

STATE OF NORTH DAKOTA  
PUBLIC SERVICE COMMISSION

Dakota Gasification Company :  
Carbon Dioxide Gas Pipeline - : Case No. PU-21-150  
Mercer County :  
Siting Application :

TRANSCRIPT OF  
HEARING

Taken At  
1900 Central Avenue North  
Beulah, North Dakota  
July 12, 2021

BEFORE HOPE HOGAN  
-- ADMINISTRATIVE LAW JUDGE --

A P P E A R A N C E S

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

COMMISSIONERS PRESENT:

COMMISSIONER JULIE FEDORCHAK, Chair  
COMMISSIONER RANDY CHRISTMANN  
COMMISSIONER BRIAN KROSHUS

-----

MS. CASEY J. JACOBSON  
Basin Electric Power Cooperative  
Senior Staff Counsel  
1717 East Interstate Avenue  
Bismarck, North Dakota 58503

FOR DAKOTA GASIFICATION  
COMPANY.

-----

MR. ZACHARY E. PELHAM  
Pearce Durick PLLC  
Attorneys at Law  
314 East Thayer Avenue  
P.O. Box 400  
Bismarck, North Dakota 58502-0400

FOR THE PUBLIC SERVICE  
COMMISSION.

-----

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

T A B L E O F C O N T E N T S

INDEX OF PROCEEDINGS

	<u>Page</u>
Opening Comments by Judge Hogan.....	7
Opening Comments by Commissioner Fedorchak..	11
Opening Comments by Commissioner Christmann.....	12
Opening Comments by Commissioner Kroshus....	14
Closing Discussion.....	126
Closing Comments by Commissioner Fedorchak..	128
Closing Comments by Commissioner Christmann.....	129
Closing Comments by Commissioner Kroshus....	129

-----

CERTIFICATE

Certificate of Court Reporter.....	Page 131
------------------------------------	----------

-----

APPLICANT'S WITNESSES

TYLER SCHILKE

Examination by Ms. Jacobson.....	Page 17
Examination by Mr. Pelham.....	Page 25
Examination by Mr. Schock.....	Page 32
Examination by Commissioner Fedorchak...	Page 33
Examination by Commissioner Christmann..	Page 43
Examination by Commissioner Kroshus.....	Page 47

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

T A B L E O F C O N T E N T S (Cont'd)

Further Examination by Commissioner Christmann.....	Page	51
Further Examination by Commissioner Fedorchak.....	Page	52
Further Examination by Commissioner Kroshus.....	Page	52

KEVIN SOLIE

Examination by Ms. Jacobson.....	Page	54
Examination by Mr. Pelham.....	Page	63
Examination by Commissioner Fedorchak...	Page	67
Examination by Commissioner Christmann..	Page	69
Examination by Commissioner Kroshus.....	Page	72

CLAUDE O'BERRY

Examination by Ms. Jacobson.....	Page	75
Examination by Mr. Pelham.....	Page	81
Examination by Mr. Schock.....	Page	84
Examination by Commissioner Fedorchak...	Page	87
Examination by Commissioner Christmann..	Page	94
Examination by Commissioner Kroshus.....	Page	97

-----

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

T A B L E O F C O N T E N T S (Cont'd)

PUBLIC WITNESSES

BRAD ERICKSON

Statement by Mr. Erickson..... Page 106

Examination by Mr. Pelham..... Page 107

Examination by Commissioner Christmann.. Page 108

VICKIE BATROOT

Statement by Ms. Batroot..... Page 110

Examination by Commissioner Christmann.. Page 113

Examination by Commissioner Kroshus..... Page 114

SARAH FLATH

Statement by Ms. Flath..... Page 115

PAMELA TRHLIK

Statement by Ms. Trhlik..... Page 119

-----

T A B L E O F C O N T E N T S (Cont'd)

APPLICANT'S EXHIBITS

<u>Exhibit No.</u>	<u>Offered</u>	<u>Received</u>
1	16	16
2	16	16
3	16	16
4	16	16
5	16	16
6	16	16
7	16	16
8	16	16
9	16	16
10	16	16
11	126	127
12	127	127

-----

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

1           (The following proceedings were had and  
2 made of record herein, commencing at 8:30 a.m.,  
3 Monday, the 12th day of July, 2021:)

4           JUDGE HOGAN: All right. Good morning.  
5 We're going to get started. It's 8:30 on July 1,  
6 2021. This is the time and date set by the Notice  
7 of Filing and Public Hearing issued by the North  
8 Dakota Public Service Commission on June 9, 2021,  
9 for Case Number PU-21-150.

10           My name is Hope Hogan, and I'm the hearing  
11 officer that's been designated for this hearing.  
12 I'm an administrative law judge designated by the  
13 Office of Administrative Hearings upon the request  
14 of the Public Service Commission.

15           This hearing is being held this morning at  
16 the Energy Wellness Center in Beulah, North Dakota.

17           As we begin the hearing, I'd ask that you  
18 please check your cell phones to make sure they're  
19 either turned off or silenced so that we can avoid  
20 those kind -- those types of disturbance during our  
21 hearing this morning.

22           I also sent an attendance sheet around,  
23 and the Commission would ask that everybody sign  
24 the attendance sheet so that we have a record of  
25 who is attending our hearing this morning.

1           This hearing is on the application of  
2 Dakota Gasification Company regarding a certificate  
3 of corridor capability and route permit for a  
4 proposed pipeline project. The proposed pipeline  
5 project is a 2.9 mile of 12-inch and 3.9 mile of  
6 6-inch outside diameter carbon dioxide gas pipeline  
7 wholly located in Mercer County, North Dakota.

8           The notice of filing and notice of hearing  
9 specified the following issues to be considered and  
10 determined in this matter:

11           Number 1, will the construction, operation  
12 and maintenance of the facility at the proposed  
13 location produce minimum adverse effects on the  
14 environment and upon the welfare of the citizens of  
15 North Dakota?

16           Number 2, are the proposed facilities  
17 compatible with the environmental preservation and  
18 the efficient use of resources?

19           And, number 3, will construction,  
20 operation, maintenance of the facility at the  
21 proposed location minimize adverse human and  
22 environmental impact while ensuring continuing  
23 system reliability and integrity and ensuring that  
24 energy needs are met and fulfilled in an orderly  
25 and timely fashion?

1           We will now have the parties make their  
2           appearances. Ms. Jacobson, do you want to note  
3           your appearance for the record and introduce the  
4           witnesses you intend to call this morning?

5           MS. JACOBSON: Yes. Thank you, Your  
6           Honor.

7           Casey Jacobson on behalf of Dakota  
8           Gasification Company, DGC. And this morning we  
9           will have three witnesses that will be testifying.  
10          The first is Tyler Schilke. He is the supervisor  
11          of mechanical engineering at Basin and he's also  
12          the project manager.

13          The second witness will be Kevin Solie.  
14          He's the senior environmental compliance  
15          coordinator at Basin Electric, and he will be the  
16          second witness.

17          And then the last witness will be Claude  
18          O'Berry, and he is the pipeline superintendent at  
19          DGC.

20          Thank you, Your Honor.

21          JUDGE HOGAN: Thank you.

22          Mr. Pelham, do you want to state your  
23          appearance for the record and introduce Commission  
24          staff with you this morning?

25          MR. PELHAM: Thank you, Your Honor.

1                   Good morning. On behalf of the  
2 Commission, Special Assistant Attorney General  
3 Zachary Pelham. To my right is Victor Schock,  
4 public utilities analyst, who may have some  
5 questions, and we would ask that he be permitted to  
6 ask questions at this hearing.

7                   Thank you.

8                   JUDGE HOGAN: Does the Commission intend  
9 to call any witnesses for this hearing?

10                  MR. PELHAM: We do not.

11                  JUDGE HOGAN: All right. Testimony for  
12 the public will be taken at the completion of  
13 Dakota Gasification Company's presentation of  
14 witnesses. By a show of hands, is there anyone  
15 present in the audience who may testify or comment  
16 this morning? All right. Couple -- couple hands.

17                  All right. I encourage you to take this  
18 opportunity to tell the commissioners anything you  
19 think the Commission should know about this matter.  
20 I assure you that you have -- what you have to say  
21 is important to the Commission and will be  
22 considered by the Commission as they decide this  
23 case.

24                  If you have not yet signed the attendance  
25 sheet or if you have signed it, if you want to mark

1 that you intend to testify, that will help us when  
2 we get to that portion of the hearing. If you have  
3 any questions about providing any documents to the  
4 Commission, such as maps, photos or other such  
5 documents that you'd like included in the record,  
6 please talk to me during the break and we'll  
7 discuss that.

