
7 my writing.

8           Where does that pipeline change the size  
9 from 5 to 8 inches?

10          MR. LARRY HARTMAN: Meaning from 13  
11 inches to 8 inches, for a difference of 5 inches?

12          MS. FRANCES PASSE: Um-hum.

13          MR. LARRY HARTMAN: Right here at the  
14 next town border station.

15          MS. FRANCES PASSE: Why are you changing  
16 that size?

17          MR. LARRY HARTMAN: I'm not changing it,  
18 you'd have to ask MERC about that.

19          MS. FRANCES PASSE: Why is it proposed to  
20 change size? Why do you feel is that you need  
21 more -- which way is it going to get --

22          MR. LARRY HARTMAN: I'll defer to MERC on  
23 that.

24          MS. LINDSAY LYLE: Actually, with the new  
25 town border station that's being proposed in the

1 center of the project, that's where we're getting  
2 the majority of our new capacity. So we're seeing a  
3 lot of our growth going more the northwest, so we  
4 added the larger line to accommodate that extra  
5 capacity where we think it's going to be needed. So  
6 that's why it's a 16-inch line today, proposed.

7 MS. FRANCES PASSE: Okay. Then another  
8 thing, right where -- well, I'm concerned about when  
9 you're crossing the river. You cross -- well, you  
10 don't cross the river, but the other pipeline  
11 crosses the river on our property.

12 MR. LARRY HARTMAN: The British Petroleum  
13 line?

14 MS. FRANCES PASSE: Yes. And I can see  
15 the pipe. And I can take you down and show you the  
16 pipe, too, if you want to.

17 MR. LARRY HARTMAN: All right.

18 MS. FRANCES PASSE: And they're deep.  
19 Because there's been a lot of, you know --

20 MR. LARRY HARTMAN: Erosion.

21 MS. FRANCES PASSE: Erosion and fill-in  
22 and so forth. But the pipe is there. They've laid  
23 it up with stone and so forth, wrecked a field  
24 because they went through when laying it up, you  
25 know, they picked about the muddiest time of the

1 year and --

2 MR. LARRY HARTMAN: You mean when the  
3 pipeline was built?

4 MS. FRANCES PASSE: No, when they went to  
5 repair it and that they knew the pipeline was  
6 exposed.

7 MR. LARRY HARTMAN: Okay.

8 MS. FRANCES PASSE: So how do you propose  
9 to cross it? It looks like you'd like to cross the  
10 river because you're particularly moving over so you  
11 do.

12 MR. LARRY HARTMAN: They would -- well, I  
13 think in the application they would do horizontal  
14 directional drilling.

15 MS. FRANCES PASSE: No, you're going  
16 kitty-corner across the river.

17 MR. LARRY HARTMAN: Well, they'd still  
18 dough horizontal directional drilling, if I'm not  
19 mistaken. Which means they'd set up a place to  
20 drill on one side, on the other side they'd have to  
21 place it to pull the pipe back through the bore  
22 hole. So depending, I'm not that familiar with the  
23 river, I was just explaining to somebody earlier, I  
24 had a gas pipeline project in St. Paul a few years  
25 ago going to the new gasifier generating station

1 downtown, and that pipeline crosses the river, and  
2 that pipeline, where it crosses the river, is 60  
3 feet below the bottom of the riverbed. As to how  
4 deep they'd be --

5 MS. FRANCES PASSE: Below the riverbed?

6 MR. LARRY HARTMAN: Below the riverbed.  
7 As to how deep this one could be, I don't know. But  
8 they would -- on horizontal directional drilling,  
9 you go back and set it up and then you'll kind of  
10 angle down with a smaller pipe and you use bigger  
11 drill bits so you can pull the pipe back through.  
12 But you'll have a bend in the pipe.

13 MS. FRANCES PASSE: A bend in the pipe?

14 MR. LARRY HARTMAN: The pipe will be bent  
15 to fit the contour of the drill hole. And then once  
16 that's underneath there, then when it comes up you  
17 weld the pieces of pipe to both sides of that.

18 Lindsay, do you have an idea of how deep  
19 you'd be below --

20 MR. RICK MOSER: We're expecting to be  
21 about 10 feet below --

22 MR. LARRY HARTMAN: About 10 feet below  
23 the bottom of the riverbed.

24 MR. RICK MOSER: And it would be  
25 directional drilling.

1 MS. FRANCES PASSE: 10 feet below the  
2 riverbed?

3 MR. RICK MOSER: Yeah.

4 MS. FRANCES PASSE: You've got to be deep  
5 coming out of there, too, then, because you've got a  
6 hill on both sides.

7 MR. RICK MOSER: Yep.

8 MS. FRANCES PASSE: But you have examined  
9 that piece?

10 MR. RICK MOSER: Yeah, we will be  
11 directional drilling.

12 MS. FRANCES PASSE: Has anybody looked at  
13 it now?

14 MR. RICK MOSER: The bore isn't  
15 engineered at this point.

16 MR. LARRY HARTMAN: They'd have to go out  
17 and do soil testing, determine soil conditions. You  
18 know, you wouldn't want your drill hole to collapse  
19 on you, so you might use some other types of  
20 materials to stabilize the hole. For big rocks  
21 there you'd try to find a different location also.

22 MS. FRANCES PASSE: Good. Because we are  
23 way out in the country. But because the road went  
24 through, we have a 16-foot high road right-of-way  
25 when you look off the road right there because it

1 was so far down, they had to go down so far.

2 And I'm also concerned, if you go on the  
3 alternate road, I was all for the alternate path,  
4 but how do you go according to the road then? Which  
5 side of the road do you go on?

6 MR. LARRY HARTMAN: I'm not familiar with  
7 which side of the road.

8 MS. FRANCES PASSE: I know where it turns  
9 off 60th Avenue, right at the end of 60th Avenue, so  
10 you come right down 60th Avenue -- no, south.  
11 You're on the wrong avenue, 60th is -- see where the  
12 Zumbro River goes?

13 MR. LARRY HARTMAN: Oh, here.

14 MS. FRANCES PASSE: Come straight down.  
15 Which side of the road are you going to go down?

16 MR. LARRY HARTMAN: Standing here in  
17 front of this I can't tell anything.

18 Do you have any idea? They're looking it  
19 up over there.

20 MS. AMBER LEE: Rick will look for you  
21 here.

22 We'll be going on the west side of that.

23 MS. FRANCES PASSE: Good. So we can get  
24 my spot ready for his brand new building. So that's  
25 great. That's fine. You're going on the west side

1 of the road, that's the best news I've heard today.

2 MR. LARRY HARTMAN: Well, come back  
3 tomorrow then.

4 MS. FRANCES PASSE: Yeah. Take the  
5 alternative route, don't go kitty-corner across our  
6 field or I'll do anything in my power to stop you  
7 from where you go across there.

8 MR. LARRY HARTMAN: Do you have any other  
9 questions, ma'am?

10 MS. FRANCES PASSE: No, that's it.

11 MR. LARRY HARTMAN: The next speaker card  
12 I have is Dennis Dore, D-O-R-E.

13 MR. DENNIS DORE: Good afternoon.

14 First thing I have is a couple questions.  
15 The proposed route, the way it looks like it  
16 currently goes is north of 40th Street where it  
17 crosses 63. That's a protected wetland so I'm  
18 wondering if you get an easement for that or what  
19 happens. If it's south of 40th Street, then you've  
20 got a problem, because there's a transfer station  
21 there for storage for the two hotels, and there's  
22 two new apartment buildings going up.

23 The second question is that the  
24 alternative route looks like it goes down 45th  
25 Street, which is on the south side of a new

1 development for Boulders. And I'm wondering, if  
2 that's the case, does that mean that the district  
3 station now goes south -- or east, I should say, of  
4 the Boulders on 45th Street, or do you cut back  
5 across up to where you were going to put it up on  
6 40th Street?

7 MS. AMBER LEE: We're asking Lindsay to  
8 help with this one too.

9 MR. DENNIS DORE: Once you cross 63, that  
10 whole area north of 40th Street is protected  
11 wetlands.

12 MS. LINDSAY LYLE: Right. That's why  
13 that area is shaded in kind of an orangey area, is  
14 that is not set, that depends on where the route  
15 comes in and where we would actually be able to set  
16 up a station.

17 MR. DENNIS DORE: Okay. And if you take  
18 the alternative route, which the proposed route goes  
19 north of my property, the south -- or the  
20 alternative goes south of my property, or -- yeah,  
21 south of my property. But would the district  
22 station now change to be at the end of the  
23 alternative route or do you swing back up to where  
24 you were going to put it before?

25 MS. LINDSAY LYLE: Both could be right.

1 I think it depends on where the proposed -- or where  
2 our route is approved and where we could actually  
3 negotiate a route to stop at an end point and  
4 actually have an above grade for our station.

5 MR. DENNIS DORE: Okay. I believe it's  
6 also protected wetland at the end of your  
7 alternative route on 45th Street, too, just east of  
8 the new development.

9 The second thing I have is mainly a  
10 comment. You said that the majority of the  
11 development that you were preparing for with the  
12 size of the pipelines was north and west. Just in  
13 the last 12 months we've had 80 townhomes and over  
14 410 apartments and two new hotels go up in the  
15 southeast section and they're continuing to build  
16 down there. I question if you're not going to run  
17 out of capacity here shortly if they decide to start  
18 selling some of that property to the south and east  
19 of us for development, too.

20 MS. LINDSAY LYLE: We actually currently  
21 have a town border station, that's the far east dot  
22 that had a little bit extra capacity. So center  
23 part is really to cover for the growth that we're  
24 seeing today. Where we're really -- the deficit on  
25 capacity is the west station and that's where we're

1 seeing -- it's the way our system is installed  
2 today, I can't push the gas up to the northwest. So  
3 that's why we're looking to pull that capacity up.  
4 In the grand scheme of things, I think you have  
5 two-thirds through one and one-third through the  
6 other.

7 MR. DENNIS DORE: I'd be interested when  
8 it gets to the point, if you decide to go with the  
9 proposed route, where the district station would go.  
10 'Cause, like I say, we can't go south of 40th  
11 because there's a pond there, north of 40th is  
12 wetlands, and then just east of that pond is a whole  
13 new development that's being built right now. And  
14 there's also a substation for sewer there that's a  
15 big pumping station that goes out.

16 So as you get along, if you have more  
17 detailed drawings that could be available, and I  
18 turned in my card for updates on it, I'd be  
19 interested in seeing those.

20 MR. LARRY HARTMAN: Dennis, can I ask you  
21 to do me a favor? The apartments and everything  
22 else you're talking about, could you point that out  
23 to me on this map so I know?

24 MR. DENNIS DORE: Yeah. Right now, I  
25 can't read it on here, but I believe this is 40th

1 Street, and this would be 63 and 52. Well, when you  
2 cross 63 on 40th Street, 40th Street right now dead  
3 ends right here and there's St. Bridgette Road. But  
4 they're working on putting the road through to --  
5 actually, I'll back up a bit. This whole area right  
6 in here is a whole new development going in and  
7 there's a pumping station right here for sewer. And  
8 then there's two big apartment buildings and a  
9 clubhouse and all that going in. And then this one  
10 here, the alternative route, goes on 45th, and  
11 there's a huge development that's in the finishing  
12 stages right now of 80 townhomes and two apartment  
13 buildings with 105 apartments each. And just past  
14 45th Street, past that development, there's another  
15 wetlands area. So you got wetlands here, wetlands  
16 here, a pond here, and this is all developed right  
17 now.

18 MR. LARRY HARTMAN: Okay. Thank you.

19 I don't have any other speaker cards.  
20 Are there any other members of the public who have  
21 questions they'd like to ask now?

22 Yes, sir.

23 MR. DOUGLAS CRANSTON: Douglas Cranston,  
24 D-O-U-G-L-A-S, C-R-A-N-S-T-O-N.

25 On the size of the pipe capacity and so

1       forth, are there plans to put in the capability to  
2       handle a puncture or something? I can't imagine it  
3       now, even without it, trying to stop something like  
4       that. Like let's say it got ignited or it's  
5       spilling and then, like, will there be enough  
6       capacity in the City of Rochester as far as fire  
7       trucks and so forth to handle something that size?

8               MR. LARRY HARTMAN: I'm assuming there  
9       will. Most entities have training for emergency  
10      responders on something like that. I forget how  
11      often it's required to have training like that on  
12      the gas side, I'm a little bit more familiar on the  
13      liquids side. Typically, if you look at probably  
14      your gas transmission lines, they're probably safer  
15      than the distribution lines coming into your house.  
16      For example, on your gas transmission lines, one,  
17      they're, I guess, designed with safety in mind given  
18      the depth of burial requirement. Typically,  
19      third-party incidents are the major cause of  
20      accidents, which is why we have the Gopher State One  
21      system or the 811 system. Also, wherever you have  
22      gas lines there are road markers at every single  
23      road crossing for a gas pipeline also. Gas, if you  
24      look at the statistics on the PHMSA home page, which  
25      also those numbers are on the Pipeline Safety's

1 Office of the State of Minnesota, and you'll see the  
2 number of incidents, either gas or liquid line leaks  
3 are coming down and they have come down  
4 significantly over the last 15, 20 years. The  
5 Gopher State One call system went into effect in  
6 1998, I believe, and that's had a tremendous impact  
7 in terms of reducing the number of accidents. Not  
8 to mean something couldn't happen or won't happen.

9 MR. DOUGLAS CRANSTON: I was under the  
10 impression that this system was going to be at 500  
11 pounds per square inch.

12 MR. LARRY HARTMAN: Well, the eastern end  
13 is going to be lower than 500, it has the capability  
14 of going up to 500. I think the initial plans are  
15 to 275 psi.

16 MR. DOUGLAS CRANSTON: But then I heard  
17 900 psi earlier.

18 MR. LARRY HARTMAN: 900, that's coming  
19 off the Northern Natural system.

20 MR. DOUGLAS CRANSTON: So which one comes  
21 in up at the northern station now?

22 MR. LARRY HARTMAN: That would be -- that  
23 is fed by Northern Natural Gas also to that town  
24 border station.

25 MR. DOUGLAS CRANSTON: But then after

1 this is installed, it could go to 900, this system?

2 MR. LARRY HARTMAN: No, this is designed  
3 to be operated at a maximum capacity of 500 psi.

4 MR. DOUGLAS CRANSTON: Oh, okay. And  
5 then is there a line coming in from the south now to  
6 the orange-shaded area?

7 MR. LARRY HARTMAN: That I don't know.

8 MS. LINDSAY LYLE: There is. There's a  
9 line -- it's not shown on the map, but there is a  
10 line that kind of goes in an angle up towards that  
11 purple dot.

12 MR. DOUGLAS CRANSTON: So right now we're  
13 getting fed from the west and the south?

14 MS. LINDSAY LYLE: Yes.

15 MR. DOUGLAS CRANSTON: And then will  
16 those be upgraded?

17 MS. LINDSAY LYLE: The northwest one  
18 will, and we'll get a new point in the middle there,  
19 and then the other one will go away. So we'll be  
20 left with two still.

21 MR. DOUGLAS CRANSTON: Okay. That's it  
22 for me.

23 MR. LARRY HARTMAN: Any other questions  
24 from anybody?

25 If not, I'd like to thank you for

1 attending. We'll have another meeting this evening  
2 beginning at 6:00 here also.

3 Again, I'd like to remind you, if you  
4 didn't pick up the handouts back there on the table,  
5 please pick them up. And also, if you have any  
6 routes you'd like to recommend or route segments, or  
7 just to make comments, those need to be postmarked  
8 by April 13th. Again, you can e-mail them to me,  
9 you can fax them to me. Mail also works.

10 And I'd like to thank you for coming.  
11 Again, we'll be here for a while afterwards, if you  
12 have any other questions I'll be glad to answer  
13 whatever I can.

14 Thank you.

15 (2:00 meeting concluded.)

16 (6:00 meeting)

17 MR. MICHAEL KALUZNIAK: Good evening.

18 My name is Michael Kaluzniak, I'm a staff  
19 person with the Minnesota Public Utilities  
20 Commission. Thank you for coming out tonight.

21 We are here to discuss the application  
22 from Minnesota Energy Resources Corporation for a  
23 Gas Pipeline Route Permit around the City of  
24 Rochester.

25 The Commission issued a notice on

1 February 4 with this meeting. Much of the items I  
2 have to say are enclosed in this document and I'm  
3 not going to spend a great deal of time going  
4 through my presentation because it is longer than I  
5 would usually make them.

6 We're here to explain the Commission's  
7 review process, which is my portion of the program  
8 tonight. Then a representative from MERC will  
9 provide information about the proposed project.  
10 Then a member of the staff from the Department of  
11 Commerce, Energy Environmental Review and Analysis  
12 group, our sister agency, will be here to discuss  
13 collecting information for route alternatives. And  
14 we'll all be here to answer any questions you might  
15 have.

16 As I said, I work for the Public  
17 Utilities Commission. The PUC is a state agency, a  
18 five-member body, we regulate gas, electrical  
19 utilities, telephone, telecom issues, natural gas  
20 utilities, a lot of policy directives from the  
21 legislature and so forth. We're a pretty small  
22 group, there's 50 staffers, and about four or five  
23 in my unit, and we process approval requests for the  
24 development of energy generation and transmission  
25 throughout the state, including power plants,

1 transmission lines and so forth.

2 This project requires a natural gas  
3 permit just by the fact that it will operate at a  
4 pressure of over 275 pounds per square inch. And  
5 you'll see we've identified the statutes and rule  
6 sections that apply to this project itself. Larry  
7 from the Department of Commerce will explain that in  
8 greater detail later. I think I just mentioned  
9 who's who.

10 In making its decision for the route  
11 permit, we're really doing two things at the  
12 Commission. We're determining the final location of  
13 the project itself as well as any route permit  
14 conditions. In doing so we look at several factors  
15 that are listed here. Part of this process requires  
16 that we have an environmental document produced, the  
17 Department of Commerce produces a comparative  
18 environmental analysis that will be drafted for  
19 public review and ultimately forwarded to the  
20 Commission as part of its decision-making process.

21 Similar with that there's a separate  
22 track that you see here, which is the administrative  
23 law judge's report, that comes about through the  
24 public hearing process, where the applicant will  
25 present testimony and information supporting their

1 case. If there's intervening parties participating,  
2 other interested folks that hire attorneys to  
3 participate in the process they can file through  
4 that as well. But there are also several public  
5 information pieces that are identified here.  
6 There's three points at which you can participate  
7 and we do rely greatly on the public because nobody  
8 knows your neighborhoods better than you do. So we  
9 thank you for that.

10 We're here at the first one, which is the  
11 second box, the public information meeting piece,  
12 and what we've asked is we want help identifying the  
13 alternatives that may be available for the route as  
14 well as provide information that we might use in  
15 developing the comparative environmental analysis  
16 between those routes.

17 Once this information is collected, the  
18 Department will release the comparative  
19 environmental analysis document for public review,  
20 as I mentioned. We will have a second meeting prior  
21 to that time, and then we'll have a public hearing,  
22 which is when the matter is brought before an  
23 administrative law judge. It's a bit formal, it's  
24 something like a court trial, if you will, but not  
25 quite as serious, I guess. We're pretty casual if

1 we can be.

2 After that time the administrative law  
3 judge will write a report for the Commission's  
4 consideration, including recommendations on route  
5 selection. The Commission will typically look at  
6 that document and make a decision within 60 days of  
7 that time.

8 This is a very crude estimate of the  
9 project timeline, I'm sure it's out of date by now,  
10 this was drafted several weeks ago. We will be  
11 meeting with the administrative law judge on  
12 March 15 to begin nailing down some of these dates  
13 and we'll have a better idea when the order is filed  
14 to our website defining that after that time.

15 Larry will speak to how to send comments  
16 as well, I won't go through this piece right now,  
17 but he you will bring those up. There is several  
18 ways that you can stay in touch about developments  
19 within this docket. The easiest perhaps is to check  
20 our website or the Department of Commerce's website.  
21 Commerce maintains a project-specific website, kind  
22 of the higher points of the more important things  
23 that you might want to know. Commission dockets  
24 typically, because it's a legal proceeding, we  
25 develop these electronic dockets, and every

1 document, I don't know if you can see this or not,  
2 but every document that's submitted is listed here  
3 along with its submittal date and so forth and we  
4 keep track of all of those. You can have an e-mail  
5 every time somebody posts to this if you like  
6 through our website, and we'd be happy to help you  
7 do that as well.

8 We also have a project list that we've  
9 developed to assist the public in participating,  
10 especially at those times when we're accepting  
11 public comment. And Adam -- excuse me, Andrew in  
12 the back has some orange cards that he can help  
13 locate for you and you can fill those out and then  
14 we'll notify you by e-mail when information is  
15 available. You can also go online on our website  
16 and pull up the docket number itself. So as you see  
17 in this notice, our docket number is 18- -- or  
18 excuse me, 15-858, which is identified at the top  
19 here. And that will bring up all that information.  
20 If you care to research something, if you want to  
21 see maps, if you want to find the application  
22 itself, or any of the filings and materials,  
23 including these presentation materials, which you're  
24 welcome to take home, of course, any time, 24-7.  
25 And this is just describing that as well.

1           Again, my name is Michael Kaluzniak, I'm  
2           the energy facility lead staff on the project. The  
3           public advisor, Tracy Smetana, isn't here today, she  
4           often is the person to contact about participating  
5           in the project. I tend to do more of the analytical  
6           side of helping the project through on our end once  
7           the project comes back for a decision.

8           So I'm here to answer any questions you  
9           may have about the process. I will turn it over to  
10          MERC.

11          Thank you.

12          MS. AMBER LEE: Hi. I'm Amber Lee with  
13          MERC. And we are the applicant in this proceeding,  
14          as Michael has said.

15          A little bit about our company. We are  
16          the sole provider of natural gas in the City of  
17          Rochester. As you can see on the map, we also serve  
18          areas all the way up to the northern border and the  
19          western borders as well. So we have a pretty  
20          diverse supply-side in that we're in many different  
21          communities, 177, with a total of 230,000 customers.  
22          We are a Minnesota company and all of our customers  
23          are Minnesota based.

24          So, like I said, we are the only provider  
25          of natural gas in the City of Rochester and this

1 project is all about increasing our capacity to  
2 serve the City of Rochester and the surrounding  
3 communities.

4 The project for us will help us serve  
5 existing load and it will also help serve the future  
6 load. As you all know, the City of Rochester has  
7 grown quite rapidly in the last 10, 15 years, and we  
8 project the same level of growth for the next 10 or  
9 15 years. And right now we are at capacity. We  
10 don't have any capacity available to us on the  
11 interstate pipeline.

12 So our project really encompasses two  
13 pieces. We need to upgrade the interstate line  
14 coming from Northern Natural Gas, NNG, and then we  
15 also have to improve our own distribution  
16 operability.

17 You can see here, this is the capacity  
18 that we are at. So right now we are currently  
19 taking about 550,000 therms from the Rochester take  
20 point, from the NNG line. And as you can see, we  
21 are below our current peak forecast and we only see  
22 that difference growing. So the upgrade for NNG  
23 will allow us to meet that forecast demand.

24 The project for our piece on the  
25 distribution upgrades actually involves our piping

1 on the west and south sides of Rochester. I'll flip  
2 to the map here.

3 This is the area that we studied when we  
4 realized we're going to need to do something  
5 quickly -- well, actually, not quickly, because we  
6 realized this many years ago, but it was imperative  
7 to do some good planning for our Rochester  
8 development. And we started with the Rochester area  
9 and then eventually got to our preferred route based  
10 on existing right-of-way, et cetera, all sorts of  
11 routing factors.

12 So I'll just show you real quickly what  
13 our project entails. The purple line there is our  
14 preferred route. The dashed line is the route  
15 alternative. Our project will be done in phases,  
16 and it starts up in the northwest segment of the map  
17 here. And that's a TBS, which will be upgraded at  
18 the end of this year.

19 MS. LINDSAY LYLE: '17 or '18.

20 MS. AMBER LEE: Okay. And then five  
21 miles of pipe down to a new TBS that will be built  
22 right there in the center of the map, I'll just  
23 point to it here. Right there. And then eight  
24 miles of pipe over here to the east to a district  
25 regulator station that will be built.