8 It's now time for opening comments from  
9 the commissioners. Commissioner Fedorchak.

10 COMMISSIONER FEDORCHAK: Good morning,  
11 everybody. Good to be here in Beulah this morning,  
12 next to one of Beulah's most famous residents.

13 It's a great place to be and a wonderful  
14 facility. We were -- I apologize that it's a  
15 little tight. We maybe could have found a place  
16 that was a little more roomy. We weren't sure how  
17 big it was, but Randy wanted to be near the, you  
18 know, workout equipment in case there was a break  
19 and he could go get a little exercise, so we chose  
20 the wellness center.

21 Anyway, it's an interesting project. I  
22 look forward to the hearing today and learning more  
23 about this project, the -- the route, the actual  
24 infrastructure that's being proposed.

25 And as Hope said, the ultimate goal of

1 this in every siting is to balance. Balance both  
2 the production and development of our energy --  
3 state's energy resources with having a minimal  
4 impact on the environment and the people who live  
5 around this infrastructure.

6 And so that's what we're always looking  
7 towards is finding that right balance, making sure  
8 that we're doing things properly from an  
9 environmental standpoint and also making sure that  
10 we're being conscious of the folks that are living  
11 around these facilities, and recognizing any -- any  
12 impacts that they might experience and how to  
13 mitigate those.

14 So look forward to a productive hearing,  
15 and -- and thanks for being here.

16 JUDGE HOGAN: Thank you.

17 Commissioner Christmann.

18 COMMISSIONER CHRISTMANN: Well, for those  
19 who have known me best and for a long time, you  
20 probably know that I'm more excited about the  
21 location not for the workout equipment but because  
22 it's centrally located between Dairy Queen and  
23 Fanatics Sports Bar. So those seem more appealing  
24 to me.

25 But I guess I get pretty excited about

1 having any of our hearings or anything back here in  
2 Mercer County because I do just love it up here.

3 Usually, though, our projects involve more  
4 landowners and so we get larger attendance, but one  
5 of the things that was -- when we had the show of  
6 hands of who might want to testify, just because  
7 you did not show your hand does not mean that  
8 you're not allowed. We urge people to testify  
9 because, you know, our role here is not to be an  
10 advocate for the developer and -- and try and  
11 ramrod a project through. It's also not to be an  
12 obstacle and trying to be -- you know, have a foot  
13 in the door and hold things up.

14 Our role is to make sure that we get all  
15 the information and make a good decision as quickly  
16 as possible and make sure that these projects are  
17 done in accordance with the law of the State of  
18 North Dakota. That's what we're here for. We can  
19 do that the best when we have as much information  
20 as possible.

21 So as we go, if you hear things you have  
22 concerns about or if you have concerns now and  
23 things weren't answered to your satisfaction, the  
24 public's role is not to ask questions, but you're  
25 certainly welcome at the end, even if you didn't

1 arrange it in advance, to -- to make comments to  
2 us, and we encourage that.

3 I do just want to highlight to the company  
4 there are a number of things in application I have  
5 questions on and I'm imagining will likely be  
6 answered in the testimony, but one of the things  
7 that's, I guess, unique to this case so I bring it  
8 up now is having part of the project in an active  
9 mine permit, and so I'm -- I'm looking to get some  
10 answers to that.

11 Thank you.

12 JUDGE HOGAN: Thank you. Commissioner  
13 Kroshus.

14 COMMISSIONER KROSHUS: All right. Thank  
15 you, Your Honor.

16 Good morning, everyone. It's good to be  
17 here up in Beulah, and I'd echo similar thoughts.  
18 One thing when we go through the siting  
19 applications, it's about going through an extensive  
20 checklist, making sure the application meets the  
21 requirements set forth in law.

22 This is not a time for the Commission  
23 to -- nor is it ever a time to modify the law or to  
24 change it. That's a legislative process. So we  
25 apply the law as it is written today, fairly and

1 accurately is the intent.

2           And the one thing with that said, I'm  
3 excited about this particular project because it  
4 signals a continuation of the conversation that is  
5 happening not just in North Dakota but across the  
6 country, and that helps -- and that is helping to  
7 support the long-term use of a valuable energy  
8 resource, which is coal, and we need to continue  
9 looking at that as a viable energy solution because  
10 it's proven, it's needed and reliability is  
11 critical.

12           Now, with that said, we're not a  
13 cheerleading squad so, again, the application has  
14 to meet the proper requirements, but just on -- on  
15 that note, I'm excited about this because it's just  
16 another important step forward for the state of  
17 North Dakota if the application meets the  
18 requirements, it's approved and the project is put  
19 in place.

20           So look forward to a productive hearing,  
21 and I'll turn it back to you, Your Honor.

22           JUDGE HOGAN: Thank you.

23           Ms. Jacobson, do you have any preliminary  
24 opening remarks, matters or motions that you want  
25 to make?

1 MS. JACOBSON: Your Honor, I don't have an  
2 opening statement, but if this is the appropriate  
3 time, I would move for the admission of Exhibits 1  
4 through 10.

5 JUDGE HOGAN: All right. And, Mr. Pelham,  
6 any objection to the exhibits or entering them at  
7 this point in the hearing?

8 MR. PELHAM: No objections to the  
9 exhibits, Your Honor.

10 JUDGE HOGAN: All right. Then Exhibits 1  
11 through 10 will be admitted into the record.

12 Mr. Pelham, did you have any opening  
13 remarks, matters or motions?

14 MR. PELHAM: No, I'm just looking forward  
15 to a good hearing and we'll see how things go.  
16 Looking forward to a good hearing.

17 JUDGE HOGAN: All right. Ms. Jacobson, do  
18 you want to call your first witness?

19 MS. JACOBSON: Yes, Your Honor. Thank  
20 you. I would call Tyler Schilke, please.

21 JUDGE HOGAN: Good morning, Mr. Schilke.

22 MR. SCHILKE: Good morning.

23 JUDGE HOGAN: Just for our record, can you  
24 spell your last name?

25 MR. SCHILKE: S-c-h-i-l-k-e.



1 past 14 years. Prior to that, I worked for Applied  
2 Engineering for three years as a test engineer.  
3 During my time at Basin Electric, I've worked on  
4 engineering projects for all of Basin Electric's  
5 power-generating facilities as well as DGC.

6 Q. And what have been your responsibilities  
7 with the proposed project?

8 A. My role in this project is the project  
9 manager. In that role my responsibilities are  
10 coordinating all aspects of the project, including  
11 design, permitting, construction and commissioning.

12 Q. Would you please provide a description of  
13 the proposed project?

14 A. Sure. If you refer to Exhibit 8, which is  
15 the hearing map. Okay. At the -- at the bottom of  
16 the page there is Dakota Gasification Company's  
17 Great Plains Synfuels Plant. North is to the top  
18 of the page. And I'll start by describing the --  
19 the underground facilities first.

20 The red line shown there is the 12-inch  
21 main line which starts at DGC and ends up at well  
22 site number 3. I should mention each of the six  
23 proposed well sites are numbered there, 1, 2, 3, 4,  
24 5 and 6, and are represented by the orange dot.

25 Branching off of the 12-inch main line are

1 6-inch branch lines that, again, branch from the  
2 12-inch line and -- and end at each one of the well  
3 sites.

4 The -- for the aboveground facilities,  
5 starting first with the aboveground facilities at  
6 DGC, the line will connect to the existing CO<sub>2</sub>  
7 pipeline aboveground. There will be a flow meter,  
8 a flow control valve, a motor-operated block valve,  
9 a pig launcher, and manual valves which will be  
10 used for maintenance and operations of the -- of  
11 the equipment.

12 At wells -- at site 3, there will be a pig  
13 receiver on the -- on the 12-inch line. In  
14 addition, there will be branch lines for each of  
15 the -- each of the 6-inch lines going to well sites  
16 2, 3, 4, 5 and 6. Those will also have a  
17 motor-operated valve, which is capable of remote  
18 operation located very near the connection to the  
19 12-inch main line.

20 At the -- at the end of the line at the  
21 well sites, there will be a flow meter. There will  
22 also be manual valves at each end to -- to  
23 facilitate operations and maintenance of the  
24 equipment.

25 Q. Are you familiar with the application that

1 was submitted to the PSC and is Exhibit 1?

2 A. Yes.

3 Q. Have there been any changes to the  
4 application since it was submitted?

5 A. The only significant change is that since  
6 the application was submitted, DGC has elected to  
7 take responsibility for development of the well  
8 sites themselves.

9 Q. Thank you. Please explain why DGC has  
10 proposed this project and the importance of the 45Q  
11 tax credits to DGC?

12 A. DGC has proposed the project in order to  
13 sequester additional CO<sub>2</sub> produced by the plant site.  
14 The 45Q tax credits make it economically feasible  
15 to do this.

16 Q. Are you aware of the potential of the  
17 Great Plains Synfuels Plant to be sold to Bakken  
18 Energy Mitsubishi for a hydrogen facility?

19 A. Yes.

20 Q. Will the proposed project continue if that  
21 happens?

22 A. Basin Electric plans to continue with the  
23 project. In the event that the plant site is sold,  
24 Bakken Energy has indicated that they, too, plan  
25 for CO<sub>2</sub> sequestration as part of -- as part of the

1 facility, and it's anticipated that it would be  
2 used in the future if that scenario played out as  
3 well.

4 Q. What amount of CO<sub>2</sub> will the project move  
5 and ultimately store?

6 A. Initially, the project will transport 60  
7 thou -- 60 million standard cubic feet or  
8 3100 metric tons per day.

9 Q. What are the benefits of CO<sub>2</sub> sequestration?

10 A. CO<sub>2</sub> sequestration has -- has the benefit of  
11 reducing emissions that -- reducing greenhouse gas  
12 emissions. In addition, this -- this project has  
13 the potential to keep viability for the plant's  
14 coal and energy facilities, and it also makes a  
15 positive contribution towards net -- net zero  
16 carbon emissions.

17 Q. Please describe the proposed schedule  
18 including when you anticipate starting  
19 construction.

20 A. The -- based on material deliveries, the  
21 start of construction is anticipated to begin at  
22 the end of September of this year. Construction  
23 will -- will continue until winter conditions  
24 prevent any further construction from occurring.  
25 And it's expected that the contractor will -- will

1 need to remobilize in the spring and -- and finish  
2 up construction into early summer. Commissioning  
3 activities will follow that with a target in  
4 service date of August 1 of next year.

5 Q. Please describe the design that will be  
6 used for the project.

7 A. The design of the project will be based on  
8 Department of Transportation regulations for  
9 transportation of hazardous liquids by pipeline,  
10 which provides all of the -- all of the  
11 requirements for materials, design pressure,  
12 testing and inspection.

13 Q. Please describe the maximum operating  
14 pressure, temperature and flow rate for the  
15 proposed project.

16 A. The maximum operating pressure is 2,964  
17 psi, and that's based on -- it's based on  
18 calculated value from the materials of construction  
19 of the pipeline itself. The maximum temperature is  
20 120 degrees Fahrenheit, and the pipeline is  
21 designed to transport up to 200 million standard  
22 cubic feet per day.

23 Q. Please describe DGC's considerations when  
24 routing the proposed project.

25 A. When routing the project, consideration

1 was given to the most direct route to minimize  
2 impacts and cost. We also attempted to follow  
3 existing linear facilities to minimize future land  
4 development impacts.

5 Q. Can you explain DGC or Basin's  
6 consultation with Coteau in the routing of this  
7 project?

8 A. We've had -- during the course of routing,  
9 we've had numerous walk-downs with Coteau. We've  
10 provided them with -- with route maps, shapefiles  
11 for their viewing and have been in regular  
12 communication with them regarding the route.

13 Q. Does DGC have all the easements needed for  
14 this project?

15 A. Easements will be provided from two  
16 landowners for the project. Those are Basin  
17 Electric and Coteau Properties. Currently, we have  
18 drafted those easements, but we are in the process  
19 of working with local utilities on crossing  
20 agreements. And before we finalize the -- the  
21 easements with the landowners, we will finalize our  
22 crossing agreements so that we can account for any  
23 small changes in route that might be required as a  
24 result of that.

25 Q. Will the project be constructed using all

1 applicable safety standards and laws?

2 A. Yes.

3 Q. And can you explain what those are,  
4 please?

5 A. Yes. The -- the pipe before it leaves the  
6 factory will go through quality control  
7 inspections. Once -- once construction begins,  
8 we'll have inspectors on-site ensuring that the  
9 contractor is following the specifications and  
10 installing the pipeline correctly.

11 When the pipeline welding occurs, we  
12 will -- we'll have x-ray performed on a hundred  
13 percent of the girth welds. X-ray is a form of  
14 nondestructive evaluation to verify the quality of  
15 the weld.

16 When the pipeline -- when the backfilling  
17 of the pipeline is occurring, we'll also have  
18 inspectors -- I should say after the trench is  
19 opened and before backfilling, the trench will be  
20 inspected to make sure that there's no rocks or  
21 anything in the trench that could potentially  
22 damage the pipe, and the same will be done with the  
23 backfill as that's going in to make sure that  
24 there's no -- no potential damage that could occur  
25 from anything in the backfill.



1           A.     We are in the process of working on the  
2 utility crossings now which -- anticipating  
3 occurring within -- or being finalized within the  
4 next month and the easements would be shortly  
5 thereafter.

6           Q.     And you testified as to the motor-operated  
7 valves that can be remotely activated. I'm  
8 wondering if you could just take me through the  
9 process of how they're remotely activated, who can  
10 do that, who's monitoring, those types of things.

11          A.     The -- the valves can be remotely operated  
12 by the control room at Dakota Gasification  
13 Company's Great Plains Synfuels Plant. In the  
14 event of any emergency, they would be able to do  
15 that.

16          Q.     And the control room is -- what other  
17 pipelines are they -- would they be monitoring?

18          A.     I can -- they're monitoring their existing  
19 CO<sub>2</sub> pipeline. We do have Claude O'Berry testifying  
20 later who is much more familiar with the operations  
21 of the pipeline and he may be better suited to  
22 answer that.

23          Q.     Yeah. And -- and I should have said that  
24 at the beginning. If there's any questions that  
25 another witness would be more appropriate, don't be

1 bashful. Just let me know and that happens all of  
2 the time.

3 Any idea whether or not there's backup  
4 power to these motor-operated valves?

5 A. Yes, we have UPS system capable of  
6 operating those valves.

7 Q. As to the well sites themselves, those  
8 have to be permitted by another agency; correct?

9 A. Yes.

10 Q. And that state agency is the Industrial  
11 Commission; is that right?

12 A. Correct.

13 Q. All right. And if you could just tell the  
14 Commission where -- just generally where the status  
15 of that -- that permitting process is at.

16 A. That -- that permitting process is in  
17 the -- basically the development of the -- of the  
18 application right now. We are just finishing up a  
19 test well to get some information relevant to those  
20 permit application documents. It's anticipated  
21 that we will be submitting that application likely  
22 this fall.

23 Q. And one of the commissioners has -- has  
24 noted that the line is proposed to be crossing land  
25 that is -- that has a mine permit for mining. I'm

1 just wondering if you're able to testify or comment  
2 on any issues that interplay with this proposed  
3 project and the existing permit.

4 A. I don't -- I'm not able to comment on  
5 that.

6 Q. Do you know whether or not another witness  
7 here today can testify as to that?

8 A. I -- I do not believe so.

9 Q. Okay.

10 A. I -- the question had been asked about the  
11 consultation with Coteau and the process, and so we  
12 have -- we have made them aware of the route.

13 Q. Okay. Any consultation with the  
14 Commission's reclamation division on this project  
15 that you're aware of?

16 A. Not that I'm aware of.

17 Q. And my understanding is -- and it's one of  
18 the exhibits -- there's a conditional use permit  
19 from Mercer County, the county commission; correct?

20 A. Correct.

21 Q. Any townships require any type of  
22 permitting that you're aware of?

23 A. Not that I'm aware of.

24 Q. Do you know whether or not any townships  
25 have zoning authority in Mercer County, if --

1           A.     Not that I'm aware of, and Kevin Solie,  
2           one of the other witnesses, can comment on that  
3           additionally.

4           Q.     Fair enough.   Emergency response, fair to  
5           say that's Mr. O'Berry's territory?

6           A.     Correct.

7           Q.     You testified as to construction and --  
8           and the anticipated timeline for that, and you  
9           testified, sir, that -- and correct me if I'm  
10          wrong, but I understood your testimony that winter  
11          conditions set in, construction's going to stop and  
12          then restart when conditions allow in the spring.  
13          Any plans for winter construction on this project?

14          A.     Not at this time.

15          Q.     Okay.   And when you say "not at this  
16          time" -- and the reason I'm asking is because  
17          typically the Commission will look at the standards  
18          for winter construction.   If -- if there are -- if  
19          the plans do change, does the company commit to  
20          coming to the Commission to consult with it as to  
21          methods to be used for winter construction?