1           So the TBS, the town border stations, are  
2 what allows us to pull the gas off the high pressure  
3 interstate transmission line and bring it down to  
4 pressures on our high distribution -- high pressure  
5 distribution system. And then the district  
6 regulator station allows us to decrease that  
7 pressure so we can get it out to the homes.

8           So that's the project in a nutshell.  
9 Again, it will be a phased project, we go from the  
10 TBS down to a new TBS over to a new DRS.

11           The construction of it, you can see kind  
12 of here, it's what we call -- I keep forgetting what  
13 we call it. Assembly line construction, meaning --  
14 these pictures are a little bit better -- we first  
15 trench and then lay the pipe in pieces next to the  
16 trench, then weld the pipe. And then once the pipe  
17 is welded and inspected, we put that into the trench  
18 and then backfill. And you'll see that the  
19 remediation that we do is meant to, you know,  
20 completely ameliorate the construction effects.

21           And these, just so you're aware, these  
22 are what a typical town border station looks like.  
23 These are actually existing MERC facilities. And  
24 then these would be the district regulator stations,  
25 so quite a bit smaller. And these, I think we have

1 close to 80 district regulator stations within  
2 Rochester.

3 So thank you very much for coming and we  
4 will be available for questions after the Department  
5 of Commerce speaks.

6 MR. LARRY HARTMAN: Good evening. My  
7 name is Larry Hartman and with me is Andrew Levi  
8 back here at the table. And Andrew and I will be  
9 working on this project for the duration of its  
10 permitting process with the Minnesota Public  
11 Utilities Commission.

12 Andrew and I reside over at the Minnesota  
13 Department of Commerce on the Energy Environmental  
14 Review and Analysis staff. Again, we do a lot of  
15 the environmental review for high voltage  
16 transmission lines, pipelines, wind farms, power  
17 plants, et cetera, if they're of a certain size.

18 As previous speakers have mentioned, this  
19 will be the Rochester natural gas pipeline project.  
20 The State of Minnesota started regulating the  
21 location of pipelines in kind of the late '80s, the  
22 last century. And the governing of, I guess, the  
23 location of pipelines is set forth in Minnesota  
24 Statute 216G. There are a number of other things in  
25 that statute that relate to pipelines. They've

1 occurred over periods of time. And it's somewhat  
2 been hard to be able to read and interpret that  
3 statute. Rather than going back and seeking  
4 clarification, we've tried to learn to work with its  
5 imperfections rather than trying to seek a change  
6 and making it worse than it might be.

7 The enabling legislation led to the  
8 development of Minnesota rules, which is 7852, and  
9 those rules were approved of by the then Minnesota  
10 Environmental Quality Board.

11 Typically, in permitting energy  
12 facilities, you might have two tracks. One might be  
13 the permitting process, per se, and then the  
14 environmental review track.

15 For pipelines, after the rules were  
16 adopted, we went back and had the Minnesota  
17 Environmental Quality Board determine that they  
18 represent an alternative form of review. So the  
19 application, the permitting process for  
20 environmental review are kind of combined into one  
21 process versus two distinct and separate processes.

22 And within the permitting process for  
23 pipelines there are two primary review procedures.  
24 They are undertaking what they call the full review  
25 process. Those rules require that when they submit

1 an application that they have a preferred line route  
2 and evidence of consideration of alternative line  
3 routes also. The application also includes certain  
4 environmental information.

5 And, again, to explain the process a  
6 little bit. This would be the first of two public  
7 meetings. The pipeline rules require we hold a  
8 meeting, a public meeting such as this in every  
9 county in which a pipeline is proposed, so this  
10 would be the first meeting. We had a session  
11 earlier this afternoon. And then we'll be back for  
12 another public information meeting just prior to the  
13 start of the hearing to give everybody an update as  
14 to where we are, and then after that meeting is over  
15 the hearing would then begin.

16 The hearings, as Mike mentioned, will be  
17 presided over by an administrative law judge from  
18 the Office of Administrative Hearings, who will hear  
19 all the evidence in the matter and then prepare a  
20 report and present that to the Commission for a  
21 final determination.

22 This is kind of a schematic of the  
23 permitting process. And as you can see, we're kind  
24 of at the early stages. The purpose of this meeting  
25 is primarily, one, to share information with you

1 about the project, the PUC process. The applicant  
2 to explain the project. And I guess for my end of  
3 it, to explain how the review process works going  
4 forward.

5 And we've got three handouts back there  
6 on the table by Andrew. One is a public comment  
7 form, so if you have any comments regarding the  
8 project this would be the thicker stock paper back  
9 there. It tells you how to submit those comments.  
10 They are due by the close of business on April 13th,  
11 2016, at least postmarked by that date. We also  
12 receive them by e-mail, fax, U.S. mail. I guess I  
13 don't know if there are any other ways or not.

14 Also back there, and you can submit  
15 comments if you have a concern about a certain  
16 impact where the route is, you're free to comment on  
17 that, or anything you'd like to. The second piece  
18 of paper I have back there is a single sheet and is  
19 how to suggest an alternative pipeline route. The  
20 front side of that lists basically a little bit of  
21 background, walks you through step by step the life  
22 of your alternative, should you propose one, and  
23 also has suggestions as to what you need to do for  
24 submitting a route.

25 Basically you need a map. The better the

1 map, the more helpful that is to us. If you have a  
2 colored map, please don't fax it to me with your  
3 line drawn on it because that shows up in black and  
4 white, so if you try to illustrate anything it's  
5 going to be lost in the grayness of the fax. So,  
6 again, if you want to propose an alternative route  
7 and/or route segment, you need to do that by  
8 April 13th of this year.

9 The way the route permitting for the  
10 route process works, in terms of proposing  
11 alternatives. If I get your alternative on the last  
12 day, I have then 10 days to turn around and get that  
13 back to you and say it might be missing this  
14 information or you need to add that, we'll generally  
15 work with you to help you get that information, if  
16 possible. Sometimes we're pretty casual about what  
17 we need and we'll take the onus upon ourselves to  
18 develop that in a timely fashion for the record in  
19 this proceeding. So, again, if you want to submit  
20 any comments, either tonight, you can turn the form  
21 in, but please submit it by April 13th of this year.

22 The third document I have back there is  
23 kind of a template or a draft scoping document for  
24 the comparative environmental analysis. It gives  
25 you a little bit of an introduction, talks about the

1 proposed project, the regulatory background, the  
2 permit, and then generally things we look at, the  
3 environmental review component of that.

4           Again, we would expect that we would have  
5 the first cut of the document available sometime in  
6 July. The way the Commission ordered their order on  
7 this matter, we will be responding to any -- we'll  
8 be putting that document out for public review and  
9 comment, it's probably a two-week review and comment  
10 period. Then the Commission has asked that we  
11 respond to those comments, attach them to the  
12 document, and submit that as prefiled testimony 14  
13 days prior to the start of the public hearing. So I  
14 would expect that document should be available  
15 sometime in August, assuming the schedule is held.

16           Scoping meetings. Basically it's to  
17 identify any issues or impacts, human,  
18 environmental, that you might have, or concerns you  
19 might have about this project to be included in our  
20 analysis. You can also participate in the  
21 development of alternative routes and/or route  
22 segments.

23           Again, the Commission would only consider  
24 route alternatives approved of by the PUC. So that  
25 means when you go to the Commission, let's say in

1 June, for example, and the Commission approves  
2 whatever line routes are submitted, they have to  
3 consider the applicant's preferred and alternative  
4 routes and any other routes that come in. That  
5 would define the parameters of the routes to be  
6 examined during the public hearing process. So you  
7 can't come to the public hearing and suggest a  
8 route, it's too late, it has to be identified early  
9 on so we can do the work on developing information  
10 about that, which would be included by us in what we  
11 submit for documents.

12 Again, as I mentioned, this is an  
13 alternative review process so it's kind of folded  
14 into one rather than two permitting procedures. The  
15 objective and analysis, we would look at the impact  
16 mitigations -- or mitigation measures, permit  
17 conditions, other things like that for the  
18 Commission.

19 Again, if you're going to submit  
20 alternative routes or route segments, please use an  
21 aerial map if you -- or aerial photo, if you can.  
22 USGS highway maps, plat books. Just be sure to make  
23 it clear. If there is any question about anything  
24 or how to do it, please call me or Andrew at your  
25 convenience.

1           For your information, I don't think it  
2           has been mentioned, MERC has a mapping station back  
3           here with two people and so if you need maps, aerial  
4           photos, I guess I don't know what maps are available  
5           back there, so you might want to go back, and if you  
6           need a map, you'd like to get maybe a copy or two  
7           before you leave tonight. If you want to send  
8           something in you might want to send it to me, but  
9           keep one for your own files also.

10           If you have, I guess, suggestions  
11           regarding alternatives to the project to mitigate an  
12           impact, whether it's land use, natural resource  
13           impact, others, tell us the impact that you're  
14           trying to mitigate or avoid for land use or what  
15           you're trying to avoid. Saying I don't want it on  
16           my land, put it on my neighbor's land, that doesn't  
17           do me much good at all, it probably won't do you  
18           much good in the long run.

19           I have a few examples here of alternative  
20           routes. Most of them are transmission lines. I  
21           forget where this one was, and the alternative route  
22           was proposed to avoid historic property, just as an  
23           example. This one was a realignment with a county  
24           road being built someplace and I don't know where.  
25           This was to avoid a memorial site, based on what it

1 says. Again, this is relatively short project 13  
2 miles. This is a map of the project in northern  
3 Minnesota for a crude oil pipeline about 300 miles  
4 in length going from the North Dakota border to  
5 Superior. And we've had some alternative routes  
6 that are almost 300 miles in length also. So this  
7 is just an illustrative example of what alternatives  
8 might look like.

9 Besides the Commission there are a number  
10 of other state agencies who are involved in the  
11 permitting or regulatory control of pipelines. The  
12 Minnesota Department of Agriculture prepares a  
13 agricultural impact mitigation agreement. MERC and  
14 Ag will work to develop that and it'll be available  
15 prior to the start of the public hearings. That  
16 becomes a part of the permit when issued by the  
17 Commission. The Minnesota Department of Natural  
18 Resources is the agency responsible for permitting  
19 pipelines on public lands administered by DNR. And  
20 there are two types of permits, one for crossing  
21 public lands, the others for public waters. So that  
22 might need two permits. Let's say there's seven  
23 stream crossings. The water body crossing might be  
24 one permit identifying those seven crossings, how  
25 they're to be crossed, perhaps. The others are

1 crossing of public lands, the DNR also issues  
2 permits for water withdrawal. The Minnesota  
3 Pollution Control Agency issues the NDPS permit, the  
4 water discharge permit from hydrostatic testing.  
5 Another agency involved is also the Office of  
6 Pipeline Safety, which is in the Minnesota  
7 Department of Public Safety. Pipelines, in terms of  
8 safety regulations, pipelines are regulated at the  
9 federal level by PHMSA, which stands for -- I keep  
10 forgetting what it stands for, pipeline material  
11 safety hazards?

12 MS. AMBER LEE: Hazardous material.

13 MR. LARRY HARTMAN: Just use pipeline  
14 safety, it's so much easier. Those are found in  
15 U.S. Code 49, Part 192 for natural gas lines, Part  
16 195 for liquid lines. So those are the federal  
17 standards.

18 The state is also authorized as an  
19 inspector of the federal Office of Pipeline Safety,  
20 they inspect both interstate natural gas lines, that  
21 might be gas lines being built by Northern Natural  
22 Gas, which is an interstate operator. Intrastate  
23 pipelines, which would cover companies like MERC.  
24 Also franchised pipeline company, or those that have  
25 franchises also. So the state, Minnesota is

1 actually one of several states that has inspection  
2 or has inspection authority as an agent of the  
3 federal government for both liquid and gas lines.

4           Again, this is kind of the anticipated  
5 project schedule. This might be indicated earlier,  
6 we're going to be holding a prehearing conference  
7 on, I believe, Wednesday, March 15th, at 10:00 in  
8 the morning. That's for basically parties to  
9 participate. MERC is a part of the proceeding,  
10 Northern Natural Gas, I believe, is a party to the  
11 proceeding because of their involvement in providing  
12 gas to MERC. We are not a party. Parts of  
13 Commerce, a different section than the one I'm in,  
14 is also a party. I'm not aware of anyone else who  
15 is a party at this point in time.

16           Being a party gives you the right to  
17 present final oral argument to the Commission. It  
18 doesn't mean they don't accept comments from other  
19 people also, but you do not have to be a party to  
20 participate. If you're a party, that means you also  
21 have obligations to participate and meet the filing  
22 requirements established by the ALJ.

23           Again, you can submit comments tonight  
24 during the question and answer period. You can  
25 submit the comment form to us that can be mailed,

1 faxed, or e-mailed to me. And, again, the form has  
2 my address on it. All you have to do is fold it,  
3 Scotch tape it, or tape it, it doesn't have to be  
4 Scotch tape, and put a stamp on it and mail it to me  
5 and try to have it postmarked by April 13th.

6 After we've received all the comments, if  
7 we have any questions regarding the route  
8 alternatives we receive, we'll be contacting you if  
9 we need clarification or more information.

10 Once all of those have been submitted  
11 we'll be presenting a paper to the Commission with  
12 our comments and recommendations on route  
13 alternatives. I imagine we would submit those in  
14 June sometime. And then the Commission, as to when  
15 it fits into their schedule. So once they determine  
16 the routes, we'll then complete the comparative  
17 environmental analysis and submit that into the  
18 record.

19 Again, I guess we'd like -- that  
20 concludes my presentation. If there are any  
21 questions you have of me I'll be glad to take them.

22 I'd like to remind you, one speaker at a  
23 time. Please spell your name for the court  
24 reporter. And Janet is here behind me. Limit your  
25 comments to a few minutes in case there are numerous

1 speakers. Try to be respectful. And please try to  
2 limit your questions to the scope of the project in  
3 the CEA.

4 With that, are there any questions from  
5 anyone? Did anyone fill out speaker cards?

6 MR. ANDREW LEVI: No.

7 MR. LARRY HARTMAN: We had speaker cards  
8 back there, but, again, this group is small enough,  
9 if you've have questions, please raise your hand and  
10 state your name.

11 MR. BRUCE RYAN: I have one.

12 MR. LARRY HARTMAN: Yes, sir.

13 MR. BRUCE RYAN: My name is Bruce Ryan.

14 MR. LARRY HARTMAN: Come up to the  
15 microphone, please.

16 MR. BRUCE RYAN: Yeah. Okay. Bruce  
17 Ryan. Along 60th Avenue Southwest.

18 And I see the proposed route is right  
19 through a corner of my property, and there's mature  
20 trees, they're real nice, mature trees, and there's  
21 an open farm field probably less than 50 feet from  
22 those trees. How likely or is it possible if I did  
23 submit that that they would consider moving into  
24 that field rather than disrupting all the trees?

25 MR. LARRY HARTMAN: Anything is possible,

1 sir.

2 MR. BRUCE RYAN: Okay.

3 MR. LARRY HARTMAN: So it's certainly  
4 worth submitting. I'd encourage you to do that.  
5 Again, if you need a map, either Brian back there or  
6 the other gentleman can help you.

7 Did you have something to say, Brian?

8 BRIAN: No. I was just raising my hand  
9 so he knew who I was.

10 MR. LARRY HARTMAN: Any other questions?  
11 Did you have a specific address?

12 MR. BRUCE RYAN: Yeah. It's 3504 60th  
13 Avenue Southeast.

14 MR. LARRY HARTMAN: 16th?

15 MR. BRUCE RYAN: 60th.

16 MR. LARRY HARTMAN: Okay. Good evening.

17 MR. GARY VASDEV: Gary Vasdev,  
18 V-A-S-D-E-V. I live at a 5581 40th Street  
19 Southwest. We own a parcel of 40 acres, which I  
20 think is mile marker 7.9 on the proposed pipeline.

21 My concern is that when I saw the  
22 pictures of the steel pipe coming in, there is a  
23 drop of height of almost, I'd say, 400 feet from the  
24 road to the bottom of our property. And how are  
25 they going to bend the pipe and what are the

1 consequences of bending a pipe that big, in terms of  
2 its longevity? And does it, you know --

3 So that's one question, and I have a  
4 second question, why not just follow the roads since  
5 the easement is already there?

6 MR. LARRY HARTMAN: You'd have to ask  
7 MERC about that. Regarding your question about  
8 bending the pipe, you can do pipe bends in the field  
9 I think up to six degrees, anything greater than six  
10 degrees, that could be on the high side, requires it  
11 to be done in a factory. It's not uncommon to see  
12 pipe bent to fit the contour of the land.

13 Now, again, I didn't mention this, but by  
14 federal law the pipe has to be buried a minimum  
15 depth of 36 inches from the top of the pipe to the  
16 top of the ground. In Minnesota, under 216G,  
17 there's a requirement that, either crossing  
18 agricultural land, a drainage ditch, et cetera, the  
19 pipe has to be buried a nominal depth of 54 inches,  
20 unless so waived by the landowner in the easement  
21 agreement.

22 MR. GARY VASDEV: Okay. Thank you. And  
23 my last question was why not just follow the  
24 easements on the road?

25 MR. LARRY HARTMAN: I'd have to -- I

1 guess I'd defer to the company to explain their  
2 rationale for selecting the route they did. In many  
3 cases they do follow the road. In some cases maybe  
4 they'd like to, but there would be other things  
5 there that would prevent them from following the  
6 roads. I'm not familiar with everything down here  
7 yet to give you a more accurate answer, and I'm  
8 sorry for any inaccuracy.

9 Is there anything you'd like to add?

10 MR. RICK MOSER: We discussed his route  
11 preference before, and it is along one of our  
12 alternative routes that's submitted in the  
13 application.

14 Just a clarification that you mentioned  
15 within the existing easements, even if we follow the  
16 road, that they would be on new private easements,  
17 not within the road easements.

18 MR. GARY VASDEV: So you'd be beyond the  
19 16 or 31 feet that we give the city and it'll be you  
20 after that?

21 MR. RICK MOSER: Correct. We would be  
22 outside of the road, correct.

23 MR. LARRY HARTMAN: Generally what  
24 happens, for example, your township road might have  
25 a nominal width of 66 feet. In some cases in rural

1 Minnesota I know that they like to have pipelines  
2 maybe within the township road right-of-way, other  
3 cases they prefer not to in case they expand the  
4 road right-of-way eventually or upgrade it. Now, if  
5 you look at county state aid highways, like 25 or  
6 some of the others, they might have a right-of-way  
7 of, oh, 100 or 120 feet. Freeways might have a  
8 right-of-way of 200 to 300 feet. British Petroleum,  
9 their pipeline is probably a right-of-way with 50  
10 feet. Those are all discrete, defined  
11 rights-of-way. You might have paralleling, but it  
12 means you're going to be paralleling that, but you  
13 won't be using their right-of-way, they have to have  
14 their own right-of-way, and they would be in a  
15 nominal permanent right-of-way with 50 feet.

16 MR. GARY VASDEV: Just to clarify that.  
17 They can't put their pipeline right over the BP  
18 pipeline?

19 MR. LARRY HARTMAN: They can cross it,  
20 but it will not be in the same right-of-way.

21 MR. GARY VASDEV: Okay. Thank you.  
22 Thank you so much.

23 MR. LARRY HARTMAN: Yes, sir.

24 MR. BUD HANSON: Yeah. I'm Bud Hanson,  
25 my address is 4635 11th Avenue.

1 MR. LARRY HARTMAN: Hanson with an o-n or  
2 an e-n?

3 MR. BUD HANSON: An o-n. And I have two  
4 parcels of land here, it looks like.

5 MR. LARRY HARTMAN: Can you speak up?

6 MR. BUD HANSON: I have two parcels of  
7 land on this, where this pipeline is going to go.  
8 And I would kind of like to get an exact idea of  
9 where it is going to be, 'cause I have a barn and  
10 another big building on that property. And I need  
11 to know exactly where that thing is going to go.

12 MR. LARRY HARTMAN: I don't know that  
13 they have that. They've asked for a route width of  
14 500 feet. Now, within that 500 feet, generally the  
15 Commission likes to narrow things down a little bit,  
16 in some cases they might narrow it down to the  
17 right-of-way. But you're going to have a permanent  
18 right-of-way, a temporary right-of-way for  
19 construction. So at this time they may not know.  
20 I'd suggest you perhaps talk to one of the  
21 representatives back there or perhaps Lindsay to see  
22 if they can assist you.

23 MR. BUD HANSON: Okay. That's fine.  
24 That's what I need to know. I need to know where  
25 it's going to be.

1 MR. RICK MOSER: We can work with him  
2 afterwards.

3 MR. LARRY HARTMAN: Okay. Were there any  
4 other questions from anybody? No other questions?

5 MR. BUD HANSON: One quick one.

6 MR. LARRY HARTMAN: Sure.

7 MR. BUD HANSON: How close do they go to  
8 the house?

9 MR. LARRY HARTMAN: Minnesota has a  
10 pipeline setback ordinance, I believe it's Minnesota  
11 Statute 299J.05, which basically means you can have  
12 your house at the edge of the right-of-way. For  
13 safety reasons some people might be prefer more.  
14 And I know sometimes in the past, and it's been  
15 number of years since I've encountered this, but if  
16 you do financing through FHA or some other entities  
17 like that, they might not feel that comfortable with  
18 kind of a no setback. I know in one case on this  
19 project I had out in the Willmar area years ago,  
20 they wouldn't give financing because the pipeline  
21 was within 50 feet of the garage, I believe. And,  
22 again, I know there's a -- HUD used to have a  
23 circular on that, whether it's been updated or  
24 doesn't exist anymore, I don't know. If you want I  
25 can check on that and get back to you.

1 MR. BUD HANSON: That's fine.

2 MR. LARRY HARTMAN: Any other questions?

3 MR. ROBERT PYFFEROEN: Sure.

4 MR. LARRY HARTMAN: Identify yourself for  
5 the court reporter.

6 MR. ROBERT PYFFEROEN: Sure. Name is  
7 Robert Pyfferoen, P-Y-F-F-E-R-O-E-N. 4434 40th  
8 Street Southwest.

9 And I just want to know, your handout  
10 gave this calendar year for '16, and what is your  
11 construction, approximate, time frame?

12 MR. LARRY HARTMAN: They are two  
13 different things. And why don't I let somebody from  
14 MERC explain. It's a phased construction schedule  
15 over several years, I'll let them explain it.

16 MR. ROBERT PYFFEROEN: Yep.

17 MS. LINDSAY LYLE: This is Lindsay Lyle,  
18 L-Y-L-E.

19 The pipeline where you're located would  
20 most likely be constructed in that 2019 to '20 time  
21 frame. In that general area. Assuming all of the  
22 approvals come through at the end of the year.

23 MS. AMBER LEE: I could just add a little  
24 bit to that. I think Larry's timeline is the  
25 regulatory timeline, that's how long it's going to

1 be before we get approval from the Minnesota  
2 Commission. The construction timeline like we've  
3 talked about is phased and will start in 2017 if we  
4 get approval, and depending on how -- that's what  
5 Lindsay said, where you are on the project, we won't  
6 finish it until 2022 or 2023.

7 MR. LARRY HARTMAN: And typically when  
8 they do pipeline work on a landowner's property,  
9 construction activities on your property might span  
10 several weeks, but probably no more than that. It's  
11 kind of like an assembly line so it moves along in  
12 sequence. So on a given landowner's property, maybe  
13 they're there for three, four, five weeks, and then  
14 they're done until they -- well, until restoration  
15 is complete. But that could be a little bit longer,  
16 depending on timing or phasing for the restoration  
17 activities.

18 Any other questions?

19 Yes, sir.

20 MR. GARY VASDEV: Is there any  
21 compensation given if they come through in the  
22 summertime and they've going over the farm fields?

23 MR. LARRY HARTMAN: Yes, there's  
24 compensation. It works several ways. You're free  
25 to negotiate with the company. And as I guess I

1 mentioned this afternoon, I didn't mention it  
2 tonight. The rules allow the company to go out and  
3 negotiate for easements with landowners during the  
4 permitting process. However, the company, let's say  
5 if you gave them an easement agreement, I'm just  
6 speculating you gave it to them, and they came to  
7 the Commission, they couldn't use that because of a  
8 reason for getting their preferred route, if that's  
9 what it winds up being, so it's a risk they take.  
10 So if you reach an easement agreement with them they  
11 give you a check, you cash it, and they go someplace  
12 else, you don't give the money back.