22          A.     Yes.

23          Q.     Topsoil separation, any -- what are the  
24          plans for topsoil separation?

25          A.     We intend to separate the topsoil.   We

1 have taken soil borings in the location, and  
2 topsoil thickness is about 12 inches or less --

3 Q. Okay.

4 A. -- throughout the route.

5 Q. And as far as after the -- assuming the  
6 project's approved and the line is installed, what  
7 is anticipated by the company to do in terms of  
8 reclamation after in terms of soil and replanting,  
9 those types of things?

10 A. Yes. We'll -- we'll be replanting as soon  
11 as we're able to following construction of the  
12 line. We'll be using either a seed mixture  
13 approved by the PSC or requested by the landowners.

14 Q. Again, the only landowners here we're  
15 talking about are Basin Electric and Coteau mines;  
16 correct?

17 A. Correct.

18 Q. Do you know if any of the land is used for  
19 farming or agricultural purposes at all?

20 A. There -- the majority of it is either  
21 pastureland or kind of an existing utility corridor  
22 which is not -- not used for any agriculture.

23 Q. Okay. And the pastureland that's used,  
24 any -- and I'm just wondering, if you know, whether  
25 or not -- do you know whether or not that

1 pastureland is leased or rented to -- to folks or  
2 is that --

3 A. I don't know the status of that.

4 Q. Fair enough.

5 Agency contacts, is that -- are you able  
6 to testify to that or is that another --

7 A. That would be Mr. Solie.

8 Q. Fair enough.

9 Same with the environmental --  
10 environmental and cultural issues?

11 A. Yes.

12 Q. Okay. In your prepared -- your testimony  
13 that's Exhibit 2, I believe that there is a comment  
14 about -- about wetlands. Are you able to testify  
15 as to wetlands at all or plans?

16 A. Yes.

17 Q. My understanding is that there are some  
18 wetlands on the project. Is it the company's  
19 intention to bore those areas?

20 A. Yes. There is one wetland on the project  
21 and our intention is to cross that by boring.

22 MR. PELHAM: Mr. Schilke, thank you for  
23 your testimony, and Mr. Schock may have some  
24 questions for you.

25 MR. SCHOCK: Just a couple quick ones.

**EXAMINATION**

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

**BY MR. SCHOCK:**

Q. Morning.

A. Good morning.

Q. Are there any rural residences, businesses or anything of the like within 500 feet of the route of the proposed line?

A. Yes. Coteau's office building is right at 500 feet from the line.

Q. Okay.

A. And then DGC, the plant site there obviously where we start, is --

Q. Okay. Do you --

A. -- in close proximity.

Q. Do you intend to get a waiver from Coteau for that -- for crossing within the 500 feet?

A. Yes, I believe -- I believe Exhibit 10 is the waiver that we've received from Coteau.

Q. Okay. And just kind of looking at the map, it looked like there was a couple other kind of almost farmstead-looking things towards the north end of the project. None of those are within -- are either occupied or within 500 feet?

A. No.

Q. No. Okay.



1 Q. -- the whole goal of this.

2 A. The -- the initial sites were selected  
3 based on modeling. That modeling was based on  
4 information that was available from the water  
5 disposal wells at DGC along with some additional  
6 wells that had had cores taken, so a good  
7 understanding of the geology in the area.

8 Based on that, modeling was performed to  
9 see where the CO<sub>2</sub> -- how far the CO<sub>2</sub> would be  
10 expected to expand, the amount of CO<sub>2</sub> that would be  
11 expected to be injected in each well site. And --  
12 and that's how the number and the spacing of the  
13 well sites was selected, for the most part.

14 The other consideration for the well sites  
15 was just accessibility and topography there. The  
16 depth -- a lot of the details of the wells are  
17 still pending. That is -- that's going to be  
18 determined as we -- as we get the results back from  
19 the test well. Injection will -- is anticipated to  
20 be into the -- into the Broom Creek Formation,  
21 which is approximately a mile down.

22 Q. Okay. And what are those -- what are the  
23 formations, is it -- that keeps it in? What keeps  
24 the CO<sub>2</sub> in?

25 A. The confining layers, the Amsden is

1       beneath, I would have to go back and look to see  
2       what the top -- what the upper confining layer is.

3           Q.     Okay.  Is there -- for the permitting of  
4       those wells, is there a hearing process like this,  
5       a public hearing process; do you know?

6           A.     I'm not sure.  We have -- because we have  
7       not, obviously, experienced a project like this  
8       before, we -- we have a consultant that we're using  
9       that's more familiar with the process for drilling  
10      wells and has been in consultation with the EERC  
11      and the NDIC in the process for that.

12          Q.     Okay.  So are these the first CO<sub>2</sub> wells  
13      permitted in North Dakota?

14          A.     I believe there are at least --

15          Q.     Some test --

16          A.     -- there's at least one application in for  
17      a storage facility permit, I believe.

18          Q.     Yeah.  So --

19          A.     But there have been other -- yes, there  
20      have been other test wells --

21          Q.     Test wells.

22          A.     -- that have been drilled.  Yes.

23          Q.     Have there been test wells in this area,  
24      or are they further west?

25          A.     There was -- is it the Flemmer well, I

1 think, was a test well that was drilled a number of  
2 years ago, but the others that I'm aware of have  
3 not been in the immediate vicinity.

4 Q. Okay. And you guys are going to be  
5 operating that well too; right?

6 A. Correct.

7 Q. Yeah.

8 Is this a new line of work for you or have  
9 you -- are you familiar with this already? Do you  
10 have past experience?

11 A. With the sequestration or the pipeline?

12 Q. Sequestration.

13 A. The sequestration is new to us.

14 Q. Okay. So how do you go about getting the  
15 people to do it? I mean, where -- have you hired  
16 new staff? I mean, who -- how do you beef up for a  
17 new project like this?

18 A. I'm probably -- I'm not the right person  
19 to answer that question, but the -- the intention  
20 for operating the wells themselves again is to rely  
21 on the consultants -- it would be the same  
22 consultant that we have hired to -- to develop the  
23 application for the storage facility and to drill  
24 the wells and to -- and to install the  
25 infrastructure at the well sites themselves.

1 Q. Okay. And what can you tell me about  
2 that -- that consultant? Anything? Are they a  
3 national consultant? Where does their -- you know,  
4 where does their experience come from?

5 A. Their experience comes largely from oil  
6 and gas development. They do have experience with  
7 development of -- of CO<sub>2</sub>. They also are, again, in  
8 consultation with -- with the EERC and relying on  
9 their knowledge for -- for a lot of the modeling  
10 and the specifics of CO<sub>2</sub> sequestration.

11 Q. Yeah. Well, it's one of those new areas  
12 in the state. I know it's a new industry. I think  
13 there's a lot of curiosity and questions amongst  
14 the public, too, about what does this mean. You  
15 know, how safe is it, what are the concerns, any  
16 information like that.

17 So being as Basin is on the cutting edge,  
18 you guys are always really good about providing,  
19 you know, a lot of public outreach and that sort of  
20 thing, but in this particular project, I've tried  
21 to get more information about some of those things  
22 and I'm not -- it's a little hard to find. So  
23 hopefully you guys will be -- as you go through  
24 that well permitting process, there will be a lot  
25 more information about that available to the

1 public, and, you know, leaders, et cetera, just so  
2 we all can learn because it is going to be a big  
3 deal in our state for many years to come, I think,  
4 judging by the movement nationwide for CO<sub>2</sub>  
5 sequestration, and North Dakota supposedly having  
6 very good geology for that.

7           So I look forward to having you guys help  
8 teach us how this all works and help -- help us get  
9 better educated about that. And then the NDIC,  
10 too, since they -- the Industrial Commission is the  
11 one doing all of those permits, they'll have to be  
12 involved in that as well.

13           So you did say that -- oh, one more  
14 question on that. Have you done communication with  
15 the community? Has Basin had community meetings  
16 about this project, or what kind of community  
17 outreach have you done in regards to this  
18 particular new project?

19           A. We have not -- we have not had a lot of  
20 community outreach as far as this project goes --

21           Q. Okay.

22           A. -- to date.

23           Q. But do you have some planned in the  
24 future?

25           A. I believe we'll be -- as -- as we get more

1 details on the storage facility, now that the test  
2 well is done, I believe we'll be in a better  
3 position to provide details about -- about the CO<sub>2</sub>  
4 storage portion of the project.

5 Q. Okay. Very good. So and I will just say,  
6 like, we're -- this process is strictly the impact  
7 of the pipelines and their development and their  
8 operation. It really has nothing to do with the  
9 storage and just, say, we approve this permit, it  
10 doesn't necessarily mean that it's a slam dunk for  
11 you guys to get the wells either. I mean, they're  
12 not tied together in any way. So I just want to  
13 emphasize that that's my understanding, and I would  
14 assume it's your guys' understanding too.

15 A. Yes.

16 Q. All right. Let's see here. How -- you  
17 mentioned that the -- you gave the numbers for how  
18 much it will sequester and the potential was 200 --  
19 60 million cubic SCF. Is that how you -- how is  
20 the term --

21 A. Yes.

22 Q. -- for CO<sub>2</sub> storage? What is it?

23 A. Yep. 60 million standard cubic feet.  
24 Tons is also a -- a unit that's used, and it's  
25 about 31 -- that's the equivalent of about 3100

1 tons.

2 Q. Okay. But it has the potential for up to  
3 200?

4 A. Correct.

5 Q. Do you see it expanding to that some day  
6 or is this -- is it --

7 A. DGC currently has contracts for CO<sub>2</sub> that's  
8 captured with customers in Canada that they're  
9 using it for enhanced oil recovery. If those -- if  
10 those contracts ever expired or were not renewed,  
11 there is potential that that additional volume  
12 could then be sequestered here.

13 Q. I see. And how much -- what numbers would  
14 that involve? Like how much is that?

15 A. That is about 90 million that's under  
16 contract right now.

17 Q. Okay. So even with both, you'd still have  
18 a little bit more room?

19 A. Correct.

20 Q. And what percent of the CO<sub>2</sub> that's emitted  
21 at this facility in total will be sequestered by  
22 the time -- assuming that you get your permits for  
23 the wells and this moves forward, how much are you  
24 capturing or sequestering?

25 A. I would have to get back to you on exactly

1 where that's at.

2 Q. Do you have any -- is it half, 20 percent?

3 A. More than half.

4 Q. More than half.

5 A. Yes.

6 Q. Okay. And what's the -- what are the  
7 restraints for capturing more? Like, how do you  
8 get to a higher percentage of the capture?

9 A. I -- I do not know much about the process  
10 upstream that is capturing the CO<sub>2</sub>.

11 Q. Okay. Okay. I'll let you off the hook.

12 Let's see here. Will this -- will  
13 these -- now getting to the pipeline itself. Will  
14 these branch lines -- or will these lines function  
15 much differently than the CO<sub>2</sub> line that you've been  
16 operating for years that goes up to Canada?

17 A. No. That will be very similar to that  
18 operation.

19 Q. Very similar to that.

20 Have you had any trouble with that line?

21 A. I'll let Mr. O'Berry comment on that.

22 Q. Okay. And then will the branch lines  
23 function -- in this particular facility, will the  
24 branch lines function any differently than the main  
25 line?

1           A.    No.    The only difference would be that it  
2           would be -- there would be more potential for a  
3           branch line to be temporarily taken out of service  
4           if there was any well maintenance or anything like  
5           that, where the main line would -- would likely be  
6           operated --

7           Q.    Okay.

8           A.    -- all the time.

9           Q.    All right.  Just a couple more questions  
10          from me.  So this -- did you say you have all the  
11          easements or you're close to having them with --

12          A.    We have --

13          Q.    -- Coteau?

14          A.    We have drafts of the easements that we've  
15          been working on to date.  They'll just be finalized  
16          once we've made sure that there are no small  
17          adjustments required with the utility crossings.

18          Q.    Okay.  And then because you're crossing  
19          the mines, and it looks like on the maps one of  
20          them is, you know, an active mine and then the  
21          other is land that maybe is permitted and could be  
22          mined, I'm assuming once you put the pipeline in,  
23          they can't mine that land around it.  So how big of  
24          a setback do you have around the lines for  
25          preventing mining?



1 evaluation you looked at -- at how far the CO<sub>2</sub> would  
2 migrate if this was developed?

3 A. Yeah, that is more on the storage facility  
4 permit side, that we evaluated that, but that --  
5 that is what dictated how close the well sites  
6 could be to one another.

7 Q. Okay. And -- and you're right, it's more  
8 on that side, but this is the application that's  
9 ahead of the other one so we're going to get those  
10 questions.

11 A. Yeah.

12 Q. So if it's going to be public anyway, do  
13 you mind telling us, like, if -- if you look at  
14 this as all one area, these six well sites, how far  
15 you expect CO<sub>2</sub> to migrate from there?

16 A. I would -- yeah, I would need to get back  
17 to you on what the preliminary one is. I don't  
18 recall exactly how far it's expected to -- to go  
19 outside of the -- the well location that's shown  
20 there. Based on the -- the modeling will be redone  
21 now that we have information coming in from the  
22 test well that will really solidify that.

23 Q. And, again, for people that are here or  
24 anyone who listens to this, that's not a factor to  
25 me in this case because we're not siting the wells,

1 but it makes life easier if we can answer people's  
2 questions when they call us because they usually  
3 don't like to hear that they should just call  
4 someone else.

5 A. Right. Understood.

6 Q. Thank you.

7 And then I -- you answered some of these  
8 questions for Commissioner Fedorchak, but unlike  
9 miles or barrels or acres or something like that, I  
10 really am challenged to keep a perspective on,  
11 like, tons of CO<sub>2</sub> when it floats around in the air.  
12 And so whether you're talking about tons or  
13 standard cubic feet, stay on one or the other here,  
14 and what -- how much is the total that DGC creates?

15 A. That -- that is -- that's the number I had  
16 committed to Commissioner Fedorchak that I would  
17 have to check into to see what the total is. We're  
18 currently capable of capturing about 150 million  
19 standard cubic feet per day.

20 Q. Tell me the number again.

21 A. 150 million standard cubic feet per day.

22 Q. Okay. And how much is that contract to  
23 Canada or is that proprietary?

24 A. The -- the volume is around 90 million  
25 standard cubic feet per day.

1           Q.     And how much did you say that this well  
2 system could take?

3           A.     Initially, it would be for 60 million  
4 standard cubic feet per day, but the line is sized  
5 for up to 200 million standard cubic feet per day,  
6 the main line.

7           Q.     Okay. 60 is what it's planned for now.  
8 And what did you say was the maximum?

9           A.     It's designed for up to 200 million  
10 standard cubic feet per day.

11          Q.     And how long could you do that?

12          A.     That we'll also have a better  
13 understanding of once we complete the modeling.

14          Q.     But I'm -- we must be talking decades or  
15 something to justify the --

16          A.     Yeah, that's --

17          Q.     -- you wouldn't be doing this for just a  
18 few years; correct?

19          A.     That's the anticipation is that we would  
20 be -- we would -- the facility would be adequate  
21 for many years of sequestration.

22                    COMMISSIONER CHRISTMANN:  Okay.  Thank  
23 you.  I have no other questions.

24                    THE WITNESS:  Thank you.

25                    JUDGE HOGAN:  Commissioner Kroshus.

**EXAMINATION**

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

**BY COMMISSIONER KROSHUS:**

Q. All right. Good morning. Well, I have, as you imagine, I have a number of curiosity questions as well. I'm going to try and rein it in to some things that might be a little more -- would be more applicable to what we have to look at, but I agree the information would be helpful in terms of some of the questions asked.

But just to clarify one thing so people who may be listening aren't under the wrong impression, the CO<sub>2</sub> that will be injected, that is a product of -- one of the products produced through the synthesizing of the coal into natural gas at DGC; is that correct?

A. Correct.

Q. So it's not from carbon capture equipment in terms of people may look at it in terms of from emissions. It's not produced from emissions; correct?

A. Correct.

Q. But through the chemical process itself?

A. Correct.

Q. And I think that's important. This is very unique in that -- from that standpoint because

1       there aren't many facilities in the country  
2       producing natural gas from coal. This -- DGC is  
3       unique in that respect, so it's a little different  
4       than capturing it from the stack and then injecting  
5       it. So am I on the right track?

6             A.    Yes, you are.

7             Q.    Okay. Just wanted to make sure I was  
8       talking about the right -- right things.

9                     Going to the pipeline itself, CO<sub>2</sub> is very  
10       corrosive; correct?

11            A.    Yes.

12            Q.    And you'll meet the PHMSA requirements as  
13       set forth by that entity; correct?

14            A.    Yes. That's correct.

15            Q.    What is the life span of the pipe?

16            A.    There is -- I guess we don't have a  
17       definite life span for it. It will be a very long  
18       time. We'll be doing regular inspections and  
19       upkeep on the -- on the pipeline. So it's not  
20       anticipated that we'll have any significant  
21       corrosion issues or anything like that. Also based  
22       on the operation of the existing pipeline -- CO<sub>2</sub>  
23       pipeline that's transporting the same quality gas,  
24       really don't expect to have much for corrosion  
25       issues there.