13 Any other questions?

14 Again, I should mention, too, in the  
15 event you cannot reach an easement agreement with  
16 the company once the permit is issued, they would  
17 then have the right of eminent domain then, also.  
18 You'd still be compensated. Eminent domain doesn't  
19 change the location of the pipeline, it's just  
20 basically what you're remunerated for in terms of  
21 damages or prorating the cost of whatever the value  
22 of the property might be.

23 Any other questions? Folks thinking  
24 about questions?

25 I can't force you to ask questions, so if

1 there aren't any, I'd like to thank you for  
2 attending. I'll be here for awhile afterwards, so  
3 if you want to come up to me afterwards with  
4 questions. Again, I'd like to remind you, if you  
5 didn't pick up the handouts back there for  
6 submitting comments or proposing routes, please do  
7 that. If you have a question, either contact Andrew  
8 or myself at your convenience. And I generally  
9 answer my own phone, I'll get back to you more than  
10 likely the same day if I'm in the office. So,  
11 again, if you have any questions. If you don't have  
12 any now, tomorrow, next week, certainly feel free to  
13 contact me by e-mail or phone.

14 I'd like to thank you for coming.

15 I'd like to also mention that we have our  
16 own website. Unlike eDockets, we don't put  
17 everything on our website, we just put down the  
18 documents more germane to what our tasks and  
19 responsibilities are. And the link to our website  
20 is in the information we have back there. So it's a  
21 little bit easier way of following it if you don't  
22 want to read through everything on eDockets.

23 So, again, thank you for attending. If  
24 you have comments, please submit them by April 13th.

25 (6:00 meeting concluded.)

	<b>additional (4)</b> 7:10;17:2;18:19; 26:1	<b>15</b>	<b>6:12;9:3;14:2; 15:22;16:4;7;17:6; 19:6;23:1,19,23; 68:11;69:18;70:15, 19;77:14;81:24; 82:20;83:15;88:17</b>	<b>approves (2)</b> 15:19;83:1
<b>§</b>	<b>address (5)</b> 21:22;22:18;88:2; 90:11;93:25	<b>agreements (1)</b> 46:7		<b>approximate (1)</b> 96:11
<b>\$50,000 (1)</b> 26:17	<b>addresses (2)</b> 3:22;21:21	<b>agricultural (7)</b> 20:13,14;29:5; 31:17;43:14;85:13; 91:18		<b>Approximately (1)</b> 50:10
<b>A</b>	<b>adjacent (1)</b> 46:19	<b>Agriculture (3)</b> 20:12,16;85:12	<b>analytical (1)</b> 73:5	<b>April (8)</b> 18:8;22:13;67:8; 80:10;81:8,21;88:5; 99:24
<b>able (4)</b> 23:7;50:1;60:15; 78:2	<b>administered (1)</b> 85:19	<b>aid (2)</b> 17:23;93:5	<b>analyzed (1)</b> 6:4	<b>archaeological (1)</b> 19:11
<b>above (3)</b> 47:12;48:25;61:4	<b>Administrative (10)</b> 5:6;6:9,16,22; 69:22;70:23;71:2,11; 79:17,18	<b>air (2)</b> 47:6,16	<b>and/or (4)</b> 17:2;30:24;81:7; 82:21	<b>area (22)</b> 9:3;10:11,19;11:12; 12:5;27:10;28:16,18; 32:10;33:11,19;39:2; 60:10,13,13;63:5,15; 66:6;75:3,8;95:19; 96:21
<b>abuts (1)</b> 51:18	<b>adopted (5)</b> 14:15,16,18;29:11; 78:16	<b>alignment (1)</b> 19:23	<b>Andrew (15)</b> 14:2,3,4;18:22; 22:14;24:5,7;72:11; 77:7,8,12;80:6;83:24; 89:6;99:7	<b>areas (3)</b> 10:4;37:23;73:18
<b>accept (2)</b> 19:4;87:18	<b>advisor (2)</b> 8:21;73:3	<b>ALJ (3)</b> 22:7;41:13;87:22	<b>angle (2)</b> 56:10;66:10	<b>argument (1)</b> 87:17
<b>acceptable (1)</b> 38:12	<b>aerial (4)</b> 40:16;83:21,21; 84:3	<b>allow (3)</b> 29:16;74:23;98:2	<b>anticipated (1)</b> 23:22	<b>around (8)</b> 7:9;23:11;28:4,18; 30:5;31:14;67:23; 81:12
<b>accepted (5)</b> 5:15;15:23;17:5; 18:20,22	<b>aesthetic (1)</b> 19:11	<b>allows (3)</b> 12:7;76:2,6	<b>anticipated (2)</b> 22:1;87:4	<b>arrow (1)</b> 49:13
<b>accepting (1)</b> 72:10	<b>affairs (1)</b> 9:12	<b>almost (2)</b> 85:6;90:23	<b>anymore (1)</b> 95:24	<b>articles (1)</b> 34:19
<b>accepts (1)</b> 15:19	<b>afternoon (10)</b> 3:2,3;9:6,9;13:24; 33:3;53:3;59:13; 79:11;98:1	<b>along (10)</b> 9:1;24:15;32:3; 43:10;45:18;62:16; 72:3;89:17;92:11; 97:11	<b>anyplace (1)</b> 46:5	<b>aside (1)</b> 14:20
<b>accidentally (1)</b> 46:24	<b>afterwards (4)</b> 67:11;95:2;99:2,3	<b>alongside (1)</b> 13:7	<b>apartment (3)</b> 59:22;63:8,12	<b>assembly (3)</b> 13:4;76:13;97:11
<b>accidents (2)</b> 64:20;65:7	<b>Ag (3)</b> 20:14;31:18;85:14	<b>alternate (2)</b> 58:3,3	<b>apartments (3)</b> 61:14;62:21;63:13	<b>assist (4)</b> 17:23;18:23;72:9; 94:22
<b>accommodate (1)</b> 54:4	<b>Again (39)</b> 4:8,25;5:7;9:5; 15:18;16:11;22:12, 17;23:14;34:17;42:3; 44:3;52:23;67:3,8,11; 73:1;76:9;77:14;79:5; 81:6,19;82:4,23; 83:12,19;85:1;87:4, 23;88:1,19;89:8;90:5; 91:13;95:22;98:14; 99:4,11,23	<b>alternative (40)</b> 14:19;15:10,14,23; 17:19,22;18:1,4,6; 19:7,20;20:4;48:10, 11;50:14,14,16,17; 59:5,24;60:18,20,23; 61:7;63:10;75:15; 78:18;79:2;80:19,22; 81:6,11;82:21;83:3, 13,20;84:19,21;85:5; 92:12	<b>applicant (1)</b> 7:6	<b>assisting (1)</b> 14:4
<b>according (1)</b> 58:4	<b>agencies (2)</b> 20:10;85:10	<b>alternatives (10)</b> 6:12;20:7;68:13; 70:13;81:11;82:24; 84:11;85:7;88:8,13	<b>applicant (10)</b> 4:4,25;6:18;8:24; 17:10;19:16;20:16; 69:24;73:13;80:1	<b>associated (2)</b> 15:25;37:23
<b>account (1)</b> 8:2	<b>agency (11)</b> 4:6,13;5:1;20:23; 21:1;42:10;68:12,17; 85:18;86:3,5	<b>always (2)</b> 31:4;32:14	<b>applicant's (1)</b> 83:3	<b>assuming (3)</b> 64:8;82:15;96:21
<b>accurate (1)</b> 92:7	<b>agent (2)</b> 21:14;87:2	<b>Amber (21)</b> 9:7,9,11;12:18,23; 15:11;21:5;25:15,16; 26:7,19;33:13,17; 34:4;58:20;60:7; 73:12,12;75:20; 86:12;96:23	<b>application (12)</b> 5:15;8:6;15:8; 22:25;38:8;55:13; 67:21;72:21;78:19; 79:1,3;92:13	<b>attach (1)</b> 82:11
<b>acres (3)</b> 48:13;50:9;90:19	<b>ago (8)</b> 26:14;29:12;44:21; 46:13;55:25;71:10; 75:6;95:19	<b>ameliorate (1)</b> 76:20	<b>applications (1)</b> 5:9	<b>attending (3)</b> 67:1;99:2,23
<b>across (8)</b> 49:1,14;50:17;51:2; 55:16;59:5,7;60:5	<b>agreement (13)</b> 29:15;36:22;41:12; 42:2;46:3,4,10,16; 85:13;91:21;98:5,10,	<b>Amoco (1)</b> 44:20	<b>apply (1)</b> 69:6	<b>attorneys (1)</b> 70:2
<b>act (1)</b> 42:23		<b>amount (1)</b> 42:4	<b>appreciate (2)</b> 4:10;9:6	<b>August (2)</b> 16:5;82:15
<b>actions (2)</b> 33:8;34:12		<b>analysis (20)</b>	<b>appropriate (2)</b> 20:17;21:25	<b>authority (2)</b> 42:22;87:2
<b>activities (2)</b> 97:9,17			<b>approval (3)</b> 68:23;97:1,4	<b>authorization (1)</b> 42:18
<b>actually (15)</b> 8:1;13:6,9;48:19; 49:25;53:24;60:15; 61:2,4,20;63:5;74:25; 75:5;76:23;87:1			<b>approvals (1)</b> 96:22	<b>authorized (3)</b> 14:19;21:14;86:18
<b>Adam (1)</b> 72:11			<b>approve (1)</b> 4:15	<b>available (14)</b> 3:18;8:11;16:4,13; 23:2;62:17;70:13; 72:15;74:10;77:4; 82:5,14;84:4;85:14
<b>add (5)</b> 7:14;45:19;81:14; 92:9;96:23			<b>approved (7)</b> 5:17;14:16,19; 27:16;61:2;78:9; 82:24	
<b>added (1)</b> 54:4				
<b>addition (1)</b> 34:13				

<p><b>Avenue (10)</b> 26:15,16;27:23; 58:9,9,10,11;89:17; 90:13;93:25 <b>avoid (5)</b> 19:21;84:14,15,22, 25 <b>awarded (1)</b> 42:4 <b>aware (3)</b> 35:12;76:21;87:14 <b>away (3)</b> 38:22;47:17;66:19 <b>awhile (1)</b> 99:2</p>	<p>5:3;6:20;8:24;9:8; 16:18 <b>behind (2)</b> 23:6;88:24 <b>below (10)</b> 29:24;48:21;56:3,5, 6,19,21,22;57:1;74:21 <b>bend (3)</b> 56:12,13;90:25 <b>bending (2)</b> 91:1,8 <b>bends (1)</b> 91:8 <b>benefit (2)</b> 23:8;24:4 <b>bent (2)</b> 56:14;91:12 <b>Besides (4)</b> 20:8;22:19;40:9; 85:9 <b>best (1)</b> 59:1 <b>better (11)</b> 9:19;13:6;29:20; 31:5;45:12;46:11; 50:6;70:8;71:13; 76:14;80:25 <b>beyond (1)</b> 92:18 <b>big (7)</b> 31:5;38:23;57:20; 62:15;63:8;91:1; 94:10 <b>bigger (2)</b> 30:19;56:10 <b>biggest (1)</b> 30:13 <b>bit (23)</b> 5:6;9:23;18:13; 21:3;22:11;23:11,20; 27:2;43:18;61:22; 63:5;64:12;70:23; 73:15;76:14,25;79:6; 80:20;81:25;94:15; 96:24;97:15;99:21 <b>bits (1)</b> 56:11 <b>black (4)</b> 31:12,13;50:23; 81:3 <b>blew (1)</b> 38:1 <b>blow (1)</b> 37:25 <b>blows (1)</b> 37:12 <b>blue (1)</b> 5:21 <b>Board (3)</b> 14:17;78:10,17 <b>body (2)</b> 68:18;85:23 <b>books (1)</b></p>	<p>83:22 <b>border (13)</b> 10:1;11:24;12:7; 13:14;26:15;53:14, 25;61:21;65:24; 73:18;76:1,22;85:4 <b>borders (1)</b> 73:19 <b>bore (2)</b> 55:21;57:14 <b>boring (1)</b> 40:2 <b>both (12)</b> 21:15,15;34:5; 42:12,13;48:14; 49:10;56:17;57:6; 60:25;86:20;87:3 <b>bottom (7)</b> 5:5;12:5;30:22,23; 56:3,23;90:24 <b>Boulders (2)</b> 60:1,4 <b>box (2)</b> 5:21;70:11 <b>BP (3)</b> 43:25;46:22;93:17 <b>brand (1)</b> 58:24 <b>break (6)</b> 23:9,12;48:1,2; 52:20,21 <b>Brian (3)</b> 90:5,7,8 <b>Bridgette (1)</b> 63:3 <b>brief (1)</b> 6:24 <b>bring (7)</b> 12:9;16:23;25:21; 26:4;71:17;72:19; 76:3 <b>British (6)</b> 15:15;40:15;44:14, 18;54:12;93:8 <b>brought (2)</b> 6:1;70:22 <b>BRUCE (8)</b> 89:11,13,13,16,16; 90:2,12,15 <b>buckets (2)</b> 45:20,21 <b>BUD (8)</b> 93:24,24;94:3,6,23; 95:5,7;96:1 <b>build (6)</b> 12:1;36:19;39:16; 43:13;45:25;61:15 <b>building (3)</b> 12:4;58:24;94:10 <b>buildings (5)</b> 39:16;40:9;59:22; 63:8,13 <b>built (9)</b></p>	<p>36:16,25;44:4;55:3; 62:13;75:21,25; 84:24;86:21 <b>Bulletin (1)</b> 34:18 <b>bunch (1)</b> 31:14 <b>burial (2)</b> 29:10;64:18 <b>buried (6)</b> 29:6,12,17;30:20; 91:14,19 <b>burn (3)</b> 37:11,13;47:22 <b>bury (1)</b> 29:2 <b>busiest (1)</b> 49:24 <b>business (2)</b> 9:24;80:10 <b>businesses (1)</b> 49:15</p>	<p>10:13,14,22;11:1,4; 28:15;54:2,5;61:17, 22,25;62:3;63:25; 64:6;66:3;74:1,9,10, 17 <b>capital (1)</b> 29:15 <b>CapX (1)</b> 34:15 <b>card (10)</b> 24:9;27:20;33:1; 39:11;42:6;47:23; 52:24;53:1;59:11; 62:18 <b>cards (10)</b> 7:11,13;23:25;24:2, 5,7;63:19;72:12;89:5, 7 <b>care (2)</b> 43:12;72:20 <b>Carol (14)</b> 33:1,3,4,15,20,25; 34:8;35:4,7,20,23; 36:3;38:13,17 <b>case (16)</b> 19:21;27:9,9;35:13, 14;36:7,14;37:1,25; 38:2;42:5;60:2;70:1; 88:25;93:3;95:18 <b>case-by-case (1)</b> 27:4 <b>cases (7)</b> 40:25;41:19;92:3,3, 25;93:3;94:16 <b>cash (1)</b> 98:11 <b>casual (2)</b> 70:25;81:16 <b>categories (1)</b> 21:5 <b>Cause (6)</b> 26:12;32:20;34:11; 62:10;64:19;94:9 <b>CEA (1)</b> 89:3 <b>center (6)</b> 43:12;48:14;49:1; 54:1;61:22;75:22 <b>centerline (3)</b> 37:3;39:22;40:7 <b>century (1)</b> 77:22 <b>certain (5)</b> 23:10;47:14;77:17; 79:3;80:15 <b>Certainly (5)</b> 18:24;23:15;25:20; 90:3;99:12 <b>certificate (2)</b> 35:17,19 <b>cetera (4)</b> 11:15;75:10;77:17; 91:18</p>	
<b>B</b>				<b>C</b>	
<p><b>baby (1)</b> 29:2 <b>back (51)</b> 3:17;6:1,6,23;7:11; 14:3;17:25;18:5,18; 22:11;23:14,18,25; 29:14;30:13,16; 31:12;40:4;50:20; 52:20;55:21;56:9,11; 59:2;60:4,23;63:5; 67:4;72:12;73:7;77:8; 78:3,16;79:11;80:5,8, 14,18;81:13,22;84:2, 5,5;89:8;90:5;94:21; 95:25;98:12;99:5,9, 20 <b>backfill (3)</b> 13:10,10;76:18 <b>background (3)</b> 23:21;80:21;82:1 <b>backhoe (1)</b> 46:24 <b>backyards (1)</b> 36:18 <b>barn (1)</b> 94:9 <b>based (4)</b> 11:14;73:23;75:9; 84:25 <b>basically (11)</b> 15:22;16:23;17:15; 19:20;22:24;80:20, 25;82:16;87:8;95:11; 98:20 <b>basis (1)</b> 27:4 <b>becomes (1)</b> 85:16 <b>becoming (1)</b> 40:12 <b>begin (2)</b> 71:12;79:15 <b>beginning (1)</b> 67:2 <b>behalf (5)</b></p>	<p><b>best (1)</b> 59:1 <b>better (11)</b> 9:19;13:6;29:20; 31:5;45:12;46:11; 50:6;70:8;71:13; 76:14;80:25 <b>beyond (1)</b> 92:18 <b>big (7)</b> 31:5;38:23;57:20; 62:15;63:8;91:1; 94:10 <b>bigger (2)</b> 30:19;56:10 <b>biggest (1)</b> 30:13 <b>bit (23)</b> 5:6;9:23;18:13; 21:3;22:11;23:11,20; 27:2;43:18;61:22; 63:5;64:12;70:23; 73:15;76:14,25;79:6; 80:20;81:25;94:15; 96:24;97:15;99:21 <b>bits (1)</b> 56:11 <b>black (4)</b> 31:12,13;50:23; 81:3 <b>blew (1)</b> 38:1 <b>blow (1)</b> 37:25 <b>blows (1)</b> 37:12 <b>blue (1)</b> 5:21 <b>Board (3)</b> 14:17;78:10,17 <b>body (2)</b> 68:18;85:23 <b>books (1)</b></p>	<p>83:22 <b>border (13)</b> 10:1;11:24;12:7; 13:14;26:15;53:14, 25;61:21;65:24; 73:18;76:1,22;85:4 <b>borders (1)</b> 73:19 <b>bore (2)</b> 55:21;57:14 <b>boring (1)</b> 40:2 <b>both (12)</b> 21:15,15;34:5; 42:12,13;48:14; 49:10;56:17;57:6; 60:25;86:20;87:3 <b>bottom (7)</b> 5:5;12:5;30:22,23; 56:3,23;90:24 <b>Boulders (2)</b> 60:1,4 <b>box (2)</b> 5:21;70:11 <b>BP (3)</b> 43:25;46:22;93:17 <b>brand (1)</b> 58:24 <b>break (6)</b> 23:9,12;48:1,2; 52:20,21 <b>Brian (3)</b> 90:5,7,8 <b>Bridgette (1)</b> 63:3 <b>brief (1)</b> 6:24 <b>bring (7)</b> 12:9;16:23;25:21; 26:4;71:17;72:19; 76:3 <b>British (6)</b> 15:15;40:15;44:14, 18;54:12;93:8 <b>brought (2)</b> 6:1;70:22 <b>BRUCE (8)</b> 89:11,13,13,16,16; 90:2,12,15 <b>buckets (2)</b> 45:20,21 <b>BUD (8)</b> 93:24,24;94:3,6,23; 95:5,7;96:1 <b>build (6)</b> 12:1;36:19;39:16; 43:13;45:25;61:15 <b>building (3)</b> 12:4;58:24;94:10 <b>buildings (5)</b> 39:16;40:9;59:22; 63:8,13 <b>built (9)</b></p>	<p><b>calendar (1)</b> 96:10 <b>call (10)</b> 13:4;15:6;24:5; 44:11;45:5;65:5; 76:12,13;78:24;83:24 <b>called (8)</b> 8:2;15:21;18:1; 21:6;23:19;37:20,22; 45:1 <b>came (3)</b> 34:17;47:2;98:6 <b>Can (84)</b> 3:23;8:1,1,9,15; 9:19,20;10:13,23; 11:4,5,18,20;12:21; 13:3,10;16:21;17:4, 18;20:6;22:13,15; 24:7;25:7;26:5,12; 29:8,16,17;30:12,15; 31:6;32:6,14;37:13; 40:10;41:7,25;42:2; 44:9;46:4;49:8;51:6; 52:22;53:6;54:14,15; 56:11;58:23;62:20; 67:8,9,13;70:3,6;71:1, 18;72:1,4,12,13,15; 73:17;74:17,20;76:7, 11;79:23;80:14; 81:20;82:20;83:9,21; 87:23,24,25;90:6; 91:8;93:19;94:5,22; 95:1,11,25 <b>Canada (1)</b> 10:2 <b>capability (3)</b> 10:16;64:1;65:13 <b>capacity (19)</b></p>	<p><b>case (16)</b> 19:21;27:9,9;35:13, 14;36:7,14;37:1,25; 38:2;42:5;60:2;70:1; 88:25;93:3;95:18 <b>case-by-case (1)</b> 27:4 <b>cases (7)</b> 40:25;41:19;92:3,3, 25;93:3;94:16 <b>cash (1)</b> 98:11 <b>casual (2)</b> 70:25;81:16 <b>categories (1)</b> 21:5 <b>Cause (6)</b> 26:12;32:20;34:11; 62:10;64:19;94:9 <b>CEA (1)</b> 89:3 <b>center (6)</b> 43:12;48:14;49:1; 54:1;61:22;75:22 <b>centerline (3)</b> 37:3;39:22;40:7 <b>century (1)</b> 77:22 <b>certain (5)</b> 23:10;47:14;77:17; 79:3;80:15 <b>Certainly (5)</b> 18:24;23:15;25:20; 90:3;99:12 <b>certificate (2)</b> 35:17,19 <b>cetera (4)</b> 11:15;75:10;77:17; 91:18</p>	

<p><b>chance (1)</b> 13:1</p> <p><b>chances (4)</b> 24:14,21;27:13; 53:6</p> <p><b>change (6)</b> 46:14;53:8,20; 60:22;78:5;98:19</p> <p><b>changed (1)</b> 46:17</p> <p><b>changing (2)</b> 53:15,17</p> <p><b>chapter (2)</b> 15:2,2</p> <p><b>check (3)</b> 71:19;95:25;98:11</p> <p><b>child (1)</b> 14:7</p> <p><b>choose (1)</b> 29:18</p> <p><b>chosen (1)</b> 36:5</p> <p><b>chunk (1)</b> 32:20</p> <p><b>churches (1)</b> 43:12</p> <p><b>circular (1)</b> 95:23</p> <p><b>circumstances (1)</b> 47:14</p> <p><b>cited (1)</b> 4:23</p> <p><b>cities (1)</b> 38:24</p> <p><b>City (17)</b> 9:24;10:9,18;30:3; 36:10,16;37:8,16; 38:6;46:3;64:6;67:23; 73:16,25;74:2,6; 92:19</p> <p><b>clarification (3)</b> 78:4;88:9;92:14</p> <p><b>clarify (1)</b> 93:16</p> <p><b>class (5)</b> 43:9,11,13,14,16</p> <p><b>classes (1)</b> 43:9</p> <p><b>clear (2)</b> 29:15;83:23</p> <p><b>clearly (1)</b> 23:8</p> <p><b>client's (1)</b> 37:1</p> <p><b>close (7)</b> 37:15;38:3;39:4; 46:20;77:1;80:10; 95:7</p> <p><b>closer (2)</b> 3:24;27:25</p> <p><b>closes (1)</b> 22:13</p> <p><b>clubhouse (1)</b></p>	<p>63:9</p> <p><b>code (5)</b> 40:17,18;42:25; 43:6;86:15</p> <p><b>collapse (1)</b> 57:18</p> <p><b>collected (2)</b> 19:1;70:17</p> <p><b>collecting (1)</b> 68:13</p> <p><b>color (1)</b> 50:22</p> <p><b>colored (1)</b> 81:2</p> <p><b>combined (1)</b> 78:20</p> <p><b>combines (1)</b> 14:23</p> <p><b>comet (1)</b> 47:2</p> <p><b>comfortable (1)</b> 95:17</p> <p><b>coming (18)</b> 3:3;4:10;9:5,10; 10:14;33:21;48:16; 57:5;64:15;65:3,18; 66:5;67:10,20;74:14; 77:3;90:22;99:14</p> <p><b>comment (9)</b> 18:11;22:13;61:10; 72:11;80:6,16;82:9,9; 87:25</p> <p><b>comments (27)</b> 7:21;14:10;16:12, 15,16,25;17:7;22:10, 16;23:3,13,16;39:8; 67:7;71:15;80:7,9,15; 81:20;82:11;87:18, 23;88:6,12,25;99:6,24</p> <p><b>Commerce (16)</b> 4:6;5:2,12;6:19; 7:20;14:1;16:10;22:8, 20;68:11;69:7,17; 71:21;77:5,13;87:13</p> <p><b>Commerce's (1)</b> 71:20</p> <p><b>Commission (40)</b> 3:6,21;4:23;5:3,16; 6:2,23;9:14,22;15:9, 19,24;16:9;17:13; 19:3;20:9;21:12; 67:20,25;68:17; 69:12,20;71:5,23; 77:11;79:20;82:6,10, 23,25;83:1,18;85:9, 17;87:17;88:11,14; 94:15;97:2;98:7</p> <p><b>commissioners (3)</b> 4:14;6:6,24</p> <p><b>Commission's (4)</b> 4:1;6:5;68:6;71:3</p> <p><b>communities (5)</b> 9:25;10:1,6;73:21;</p>	<p>74:3</p> <p><b>comp (2)</b> 36:11;37:8</p> <p><b>companies (5)</b> 21:9;40:19;45:22, 23;86:23</p> <p><b>company (20)</b> 9:13,16,23;10:4,7, 10;21:6,28;11;29:14; 41:8;42:1;46:15; 73:15,22;86:24;92:1; 97:25;98:2,4,16</p> <p><b>comparative (13)</b> 15:21;16:3,7;17:5; 19:6;22:25;23:19,22; 69:17;70:15,18; 81:24;88:16</p> <p><b>compared (1)</b> 46:22</p> <p><b>compensated (2)</b> 32:17;98:18</p> <p><b>compensation (3)</b> 41:25;97:21,24</p> <p><b>complete (3)</b> 28:25;88:16;97:15</p> <p><b>completed (1)</b> 6:14</p> <p><b>completely (2)</b> 13:11;76:20</p> <p><b>completion (1)</b> 40:5</p> <p><b>comply (1)</b> 7:5</p> <p><b>component (1)</b> 82:3</p> <p><b>concern (3)</b> 48:9;80:15;90:21</p> <p><b>concerned (4)</b> 36:13;39:3;54:8; 58:2</p> <p><b>concerns (3)</b> 16:25;17:17;82:18</p> <p><b>concluded (2)</b> 67:15;99:25</p> <p><b>concludes (1)</b> 88:20</p> <p><b>conditions (5)</b> 7:4;46:6;57:17; 69:14;83:17</p> <p><b>conducting (1)</b> 4:6</p> <p><b>conference (2)</b> 22:3;87:6</p> <p><b>connected (2)</b> 33:8;34:12</p> <p><b>connecting (1)</b> 11:23</p> <p><b>Consequence (1)</b> 37:23</p> <p><b>consequences (1)</b> 91:1</p> <p><b>consider (12)</b> 5:10;22:24;37:7,8,</p>	<p>10,20;38:4,20,21; 82:23;83:3;89:23</p> <p><b>consideration (4)</b> 6:5;15:10;71:4; 79:2</p> <p><b>considered (8)</b> 15:20;18:9;20:7; 34:20,22;35:1;36:8; 38:18</p> <p><b>considers (1)</b> 5:9</p> <p><b>consolidated (1)</b> 41:20</p> <p><b>construct (1)</b> 25:24</p> <p><b>constructed (1)</b> 96:20</p> <p><b>constructing (1)</b> 34:6</p> <p><b>construction (17)</b> 9:18;13:3,5,11,12; 25:22;39:23,25;40:5; 76:11,13,20;94:19; 96:11,14;97:2,9</p> <p><b>constructive (1)</b> 7:23</p> <p><b>contact (5)</b> 8:13;18:25;73:4; 99:7,13</p> <p><b>contacting (1)</b> 88:8</p> <p><b>continuing (1)</b> 61:15</p> <p><b>contour (2)</b> 56:15;91:12</p> <p><b>Control (3)</b> 20:23;85:11;86:3</p> <p><b>convenience (2)</b> 83:25;99:8</p> <p><b>copies (1)</b> 3:16</p> <p><b>copy (1)</b> 84:6</p> <p><b>corner (5)</b> 8:25;12:11,13,15; 89:19</p> <p><b>Corporation (3)</b> 4:5;5:1;67:22</p> <p><b>cost (1)</b> 98:21</p> <p><b>country (1)</b> 57:23</p> <p><b>county (7)</b> 19:24;36:11;37:8; 41:18;79:9;84:23; 93:5</p> <p><b>couple (5)</b> 16:15;18:12;40:20; 42:9;59:14</p> <p><b>course (3)</b> 3:18;11:16;72:24</p> <p><b>COURT (10)</b> 12:21;23:5,6;24:4,</p>	<p>12;41:20;47:25; 70:24;88:23;96:5</p> <p><b>cousin (1)</b> 45:7</p> <p><b>cover (4)</b> 15:18;23:23;61:23; 86:23</p> <p><b>covered (2)</b> 19:5;46:10</p> <p><b>CRAIG (2)</b> 34:3,3</p> <p><b>Cranston (10)</b> 63:23,23;65:9,16, 20,25;66:4,12,15,21</p> <p><b>C-R-A-N-S-T-O-N (1)</b> 63:24</p> <p><b>create (1)</b> 8:1</p> <p><b>critical (1)</b> 22:24</p> <p><b>cross (8)</b> 49:19;54:9,10;55:9, 9;60:9;63:2;93:19</p> <p><b>crossed (1)</b> 85:25</p> <p><b>crosses (4)</b> 54:11;56:1,2;59:17</p> <p><b>crossing (11)</b> 20:13,19;29:5,13; 31:18;54:9;64:23; 85:20,23;86:1;91:17</p> <p><b>crossings (2)</b> 85:23,24</p> <p><b>crude (5)</b> 20:2;21:16;47:20; 71:8;85:3</p> <p><b>cultural (1)</b> 19:12</p> <p><b>current (2)</b> 10:16;74:21</p> <p><b>currently (7)</b> 10:12;13:16,19; 26:13;59:16;61:20; 74:18</p> <p><b>customer (1)</b> 27:1</p> <p><b>customers (6)</b> 10:5,7;26:24,25; 73:21,22</p> <p><b>cut (4)</b> 31:22;52:12;60:4; 82:5</p> <p><b>cutting (1)</b> 52:11</p>
<b>D</b>				
				<p><b>dad (1)</b> 44:23</p> <p><b>Dakota (3)</b> 10:2,3;85:4</p> <p><b>damages (2)</b> 42:4;98:21</p>

<p><b>danger (1)</b> 46:21</p> <p><b>Daniel (13)</b> 27:21,22;28:7,12, 20;29:1,19;30:1;31:3, 21,24;32:16,19</p> <p><b>Darnell (13)</b> 47:24;48:3,8,19,24; 50:10,13,25;51:9,13, 15,20;52:17</p> <p><b>D-A-R-N-E-L-L (1)</b> 47:24</p> <p><b>dashed (2)</b> 15:13;75:14</p> <p><b>database (1)</b> 7:14</p> <p><b>date (3)</b> 71:9;72:3;80:11</p> <p><b>dates (3)</b> 7:17;22:4;71:12</p> <p><b>day (4)</b> 18:16;43:12;81:12; 99:10</p> <p><b>days (6)</b> 16:18;18:15,19; 71:6;81:12;82:13</p> <p><b>dead (1)</b> 63:2</p> <p><b>deal (3)</b> 30:16;43:23;68:3</p> <p><b>decent (1)</b> 30:6</p> <p><b>decide (2)</b> 61:17;62:8</p> <p><b>decides (1)</b> 22:8</p> <p><b>decision (7)</b> 6:2,7;8:12;35:12; 69:10;71:6;73:7</p> <p><b>decision-making (1)</b> 69:20</p> <p><b>decisions (1)</b> 8:7</p> <p><b>DeCook (13)</b> 27:21,22;28:7,12, 20;29:1,19;30:1;31:3, 21,24;32:16,19</p> <p><b>decrease (1)</b> 76:6</p> <p><b>Dee (7)</b> 48:5;51:18,23;52:3, 6,13,18</p> <p><b>deep (8)</b> 29:2,3;31:6;54:18; 56:4,7,18;57:4</p> <p><b>deeper (5)</b> 29:11,20;30:15,18, 22</p> <p><b>defer (3)</b> 24:17;53:22;92:1</p> <p><b>deficit (1)</b> 61:24</p> <p><b>define (1)</b></p>	<p>83:5</p> <p><b>defined (1)</b> 93:10</p> <p><b>defining (1)</b> 71:14</p> <p><b>definitely (1)</b> 32:20</p> <p><b>degrees (2)</b> 91:9,10</p> <p><b>demand (2)</b> 10:17;74:23</p> <p><b>Dennis (8)</b> 59:12,13;60:9,17; 61:5;62:7,20,24</p> <p><b>density (1)</b> 43:10</p> <p><b>Department (24)</b> 4:5;5:2,12;6:18,19; 7:19;14:1;20:12,14, 16,18;22:7,20;42:15; 68:10;69:7,17;70:18; 71:20;77:4,13;85:12, 17;86:7</p> <p><b>depending (6)</b> 23:8;41:18;43:10; 55:22;97:4,16</p> <p><b>depends (4)</b> 30:25;47:4;60:14; 61:1</p> <p><b>depth (9)</b> 29:6,9,12,17;30:12, 21;64:18;91:15,19</p> <p><b>describing (1)</b> 72:25</p> <p><b>designed (3)</b> 43:15;64:17;66:2</p> <p><b>detail (2)</b> 17:23;69:8</p> <p><b>detailed (1)</b> 62:17</p> <p><b>determination (2)</b> 6:25;79:21</p> <p><b>determine (5)</b> 4:15;43:11;57:17; 78:17;88:15</p> <p><b>determined (2)</b> 11:13,17</p> <p><b>determining (1)</b> 69:12</p> <p><b>develop (3)</b> 71:25;81:18;85:14</p> <p><b>developable (1)</b> 38:24</p> <p><b>developed (5)</b> 6:11,13;20:15; 63:16;72:9</p> <p><b>developing (2)</b> 70:15;83:9</p> <p><b>development (15)</b> 25:21;38:21;39:5; 60:1;61:8,11,19; 62:13;63:6,11,14; 68:24;75:8;78:8;</p>	<p>82:21</p> <p><b>developments (1)</b> 71:18</p> <p><b>diagram (1)</b> 45:15</p> <p><b>diesel (1)</b> 46:23</p> <p><b>difference (2)</b> 53:11;74:22</p> <p><b>differences (1)</b> 43:8</p> <p><b>different (15)</b> 4:16;6:19;15:3; 18:13;19:15,15;21:4; 25:13;35:16;36:1; 43:6;57:21;73:20; 87:13;96:13</p> <p><b>direct (1)</b> 23:16</p> <p><b>directional (6)</b> 40:2;55:14,18;56:8, 25;57:11</p> <p><b>directives (1)</b> 68:20</p> <p><b>directly (2)</b> 7:20;49:12</p> <p><b>dirt (3)</b> 30:19;31:12,13</p> <p><b>disappeared (1)</b> 34:16</p> <p><b>discharge (2)</b> 20:24;86:4</p> <p><b>disclose (1)</b> 36:21</p> <p><b>disclosure (2)</b> 36:22,22</p> <p><b>discrete (1)</b> 93:10</p> <p><b>discuss (3)</b> 19:10;67:21;68:12</p> <p><b>discussed (1)</b> 92:10</p> <p><b>discussions (1)</b> 38:6</p> <p><b>disrupt (1)</b> 49:15</p> <p><b>disrupting (1)</b> 89:24</p> <p><b>dissipate (1)</b> 47:16</p> <p><b>Distances (1)</b> 37:21</p> <p><b>distinct (1)</b> 78:21</p> <p><b>distributing (1)</b> 7:15</p> <p><b>distribution (9)</b> 10:3;11:8;12:10; 26:23;64:15;74:15, 25;76:4,5</p> <p><b>district (12)</b> 12:4,14;13:17;25:7; 46:10;60:2,21;62:9;</p>	<p>75:24;76:5,24;77:1</p> <p><b>ditch (1)</b> 91:18</p> <p><b>ditches (1)</b> 29:6</p> <p><b>ditching (1)</b> 31:18</p> <p><b>diverse (2)</b> 10:3;73:20</p> <p><b>DNR (2)</b> 85:19;86:1</p> <p><b>docket (6)</b> 8:15,17;22:23; 71:19;72:16,17</p> <p><b>docketing (1)</b> 8:3</p> <p><b>dockets (4)</b> 4:16;22:21;71:23, 25</p> <p><b>document (22)</b> 15:24;16:8,10,11, 13,15;17:9;18:2;19:5; 23:20;68:2;69:16; 70:19;71:6;72:1,2; 81:22,23;82:5,8,12,14</p> <p><b>documents (3)</b> 34:23;83:11;99:18</p> <p><b>domain (6)</b> 41:4,17,24;42:2; 98:17,18</p> <p><b>done (7)</b> 12:22;31:9;32:21; 48:1;75:15;91:11; 97:14</p> <p><b>Donovan (17)</b> 42:7,8;43:2,17,22, 25;44:5,9,15,17,22; 45:7,10,14;46:21; 47:10,19</p> <p><b>D-O-N-O-V-A-N (1)</b> 42:7</p> <p><b>Dore (7)</b> 59:12,13;60:9,17; 61:5;62:7,24</p> <p><b>D-O-R-E (1)</b> 59:12</p> <p><b>dot (3)</b> 35:10;61:21;66:11</p> <p><b>double (2)</b> 31:18;53:6</p> <p><b>dough (1)</b> 55:18</p> <p><b>DOUGLAS (10)</b> 63:23,23;65:9,16, 20,25;66:4,12,15,21</p> <p><b>D-O-U-G-L-A-S (1)</b> 63:24</p> <p><b>down (33)</b> 12:9;23:7;25:8,9; 26:5;31:10,10;34:5; 43:18;44:25;45:3; 47:2;48:14,16;54:15; 56:10;58:1,1,10,14,</p>	<p>15:59;24:61;16;65:3, 3;71:12;75:21;76:3, 10;92:6;94:15,16; 99:17</p> <p><b>downtown (1)</b> 56:1</p> <p><b>draft (7)</b> 16:8,10;17:5,7; 22:25;23:20;81:23</p> <p><b>drafted (2)</b> 69:18;71:10</p> <p><b>drain (3)</b> 29:23,24;47:5</p> <p><b>drainage (2)</b> 29:6;91:18</p> <p><b>drawings (1)</b> 62:17</p> <p><b>drawn (1)</b> 81:3</p> <p><b>drill (4)</b> 55:20;56:11,15; 57:18</p> <p><b>drilling (6)</b> 40:2;55:14,18;56:8, 25;57:11</p> <p><b>drop (1)</b> 90:23</p> <p><b>DRS (1)</b> 76:10</p> <p><b>dryers (1)</b> 25:12</p> <p><b>due (1)</b> 80:10</p> <p><b>duration (1)</b> 77:9</p> <p><b>during (5)</b> 34:14;41:9;83:6; 87:24;98:3</p>
<b>E</b>				
				<p><b>EA (1)</b> 23:17</p> <p><b>earlier (6)</b> 22:19;41:8;55:23; 65:17;79:11;87:5</p> <p><b>early (2)</b> 79:24;83:8</p> <p><b>easement (12)</b> 29:14,15;37:4; 39:17,19;41:12; 59:18;91:5,20;98:5, 10,15</p> <p><b>easements (5)</b> 91:24;92:15,16,17; 98:3</p> <p><b>easier (2)</b> 86:14;99:21</p> <p><b>easiest (1)</b> 71:19</p> <p><b>east (9)</b> 12:14;49:12;51:14; 60:3;61:7,18,21;</p>

<p>62:12;75:24  <b>eastern (1)</b>                  65:12  <b>economic (1)</b>                  39:1  <b>edge (2)</b>                  37:4;95:12  <b>eDockets (5)</b>                  8:3;22:20,22;99:16,                  22  <b>effect (1)</b>                  65:5  <b>effects (1)</b>                  76:20  <b>eight (2)</b>                  25:5;75:23  <b>EIS (1)</b>                  35:21  <b>either (10)</b>                  18:22;22:13;39:16,                  22;40:7;65:2;81:20;                  90:5;91:17;99:7  <b>elected (1)</b>                  15:5  <b>electrical (1)</b>                  68:18  <b>electronic (2)</b>                  8:3;71:25  <b>element (1)</b>                  46:21  <b>elimination (1)</b>                  20:24  <b>ELLER (2)</b>                  34:3,3  <b>else (13)</b>                  17:9;18:24;22:8;                  25:13;29:23;31:1,6;                  32:17;36:8;52:15;                  62:22;87:14;98:12  <b>e-mail (7)</b>                  8:10;22:17;67:8;                  72:4,14;80:12;99:13  <b>e-mailed (1)</b>                  88:1  <b>emergency (1)</b>                  64:9  <b>eminent (6)</b>                  41:4,17,24;42:2;                  98:17,18  <b>employs (1)</b>                  42:15  <b>e-n (1)</b>                  94:2  <b>enabling (1)</b>                  78:7  <b>enactment (1)</b>                  14:14  <b>enclosed (1)</b>                  68:2  <b>encompasses (1)</b>                  74:12  <b>encountered (1)</b>                  95:15</p>	<p><b>encourage (1)</b>                  90:4  <b>encroachment (1)</b>                  41:1  <b>end (13)</b>                  13:1,11,22;49:10;                  58:9;60:22;61:3,6;                  65:12;73:6;75:18;                  80:2;96:22  <b>ending (1)</b>                  19:15  <b>ends (1)</b>                  63:3  <b>Energy (12)</b>                  4:5;5:1;8:22;9:12;                  14:1;21:11;67:22;                  68:11,24;73:2;77:13;                  78:11  <b>enforce (1)</b>                  42:23  <b>enforces (1)</b>                  44:11  <b>engineer (2)</b>                  26:20;32:7  <b>engineered (1)</b>                  57:15  <b>engineering (1)</b>                  9:17  <b>English (1)</b>                  29:15  <b>enough (4)</b>                  29:3;38:22;64:5;                  89:8  <b>entails (1)</b>                  75:13  <b>enter (2)</b>                  8:16,17  <b>entered (1)</b>                  36:7  <b>entire (1)</b>                  26:23  <b>entirely (1)</b>                  10:6  <b>entities (2)</b>                  64:9;95:16  <b>environment (1)</b>                  7:5  <b>environmental (36)</b>                  4:7,9;9:3,16;14:1,                  17,20,21;15:22;16:3,                  7;19:6;21:22,23;23:1,                  19,23;34:10;35:13;                  38:19;68:11;69:16,                  18;70:15,19;77:13,                  15;78:10,14,17,20;                  79:4;81:24;82:3,18;                  88:17  <b>Erosion (2)</b>                  54:20,21  <b>especially (1)</b>                  72:10  <b>established (1)</b>                  87:22</p>	<p><b>estimate (1)</b>                  71:8  <b>estimated (1)</b>                  7:7  <b>et (4)</b>                  11:15;75:10;77:17;                  91:18  <b>even (6)</b>                  24:20;30:9;31:10;                  50:1;64:3;92:15  <b>evening (4)</b>                  67:1,17;77:6;90:16  <b>event (1)</b>                  98:15  <b>eventually (3)</b>                  26:1;75:9;93:4  <b>everybody (7)</b>                  3:3;30:2;31:6;32:3,                  17,23;79:13  <b>everyone (1)</b>                  9:9  <b>evidence (2)</b>                  79:2,19  <b>exact (1)</b>                  94:8  <b>exactly (3)</b>                  12:17;25:17;94:11  <b>examine (1)</b>                  15:24  <b>examined (2)</b>                  57:8;83:6  <b>example (11)</b>                  19:18,22;20:13;                  37:1;40:15;43:14;                  64:16;83:1,84:23;                  85:7;92:24  <b>examples (2)</b>                  20:1;84:19  <b>excess (1)</b>                  10:24  <b>Excuse (4)</b>                  21:9;36:3;72:11,18  <b>exercise (1)</b>                  42:2  <b>exist (2)</b>                  13:17;95:24  <b>existing (6)</b>                  11:14;38:12;74:5;                  75:10;76:23;92:15  <b>expand (3)</b>                  10:15;26:24;93:3  <b>expanding (1)</b>                  11:1  <b>expansion (1)</b>                  39:1  <b>expect (4)</b>                  10:19;16:4;82:4,14  <b>expecting (2)</b>                  14:6;56:20  <b>explain (12)</b>                  3:21;4:1;5:6;17:18;                  68:6;69:7;79:5;80:2,                  3;92:1;96:14,15</p>	<p><b>explaining (1)</b>                  55:23  <b>exposed (1)</b>                  55:6  <b>extension (1)</b>                  28:19  <b>extra (4)</b>                  28:15;40:1;54:4;                  61:22  <b>extremely (1)</b>                  44:2</p> <p style="text-align: center;"><b>F</b></p> <p><b>facilities (5)</b>                  8:22;31:2;45:25;                  76:23;78:12  <b>facility (1)</b>                  73:2  <b>fact (2)</b>                  41:11;69:3  <b>factors (3)</b>                  5:11;69:14;75:11  <b>factory (1)</b>                  91:11  <b>fairly (1)</b>                  3:14  <b>fall (2)</b>                  21:4;45:21  <b>familiar (4)</b>                  55:22;58:6;64:12;                  92:6  <b>far (6)</b>                  38:22;42:11;58:1,1;                  61:21;64:6  <b>farm (4)</b>                  24:18;44:24;89:21;                  97:22  <b>farming (1)</b>                  49:15  <b>farms (2)</b>                  4:18;77:16  <b>fashion (2)</b>                  21:25;81:18  <b>favor (1)</b>                  62:21  <b>fax (5)</b>                  50:22;67:9;80:12;                  81:2,5  <b>faxed (1)</b>                  88:1  <b>features (1)</b>                  9:3  <b>February (1)</b>                  68:1  <b>fed (2)</b>                  65:23;66:13  <b>Federal (16)</b>                  21:11,12,14,20;                  29:9;40:17;42:23,24,                  25;44:7;45:3;86:9,16,                  19;87:3;91:14  <b>feds (2)</b></p>	<p>40:11;44:10  <b>feel (3)</b>                  53:20;95:17;99:12  <b>feet (26)</b>                  37:1,2,5,6,14;39:16,                  19,21;40:6,7;50:9;                  56:3,21,22;57:1;                  89:21;90:23;92:19,                  25;93:7,8,10,15;                  94:14,14;95:21  <b>fence (2)</b>                  21:23;49:14  <b>FERC (1)</b>                  45:25  <b>few (9)</b>                  9:15;14:10,25;                  20:25;23:13;24:5;                  55:24;84:19;88:25  <b>FHA (1)</b>                  95:16  <b>field (7)</b>                  38:2;50:1;54:23;                  59:6;89:21,24;91:8  <b>fields (1)</b>                  97:22  <b>figure (2)</b>                  32:5,7  <b>file (1)</b>                  70:3  <b>filed (2)</b>                  8:4;71:13  <b>files (1)</b>                  84:9  <b>filing (1)</b>                  87:21  <b>filings (2)</b>                  7:16;72:22  <b>fill (5)</b>                  22:14,15;24:2;                  72:13;89:5  <b>fill-in (1)</b>                  54:21  <b>final (6)</b>                  16:8;17:6,6;69:12;                  79:21;87:17  <b>finalized (1)</b>                  22:5  <b>financing (2)</b>                  95:16,20  <b>find (3)</b>                  9:2;57:21;72:21  <b>fine (4)</b>                  50:21;58:25;94:23;                  96:1  <b>fingers (1)</b>                  23:10  <b>finish (2)</b>                  36:4;97:6  <b>finishing (1)</b>                  63:11  <b>fire (1)</b>                  64:6  <b>first (18)</b></p>
--	--	--	--	---