1 Q. So would it be fair to say that it's  
2 similar modeling to that existing infrastructure  
3 that's moving CO<sub>2</sub> to Canada?

4 A. Yes. That's correct. We used DGC's  
5 existing specifications for that line as -- as the  
6 baseline.

7 Q. And how long has that pipeline been in --  
8 in use?

9 A. I believe about 20 years, but Mr. O'Berry  
10 could confirm that.

11 Q. So it would be fair to say that you have  
12 extensive experience with --

13 A. Yes.

14 Q. -- with an existing CO<sub>2</sub> pipeline that's  
15 been in use for approximately two decades?

16 A. Yes.

17 Q. Okay. You had mentioned an existing  
18 utility corridor on some of the pipeline corridor;  
19 is that correct?

20 A. Yes.

21 Q. Are there other facilities within that  
22 existing utility corridor?

23 A. We have identified the rural water  
24 pipelines in the area, rural electric lines in the  
25 area. There's aboveground transmission facilities

1 in the area. We also have some raw water pipelines  
2 from -- from the lake to AVS through that corridor  
3 as well.

4 Q. Okay. So some of it would run parallel  
5 and then you also mentioned crossings which would  
6 be different?

7 A. Yes. Yes. We'd run parallel where we  
8 could and cross where we -- where we needed to to  
9 avoid any aboveground obstructions or terrain.

10 Q. Okay. And then one final question. At  
11 this point in time, you're targeting -- is it  
12 September 1 to begin construction, ideally?

13 A. The end -- the end of September.

14 Q. End of September. Do you have contractors  
15 in place to begin that work or are you still  
16 under --

17 A. We don't. We'll be actually issuing --  
18 issuing the project for bids likely next week.

19 Q. Okay. Well, I always like to put a plug  
20 in for regional labor and the folks closer to home,  
21 so I hope -- hope they're at the table and getting  
22 an opportunity -- it's not a requirement of the  
23 siting process although -- or part of statute --  
24 and that preference will be given to projects  
25 utilizing local labor, and I certainly like to see

1 that as well.

2 A. Yes.

3 Q. And they do a very good job.

4 COMMISSIONER KROSHUS: So no other  
5 questions. Thank you.

6 THE WITNESS: Thank you.

7 JUDGE HOGAN: All right. Ms. Jacobson, do  
8 you have any redirect?

9 MS. JACOBSON: No, Your Honor.

10 JUDGE HOGAN: Mr. Pelham? Mr. Schock, any  
11 other questions?

12 MR. PELHAM: No, Your Honor.

13 MR. SCHOCK: No, Your Honor.

14 JUDGE HOGAN: Any further commissioner  
15 questions. Mr. -- or Commissioner Christmann.

16 **FURTHER EXAMINATION**

17 **BY COMMISSIONER CHRISTMANN:**

18 Q. This would certainly be just a  
19 technicality, but we hate to have anybody get  
20 caught in a technicality. You said that you either  
21 had or are getting a waiver from Coteau for this  
22 being within 500 feet. Is it outside of 500 feet  
23 from Antelope Valley or -- I mean, I know it's  
24 Basin Electric too, but do you need one? Is that  
25 any way separate that you might need a waiver

1 there?

2 A. It's -- it's beyond 500 feet from the --  
3 from the buildings at Antelope Valley Station.

4 COMMISSIONER CHRISTMANN: Okay. Thank  
5 you.

6 JUDGE HOGAN: Commissioner Fedorchak.

7 **FURTHER EXAMINATION**

8 **BY COMMISSIONER FEDORCHAK:**

9 Q. You mentioned wanting to start  
10 construction end of September. Do you anticipate  
11 starting this project before you complete the well  
12 permits?

13 A. Yes.

14 Q. Okay. And if you don't get the well  
15 permits, just -- so you're pretty confident in  
16 these well permits?

17 A. Yes. Yes.

18 COMMISSIONER FEDORCHAK: Okay. All right.

19 JUDGE HOGAN: Commissioner Kroshus.

20 Are you done?

21 COMMISSIONER FEDORCHAK: I'm done.

22 JUDGE HOGAN: Okay. Commissioner Kroshus.

23 **FURTHER EXAMINATION**

24 **BY COMMISSIONER KROSHUS:**

25 Q. I did miss one question. I think it's

1 pretty easy, but I believe it's well site 1 that is  
2 an area currently being mined; is that correct?

3 A. Yeah. It's -- it's outside of active  
4 mining area but it's the closest to the active  
5 mining area.

6 Q. Any concerns with being able to inspect  
7 that portion of the line, the regular right-of-way  
8 inspections that would be required?

9 A. No, there should not be any issues with  
10 that.

11 Q. Okay. No conflict?

12 A. No.

13 COMMISSIONER KROSHUS: Okay. Thank you.

14 JUDGE HOGAN: All right. That's all the  
15 questions for you. Thank you.

16 THE WITNESS: Okay. Thank you.

17 Ms. Jacobson, do you want to call your  
18 next witness?

19 MS. JACOBSON: Thank you, Your Honor.  
20 Mr. Kevin Solie.

21 JUDGE HOGAN: Good morning, Mr. Solie.

22 MR. SOLIE: Good morning.

23 JUDGE HOGAN: Can I have you spell your  
24 last name for the record.

25 MR. SOLIE: Yes. S, as in Sam, o-l-i-e.



1           A.     Sure.  I've got three degrees from the  
2     University of North Dakota.  I've got a bachelor's  
3     in geology as well as a master of science in  
4     geology and a bachelor's in geological engineering.  
5     I've been working for Basin Electric since about  
6     2007, and I've worked on a number of infrastructure  
7     projects, including transmission lines, pipelines,  
8     wind farms and combustion turbines.  And if I'm  
9     counting right, I think this is the sixth PSC that  
10    I've testified at.

11                 Let's see.  I guess prior to my employment  
12    at Basin Electric, I worked for the North Dakota  
13    Department of Health, now the Department of  
14    Environmental Quality for about 16 years as an  
15    environmental scientist there.  I'm also a retired  
16    commissioned officer of the North Dakota Army  
17    National Guard.  And I'm a registered professional  
18    engineer in North Dakota and in Wyoming.

19           Q.     Thank you, Mr. Solie.  In your work at  
20    Basin Electric, have you come to work on  
21    DGC-related projects as well?

22           A.     Yes, I have.

23           Q.     What have been your responsibilities with  
24    this project?

25           A.     Well, really for the contents and

1 preparation of the application. Because of the  
2 short timeline on this one, we actually prepared  
3 the application in-house, which was a little bit  
4 unusual. Of course, we had help from a couple of  
5 consultants for cultural resources and some of the  
6 wildlife issues. And also, you know, there's  
7 certainly coordination between different groups  
8 within Basin Electric and DGC and with Coteau.

9 Q. What is the size of the corridor for the  
10 project?

11 A. Our corridor width is 200 feet.

12 Q. Can you please explain why it's  
13 appropriate for the Commission to approve that size  
14 of corridor?

15 A. Sure. We opted for a 200-foot -- or  
16 proposed a 200-foot corridor so it would allow for  
17 the possibility of a bit of kind of fine-tuning  
18 adjustment of the route as we moved forward. The  
19 permanent right-of-way is only 50 feet, so we have  
20 a little bit of latitude.

21 Q. What is the status of the SHPO  
22 concurrence?

23 A. The SHPO concurred on the 20th of May, I  
24 believe it is, and they found that the project  
25 would not affect any significant sites. And I

1 could add that the -- the SHPO concurrence letter  
2 is tab 5 in your hearing binder.

3 Q. Are there any other cultural resource  
4 issues with the proposed project?

5 A. There -- really none. There was one  
6 cultural -- one recorded cultural resource site  
7 that was located kind of adjacent to and maybe  
8 touching -- touching the corridor just a little  
9 bit. That cultural site had been previously  
10 mitigated. So that means that archeologists went  
11 out there, documented the site and, you know,  
12 recorded it, took pictures and the like, and then  
13 that -- after mitigation, then the site was removed  
14 due to surface mining.