<p>5:20;10:12;11:11, 24:16;22:24;6,9;25:4; 31:4;33:6,7;42:21; 59:14;70:10;76:14; 79:6,10;82:5</p> <p><b>fit (2)</b> 56:15;91:12</p> <p><b>fits (1)</b> 88:15</p> <p><b>five (8)</b> 4:14;12:2;28:5; 42:16,21;68:22; 75:20;97:13</p> <p><b>five-member (1)</b> 68:18</p> <p><b>fix (1)</b> 31:24</p> <p><b>fixed (1)</b> 13:13</p> <p><b>flat (1)</b> 32:11</p> <p><b>flip (1)</b> 75:1</p> <p><b>floodway (1)</b> 32:11</p> <p><b>fold (1)</b> 88:2</p> <p><b>folded (1)</b> 83:13</p> <p><b>folks (4)</b> 5:8,13;70:2;98:23</p> <p><b>follow (5)</b> 49:6;91:4,23;92:3, 15</p> <p><b>following (4)</b> 50:6,18;92:5;99:21</p> <p><b>follows (1)</b> 49:11</p> <p><b>foot (1)</b> 29:24</p> <p><b>force (1)</b> 98:25</p> <p><b>forecast (3)</b> 11:2;74:21,23</p> <p><b>forecasting (1)</b> 10:23</p> <p><b>forget (3)</b> 19:20;64:10;84:21</p> <p><b>forgetting (2)</b> 76:12;86:10</p> <p><b>forgot (1)</b> 47:14</p> <p><b>form (7)</b> 14:20;15:1;78:18; 80:7;81:20;87:25; 88:1</p> <p><b>formal (2)</b> 6:10;70:23</p> <p><b>forth (10)</b> 4:18;6:21;54:22,23; 64:1,7;68:21;69:1; 72:3;77:23</p> <p><b>forward (3)</b></p>	<p>5:7;43:7;80:4</p> <p><b>forwarded (1)</b> 69:19</p> <p><b>found (1)</b> 86:14</p> <p><b>four (2)</b> 68:22;97:13</p> <p><b>frame (3)</b> 7:7;96:11,21</p> <p><b>Frances (24)</b> 53:2,4,12,15,19; 54:7,14,18,21;55:4,8, 15;56:5,13;57:1,4,8, 12,22;58:8,14,23; 59:4,10</p> <p><b>franchise (5)</b> 46:3,4,6,10,16</p> <p><b>franchised (1)</b> 86:24</p> <p><b>franchises (1)</b> 86:25</p> <p><b>free (3)</b> 80:16;97:24;99:12</p> <p><b>Freeways (1)</b> 93:7</p> <p><b>frequent (1)</b> 7:12</p> <p><b>frequently (1)</b> 8:8</p> <p><b>front (8)</b> 7:18;18:25;27:1,12; 36:18;41:13;58:17; 80:20</p> <p><b>frowned (1)</b> 41:2</p> <p><b>frustrating (1)</b> 30:10</p> <p><b>fuel (1)</b> 46:23</p> <p><b>full (2)</b> 15:6;78:24</p> <p><b>further (2)</b> 24:20;47:17</p> <p><b>future (2)</b> 37:17;74:5</p>	<p>55:24;62:2;64:12,14, 16,22,23,23;65:2,23; 67:23;68:18,19;69:2; 73:16,25;74:14;76:2; 77:19;86:15,20,21,22; 87:3,10,12</p> <p><b>gasifier (1)</b> 55:25</p> <p><b>gather (1)</b> 4:8</p> <p><b>gauged (1)</b> 22:12</p> <p><b>gave (3)</b> 96:10;98:5,6</p> <p><b>general (3)</b> 28:16,18;96:21</p> <p><b>Generally (8)</b> 20:15;25:6;41:19; 81:14;82:2;92:23; 94:14;99:8</p> <p><b>generating (1)</b> 55:25</p> <p><b>generation (1)</b> 68:24</p> <p><b>gentleman (1)</b> 90:6</p> <p><b>gentlemen (1)</b> 52:16</p> <p><b>German (1)</b> 39:13</p> <p><b>germane (1)</b> 99:18</p> <p><b>gets (1)</b> 62:8</p> <p><b>GIS (1)</b> 8:24</p> <p><b>given (5)</b> 6:4;38:24;64:17; 97:12,21</p> <p><b>gives (5)</b> 18:3;20:3;23:20; 81:24;87:16</p> <p><b>glad (3)</b> 18:23;67:12;88:21</p> <p><b>goes (14)</b> 6:22;23:9;31:5,13; 48:25;58:12;59:16, 24;60:3,18,20;62:15; 63:10;66:10</p> <p><b>gonna (1)</b> 31:24</p> <p><b>Good (21)</b> 3:2;9:9,20;13:24; 27:24;28:8;30:1;32:9, 23;33:3;46:8;53:3; 57:22;58:23;59:13; 67:17;75:7;77:6; 84:17,18;90:16</p> <p><b>Gopher (2)</b> 64:20;65:5</p> <p><b>Gotcha (1)</b> 47:10</p> <p><b>governed (1)</b></p>	<p>14:12</p> <p><b>governing (1)</b> 77:22</p> <p><b>government (4)</b> 21:14;42:9,10;87:3</p> <p><b>grade (1)</b> 61:4</p> <p><b>grain (1)</b> 25:12</p> <p><b>grand (1)</b> 62:4</p> <p><b>gravity (1)</b> 47:15</p> <p><b>grayness (1)</b> 81:5</p> <p><b>Great (3)</b> 45:23;58:25;68:3</p> <p><b>greater (2)</b> 69:8;91:9</p> <p><b>greatly (1)</b> 70:7</p> <p><b>green (1)</b> 23:25</p> <p><b>ground (5)</b> 29:8;31:4;40:18,21; 91:16</p> <p><b>group (5)</b> 9:16,17;68:12,22; 89:8</p> <p><b>growing (2)</b> 30:3;74:22</p> <p><b>grown (1)</b> 74:7</p> <p><b>growth (7)</b> 10:18,25;37:17; 38:7;54:3;61:23;74:8</p> <p><b>guess (22)</b> 11:19;15:17;16:23; 17:6,8,16;23:3,4,18; 30:11;32:2;46:10; 64:17;70:25;77:22; 80:2,12;84:4,10; 88:19;92:1;97:25</p> <p><b>guys (7)</b> 6:3;27:24;30:8,13; 31:8,15;32:21</p>	<p><b>hands (1)</b> 48:4</p> <p><b>Hanson (9)</b> 93:24,24;94:1,3,6, 23;95:5,7;96:1</p> <p><b>happen (2)</b> 65:8,8</p> <p><b>happened (2)</b> 29:20;35:17</p> <p><b>happens (3)</b> 25:25;59:19;92:24</p> <p><b>happy (4)</b> 8:25;9:4;13:22; 72:6</p> <p><b>hard (3)</b> 32:21;39:13;78:2</p> <p><b>Hartman (122)</b> 7:19;13:24,25; 24:17,23;25:2,9; 27:20;28:5,10;29:4, 22;30:17;31:16,23; 32:13,18,25;34:1; 35:2,6,15,22;36:1; 38:5,15;39:10,18,21; 40:11,24;41:6;42:13; 43:5,20,24;44:3,6,13, 16,20;45:5,9,12,18; 47:4,11,20;48:7,17, 23;50:8,11,19;51:6, 11,14,17,21,25;52:4, 7,15,19,22;53:10,13, 17,22;54:12,17,20; 55:2,7,12,17;56:6,14, 22;57:16;58:6,13,16; 59:2,8,11;62:20; 63:18;64:8;65:12,18, 22;66:2,7,23;77:6,7; 86:13;89:7,12,14,25; 90:3,10,14,16;91:6, 25;92:23;93:19,23; 94:1,5,12;95:3,6,9; 96:2,4,12;97:7,23</p> <p><b>hassle (1)</b> 30:9</p> <p><b>haunt (1)</b> 30:13</p> <p><b>hay (2)</b> 50:1,2</p> <p><b>Hazardous (1)</b> 86:12</p> <p><b>hazards (1)</b> 86:11</p> <p><b>hear (2)</b> 3:9;79:18</p> <p><b>heard (5)</b> 33:9,12,13;59:1; 65:16</p> <p><b>hearing (13)</b> 6:7,8;15:20;16:19; 17:8;33:6;69:24; 70:21;79:13,15; 82:13;83:6,7</p> <p><b>Hearings (5)</b></p>
	<b>G</b>		<b>H</b>	
<p><b>garage (1)</b> 95:21</p> <p><b>GARY (7)</b> 90:17,17;91:22; 92:18;93:16,21;97:20</p> <p><b>gas (66)</b> 4:2,20,21;10:9; 11:25;12:8;21:4,6,7,7, 15;24:15;25:3,10; 26:14;30:2;32:22; 33:10;34:13,20;35:2, 4;36:14,15;37:21,23; 40:19;42:18,19,24; 43:3,8,9;44:8;45:20, 21,23;47:4,6,15;</p>		<p><b>half (4)</b> 51:14,14,16,16</p> <p><b>hand (4)</b> 14:4;24:8;89:9; 90:8</p> <p><b>handing (1)</b> 35:8</p> <p><b>handle (3)</b> 32:6;64:2,7</p> <p><b>handout (2)</b> 3:12;96:9</p> <p><b>handouts (5)</b> 17:24,25;67:4;80:5; 99:5</p>		

5:6;16:5;79:16,18; 85:15 <b>heavier (1)</b> 22:11 <b>height (1)</b> 90:23 <b>held (1)</b> 82:15 <b>Hello (1)</b> 42:8 <b>help (10)</b> 5:13;9:4;60:8; 70:12;72:6,12;74:4,5; 81:15;90:6 <b>helpful (2)</b> 52:10;81:1 <b>helping (1)</b> 73:6 <b>Here's (2)</b> 7:25;8:20 <b>hesitant (1)</b> 18:25 <b>Hi (1)</b> 73:12 <b>high (9)</b> 12:9;24:24;37:23; 57:24;76:2,4,4;77:15; 91:10 <b>higher (1)</b> 71:22 <b>highway (1)</b> 83:22 <b>highways (1)</b> 93:5 <b>hill (1)</b> 57:6 <b>hire (1)</b> 70:2 <b>historic (2)</b> 19:21;84:22 <b>hit (3)</b> 31:13;46:24;47:2 <b>hold (2)</b> 28:25;79:7 <b>holding (1)</b> 87:6 <b>hole (4)</b> 55:22;56:15;57:18, 20 <b>holidays (1)</b> 7:9 <b>home (4)</b> 3:18;25:12;64:24; 72:24 <b>homes (1)</b> 76:7 <b>hook (6)</b> 24:24;25:19;26:5,8, 12,14 <b>hooked (1)</b> 27:13 <b>hooking (3)</b> 24:15,22;26:13	<b>hope (1)</b> 51:3 <b>horizontal (4)</b> 40:2;55:13,18;56:8 <b>hotels (2)</b> 59:21;61:14 <b>house (11)</b> 25:10;27:3,12; 36:19,20,23;37:2,3; 64:15;95:8,12 <b>houses (4)</b> 27:3,5;36:17,25 <b>Housing (1)</b> 24:19 <b>HUD (1)</b> 95:22 <b>huge (2)</b> 38:1;63:11 <b>huh (1)</b> 44:16 <b>human (1)</b> 82:17 <b>hydrostatic (2)</b> 20:22;86:4	75:6 <b>imperfections (1)</b> 78:5 <b>important (3)</b> 5:23;7:17;71:22 <b>importantly (1)</b> 3:8 <b>impression (1)</b> 65:10 <b>improve (2)</b> 11:5;74:15 <b>inaccuracy (1)</b> 92:8 <b>inadequate (1)</b> 18:17 <b>Inaudible (1)</b> 12:20 <b>inch (3)</b> 4:22;65:11;69:4 <b>inches (13)</b> 29:7,10;30:21,23; 43:20;44:2,12;53:9, 11,11,11;91:15,19 <b>incidents (2)</b> 64:19;65:2 <b>include (2)</b> 34:11;35:24 <b>included (3)</b> 34:10;82:19;83:10 <b>includes (1)</b> 79:3 <b>including (8)</b> 8:6,6,7;17:10;33:7; 68:25;71:4;72:23 <b>inconvenience (1)</b> 49:21 <b>increased (1)</b> 10:17 <b>increasing (1)</b> 74:1 <b>indicated (2)</b> 34:7;87:5 <b>individual (1)</b> 32:6 <b>information (40)</b> 3:7,14,4;3,8,17; 5:17,20;6:1,21,24; 7:15;8:4,6,18,20; 16:22;17:14;18:17, 19;30:17;33:14;38:5; 68:9,13;69:25;70:5, 11,14,17;72:14,19; 79:4,12,25;81:14,15; 83:9;84:1;88:9;99:20 <b>initial (1)</b> 65:14 <b>initially (1)</b> 16:13 <b>initiate (1)</b> 15:21 <b>input (6)</b> 3:10;5:24,24;6:3, 11;8:13	<b>inspect (3)</b> 21:15;42:18;86:20 <b>inspected (2)</b> 13:9;76:17 <b>inspection (6)</b> 21:2;40:14,17; 42:20;87:1,2 <b>inspections (1)</b> 40:20 <b>inspector (1)</b> 86:19 <b>inspects (1)</b> 40:14 <b>install (1)</b> 28:17 <b>installed (2)</b> 62:1;66:1 <b>instance (1)</b> 16:9 <b>interested (6)</b> 8:14;28:21;32:14; 62:7,19;70:2 <b>interpret (1)</b> 78:2 <b>interstate (14)</b> 10:14;11:25;21:7,9, 16;42:18,19,20; 45:22;74:11,13;76:3; 86:20,22 <b>intervene (1)</b> 22:8 <b>intervening (1)</b> 70:1 <b>into (22)</b> 5:25;12:4,9;14:23; 20:17;25:10,20;26:6, 13;28:15,19;32:3; 36:7;45:21;64:15; 65:5;76:17;78:20; 83:14;88:15,17;89:23 <b>intrastate (3)</b> 21:16;46:1;86:22 <b>introduced (1)</b> 20:17 <b>introduction (1)</b> 81:25 <b>involve (1)</b> 12:11 <b>involved (3)</b> 20:10;85:10;86:5 <b>involvement (1)</b> 87:11 <b>involves (3)</b> 11:7,23;74:25 <b>issue (7)</b> 34:14;37:24;38:19, 20;44:24;48:12;50:15 <b>issued (5)</b> 41:7,16;67:25; 85:16;98:16 <b>issues (7)</b> 17:16;20:19;21:21; 68:19;82:17;86:1,3	<b>items (1)</b> 68:1  <b>J</b>  <b>Janet (4)</b> 23:5,9,12;88:24 <b>job (1)</b> 13:6 <b>John (17)</b> 42:6,8;43:2,17,22, 25;44:5,9,15,17,22; 45:7,10,14;46:21; 47:10,19 <b>judge (9)</b> 6:9,16,22;17:8; 41:21;70:23;71:3,11; 79:17 <b>judge's (1)</b> 69:23 <b>July (2)</b> 16:13;82:6 <b>June (2)</b> 83:1;88:14 <b>jurisdiction (1)</b> 45:24  <b>K</b>  <b>KALUZNIAK (6)</b> 3:2,4,25;67:17,18; 73:1 <b>keep (6)</b> 7:14,22;72:4;76:12; 84:9;86:9 <b>keeping (1)</b> 40:12 <b>kind (30)</b> 13:3;15:6,12,13; 16:20;19:4,16;21:23; 22:1,5;23:21;28:8,13, 24;32:5;56:9;60:13; 66:10;71:21;76:11; 77:21;78:20;79:22, 23;81:23;83:13;87:4; 94:8;95:18;97:11 <b>kitty-corner (2)</b> 55:16;59:5 <b>knew (2)</b> 55:5;90:9 <b>knowing (1)</b> 52:12 <b>knows (2)</b> 30:2;70:8  <b>L</b>  <b>lack (1)</b> 46:11 <b>laid (2)</b> 16:25;54:22 <b>Lakes (1)</b> 45:23
---	--	--	---	--

<p><b>land (19)</b>                      19:10;20:13;29:5;                      31:18;32:14;37:10;                      10;38:24;40:9;43:14;                      49:18;84:12,14,16,16;                      91:12,18;94:4,7</p> <p><b>landowner (3)</b>                      40:4;42:5;91:20</p> <p><b>Landowners (5)</b>                      29:8;41:5,6;42:5;                      98:3</p> <p><b>landowner's (2)</b>                      97:8,12</p> <p><b>lands (4)</b>                      20:19;85:19,21;                      86:1</p> <p><b>large (1)</b>                      20:1</p> <p><b>larger (1)</b>                      54:4</p> <p><b>Larry (125)</b>                      7:19;13:24,25;                      24:17,23;25:2,9,16;                      27:20;28:5,10;29:4,                      22;30:17;31:16,23;                      32:13,18,25;34:1;                      35:2,6,15,22;36:1;                      38:5,15;39:10,18,21;                      40:11,24;41:6;42:13;                      43:5,20,24;44:3,6,13,                      16,20;45:5,9,12,18;                      47:4,11,20;48:7,17,                      23;50:8,11,19;51:6,                      11,14,17,21,25;52:4,                      7,15,19,22;53:10,13,                      17,22;54:12,17,20;                      55:2,7,12,17;56:6,14,                      22;57:16;58:6,13,16;                      59:2,8,11;62:20;                      63:18;64:8;65:12,18,                      22;66:2,7,23;69:6;                      71:15;77:6,7;86:13;                      89:7,12,14,25;90:3,                      10,14,16;91:6,25;                      92:23;93:19,23;94:1,                      5,12;95:3,6,9;96:2,4,                      12;97:7,23</p> <p><b>Larry's (1)</b>                      96:24</p> <p><b>last (10)</b>                      13:14;25:5,5;34:17;                      61:13;65:4;74:7;                      77:22;81:11;91:23</p> <p><b>late (2)</b>                      77:21;83:8</p> <p><b>later (2)</b>                      30:16;69:8</p> <p><b>law (11)</b>                      5:10;6:9,16,22;                      46:14;69:23;70:23;                      71:2,11;79:17;91:14</p> <p><b>laws (2)</b>                      4:23;7:6</p>	<p><b>lay (2)</b>                      13:7;76:15</p> <p><b>laying (1)</b>                      54:24</p> <p><b>lead (1)</b>                      73:2</p> <p><b>leaks (1)</b>                      65:2</p> <p><b>lean (1)</b>                      47:12</p> <p><b>learn (1)</b>                      78:4</p> <p><b>least (1)</b>                      80:11</p> <p><b>leave (3)</b>                      22:14;31:14;84:7</p> <p><b>led (1)</b>                      78:7</p> <p><b>LEE (16)</b>                      9:9,11;12:18,23;                      25:16;26:7,19;33:13,                      17;58:20;60:7;73:12,                      12;75:20;86:12;96:23</p> <p><b>left (1)</b>                      66:20</p> <p><b>legal (1)</b>                      71:24</p> <p><b>l-e-g-a-l-e-c-t-r-i-c (1)</b>                      35:10</p> <p><b>legalelectricorg (1)</b>                      35:9</p> <p><b>legislation (2)</b>                      14:14;78:7</p> <p><b>legislature (1)</b>                      68:21</p> <p><b>length (3)</b>                      20:3;85:4,6</p> <p><b>lengthy (1)</b>                      3:15</p> <p><b>less (4)</b>                      28:9;30:24;47:11;                      89:21</p> <p><b>letters (1)</b>                      29:16</p> <p><b>level (3)</b>                      21:19;74:8;86:9</p> <p><b>Levi (3)</b>                      14:3;77:7;89:6</p> <p><b>life (1)</b>                      80:21</p> <p><b>light (1)</b>                      5:21</p> <p><b>likely (6)</b>                      19:2;36:12;49:23;                      89:22;96:20;99:10</p> <p><b>likes (1)</b>                      94:15</p> <p><b>limit (3)</b>                      23:13;88:24;89:2</p> <p><b>limited (1)</b>                      38:22</p> <p><b>Lindsay (24)</b>                      26:19,21,21;27:8,</p>	<p>15;28:14,24;33:18,                      23;34:4;53:24;56:18;                      60:7,12,25;61:20;                      66:8,14,17;75:19;                      94:21;96:17,17;97:5</p> <p><b>L-I-N-D-S-A-Y (1)</b>                      26:22</p> <p><b>line (52)</b>                      11:18,20;12:9;                      18:20;19:19;24:16,                      21;25:17,18,19;26:9,                      14,23,23;27:11;                      28:17;32:3;33:10,11,                      19;34:6;37:11;39:17;                      43:10,15,18;49:7,7,                      12;50:6,14,16,18;                      51:18;54:4,6,13;65:2;                      66:5,9,10;74:13,20;                      75:13,14;76:3,13;                      79:1,2;81:3;83:2;                      97:11</p> <p><b>lines (34)</b>                      4:18;21:8,15,17;                      25:20;31:22;42:19,                      19,20;43:8,8,9;45:22;                      46:1;47:5,21;49:11,                      12;51:19,23;52:2,10;                      64:14,15,16,22;69:1;                      77:16;84:20;86:15,                      16,20,21;87:3</p> <p><b>line-type (1)</b>                      13:5</p> <p><b>link (1)</b>                      99:19</p> <p><b>liquid (4)</b>                      21:17;65:2;86:16;                      87:3</p> <p><b>liquids (1)</b>                      64:13</p> <p><b>list (3)</b>                      8:12,18;72:8</p> <p><b>listed (2)</b>                      69:15;72:2</p> <p><b>lists (1)</b>                      80:20</p> <p><b>literally (1)</b>                      48:15</p> <p><b>little (23)</b>                      3:23;9:23;18:13;                      21:3;22:11;23:11,20;                      27:2,25;30:15;43:18;                      48:22;61:22;64:12;                      73:15;76:14;79:6;                      80:20;81:25;94:15;                      96:23;97:15;99:21</p> <p><b>live (2)</b>                      27:22;90:18</p> <p><b>load (3)</b>                      10:16;74:5,6</p> <p><b>locate (1)</b>                      72:13</p> <p><b>located (1)</b>                      96:19</p>	<p><b>location (9)</b>                      7:4;36:21;43:11;                      46:2;57:21;69:12;                      77:21,23;98:19</p> <p><b>locations (2)</b>                      9:1;43:9</p> <p><b>long (5)</b>                      8:18;23:9;52:14;                      84:18;96:25</p> <p><b>longer (3)</b>                      15:6;68:4;97:15</p> <p><b>longevity (1)</b>                      91:2</p> <p><b>look (15)</b>                      7:21;11:13;13:18;                      27:3;52:11;57:25;                      58:20;64:13,24;                      69:14;71:5;82:2;                      83:15;85:8;93:5</p> <p><b>looked (3)</b>                      26:13;47:1;57:12</p> <p><b>looking (6)</b>                      30:6;37:9;38:14;                      39:19;58:18;62:3</p> <p><b>looks (7)</b>                      8:16;13:15;55:9;                      59:15,24;76:22;94:4</p> <p><b>loop (1)</b>                      11:3</p> <p><b>looping (1)</b>                      30:5</p> <p><b>loose (1)</b>                      7:8</p> <p><b>lost (1)</b>                      81:5</p> <p><b>lot (9)</b>                      3:7;21:18;30:15;                      36:25;39:4;54:3,19;                      68:20;77:14</p> <p><b>lots (2)</b>                      4:16;8:3</p> <p><b>loud (1)</b>                      27:25</p> <p><b>Louis (11)</b>                      24:9,11,14,19;25:1,                      8;26:3,11;27:6,11,18</p> <p><b>lower (2)</b>                      26:9;65:13</p> <p><b>LYLE (17)</b>                      26:21,22;27:8,15;                      28:14,24;33:23;                      53:24;60:12,25;                      61:20;66:8,14,17;                      75:19;96:17,17</p> <p><b>L-Y-L-E (2)</b>                      26:22;96:18</p>	<p><b>mail (4)</b>                      22:16;67:9;80:12;                      88:4</p> <p><b>mailed (1)</b>                      87:25</p> <p><b>mailing (1)</b>                      8:12</p> <p><b>main (4)</b>                      25:20,20;26:8;48:9</p> <p><b>mainly (1)</b>                      61:9</p> <p><b>mains (1)</b>                      26:1</p> <p><b>maintain (1)</b>                      22:21</p> <p><b>maintains (1)</b>                      71:21</p> <p><b>major (2)</b>                      49:21;64:19</p> <p><b>majority (2)</b>                      54:2;61:10</p> <p><b>making (2)</b>                      69:10;78:6</p> <p><b>many (6)</b>                      10:4;41:19;45:20;                      73:20;75:6;92:2</p> <p><b>map (21)</b>                      9:2;11:10;12:12,13,                      15;17:23;18:6;48:20;                      62:23;66:9;73:17;                      75:2,16,22;80:25;                      81:1,2;83:21;84:6;                      85:2;90:5</p> <p><b>mapping (2)</b>                      8:24;84:2</p> <p><b>maps (10)</b>                      8:7;18:24;49:4;                      50:20;52:5,9;72:21;                      83:22;84:3,4</p> <p><b>March (2)</b>                      71:12;87:7</p> <p><b>Mark (14)</b>                      47:23,25;48:3,8,19,                      24;50:10,13,25;51:9,                      13,15,20;52:17</p> <p><b>marker (1)</b>                      90:20</p> <p><b>markers (1)</b>                      64:22</p> <p><b>matched (1)</b>                      22:2</p> <p><b>material (2)</b>                      86:10,12</p> <p><b>materials (5)</b>                      6:11,17;57:20;                      72:22,23</p> <p><b>matter (3)</b>                      70:22;79:19;82:7</p> <p><b>mature (2)</b>                      89:19,20</p> <p><b>maximum (1)</b>                      66:3</p> <p><b>may (8)</b></p>
		<b>M</b>		
		<b>ma'am (1)</b> 59:9	<b>matter (3)</b> 70:22;79:19;82:7	
		<b>machine (1)</b> 46:24	<b>mature (2)</b> 89:19,20	
			<b>maximum (1)</b> 66:3	
			<b>may (8)</b>	

<p>3:9;14:5;16:1;                  41:11;44:12;70:13;                  73:9;94:19  <b>Maybe (10)</b>                  19:9;23:11;24:6,20;                  46:8;48:1;84:6;92:3;                  93:2;97:12  <b>mean (14)</b>                  9:21;24:18;26:8;                  30:3;33:11;17;37:17;                  44:1;46:25;48:15;                  55:2;60:2;65:8;87:18  <b>Meaning (2)</b>                  53:10;76:13  <b>means (9)</b>                  21:8;22:6;30:19;                  41:14;55:19;82:25;                  87:20;93:12;95:11  <b>meant (3)</b>                  10:10;52:1;76:19  <b>measures (1)</b>                  83:16  <b>meet (5)</b>                  10:17;11:1;19:13;                  74:23;87:21  <b>meeting (20)</b>                  3:1,12;5:21;7:16;                  16:22;23:9;67:1,15,                  16;68:1;70:11,20;                  71:11;79:8,8,10,12,                  14,24;99:25  <b>meetings (3)</b>                  17:14;79:7;82:16  <b>member (1)</b>                  68:10  <b>members (1)</b>                  63:20  <b>memorial (2)</b>                  19:25;84:25  <b>mention (8)</b>                  7:10;8:23;33:9;                  41:22;91:13;98:1,14;                  99:15  <b>mentioned (14)</b>                  15:17;21:5;22:19;                  31:17;34:5;41:8;69:8;                  70:20;77:18;79:16;                  83:12;84:2;92:14;                  98:1  <b>MERC (21)</b>                  4:4;9:8;15:5;22:7;                  24:18;38:7;40:14;                  46:2;53:18,22;68:8;                  73:10,13;76:23;84:2;                  85:13;86:23;87:9,12;                  91:7;96:14  <b>message (1)</b>                  7:22  <b>mic (2)</b>                  12:20;24:13  <b>MICHAEL (7)</b>                  3:2,4,25;67:17,18;                  73:1,14</p>	<p><b>microphone (1)</b>                  89:15  <b>middle (3)</b>                  33:12;38:2;66:18  <b>midpoint (1)</b>                  28:8  <b>midway (2)</b>                  28:3,13  <b>might (41)</b>                  3:19;6:9;17:1,17;                  25:3,10;39:25;40:16;                  41:19;43:12,14;46:8;                  50:19;52:1,9;57:19;                  68:14;70:14;71:23;                  78:6,12,12;81:13;                  82:18,19;84:5,8;85:8,                  22,23;86:21;87:5;                  92:24;93:6,7,11;                  94:16;95:13,17;97:9;                  98:22  <b>Mike (2)</b>                  22:19;79:16  <b>mile (1)</b>                  90:20  <b>miles (12)</b>                  12:2,2;20:3,5,6;                  25:5;28:6;75:21,24;                  85:2,3,6  <b>mind (1)</b>                  64:17  <b>minimize (1)</b>                  31:20  <b>minimum (3)</b>                  29:7,10;91:14  <b>Minnesota (52)</b>                  3:5;4:4,25;6:20;                  9:11,13;10:5,6,7;                  13:25;14:13,16;15:1,                  8;20:1,8,11,11,18,23;                  21:10,13;29:4,11;                  36:24;38:9;42:10,14,                  20;65:1;67:19,22;                  73:22,23;77:10,12,20,                  23;78:8,9,16;85:3,12,                  17;86:2,6,25;91:16;                  93:1;95:9,10;97:1  <b>minutes (2)</b>                  23:14;88:25  <b>missing (2)</b>                  18:17;81:13  <b>mistaken (1)</b>                  55:19  <b>mitigate (3)</b>                  19:9;84:11,14  <b>mitigation (5)</b>                  16:1;20:15;31:17;                  83:16;85:13  <b>mitigations (1)</b>                  83:16  <b>mixing (1)</b>                  31:20  <b>mixture (1)</b>                  47:7</p>	<p><b>Model (1)</b>                  37:22  <b>monetary (1)</b>                  41:5  <b>money (2)</b>                  30:15;98:12  <b>month (1)</b>                  14:6  <b>months (1)</b>                  61:13  <b>more (33)</b>                  6:10;7:20;8:10;                  10:13;14:9;15:5;                  17:24;19:2;21:3;                  22:24;27:2;28:9;                  30:19;31:4;39:3;                  40:12;44:16;45:21;                  49:6,6;53:21;54:3;                  62:16;64:12;71:22;                  73:5;81:1;88:9;92:7;                  95:13;97:10;99:9,18  <b>morning (1)</b>                  87:8  <b>MOSER (9)</b>                  56:20,24;57:3,7,10,                  14;92:10,21;95:1  <b>most (12)</b>                  3:8,14;18:20;27:23;                  38:24;41:1;42:19;                  43:15;49:23;64:9;                  84:20;96:20  <b>move (4)</b>                  11:4,5;36:12;37:17  <b>moves (1)</b>                  97:11  <b>moving (4)</b>                  46:23;49:9;55:10;                  89:23  <b>much (10)</b>                  17:23;19:17;26:9;                  30:9;68:1;77:3;84:17,                  18;86:14;93:22  <b>muddiest (1)</b>                  54:25  <b>multiple (1)</b>                  27:3  <b>must (1)</b>                  30:10  <b>myself (2)</b>                  8:22;99:8</p>	<p>20:24  <b>natural (38)</b>                  4:2,19;10:9;11:25;                  19:10;20:18;21:6,7,                  15;25:3;28:16;30:2;                  32:22;33:10;37:21,                  23;42:18,19;44:8;                  45:23,23;49:6,11;                  50:6;65:19,23;68:19;                  69:2;73:16,25;74:14;                  77:19;84:12;85:17;                  86:15,20,21;87:10  <b>navigate (1)</b>                  21:24  <b>NDPS (1)</b>                  86:3  <b>necessary (3)</b>                  5:18;7:5;23:12  <b>need (29)</b>                  6:25;10:15;11:3,14;                  18:7,23;19:13;20:22;                  35:17,19;38:4;49:19;                  53:20;67:7;74:13;                  75:4;80:23,25;81:7,                  14,17;84:3,6;85:22;                  88:9;90:5;94:10,24,                  24  <b>needed (2)</b>                  11:11;54:5  <b>needs (1)</b>                  23:9  <b>negotiate (5)</b>                  41:9;42:1;61:3;                  97:25;98:3  <b>neighbor (1)</b>                  48:5  <b>neighborhoods (1)</b>                  70:8  <b>neighbors (1)</b>                  27:24  <b>neighbor's (1)</b>                  84:16  <b>new (23)</b>                  12:4,12,13;19:23;                  24:15,21;26:3;36:19;                  53:24;54:2;55:25;                  58:24;59:22,25;61:8,                  14;62:13;63:6;66:18;                  75:21;76:10,10;92:16  <b>news (1)</b>                  59:1  <b>next (19)</b>                  6:7;10:24;11:9;                  13:5;22:4;27:20;33:1;                  39:11;42:6;47:23;                  48:7;51:25;52:24;                  53:1,14;59:11;74:8;                  76:15;99:12  <b>nice (1)</b>                  89:20  <b>NNG (7)</b>                  10:21;33:14,19,20;                  74:14,20,22</p>	<p><b>nobody (2)</b>                  53:6;70:7  <b>nominal (4)</b>                  40:6;91:19;92:25;                  93:15  <b>normally (4)</b>                  14:22;16:6;18:11;                  29:9  <b>North (8)</b>                  10:2;51:24;59:16;                  60:10,19;61:12;                  62:11;85:4  <b>northern (15)</b>                  20:1;21:6;25:3;                  28:16;33:10,24;                  45:23;65:19,21,23;                  73:18;74:14;85:2;                  86:21;87:10  <b>northwest (5)</b>                  12:11;54:3;62:2;                  66:17;75:16  <b>note (1)</b>                  5:24  <b>notice (6)</b>                  3:13;5:4,22;7:18;                  67:25;72:17  <b>notices (5)</b>                  7:10,16,16;8:7;                  22:25  <b>notify (1)</b>                  72:14  <b>nowadays (1)</b>                  41:21  <b>number (13)</b>                  8:17;20:9;22:18;                  25:24;29:11;37:15;                  65:2,7;72:16,17;                  77:24;85:9;95:15  <b>numbers (2)</b>                  8:16;64:25  <b>numerous (1)</b>                  88:25  <b>nutshell (1)</b>                  76:8</p>
<b>O</b>				
		<p><b>nailling (1)</b>                  71:12  <b>name (13)</b>                  3:4;7:14;13:25;                  23:5;26:21;34:3;                  67:18;73:1;77:7;                  88:23;89:10,13;96:6  <b>narrow (2)</b>                  94:15,16  <b>national (1)</b></p>	<p><b>OAH (1)</b>                  5:5  <b>objective (1)</b>                  83:15  <b>obligations (1)</b>                  87:21  <b>obviously (4)</b>                  7:3;30:20;48:9;                  49:17  <b>occupied (1)</b>                  14:7  <b>occurred (2)</b>                  41:1;78:1  <b>off (12)</b>                  10:22;11:4,25;12:8;                  25:21;26:2;40:12;</p>	

<p>50:6;57:25;58:9; 65:19;76:2 <b>offer (1)</b> 32:20 <b>offering (1)</b> 32:14 <b>Office (11)</b> 5:5;20:25;21:12; 42:14,17;45:6;65:1; 79:18;86:5,19;99:10 <b>often (3)</b> 6:18;64:11;73:4 <b>oil (5)</b> 20:2;21:17;44:23; 47:21;85:3 <b>o-n (2)</b> 94:1,3 <b>once (18)</b> 15:19;16:3;17:4; 19:1;25:25;40:18,21; 41:7,16;48:1;56:15; 60:9;70:17;73:6; 76:16;88:10,15;98:16 <b>one (65)</b> 3:12,18;6:19;7:2, 13:8;4:14;23:15;13; 17:25;19:19,24;20:5, 11;23:4;24:23;26:16, 18;27:2;31:5;37:2,20, 22;38:1;41:18,21; 42:21;43:7;44:16; 45:1,19;46:13;50:25; 55:20;56:7;60:8;62:5; 63:9;64:16,20;65:5, 20;66:17,19;70:10; 78:12,20;79:25;80:6, 22;83:14;84:9,21,23; 85:20,24;87:1,13; 88:22;89:11;91:3; 92:11;94:20;95:5,5, 18 <b>one-third (1)</b> 62:5 <b>online (3)</b> 8:1;47:1;72:15 <b>only (6)</b> 22:23;27:1;42:16; 73:24;74:21;82:23 <b>onus (1)</b> 81:17 <b>open (3)</b> 23:3,24;89:21 <b>operability (2)</b> 11:5;74:16 <b>operate (1)</b> 69:3 <b>operated (1)</b> 66:3 <b>operations (1)</b> 49:15 <b>operator (2)</b> 21:7;86:22 <b>opportunity (5)</b></p>	<p>16:14,23;17:15; 18:14;23:15 <b>options (1)</b> 49:8 <b>oral (1)</b> 87:17 <b>orange (5)</b> 5:23;7:11,13;8:12; 72:12 <b>orange-shaded (1)</b> 66:6 <b>orangey (1)</b> 60:13 <b>order (2)</b> 71:13;82:6 <b>ordered (1)</b> 82:6 <b>ordinance (1)</b> 95:10 <b>o-r-g (1)</b> 35:10 <b>original (1)</b> 19:23 <b>others (7)</b> 22:3;23:16;34:9; 84:13;85:21,25;93:6 <b>Ours (2)</b> 21:22;46:12 <b>ourselves (1)</b> 81:17 <b>out (39)</b> 3:3;4:10;7:10;9:5; 16:25;22:14,15;24:2, 7;25:2;27:25;30:20; 31:1;32:5,8,10;37:17; 38:23;39:5;40:16,22; 41:9;47:5;50:23;52:8; 57:5,16,23;61:17; 62:15,22;67:20;71:9; 72:13;76:7;82:8;89:5; 95:19;98:2 <b>outline (1)</b> 23:21 <b>outside (4)</b> 38:11;46:9;50:15; 92:22 <b>over (32)</b> 4:21;5:22;8:25;9:7; 10:2,24;11:16;12:14; 13:2;17:1;24:3;31:6; 36:17,17;44:10,24; 45:24;55:10;58:19; 61:13;65:4;69:4;73:9; 75:24;76:10;77:12; 78:1;79:14,17;93:17; 96:15;97:22 <b>Overland (14)</b> 33:2,3,4,15,20,25; 34:8;35:4,7,20,23; 36:3;38:13,17 <b>overseeing (1)</b> 42:10 <b>oversight (2)</b></p>	<p>20:10;21:18 <b>overview (1)</b> 9:20 <b>own (9)</b> 22:21;28:22;41:11; 74:15;84:9;90:19; 93:14;99:9,16  <b>P</b>  <b>page (3)</b> 7:18;22:21;64:24 <b>paper (5)</b> 22:12;33:18;80:8, 18;88:11 <b>parallel (3)</b> 15:15;51:22;52:1 <b>paralleling (2)</b> 93:11,12 <b>parameters (1)</b> 83:5 <b>parcel (1)</b> 90:19 <b>parcels (2)</b> 94:4,6 <b>part (12)</b> 5:11;33:4,12;41:1, 13;61:23;69:15,20; 85:16;86:15,15;87:9 <b>participants (1)</b> 22:6 <b>participate (8)</b> 8:1;17:19;70:3,6; 82:20;87:9,20,21 <b>participating (3)</b> 70:1;72:9;73:4 <b>participation (1)</b> 14:9 <b>particular (1)</b> 22:23 <b>particularly (1)</b> 55:10 <b>parties (3)</b> 6:18;70:1;87:8 <b>Parts (3)</b> 43:1,7;87:12 <b>party (8)</b> 22:7;87:10,12,14, 15,16,19,20 <b>pass (1)</b> 24:7 <b>PASSE (23)</b> 53:4,12,15,19;54:7, 14,18,21;55:4,8,15; 56:5,13;57:1,4,8,12, 22;58:8,14,23;59:4,10 <b>P-A-S-S-E (1)</b> 53:2 <b>passed (1)</b> 14:13 <b>past (5)</b> 29:3,21;63:13,14; 95:14</p>	<p><b>path (1)</b> 58:3 <b>patrol (2)</b> 40:19,21 <b>Paul (1)</b> 55:24 <b>pay (1)</b> 26:18 <b>peak (1)</b> 74:21 <b>people (17)</b> 4:14;9:18;18:14; 24:1,6,15,20;26:12; 36:20;37:15;38:3; 39:5;42:16;49:19; 84:3;87:19;95:13 <b>per (4)</b> 4:21;65:11;69:4; 78:13 <b>percent (3)</b> 47:7,12,13 <b>perfectly (1)</b> 38:11 <b>perhaps (5)</b> 19:11;71:19;85:25; 94:20,21 <b>period (5)</b> 18:11;22:13;23:10; 82:10;87:24 <b>periods (1)</b> 78:1 <b>permanent (2)</b> 93:15;94:17 <b>permit (25)</b> 4:20,22;5:10;7:1,2, 4;11:21;15:4;20:21, 25;21:21;25:19;41:7, 16;67:23;69:3,11,13; 82:2;83:16;85:16,24; 86:3,4;98:16 <b>permits (7)</b> 4:2;20:19,21,25; 85:20,22;86:2 <b>permitted (1)</b> 39:18 <b>permitting (17)</b> 14:21,24;15:18; 16:21,24;41:10; 77:10;78:11,13,19,22; 79:23;81:9;83:14; 85:11,18;98:4 <b>person (4)</b> 3:5;26:18;67:19; 73:4 <b>Petroleum (10)</b> 15:15;40:15;43:4,5, 8;44:14,18;46:23; 54:12;93:8 <b>phase (3)</b> 6:15;25:4,5 <b>phased (7)</b> 25:23;33:8;34:5,11; 76:9;96:14;97:3</p>	<p><b>phases (1)</b> 75:15 <b>phasing (1)</b> 97:16 <b>PHMSA (2)</b> 64:24;86:9 <b>phone (2)</b> 99:9,13 <b>photo (1)</b> 83:21 <b>photos (2)</b> 13:16;84:4 <b>physical (1)</b> 7:3 <b>pick (4)</b> 31:15;67:4,5;99:5 <b>picked (2)</b> 28:17;54:25 <b>pictures (4)</b> 13:6;47:1;76:14; 90:22 <b>piece (10)</b> 5:23;13:3;28:22; 32:12;51:3;57:9; 70:11;71:16;74:24; 80:17 <b>pieces (7)</b> 4:17;8:4,5;56:17; 70:5;74:13;76:15 <b>pipe (32)</b> 12:2,3,6;13:7,8,8; 29:7;54:15,16,22; 55:21;56:10,11,12,13, 14,17;63:25;75:21, 24;76:15,16,16;90:22, 25;91:1,8,8,12,14,15, 19 <b>pipeline (70)</b> 4:20,20;7:24;10:14; 11:5,21;12:1;14:15; 15:3,16;17:18;18:1; 20:2,12;21:1,13; 35:12;36:14,15,15,16, 17,17,21;37:4,6;38:9; 40:16;41:7,16;42:14, 17;44:1,4,14;45:6; 46:5,22;47:21;53:8; 54:10;55:3,5,24;56:1, 2;64:23,25;67:23; 74:11;77:19;79:7,9; 80:19;85:3;86:6,10, 13,19,24;90:20;93:9, 17,18;94:7;95:10,20; 96:19;97:8;98:19 <b>pipelines (31)</b> 4:2,17;14:12;18:13; 20:11;21:2,4,19; 37:22,24,24;40:15; 42:25;43:3;44:7; 45:20,21;47:1;61:12; 77:16,21,23,25;78:15, 23;85:11,19;86:7,8, 23;93:1</p>
--	--	--	---	--