15 Q. Does the proposed route contain any  
16 exclusion areas?

17 A. There are no exclusion areas.

18 Q. Does the proposed route contain any  
19 avoidance areas?

20 A. There are three potential -- or three  
21 avoidance areas. There are the two businesses that  
22 Mr. Schilke mentioned. DGC naturally because  
23 that's the origin of the pipeline, and we're --  
24 really depends on who measures, but right at about  
25 500 feet or just a little less with the Coteau

1 offices.

2 Q. And you heard the earlier testimony  
3 regarding the waivers for that. Can you please  
4 describe DGC's efforts to obtain those?

5 A. Right. Both DGC and Coteau have provided  
6 consents or waivers for the less than 500 feet  
7 criteria, and those are included as tabs 9 and 10  
8 in the hearing binder.

9 Q. Are there reasonable alternatives to not  
10 impact those avoidance areas?

11 A. Well, we're really very constrained by the  
12 existing infrastructure and it -- well, of course,  
13 we can't be farther away from DGC and, again, with  
14 the kind of routing that was done in close  
15 coordination with Coteau, you know, we kind of  
16 settled in on the route that we have.

17 Q. Can you discuss any comments received from  
18 the North Dakota Game and Fish on native grassland  
19 issues?

20 A. Sure. The Game and Fish sent kind of  
21 their standard letter and kind of recommended  
22 avoiding areas of native prairie to the extent  
23 practicable. And I think really for our project,  
24 since most of the area has been disturbed by  
25 surface mining and it's highly industrialized,

1 there are, you know, a big shop and a couple of  
2 industrial plants, there really isn't much native  
3 prairie to impact, frankly.

4 Q. Are there any geological unstable areas  
5 within the corridor or route?

6 A. There are none. We consulted the kind of  
7 recently published maps from the North Dakota  
8 Geological Survey published just in 2021, so they  
9 have a series of 1 to 24,000 scale landslide maps,  
10 and there are no landslides mapped, you know, in  
11 the corridor or even in the study area.

12 Q. Did DGC analyze other potential routes?

13 A. We analyzed, I think, variations on a  
14 theme. The route is very short. The location of  
15 the wells is set. The takeoff at DGC is set. So  
16 there weren't many alternatives. Again, as  
17 Mr. Schilke mentioned, the route was kept really as  
18 short as possible to avoid impacts. I will say  
19 that our route, again, was refined quite a bit, you  
20 know, over the period from when we sent out our --  
21 what I'd call the scoping letter to when we  
22 submitted our application.

23 And so the -- the folks working on the  
24 routing were able to avoid some wetlands, avoid  
25 some shelterbelts and the like to kind of optimize

1 the route.

2 Q. Did the environmental studies for the  
3 project address any concerns for threatened or  
4 endangered species?

5 A. Our consultant, Western EcoSystems  
6 Technologies, looked at all the different  
7 endangered species and North Dakota's species of  
8 concern, and there really are -- are no impacts or  
9 no concerns.

10 Q. To date have any state or federal agencies  
11 expressed concern with the project?

12 A. They have not.

13 Q. Are there any federally managed lands  
14 within the corridor?

15 A. There are no wildlife refuges, no  
16 grassland or wetland easements in the corridor.

17 Q. Did DGC obtain a conditional use permit  
18 from Mercer County for this project?

19 A. Yes. Yes, we did. We just recently last  
20 week received the conditional use permit from  
21 Mercer County on the 7th.

22 Q. Has DGC received all the permits needed to  
23 begin construction of the proposed project?

24 A. There would be a couple more for the  
25 pipeline, including a construction stormwater

1 permit, which kind of a prerequisite --  
2 prerequisite of that is the preparation of a  
3 SWPPP -- a SWPPP plan. And so typically Basin  
4 Electric would have the construction contractor  
5 prepare that because they would be managing kind of  
6 the situation on the ground.

7 There would also likely be another general  
8 permit from the DEQ. It would be for the discharge  
9 of hydrostatic testing water, which is typical.  
10 Mr. Schilke mentioned testing the pipeline. And  
11 then, you know, maybe the kind of odd kind of minor  
12 crossing permit from the county for crossing a  
13 road.

14 Q. Are you familiar with the North Dakota  
15 Industrial Commission's storage permit process?

16 A. I have studied it and it is new to all of  
17 us.

18 Q. Okay. Are you aware if there's any public  
19 hearing or public comment opportunities with that  
20 process?

21 A. Yes, there is. There is a public --  
22 public hearing required for the storage facility  
23 permit.

24 Q. What is the status of the wetland  
25 delineation report?

1           A.     Initially for the application, I think we  
2 identified nine areas that were potentially  
3 wetlands, and they were kind of based on old  
4 national wetland inventory mapping. And since most  
5 of the area has been disturbed by mining, most --  
6 most no longer exist. They'd all been kind of  
7 removed, mitigated.

8                     And just, I guess, within the last maybe  
9 three weeks here, we did get our report from --  
10 from West, and there were two areas that were  
11 identified in the field as actually being wetlands.  
12 One of them is just on the edge of our 200-foot  
13 corridor and it would not be impacted by  
14 construction. And then there is one that entirely  
15 crosses the corridor. I think it's in the  
16 northeast quarter of Section 11, and that one, as  
17 Mr. Schilke mentioned, would be -- would be bored  
18 and avoided.

19           Q.     What is the status of the tree and shrub  
20 inventory?

21           A.     There is -- again, preliminary desktop  
22 work has been done and in our application there are  
23 no areas of evergreen forest, wetland forest or --  
24 there are not many trees out there. And we are  
25 waiting on kind of the final -- final report from

1 West.

2 MS. JACOBSON: Thank you, Mr. Solie. No  
3 further questions.

4 JUDGE HOGAN: All right. Thank you.  
5 Mr. Pelham, do you have any questions?

6 MR. PELHAM: Yes.

7 **EXAMINATION**

8 **BY MR. PELHAM:**

9 Q. Good morning, Mr. Solie. Thanks for being  
10 here this morning.

11 As to the wetland delineation report, that  
12 wasn't part of the original application, was it?

13 A. It was not.

14 Q. Okay. And are there plans by DGC to  
15 provide a copy of the -- of the report?

16 A. We certainly could.

17 Q. Okay. Is it -- you indicated that -- I  
18 think in the last three weeks. Is it completed,  
19 it's done, the report?

20 A. Yeah, it's kind of a -- I guess what I  
21 would say a letter report. It's about three  
22 pages --

23 Q. Fair enough.

24 A. -- and some shapefiles.

25 Q. No issue with providing that to the

1 Commission?

2 A. None at all.

3 Q. All right. You testified, sir, about  
4 landslides not being in the area and prior studies  
5 having been consulted. Any consultation with the  
6 North Dakota Geology -- Geological Survey?

7 A. We did not send a consultation letter to  
8 the geological survey. They're frankly not on --  
9 on the list of agencies. But as I mentioned, I did  
10 consult their recently prepared maps from 2020 --  
11 2021, excuse me, and there are none present.

12 Q. Okay. Any -- I know you said you didn't  
13 send a letter. Any phone calls or any emails or  
14 anything like that between that agency and DGC?

15 A. No.

16 Q. Okay. In your prepared testimony as well  
17 as in your testimony today, sir, you testified that  
18 there would be use of the AC boring for one -- one  
19 area of the proposed line. Can you tell us a  
20 little bit more about what's planned, the length of  
21 that? If you're able, where that is specifically?

22 A. I can tell you where it is on the map. If  
23 we turn to tab 8, hearing map, in the hearing  
24 binder. The wetland actually is -- well, we could  
25 maybe go back to the application. But it's really

1 in the northeast quarter of Section 11, and if I  
2 could maybe use kind of our map key here, kind of  
3 roughly use -- in the C2 block. If you see the  
4 letters across the top, so roughly C2.

5 Q. And as far as the -- I understand it's  
6 been described as a small area. I mean, are you  
7 able to define what "small" is?

8 A. I haven't, you know, measured it, but I  
9 would -- you know, using any specific tool, but --

10 Q. Fair enough.

11 A. -- I would say it's about 400 feet.

12 Q. Fair enough. In your prepared testimony,  
13 impacts to trees would be minimal. Could you  
14 further explain what that impact would be.

15 A. Just really to shrubs because there are --  
16 are really no trees. Again, it's generally  
17 reclaimed mine land, and I don't think trees have  
18 really had a chance to -- to regrow. So there are  
19 some areas of shrubs that would be disrupted by the  
20 pipeline construction, and like I mentioned, we're  
21 waiting on that report from our consultant.