<p><b>pipes (1)</b> 31:4</p> <p><b>pipng (1)</b> 74:25</p> <p><b>place (5)</b> 13:9;25:22;28:8; 55:19,21</p> <p><b>places (1)</b> 38:22</p> <p><b>plain (1)</b> 43:13</p> <p><b>plan (3)</b> 7:8;20:15;31:17</p> <p><b>planned (1)</b> 38:25</p> <p><b>planner (2)</b> 7:24,24</p> <p><b>planning (4)</b> 8:22;28:17,18;75:7</p> <p><b>plans (8)</b> 36:11,12;37:8,10, 16;38:7;64:1;65:14</p> <p><b>plant (5)</b> 34:14,20;35:2,4; 40:10</p> <p><b>plants (3)</b> 4:17;68:25;77:17</p> <p><b>plat (1)</b> 83:22</p> <p><b>please (15)</b> 7:13;8:14;23:4,13; 67:5;81:2,21;83:20, 24;88:23;89:1,9,15; 99:6,24</p> <p><b>plenty (1)</b> 12:25</p> <p><b>pockets (1)</b> 26:24</p> <p><b>point (17)</b> 5:22;12:19;18:10; 19:15,16;20:17;28:3; 50:3,25;57:15;61:3; 62:8,22;66:18;74:20; 75:23;87:15</p> <p><b>pointer (1)</b> 11:20</p> <p><b>points (4)</b> 8:13,13;70:6;71:22</p> <p><b>policy (1)</b> 68:20</p> <p><b>pollutant (1)</b> 20:24</p> <p><b>Pollution (2)</b> 20:23;86:3</p> <p><b>pond (3)</b> 62:11,12;63:16</p> <p><b>pools (1)</b> 40:24</p> <p><b>population (1)</b> 43:10</p> <p><b>portion (4)</b> 14:8;46:8;48:18; 68:7</p>	<p><b>Portions (1)</b> 15:14</p> <p><b>posing (1)</b> 18:4</p> <p><b>possible (4)</b> 17:23;81:16;89:22, 25</p> <p><b>Post (2)</b> 34:18;35:9</p> <p><b>postmarked (3)</b> 67:7;80:11;88:5</p> <p><b>posts (1)</b> 72:5</p> <p><b>potential (1)</b> 38:25</p> <p><b>pounds (6)</b> 4:21;25:4,6,11; 65:11;69:4</p> <p><b>power (4)</b> 4:17;59:6;68:25; 77:16</p> <p><b>practical (1)</b> 32:4</p> <p><b>prefer (2)</b> 93:3;95:13</p> <p><b>preference (1)</b> 92:11</p> <p><b>preferred (11)</b> 11:17;15:9,12; 41:14;48:12;51:2; 75:9,14;79:1;83:3; 98:8</p> <p><b>prefiled (2)</b> 16:17;82:12</p> <p><b>prehearing (2)</b> 22:3;87:6</p> <p><b>preparation (1)</b> 15:21</p> <p><b>prepare (3)</b> 16:10;17:11;79:19</p> <p><b>prepares (1)</b> 85:12</p> <p><b>preparing (2)</b> 19:2;61:11</p> <p><b>present (8)</b> 3:7;14:9;15:1; 16:24;47:8;69:25; 79:20;87:17</p> <p><b>presentation (6)</b> 3:15;12:22,24;68:4; 72:23;88:20</p> <p><b>presentations (1)</b> 4:4</p> <p><b>presenting (1)</b> 88:11</p> <p><b>presided (1)</b> 79:17</p> <p><b>pressure (9)</b> 24:24;25:4;26:5; 27:4;32:4;69:4;76:2, 4,7</p> <p><b>pressures (3)</b> 12:9;26:9;76:4</p>	<p><b>pretty (8)</b> 19:17;28:8;30:6; 32:9;68:21;70:25; 73:19;81:16</p> <p><b>prevent (1)</b> 92:5</p> <p><b>previous (1)</b> 77:18</p> <p><b>previously (1)</b> 15:17</p> <p><b>primarily (1)</b> 79:25</p> <p><b>primary (1)</b> 78:23</p> <p><b>prior (7)</b> 6:7;16:18;17:7; 70:20;79:12;82:13; 85:15</p> <p><b>private (3)</b> 45:16,19;92:16</p> <p><b>prize (1)</b> 53:6</p> <p><b>probably (20)</b> 3:16;6:15;8:5,10; 16:14;24:24;30:12; 32:7;47:9,13;49:9,22; 51:15;64:13,14;82:9; 84:17;89:21;93:9; 97:10</p> <p><b>problem (3)</b> 37:14;43:23;59:20</p> <p><b>problems (3)</b> 18:23;32:5;43:17</p> <p><b>procedures (3)</b> 16:1;78:23;83:14</p> <p><b>proceed (1)</b> 5:18</p> <p><b>proceeding (8)</b> 9:21;11:22;22:6; 71:24;73:13;81:19; 87:9,11</p> <p><b>process (44)</b> 3:10;4:1;5:12,14, 25;6:10,13;14:10,21, 22,24;15:6,7,18; 16:21,24;17:19,20; 18:3;35:16;36:2,5; 41:10;68:7,23;69:15, 20,24;70:3;73:9; 77:10;78:13,19,21,22, 25;79:5,23;80:1,3; 81:10;83:6,13;98:4</p> <p><b>processes (1)</b> 78:21</p> <p><b>produced (1)</b> 69:16</p> <p><b>produces (1)</b> 69:17</p> <p><b>product (3)</b> 32:24;47:21,21</p> <p><b>products (1)</b> 15:15</p> <p><b>program (1)</b></p>	<p>68:7</p> <p><b>prohibits (1)</b> 38:10</p> <p><b>project (72)</b> 3:11,13;4:3,7,19; 5:15;7:8,12,17;8:11, 12;9:2,21;10:9,25; 11:7,23;12:10;14:5; 18:12;19:14;20:2,4,5; 23:21;25:23;28:11; 30:9;33:21;34:5,9,15, 19;35:18;36:5,10; 46:13;54:1;55:24; 68:9;69:2,6,13;71:9; 72:8;73:2,5,6,7;74:1, 4,8,12,24;75:13,15; 76:8,9;77:9,19;80:1,2, 8,82:1,19;84:11;85:1, 2;87:5;89:2;95:19; 97:5</p> <p><b>projected (2)</b> 10:17;11:2</p> <p><b>projects (1)</b> 4:15</p> <p><b>project-specific (1)</b> 71:21</p> <p><b>pronounce (1)</b> 39:14</p> <p><b>proper (2)</b> 46:7;49:4</p> <p><b>properties (2)</b> 48:15;49:20</p> <p><b>property (32)</b> 9:1;19:22;28:22; 29:13;45:17,19;46:5; 49:2,7,7,11,22,25; 50:6,7,14,16,18;51:3; 54:11;60:19,20,21; 61:18;84:22;89:19; 90:24;94:10;97:8,9, 12;98:22</p> <p><b>proposal (2)</b> 19:9,24</p> <p><b>propose (5)</b> 18:14;49:3;55:8; 80:22;81:6</p> <p><b>proposed (18)</b> 17:18;19:24;34:14; 48:10,11;53:19,25; 54:6;59:15;60:18; 61:1;62:9;68:9;79:9; 82:1;84:22;89:18; 90:20</p> <p><b>proposing (2)</b> 81:10;99:6</p> <p><b>prorating (1)</b> 98:21</p> <p><b>protect (1)</b> 7:5</p> <p><b>protected (3)</b> 59:17;60:10;61:6</p> <p><b>protective (2)</b> 38:14,16</p>	<p><b>provide (6)</b> 4:2;6:3;18:19; 41:24;68:9;70:14</p> <p><b>provided (1)</b> 20:4</p> <p><b>provider (3)</b> 10:8;73:16,24</p> <p><b>provides (1)</b> 17:15</p> <p><b>providing (3)</b> 3:10;18:5;87:11</p> <p><b>psi (6)</b> 25:4,11;37:12; 65:15,17;66:3</p> <p><b>Public (48)</b> 3:5;5:3,20,24;6:7,8; 8:13,20;9:13;15:8,20; 16:18,22;17:11;20:8, 19,20;22:12;42:15; 46:5;63:20;67:19; 68:16;69:19,24;70:4, 7,11,19,21;72:9,11; 73:3;77:10;79:6,8,12; 80:6;82:8,13;83:6,7; 85:15,19,21,21;86:1,7</p> <p><b>PUC (6)</b> 4:13;5:8,9;68:17; 80:1;82:24</p> <p><b>pull (11)</b> 8:15;9:1;10:13; 11:4,25;12:8;55:21; 56:11;62:3;72:16; 76:2</p> <p><b>pumping (2)</b> 62:15;63:7</p> <p><b>puncture (1)</b> 64:2</p> <p><b>purchases (1)</b> 36:23</p> <p><b>purple (6)</b> 11:18,20;15:13; 28:4;66:11;75:13</p> <p><b>purpose (1)</b> 79:24</p> <p><b>purposes (1)</b> 39:23</p> <p><b>push (1)</b> 62:2</p> <p><b>put (16)</b> 22:16;26:4;28:8; 30:15;36:15;46:5; 52:13;60:5,24;64:1; 76:17;84:16;88:4; 93:17;99:16,17</p> <p><b>puts (1)</b> 14:23</p> <p><b>putting (6)</b> 7:10;31:12;37:19; 38:8;63:4;82:8</p> <p><b>PYFFEROEN (4)</b> 96:3,6,7,16</p> <p><b>P-Y-F-F-E-R-O-E-N (1)</b> 96:7</p>
---	--	--	---	---

<p style="text-align: center;"><b>Q</b></p> <p><b>Quality (3)</b> 14:17;78:10,17</p> <p><b>quick (3)</b> 4:11;13:2;95:5</p> <p><b>quickly (5)</b> 3:14;51:1;75:5,5,12</p> <p><b>quite (5)</b> 9:15;30:10;70:25; 74:7;76:25</p>	<p>40:13;95:13</p> <p><b>rebuilt (1)</b> 12:11</p> <p><b>receive (6)</b> 7:12,15;8:9;41:5; 80:12;88:8</p> <p><b>received (2)</b> 16:12;88:6</p> <p><b>receiving (1)</b> 6:17</p> <p><b>recently (1)</b> 33:9</p> <p><b>recommend (2)</b> 50:22;67:6</p> <p><b>recommendation (2)</b> 17:12;19:3</p> <p><b>recommendations (3)</b> 6:4;71:4;88:12</p> <p><b>record (12)</b> 17:10;20:17;24:2; 34:24;36:7;37:19; 41:13;49:5;50:4;51:6; 81:18;88:18</p> <p><b>Red (1)</b> 33:4</p> <p><b>redesigned (1)</b> 12:13</p> <p><b>redoing (1)</b> 12:3</p> <p><b>reducing (1)</b> 65:7</p> <p><b>references (1)</b> 5:5</p> <p><b>regard (2)</b> 14:8;31:1</p> <p><b>regarding (6)</b> 38:7;44:14;80:7; 84:11;88:7;91:7</p> <p><b>regardless (1)</b> 49:21</p> <p><b>Regulate (4)</b> 25:8,9;46:2;68:18</p> <p><b>regulated (4)</b> 21:8,10,11;86:8</p> <p><b>regulates (1)</b> 20:23</p> <p><b>regulating (1)</b> 77:20</p> <p><b>regulation (1)</b> 20:10</p> <p><b>regulations (6)</b> 7:6;21:20;29:9; 42:25;44:7;86:8</p> <p><b>regulator (8)</b> 12:4,14;13:17;25:7; 75:25;76:6,24;77:1</p> <p><b>regulators (1)</b> 32:6</p> <p><b>regulatory (5)</b> 9:12;21:12;82:1; 85:11;96:25</p> <p><b>relabeled (1)</b> 14:25</p>	<p><b>relate (1)</b> 77:25</p> <p><b>related (2)</b> 22:22;46:1</p> <p><b>relates (1)</b> 36:10</p> <p><b>relatively (2)</b> 20:5;85:1</p> <p><b>release (1)</b> 70:18</p> <p><b>relevant (1)</b> 47:16</p> <p><b>rely (1)</b> 70:7</p> <p><b>remediated (1)</b> 13:11</p> <p><b>remediation (1)</b> 76:19</p> <p><b>remember (2)</b> 15:11;20:21</p> <p><b>remind (3)</b> 67:3;88:22;99:4</p> <p><b>remunerated (1)</b> 98:20</p> <p><b>Repair (2)</b> 31:23;55:5</p> <p><b>reparation (1)</b> 41:5</p> <p><b>report (5)</b> 6:23;17:11;69:23; 71:3;79:20</p> <p><b>REPORTER (8)</b> 12:21;23:5,6;24:4, 12;47:25;88:24;96:5</p> <p><b>represent (2)</b> 9:12;78:18</p> <p><b>representative (2)</b> 13:16;68:8</p> <p><b>representatives (2)</b> 9:16;94:21</p> <p><b>requested (2)</b> 18:18;40:5</p> <p><b>requests (1)</b> 68:23</p> <p><b>require (6)</b> 29:9;35:18;39:24; 40:1;78:25;79:7</p> <p><b>required (4)</b> 5:10;16:2;35:15; 64:11</p> <p><b>requirement (2)</b> 64:18;91:17</p> <p><b>requirements (1)</b> 87:22</p> <p><b>requires (5)</b> 4:22;29:5;69:2,15; 91:10</p> <p><b>requiring (1)</b> 35:13</p> <p><b>research (1)</b> 72:20</p> <p><b>reside (1)</b> 77:12</p>	<p><b>residence (1)</b> 48:25</p> <p><b>resource (2)</b> 19:10;84:12</p> <p><b>Resources (7)</b> 4:5;5:1;9:12;19:12; 20:19;67:22;85:18</p> <p><b>respectful (2)</b> 23:16;89:1</p> <p><b>respond (3)</b> 16:16;25:15;82:11</p> <p><b>responders (1)</b> 64:10</p> <p><b>responding (1)</b> 82:7</p> <p><b>response (1)</b> 16:11</p> <p><b>responsibilities (1)</b> 99:19</p> <p><b>responsible (2)</b> 21:1;85:18</p> <p><b>restoration (2)</b> 97:14,16</p> <p><b>restrictions (2)</b> 40:9,23</p> <p><b>resurrected (1)</b> 34:17</p> <p><b>return (1)</b> 44:10</p> <p><b>reverts (1)</b> 40:4</p> <p><b>review (29)</b> 4:1,7,9;5:12;14:2, 20,21;17:8;18:16; 33:8;34:11;36:2; 38:19;68:7,11;69:19; 70:19;77:14,15; 78:14,18,20,23,24; 80:3;82:3,8,9;83:13</p> <p><b>reviewing (1)</b> 6:17</p> <p><b>RFP (1)</b> 28:15</p> <p><b>rich (1)</b> 47:13</p> <p><b>RICK (10)</b> 56:20,24;57:3,7,10, 14;58:20;92:10,21; 95:1</p> <p><b>right (57)</b> 10:20;12:18,19; 20:2;21:15;25:1,17; 26:6,16,19;27:12,17, 19,22;28:2;35:20,22, 23;36:18;38:17; 39:17;41:17;48:14, 16,20,21,24;49:1,10, 14;51:20;53:13;54:8, 17;57:25;58:9,10; 60:12,25;62:13,24; 63:2,3,5,7,12,16; 66:12;71:16;74:9,18; 75:22,23;87:16;</p>	<p>89:18;93:17;98:17</p> <p><b>right-of-way (23)</b> 38:10,11;39:24; 40:4,6,13;41:9;45:16; 57:24;75:10;93:2,4,6, 8,9,13,14,15,20; 94:17,18,18;95:12</p> <p><b>rights-of-way (4)</b> 11:15;46:9,20; 93:11</p> <p><b>rise (1)</b> 47:16</p> <p><b>risk (3)</b> 41:11,15;98:9</p> <p><b>river (9)</b> 54:9,10,11;55:10, 16,23;56:1,2;58:12</p> <p><b>riverbed (5)</b> 56:3,5,6,23;57:2</p> <p><b>road (35)</b> 19:24;31:10;34:6; 43:18;44:25;45:3,16; 46:8,20;48:22,24,25; 57:23,24,25;58:3,4,5, 7,15;59:1;63:3,4; 64:22,23;84:24; 90:24;91:24;92:3,16, 17,22,24;93:2,4</p> <p><b>roads (2)</b> 91:4;92:6</p> <p><b>ROBERT (4)</b> 96:3,6,7,16</p> <p><b>Rochester (31)</b> 9:25;10:9,11,15,18; 11:6,9,13;13:20; 28:15,19;34:18; 36:12;37:18;38:6; 46:4,7;51:9,11;64:6; 67:24;73:17,25;74:2, 6,19;75:1,7,8;77:2,19</p> <p><b>rock (3)</b> 29:11;31:13,14</p> <p><b>rocks (1)</b> 57:20</p> <p><b>ROETZLER (6)</b> 39:13,14,20;40:8, 22;41:3</p> <p><b>R-O-E-T-Z-L-E-R (1)</b> 39:12</p> <p><b>role (1)</b> 5:7</p> <p><b>roughly (1)</b> 37:5</p> <p><b>route (82)</b> 4:1,20,22;5:10; 6:25;7:2,3;11:17; 15:7,9,10,12,14;17:2, 4,19,21,21;18:2,6,6; 19:4,8,12,13,20,22; 20:7;24:15,20;26:2; 27:16;41:14;42:11; 48:10,11,12;50:14,16; 51:2;59:5,15,24;</p>
<p style="text-align: center;"><b>R</b></p> <p><b>radius (3)</b> 37:11,13;38:25</p> <p><b>raise (3)</b> 14:4;24:7;89:9</p> <p><b>raising (1)</b> 90:8</p> <p><b>rapidly (1)</b> 74:7</p> <p><b>rare (1)</b> 18:21</p> <p><b>ratemaking (1)</b> 4:14</p> <p><b>ratepayers (1)</b> 6:21</p> <p><b>rates (1)</b> 4:15</p> <p><b>rather (5)</b> 52:11;78:3,5;83:14; 89:24</p> <p><b>rationale (1)</b> 92:2</p> <p><b>Raymond (2)</b> 52:24,25</p> <p><b>reach (3)</b> 42:1;98:10,15</p> <p><b>read (5)</b> 50:23;53:6;62:25; 78:2;99:22</p> <p><b>ready (1)</b> 58:24</p> <p><b>real (3)</b> 13:2;75:12;89:20</p> <p><b>realigning (1)</b> 19:23</p> <p><b>realignment (1)</b> 84:23</p> <p><b>realize (2)</b> 35:25;36:4</p> <p><b>realized (3)</b> 11:11;75:4,6</p> <p><b>really (4)</b> 61:23,24;69:11; 74:12</p> <p><b>reason (2)</b> 35:16;98:8</p> <p><b>reasonable (1)</b> 30:5</p> <p><b>reasons (2)</b></p>				

<p>60:14,18,18,23;61:2, 3,7;62:9;63:10;67:6, 23;68:13;69:10,13; 70:13;71:4;75:9,14, 14;79:1;80:16,19,24; 81:6,7,9,10;82:21,24; 83:8,20;84:21;88:7, 12;89:18;92:2,10; 94:13;98:8</p> <p><b>routes (24)</b> 14:10;15:19,23,25; 17:2;18:4,14,21;19:3; 20:4;67:6;70:16;79:3; 82:21;83:2,4,4,5,20; 84:20;85:5;88:16; 92:12;99:6</p> <p><b>routing (7)</b> 14:12,15;15:3; 28:25;41:7,16;75:11</p> <p><b>rule (1)</b> 69:5</p> <p><b>rules (11)</b> 14:15,18,25;15:1; 18:15;78:8,9,15,25; 79:7;98:2</p> <p><b>run (9)</b> 3:13;27:12;33:19; 44:25;45:3,15,16; 61:16;84:18</p> <p><b>running (5)</b> 6:15;33:10,11; 45:14;51:23</p> <p><b>rupture (1)</b> 47:18</p> <p><b>ruptures (1)</b> 47:6</p> <p><b>rural (1)</b> 92:25</p> <p><b>RYAN (8)</b> 89:11,13,13,16,17; 90:2,12,15</p>	<p>46:25;74:8;93:20; 99:10</p> <p><b>Sandpiper (1)</b> 35:12</p> <p><b>satisfactory (1)</b> 31:25</p> <p><b>save (2)</b> 12:24;30:14</p> <p><b>saw (1)</b> 90:21</p> <p><b>saying (5)</b> 27:8;36:4;38:15,16; 84:15</p> <p><b>schedule (5)</b> 22:1;82:15;87:5; 88:15;96:14</p> <p><b>schematic (2)</b> 16:20;79:22</p> <p><b>scheme (1)</b> 62:4</p> <p><b>Schmitz (1)</b> 52:25</p> <p><b>S-C-H-M-I-T-Z (1)</b> 52:25</p> <p><b>school (1)</b> 43:12</p> <p><b>scope (4)</b> 20:6;23:17;34:10; 89:2</p> <p><b>scoping (7)</b> 16:22;17:14;19:5; 23:20;33:6;81:23; 82:16</p> <p><b>Scotch (2)</b> 88:3,4</p> <p><b>scuttled (1)</b> 34:16</p> <p><b>se (1)</b> 78:13</p> <p><b>second (12)</b> 5:21;6:15;7:4; 12:16;14:6;41:3; 59:23;61:9;70:11,20; 80:17;91:4</p> <p><b>section (5)</b> 51:7,9,11;61:15; 87:13</p> <p><b>sections (1)</b> 69:6</p> <p><b>seeing (6)</b> 5:11;25:24;54:2; 61:24;62:1,19</p> <p><b>seek (1)</b> 78:5</p> <p><b>seeking (2)</b> 29:14;78:3</p> <p><b>seem (1)</b> 29:3</p> <p><b>seems (4)</b> 28:7;30:4;31:5,9</p> <p><b>segment (5)</b> 18:7;19:13,22; 75:16;81:7</p>	<p><b>segments (6)</b> 17:3,4;19:4;67:6; 82:22;83:20</p> <p><b>Seifert (8)</b> 24:9,11,14,19;25:1, 8;26:3,11</p> <p><b>S-E-I-F-E-R-T (1)</b> 24:10</p> <p><b>SEIFFERT (3)</b> 27:6,11,18</p> <p><b>selecting (1)</b> 92:2</p> <p><b>selection (2)</b> 15:7;71:5</p> <p><b>selling (1)</b> 61:18</p> <p><b>send (5)</b> 18:18;50:21;71:15; 84:7,8</p> <p><b>sense (1)</b> 49:6</p> <p><b>separate (6)</b> 14:22;22:11;31:19; 49:25;69:21;78:21</p> <p><b>separating (1)</b> 50:7</p> <p><b>separation (2)</b> 29:25;37:21</p> <p><b>sequence (1)</b> 97:12</p> <p><b>sequential (1)</b> 13:4</p> <p><b>serious (2)</b> 37:14;70:25</p> <p><b>serve (10)</b> 9:24;10:4,7,15,16; 26:25;73:17;74:2,4,5</p> <p><b>service (2)</b> 26:9;46:9</p> <p><b>services (1)</b> 26:2</p> <p><b>session (1)</b> 79:10</p> <p><b>set (7)</b> 19:16;43:6;55:19; 56:9;60:14,15;77:23</p> <p><b>setback (3)</b> 38:9;95:10,18</p> <p><b>settled (2)</b> 22:5;36:14</p> <p><b>seven (2)</b> 85:22,24</p> <p><b>several (10)</b> 5:11;21:4;69:14; 70:4;71:10,17;87:1; 96:15;97:10,24</p> <p><b>sewer (2)</b> 62:14;63:7</p> <p><b>shade (1)</b> 28:3</p> <p><b>shaded (1)</b> 60:13</p> <p><b>shallow (3)</b></p>	<p>43:19,21;44:2</p> <p><b>shape (1)</b> 45:13</p> <p><b>share (1)</b> 79:25</p> <p><b>sheds (1)</b> 40:24</p> <p><b>sheet (2)</b> 22:11;80:18</p> <p><b>short (6)</b> 20:5;35:18;48:3,22; 52:20;85:1</p> <p><b>shortly (1)</b> 61:17</p> <p><b>shot (1)</b> 49:13</p> <p><b>show (4)</b> 11:10;25:18;54:15; 75:12</p> <p><b>showing (3)</b> 13:6;15:12;52:9</p> <p><b>shown (1)</b> 66:9</p> <p><b>shows (2)</b> 10:20;81:3</p> <p><b>side (20)</b> 9:18;18:5;37:2,3; 39:16,22;40:7;55:20, 20;58:5,7,15,22,25; 59:25;64:12,13;73:6; 80:20;91:10</p> <p><b>sides (4)</b> 11:9;56:17;57:6; 75:1</p> <p><b>sign (4)</b> 7:13;8:14;29:8,16</p> <p><b>signed (1)</b> 41:11</p> <p><b>significant (1)</b> 39:1</p> <p><b>significantly (1)</b> 65:4</p> <p><b>similar (2)</b> 6:10;69:21</p> <p><b>single (2)</b> 64:22;80:18</p> <p><b>sink (1)</b> 51:5</p> <p><b>sister (4)</b> 4:6;5:1;53:4;68:12</p> <p><b>site (2)</b> 19:25;84:25</p> <p><b>situation (1)</b> 36:25</p> <p><b>six (4)</b> 25:11;42:16;91:9,9</p> <p><b>size (7)</b> 53:8,16,20;61:12; 63:25;64:7;77:17</p> <p><b>Sizing (1)</b> 37:22</p> <p><b>skim (1)</b> 31:6</p>	<p><b>skimpy (1)</b> 31:12</p> <p><b>skip (2)</b> 3:16;44:17</p> <p><b>slide (3)</b> 5:4;10:20;11:9</p> <p><b>slides (2)</b> 4:12;15:11</p> <p><b>slightly (1)</b> 6:9</p> <p><b>slowly (1)</b> 23:8</p> <p><b>small (3)</b> 4:13;68:21;89:8</p> <p><b>smaller (2)</b> 56:10;76:25</p> <p><b>Smetana (2)</b> 8:21;73:3</p> <p><b>socioeconomic (2)</b> 36:9;38:20</p> <p><b>soil (4)</b> 30:24;31:20;57:17, 17</p> <p><b>sole (1)</b> 73:16</p> <p><b>somebody (3)</b> 55:23;72:5;96:13</p> <p><b>someone (3)</b> 26:5;33:24;36:23</p> <p><b>someplace (2)</b> 84:24;98:11</p> <p><b>sometime (5)</b> 16:5,14;82:5,15; 88:14</p> <p><b>sometimes (4)</b> 21:22;52:8;81:16; 95:14</p> <p><b>somewhat (1)</b> 78:1</p> <p><b>somewhere (1)</b> 33:21</p> <p><b>sorry (2)</b> 30:8;92:8</p> <p><b>sort (2)</b> 6:10;41:5</p> <p><b>sorts (1)</b> 75:10</p> <p><b>source (2)</b> 47:8,17</p> <p><b>South (18)</b> 10:3;11:9;49:10; 50:12,18;51:24; 58:10;59:19,25;60:3, 19,20,21;61:18; 62:10;66:5,13;75:1</p> <p><b>southeast (2)</b> 61:15;90:13</p> <p><b>southern (1)</b> 36:24</p> <p><b>southwest (5)</b> 12:12;36:13;89:17; 90:19;96:8</p> <p><b>space (2)</b></p>
<b>S</b>				
<p><b>safe (3)</b> 27:4;37:20;38:23</p> <p><b>safer (1)</b> 64:14</p> <p><b>Safety (22)</b> 21:1,13,19,24; 30:25;36:9;38:19; 39:3;40:13;42:11,14, 15,17;45:6;64:17; 86:6,7,8,11,14,19; 95:13</p> <p><b>safety-related (1)</b> 21:21</p> <p><b>Safety's (1)</b> 64:25</p> <p><b>safety-wise (1)</b> 37:11</p> <p><b>same (7)</b> 6:15;44:25;45:3;</p>				

<p>39:25;40:1  <b>spacing (1)</b>                      52:2  <b>span (1)</b>                      97:9  <b>speak (9)</b>                      5:16;7:20;9:7;23:7,                      14:24;6:48;5:71:15;                      94:5  <b>speaker (15)</b>                      23:4,25;24:9;27:20;                      33:1;39:11;42:6;                      47:23;52:24;53:1;                      59:11;63:19;88:22;                      89:5,7  <b>speakers (2)</b>                      77:18;89:1  <b>speaking (1)</b>                      24:3  <b>speaks (1)</b>                      77:5  <b>specific (2)</b>                      19:8;90:11  <b>specifically (1)</b>                      21:11  <b>specifications (1)</b>                      42:11  <b>specifics (1)</b>                      47:15  <b>speculating (1)</b>                      98:6  <b>speculation (1)</b>                      27:17  <b>spell (2)</b>                      23:5;88:23  <b>spend (1)</b>                      68:3  <b>spilling (1)</b>                      64:5  <b>split (2)</b>                      48:14,15  <b>splitting (2)</b>                      49:7,20  <b>spot (1)</b>                      58:24  <b>square (3)</b>                      4:21;65:11;69:4  <b>St (2)</b>                      55:24;63:3  <b>stabilize (1)</b>                      57:20  <b>staff (9)</b>                      3:5;8:23;14:2;16:9;                      18:22;67:18;68:10;                      73:2;77:14  <b>staffers (1)</b>                      68:22  <b>stages (2)</b>                      63:12;79:24  <b>stamp (2)</b>                      22:16;88:4  <b>Stan (7)</b>                      48:5;51:18,23;52:3,</p>	<p>6,13,18  <b>standard (3)</b>                      29:11;43:13;44:23  <b>standards (4)</b>                      21:19;42:24,24;                      86:17  <b>Standing (2)</b>                      48:7;58:16  <b>stands (3)</b>                      10:13;86:9,10  <b>start (8)</b>                      3:10;16:5,18;61:17;                      79:13;82:13;85:15;                      97:3  <b>started (3)</b>                      52:22;75:8;77:20  <b>starting (1)</b>                      19:15  <b>starts (1)</b>                      75:16  <b>state (23)</b>                      20:9;21:1,9,10,13,                      19;23:4;42:10,17;                      43:23;44:19;45:2;                      64:20;65:1,5;68:17,                      25;77:20;85:10;                      86:18,25;89:10;93:5  <b>statement (1)</b>                      35:13  <b>statements (1)</b>                      36:22  <b>states (4)</b>                      42:16,19,21;87:1  <b>station (27)</b>                      8:25;11:24;12:4,7,                      14;26:3,12,15;53:14,                      25;55:25;59:20;60:3,                      16,22;61:4,21,25;                      62:9,15;63:7;65:21,                      24;75:25;76:6,22;                      84:2  <b>stations (7)</b>                      13:14,16,17,19;                      76:1,24;77:1  <b>statistics (1)</b>                      64:24  <b>Statute (6)</b>                      14:13;38:12;77:24,                      25;78:3;95:11  <b>statutes (3)</b>                      29:4;43:6;69:5  <b>stay (1)</b>                      71:18  <b>steady (1)</b>                      10:24  <b>steel (1)</b>                      90:22  <b>step (4)</b>                      18:3,3;80:21,21  <b>still (4)</b>                      43:6;55:17;66:20;                      98:18  <b>stock (1)</b></p>	<p>80:8  <b>stone (1)</b>                      54:23  <b>stop (3)</b>                      59:6;61:3;64:3  <b>storage (1)</b>                      59:21  <b>story (1)</b>                      25:14  <b>straight (2)</b>                      50:17;58:14  <b>stream (1)</b>                      85:23  <b>Street (17)</b>                      48:20,21;49:13,13;                      59:16,19,25;60:4,6,                      10;61:7;63:1,2,2,14;                      90:18;96:8  <b>strictly (2)</b>                      21:20;45:25  <b>structures (1)</b>                      38:10  <b>studied (1)</b>                      75:3  <b>studies (1)</b>                      37:19  <b>study (1)</b>                      11:12  <b>stuff (3)</b>                      8:19;22:24;30:4  <b>subject (1)</b>                      46:12  <b>subjects (1)</b>                      23:22  <b>submit (23)</b>                      7:21;14:10;15:7;                      16:11,15;17:2,12,21;                      22:10;78:25;80:9,14;                      81:19,21;82:12;                      83:11,19;87:23,25;                      88:13,17;89:23;99:24  <b>submits (1)</b>                      6:20  <b>submittal (1)</b>                      72:3  <b>submitted (6)</b>                      16:17;17:7;72:2;                      83:2;88:10;92:12  <b>submitting (4)</b>                      39:8;80:24;90:4;                      99:6  <b>subscribe (1)</b>                      8:9  <b>Subsequent (1)</b>                      14:14  <b>subsoil (1)</b>                      31:20  <b>substation (6)</b>                      28:3;32:10,20;34:7;                      44:1;62:14  <b>suddenly (1)</b>                      34:15  <b>suggest (8)</b></p>	<p>17:22;18:1;19:7,14;                      32:15;80:19;83:7;                      94:20  <b>suggested (1)</b>                      19:21  <b>suggesting (1)</b>                      18:6  <b>suggestions (3)</b>                      18:4;80:23;84:10  <b>summarized (1)</b>                      6:4  <b>summertime (2)</b>                      49:23;97:22  <b>Superior (1)</b>                      85:5  <b>supply-side (1)</b>                      73:20  <b>supporting (1)</b>                      69:25  <b>suppose (1)</b>                      32:4  <b>Supreme (1)</b>                      41:20  <b>sure (19)</b>                      31:15,25;32:1;33:7;                      34:9,25;35:1,11;36:6;                      38:7;44:25;50:5,20;                      52:15;71:9;83:22;                      95:6;96:3,6  <b>surrounding (2)</b>                      9:25;74:2  <b>swath (1)</b>                      38:23  <b>sweet (1)</b>                      32:2  <b>swimming (1)</b>                      51:4  <b>swing (1)</b>                      60:23  <b>system (19)</b>                      10:12,22;11:3,6,8,                      13;12:10;13:20;                      20:24;25:3;26:25;                      62:1;64:21,21;65:5,                      10,19;66:1;76:5</p>	<p>24:18;32:3  <b>tape (4)</b>                      22:16;88:3,3,4  <b>tasks (1)</b>                      99:18  <b>TBS (11)</b>                      11:24;12:3,5,11,12,                      16;75:17,21;76:1,10,                      10  <b>techniques (1)</b>                      16:1  <b>telecom (1)</b>                      68:19  <b>telephone (2)</b>                      22:18;68:19  <b>tells (2)</b>                      22:12;80:9  <b>template (1)</b>                      81:23  <b>temporary (4)</b>                      39:24;40:1,3;94:18  <b>tend (1)</b>                      73:5  <b>term (1)</b>                      46:11  <b>terms (8)</b>                      45:20;46:2,6;65:7;                      81:10;86:7;91:1;                      98:20  <b>terrain (1)</b>                      30:6  <b>test (1)</b>                      20:22  <b>testimony (6)</b>                      6:17,20;16:17;                      17:10;69:25;82:12  <b>testing (3)</b>                      20:22;57:17;86:4  <b>Texas (1)</b>                      47:2  <b>thankfully (1)</b>                      38:1  <b>Thanks (1)</b>                      25:16  <b>therms (2)</b>                      10:21;74:19  <b>thicker (1)</b>                      80:8  <b>thinking (1)</b>                      98:23  <b>third (1)</b>                      81:22  <b>third-party (1)</b>                      64:19  <b>Thomas (7)</b>                      39:11,13,14,20;                      40:8,22;41:3  <b>thought (2)</b>                      33:15;52:1  <b>three (8)</b>                      15:3;17:24,25;                      25:11;42:21;70:6;                      80:5;97:13</p>
<b>T</b>				
			<p><b>table (5)</b>                      14:3;23:18;67:4;                      77:8;80:6  <b>Talk (7)</b>                      16:25;21:3;28:23;                      30:9;49:19;52:8;                      94:20  <b>talked (2)</b>                      13:15;97:3  <b>talking (7)</b>                      25:11,12;28:21;                      37:12;43:3,3;62:22  <b>talks (3)</b>                      18:2,5;81:25  <b>tap (2)</b></p>	

<p><b>throughout (3)</b> 10:4;36:24;68:25</p> <p><b>tile (9)</b> 29:23,24;31:21; 46:24;47:6;51:19,23; 52:2,9</p> <p><b>tiler (1)</b> 47:5</p> <p><b>timeline (4)</b> 71:9;96:24,25;97:2</p> <p><b>timely (1)</b> 81:18</p> <p><b>times (3)</b> 15:1;40:18;72:10</p> <p><b>timing (1)</b> 97:16</p> <p><b>tired (2)</b> 23:11;48:4</p> <p><b>Title (1)</b> 42:25</p> <p><b>today (13)</b> 3:8;4:19;5:19;6:20; 8:21;9:14;33:9,18; 54:6;59:1;61:24;62:2; 73:3</p> <p><b>together (1)</b> 38:8</p> <p><b>told (1)</b> 26:17</p> <p><b>tomorrow (2)</b> 59:3;99:12</p> <p><b>tonight (6)</b> 67:20;68:8;81:20; 84:7;87:23;98:2</p> <p><b>took (2)</b> 11:13;49:13</p> <p><b>top (11)</b> 26:16;29:7,7;30:22, 24;31:6;32:12;44:24; 72:18;91:15,16</p> <p><b>topsoil (1)</b> 31:19</p> <p><b>total (3)</b> 10:5;39:21;73:21</p> <p><b>touch (2)</b> 45:2;71:18</p> <p><b>towards (1)</b> 66:10</p> <p><b>town (10)</b> 11:24;12:7;13:14; 30:5;53:14,25;61:21; 65:23;76:1,22</p> <p><b>townhomes (2)</b> 61:13;63:12</p> <p><b>township (6)</b> 46:16;51:8,10,12; 92:24;93:2</p> <p><b>track (3)</b> 69:22;72:4;78:14</p> <p><b>tracks (2)</b> 14:23;78:12</p> <p><b>Tracy (2)</b> 8:21;73:3</p>	<p><b>trade-offs (1)</b> 30:18</p> <p><b>training (2)</b> 64:9,11</p> <p><b>transcribed (1)</b> 12:25</p> <p><b>transfer (1)</b> 59:20</p> <p><b>transfers (1)</b> 4:21</p> <p><b>transmission (16)</b> 4:18;7:23;10:22; 12:1,8,8;19:19;36:16; 37:21;64:14,16; 68:24;69:1;76:3; 77:16;84:20</p> <p><b>tree (1)</b> 49:11</p> <p><b>trees (7)</b> 40:10,12,22;89:20, 20,22,24</p> <p><b>tremendous (1)</b> 65:6</p> <p><b>trench (8)</b> 13:7,9;30:19,20,21; 76:15,16,17</p> <p><b>trial (1)</b> 70:24</p> <p><b>tried (1)</b> 78:4</p> <p><b>trucks (1)</b> 64:7</p> <p><b>trunks (1)</b> 51:4</p> <p><b>try (10)</b> 7:22,23;17:22;23:7; 24:1;57:21;81:4;88:5; 89:1,1</p> <p><b>trying (5)</b> 20:20;64:3;78:5; 84:14,15</p> <p><b>turn (5)</b> 9:7;24:3;73:9; 81:12,20</p> <p><b>turned (2)</b> 44:10;62:18</p> <p><b>turns (2)</b> 5:22;58:8</p> <p><b>two (28)</b> 7:2;10:10;14:22; 37:19;39:15;48:12, 16;49:8;59:21,22; 61:14;63:8,12;66:20; 69:11;74:12;78:12, 21,23;79:6;83:14; 84:3,6;85:20,22;94:3, 6;96:12</p> <p><b>two-mile (1)</b> 38:25</p> <p><b>two-sided (1)</b> 18:2</p> <p><b>two-thirds (1)</b> 62:5</p>	<p><b>two-week (1)</b> 82:9</p> <p><b>types (3)</b> 4:16;57:19;85:20</p> <p><b>typical (1)</b> 76:22</p> <p><b>typically (17)</b> 18:11,20;21:24; 24:1;29:22,23;31:16; 41:18,25;46:7,19; 64:13,18;71:5,24; 78:11;97:7</p> <p style="text-align: center;"><b>U</b></p> <p><b>ultimately (1)</b> 69:19</p> <p><b>Um-hum (1)</b> 53:12</p> <p><b>uncommon (1)</b> 91:11</p> <p><b>under (11)</b> 18:14;25:21;35:16; 36:9;38:12;40:17; 43:5;46:4,5;65:9; 91:16</p> <p><b>underneath (1)</b> 56:16</p> <p><b>undertaking (1)</b> 78:24</p> <p><b>UNIDENTIFIED (3)</b> 3:23;12:16,20</p> <p><b>unit (2)</b> 8:23;68:23</p> <p><b>unless (4)</b> 29:10,13;32:5; 91:20</p> <p><b>Unlike (1)</b> 99:16</p> <p><b>unlikely (1)</b> 27:14</p> <p><b>unrealistic (1)</b> 26:18</p> <p><b>up (60)</b> 7:13;8:14,15,18; 9:1;10:1;22:2;23:24; 24:13,15,20,22,24; 26:8,12,13,15;27:13; 31:15,25;34:1,17; 37:13,25;38:1;43:1; 45:15;49:12;54:23, 24;55:19;56:9,16; 58:19;59:22;60:5,5, 16,23;61:14;62:2,3; 63:5;65:14,21;66:10; 67:4,5;71:17;72:16, 19;73:18;75:16;81:3; 89:14;91:9;94:5;98:9; 99:3,5</p> <p><b>upcoming (1)</b> 7:17</p> <p><b>update (1)</b> 79:13</p>	<p><b>updated (2)</b> 8:8;95:23</p> <p><b>updates (2)</b> 7:12;62:18</p> <p><b>upgrade (4)</b> 11:14;74:13,22; 93:4</p> <p><b>upgraded (2)</b> 66:16;75:17</p> <p><b>upgrades (3)</b> 11:7,12;74:25</p> <p><b>upon (2)</b> 41:2;81:17</p> <p><b>usage (1)</b> 37:9</p> <p><b>use (15)</b> 19:10;37:10;39:24; 40:9;41:4,12,17; 56:10;57:19;70:14; 83:20;84:12,14; 86:13;98:7</p> <p><b>used (3)</b> 44:20;50:13;95:22</p> <p><b>USGS (1)</b> 83:22</p> <p><b>using (1)</b> 93:13</p> <p><b>usually (1)</b> 68:5</p> <p><b>Utilities (10)</b> 3:5;5:3;9:13;15:8; 20:8;67:19;68:17,19, 20;77:11</p> <p><b>utility (1)</b> 31:1</p> <p style="text-align: center;"><b>V</b></p> <p><b>value (1)</b> 98:21</p> <p><b>vapors (1)</b> 47:22</p> <p><b>VASDEV (7)</b> 90:17,17;91:22; 92:18;93:16,21;97:20</p> <p><b>V-A-S-D-E-V (1)</b> 90:18</p> <p><b>versus (2)</b> 27:3;78:21</p> <p><b>vigilant (1)</b> 40:12</p> <p><b>voltage (1)</b> 77:15</p> <p style="text-align: center;"><b>W</b></p> <p><b>waive (1)</b> 29:17</p> <p><b>waived (1)</b> 91:20</p> <p><b>waiver (2)</b> 29:8,16</p> <p><b>walks (1)</b> 80:21</p>	<p><b>waste (1)</b> 50:2</p> <p><b>water (5)</b> 20:21,22;85:23; 86:2,4</p> <p><b>waters (2)</b> 20:20;85:21</p> <p><b>way (15)</b> 10:1,2;16:24;30:3, 5;32:22;49:4;53:21; 57:23;59:15;62:1; 73:18;81:9;82:6; 99:21</p> <p><b>ways (5)</b> 7:25;15:3;71:18; 80:13;97:24</p> <p><b>web (1)</b> 22:21</p> <p><b>website (13)</b> 7:25;8:2,15;22:23; 71:14,20,20,21;72:6, 15;99:16,17,19</p> <p><b>Wednesday (1)</b> 87:7</p> <p><b>week (3)</b> 22:4;34:17;99:12</p> <p><b>weeks (6)</b> 16:15;18:12;40:20; 71:10;97:10,13</p> <p><b>Welcome (2)</b> 33:4;72:24</p> <p><b>weld (3)</b> 13:8;56:17;76:16</p> <p><b>welded (1)</b> 76:17</p> <p><b>west (12)</b> 11:8;36:12;48:6; 51:14,15,16;58:22,25; 61:12,25;66:13;75:1</p> <p><b>western (1)</b> 73:19</p> <p><b>wetland (2)</b> 59:17;61:6</p> <p><b>wetlands (5)</b> 60:11;62:12;63:15, 15,15</p> <p><b>wettest (1)</b> 51:3</p> <p><b>what's (4)</b> 15:21;21:23,24; 23:19</p> <p><b>whereas (1)</b> 22:21</p> <p><b>whereby (2)</b> 31:19;42:17</p> <p><b>wherever (1)</b> 64:21</p> <p><b>white (2)</b> 50:23;81:4</p> <p><b>whole (4)</b> 60:10;62:12;63:5,6</p> <p><b>who's (1)</b></p>
--	--	---	---	---

69:9 <b>wide (1)</b> 30:23 <b>widely (1)</b> 20:7 <b>wider (1)</b> 30:22 <b>width (4)</b> 39:19;40:7;92:25; 94:13 <b>wife (1)</b> 14:6 <b>Willmar (1)</b> 95:19 <b>wind (2)</b> 4:17;77:16 <b>winds (1)</b> 98:9 <b>Wing (1)</b> 33:4 <b>wish (1)</b> 32:23 <b>withdrawal (2)</b> 20:21;86:2 <b>within (12)</b> 15:2;34:10;38:10; 71:6,19;77:1;78:22; 92:15,17;93:2;94:14; 95:21 <b>without (1)</b> 64:3 <b>wondering (4)</b> 44:11,18;59:18; 60:1 <b>words (2)</b> 19:14;27:7 <b>work (11)</b> 9:11;31:8;39:25; 40:1;68:16;78:4; 81:15;83:9;85:14; 95:1;97:8 <b>working (3)</b> 37:25;63:4;77:9 <b>works (7)</b> 16:24;19:17;45:8; 67:9;80:3;81:10; 97:24 <b>world (1)</b> 33:5 <b>worse (1)</b> 78:6 <b>worth (1)</b> 90:4 <b>wrecked (1)</b> 54:23 <b>write (1)</b> 71:3 <b>writing (1)</b> 53:7 <b>written (2)</b> 16:12;39:8 <b>wrong (3)</b> 35:24;36:6;58:11	<b>Y</b> <b>yard (1)</b> 27:1 <b>yards (4)</b> 36:18,19;49:9; 50:11 <b>year (12)</b> 18:8;31:10;40:18, 18,21;49:22;55:1; 75:18;81:8,21;96:10, 22 <b>years (16)</b> 9:24;10:24;11:16; 25:24;26:14;29:12; 44:21;46:13;55:24; 65:4;74:7,9;75:6; 95:15,19;96:15 <b>Yep (4)</b> 51:13,23;57:7; 96:16 <b>Z</b> <b>zone (1)</b> 44:1 <b>zoning (2)</b> 36:11;37:9 <b>Zumbro (1)</b> 58:12 <b>1</b> <b>1 (1)</b> 43:9 <b>1,000 (1)</b> 37:12 <b>10 (8)</b> 18:18;44:2;56:21, 22;57:1;74:7,8;81:12 <b>10:00 (1)</b> 87:7 <b>100 (1)</b> 93:7 <b>105 (1)</b> 63:13 <b>10-minute (1)</b> 48:2 <b>1100 (1)</b> 25:3 <b>11th (1)</b> 93:25 <b>12 (2)</b> 47:7;61:13 <b>120 (1)</b> 93:7 <b>1280 (1)</b> 50:9 <b>12-inch (1)</b> 12:3 <b>13 (6)</b> 11:18;20:5;47:7,12;	53:10;85:1 <b>1320 (1)</b> 50:9 <b>13th (8)</b> 18:8;22:13;67:8; 80:10;81:8,21;88:5; 99:24 <b>14 (2)</b> 16:18;82:12 <b>15 (6)</b> 8:16;10:24;65:4; 71:12;74:7,9 <b>15-858 (2)</b> 8:17;72:18 <b>15th (1)</b> 87:7 <b>16 (3)</b> 37:1;92:19;96:10 <b>16-foot (1)</b> 57:24 <b>16-inch (2)</b> 12:2;54:6 <b>16th (1)</b> 90:14 <b>17 (1)</b> 75:19 <b>177 (2)</b> 10:6;73:21 <b>18 (2)</b> 42:15;75:19 <b>18- (1)</b> 72:17 <b>192 (2)</b> 43:1;86:15 <b>1947 (1)</b> 44:5 <b>195 (3)</b> 43:1,7;86:16 <b>1969 (1)</b> 44:7 <b>1987 (1)</b> 14:13 <b>1988 (1)</b> 14:15 <b>1998 (1)</b> 65:6 <b>19th (1)</b> 34:21 <b>2</b> <b>2 (1)</b> 43:14 <b>2:00 (2)</b> 3:1;67:15 <b>20 (3)</b> 42:15;65:4;96:20 <b>200 (3)</b> 48:13;50:8;93:8 <b>2016 (1)</b> 80:11 <b>2017 (1)</b> 97:3	<b>2019 (1)</b> 96:20 <b>2020 (1)</b> 34:15 <b>2022 (1)</b> 97:6 <b>2023 (1)</b> 97:6 <b>216G (2)</b> 77:24;91:16 <b>216G02 (1)</b> 14:13 <b>23 (1)</b> 37:2 <b>230,000 (2)</b> 10:5;73:21 <b>24-7 (1)</b> 72:24 <b>25 (6)</b> 37:5;39:20,20,22; 40:7;93:5 <b>26 (2)</b> 40:18;47:15 <b>275 (4)</b> 4:21;25:6;65:15; 69:4 <b>29 (2)</b> 51:9,11 <b>299J05 (2)</b> 38:9;95:11 <b>3</b> <b>3 (2)</b> 43:13,16 <b>3:11 (1)</b> 52:21 <b>3:25 (1)</b> 52:20 <b>3:29 (1)</b> 52:21 <b>3:30 (1)</b> 23:11 <b>30 (1)</b> 37:5 <b>300 (6)</b> 20:2,6;37:13;85:3, 6;93:8 <b>31 (1)</b> 92:19 <b>3504 (1)</b> 90:12 <b>36 (4)</b> 29:10,18;30:23; 91:15 <b>4</b> <b>4 (3)</b> 43:9,13;68:1 <b>40 (2)</b> 8:5;90:19 <b>400 (3)</b>	49:9;50:11;90:23 <b>40th (13)</b> 48:20,21;59:16,19; 60:6,10;62:10,11,25; 63:2,2;90:18;96:7 <b>410 (1)</b> 61:14 <b>4434 (1)</b> 96:7 <b>4500 (1)</b> 25:5 <b>45th (5)</b> 59:24;60:4;61:7; 63:10,14 <b>4635 (1)</b> 93:25 <b>48th (2)</b> 49:12,13 <b>49 (3)</b> 43:1,7;86:15 <b>5</b> <b>5 (4)</b> 47:7,11;53:9,11 <b>50 (12)</b> 4:13;8:5;37:6; 39:16,19,21;40:6; 68:22;89:21;93:9,15; 95:21 <b>500 (6)</b> 65:10,13,14;66:3; 94:14,14 <b>52 (1)</b> 63:1 <b>54 (5)</b> 29:7;30:21;43:20; 44:12;91:19 <b>54-inch (1)</b> 29:17 <b>550,000 (2)</b> 10:21;74:19 <b>5581 (1)</b> 90:18 <b>5-inch (1)</b> 12:5 <b>6</b> <b>6:00 (3)</b> 67:2,16;99:25 <b>60 (2)</b> 56:2;71:6 <b>60th (11)</b> 26:15,16;27:23; 34:21;58:9,9,10,11; 89:17;90:12,15 <b>63 (5)</b> 47:15;59:17;60:9; 63:1,2 <b>650 (1)</b> 37:14 <b>66 (1)</b>
---	---	--	---	--

92:25				
<b>7</b>				
<b>7.9 (1)</b> 90:20 <b>70 (1)</b> 18:15 <b>70th (1)</b> 18:16 <b>75 (1)</b> 13:19 <b>77 (1)</b> 13:19 <b>7852 (2)</b> 15:2;78:8				
<b>8</b>				
<b>8 (5)</b> 12:2;48:20,21;53:9, 11 <b>80 (3)</b> 61:13;63:12;77:1 <b>80s (1)</b> 77:21 <b>811 (1)</b> 64:21 <b>87 (1)</b> 9:24				
<b>9</b>				
<b>900 (4)</b> 25:3;65:17,18;66:1 <b>90s (1)</b> 46:15				