22 Q. Fair enough. And the company, as I  
23 understand, has filed as an exhibit the  
24 certification related to order provisions which  
25 includes the tree shrub mitigation plan?

1           A.    That's correct.  That's included at  
2 items -- tab 6.

3           Q.    Okay.  And I can't recall which  
4 commissioner asked, but there was a question, I  
5 think, that was deferred to you related to any --  
6 any issues with the existing line that DGC operates  
7 to Canada.  Are you able to further expound or  
8 explain that?  Any -- any issues with that line  
9 that the company has had?

10          A.    Regarding the safety or --

11          Q.    Right.  Regarding the safety, the  
12 operation, leaks, anything along those lines.

13          A.    I would -- I would defer to Mr. O'Berry on  
14 that.

15          Q.    Oh, I see.  I had misunderstood.  Or it's  
16 still too early.

17                    As to emergency response, that would be  
18 Mr. O'Berry, I believe.  Any need for a Section 10  
19 or 404 permit from the U.S. Army Corps of Engineers  
20 on this project?

21          A.    No, sir.

22          Q.    Consultation with the Fish and Wildlife  
23 Service, I believe there was mention of the  
24 suggestion to contact the Audubon Wetland  
25 Management District.  Do you know whether or not

1 that was done?

2 A. It was not. We, I guess, control all of  
3 the land and have good title to it, so we know  
4 there are no grassland or wetland easements on it.  
5 And that was the -- the recommendation to see if  
6 there were any --

7 Q. Sure.

8 A. -- service properties there.

9 Q. Aside from the agency response letters  
10 that have been included in the application as well  
11 as exhibits, any additional agency response letters  
12 that the company has received?

13 A. There have been none.

14 MR. PELHAM: Mr. Solie, thank you for your  
15 time. I don't have any other questions for you.  
16 Mr. Schock may have some questions for you, though.

17 MR. SCHOCK: I have none. You have been  
18 very thorough in your testimony. Thank you.

19 JUDGE HOGAN: Commissioner Fedorchak.

20 COMMISSIONER FEDORCHAK: Thank you.

21 **EXAMINATION**

22 **BY COMMISSIONER FEDORCHAK:**

23 Q. Mr. Solie, I just have one question. And  
24 that is Mr. Schilke talked a little bit about  
25 mining in the one area where there's still active

1 mining even -- and that this line shouldn't impact  
2 that. Can you provide a little more information  
3 about that?

4 A. Actually not. What I can say is that  
5 there's been close coordination with Coteau in the  
6 siting, the locating of the wells as well as the --  
7 the pipeline, and so I guess my assumption then is  
8 that it -- it, you know, certainly works for them.  
9 It's consistent with their plans.

10 Q. If you look at the hearing map -- and  
11 maybe this picture is from a while ago.

12 A. I think the air photo is dated.

13 Q. Okay.

14 A. Yeah. So the background is -- yes.

15 Q. The -- the ground doesn't look like it  
16 does in this photo anymore?

17 A. I don't believe so.

18 Q. Okay. Well, and I do see some Coteau  
19 folks here, so maybe they'll be stepping up later  
20 in the public comment part perhaps.

21 COMMISSIONER FEDORCHAK: All right.

22 That's it for me. Thank you.

23 JUDGE HOGAN: Commissioner Christmann.

24

25

**EXAMINATION**

**BY COMMISSIONER CHRISTMANN:**

1  
2  
3 Q. This first one I think you've clarified  
4 but I just wanted to make sure. In the application  
5 I was confused. It seemed like it was a little bit  
6 back and forth between whether SHPO had signed off  
7 on this and agreed that there is no significant  
8 impact, but then there was always this one  
9 mitigated site. And -- and so the May 20, I think  
10 you said, sign-off letter that included that --

11 A. Correct.

12 Q. -- site --

13 A. Correct.

14 Q. -- as well; right?

15 A. Yes. So there had been a bit of  
16 back-and-forth with the SHPO. You know, given that  
17 most of the land had been previously disturbed by  
18 mining, you know, kind of the thought was that not  
19 much of it would have to be surveyed for cultural  
20 resources because it had already been done and  
21 previously disturbed. So we started with the  
22 Class 1, kind of the literature search, and then  
23 based on that, our consultant, Metcalf, made a  
24 recommendation to the SHPO. The SHPO concurred  
25 that, you know, we would survey essentially

1 2.33 miles of the corridor, and some of it was kind  
2 of duplicate, but it was just kind of to keep it  
3 simple. So -- and to take another look at the --  
4 the site. It's, I think, 32ME299 is the site  
5 designation, so that was included in the  
6 correspondence in consultation with the SHPO. Yes.

7 Q. Okay. Then you had mentioned having the  
8 county conditional use permit, I think you said,  
9 last week and still needing the stormwater permit,  
10 but that would be prepared by the contractor?

11 A. That's correct.

12 Q. And I suppose I should know this being  
13 from here, but does -- do you need a separate  
14 permit from the County Weed Board?

15 A. Not to my knowledge, no.

16 Q. That's covered by the County Commission?

17 A. Correct. We went through planning and  
18 zoning on June 17. There were questions and  
19 answers regarding reclamation. And then, again, on  
20 the Commission hearing on the 7th.

21 Q. Okay. So related to that -- I'm on  
22 page 23 of the application. It really concerned me  
23 especially because this runs parallel to a road.  
24 "Vegetative maintenance could not be conducted more  
25 frequently than every three years, with the

1       exception of a ten-foot wide corridor."

2                   Is -- is that what this means? I don't  
3       think the county is -- or anyone else is going to  
4       really like having tall grasses and stuff growing  
5       there year after year. As you said, it's not  
6       really an area where there's a lot of wildlife for  
7       that tall growth, and I do not understand that  
8       concept. I look at that and what I see is ten  
9       years from now a bunch of Canada thistle.

10           A.     Sure. Right. And I think the  
11       consideration, when we were preparing the  
12       application there, is there are always concerns in  
13       grassland areas about migratory birds and nesting  
14       birds and so you have to kind of time your mowing,  
15       but I think -- and I can maybe, again, defer to  
16       Mr. O'Berry regarding maintenance of the  
17       right-of-way, if it could be done more often.

18           Q.     Because, I mean, there's even requirements  
19       that landowners keep the ditches mowed.

20           A.     Right. Well, and the other thing that, I  
21       guess, I could add is that after construction,  
22       the -- the land will go back to its existing use  
23       and I think there are, again, according to the --  
24       our application and the GIS data, there were --  
25       about 17 percent I think is actually cultivated

1 field, so those will go back to being fields. The  
2 pastureland will go back to being pastureland.

3 Q. Okay. And I thought I had one more. Oh,  
4 just usually in pipeline cases we discuss this and  
5 I didn't see anything in the application. Is Basin  
6 committed to making sure that the contractors clean  
7 equipment if they -- when they come in and then if  
8 they do cross any noxious weed areas or anything  
9 like that to avoid spread?

10 A. I'd -- I'd have to defer to Mr. Schilke  
11 who handles the contracting, but I -- you know, I  
12 would expect that that's -- that's kind of standard  
13 practice.

14 Q. Okay.

15 A. And it could be written into the contract.

16 COMMISSIONER CHRISTMANN: Thank you. No  
17 other questions.

18 JUDGE HOGAN: Commissioner Kroshus.

19 **EXAMINATION**

20 **BY COMMISSIONER KROSHUS:**

21 Q. Can you clarify -- because I may have  
22 written it down wrong and the application is pretty  
23 clear, but the survey and construction corridor  
24 200 feet, temporary right-of-way 75, and permanent  
25 at 50?

1           A.     That's correct.

2           Q.     Just to make sure I heard that correctly.

3                     I want to say thank you for your service.  
4     Greatly appreciate it, as well as any other  
5     veterans in the room.

6           A.     Glad to do my part.

7           Q.     And then final question, this is a tough  
8     one, you said this is your sixth hearing so you're  
9     counting. Is that a good thing or is that a bad  
10    thing.

11          A.     I was just -- just a curiosity, I guess.

12          Q.     Is it akin to another tour of duty or is  
13    it --

14          A.     No, it's -- no.

15                    COMMISSIONER KROSHUS: All right. Thank  
16    you. No other questions.

17                    JUDGE HOGAN: Ms. Jacobson, did you have  
18    any redirect?

19                    MS. JACOBSON: No, Your Honor.

20                    JUDGE HOGAN: Mr. Pelham or Mr. Schock,  
21    any other questions?

22                    MR. PELHAM: No, Your Honor.

23                    MR. SCHOCK: No, Your Honor.

24                    JUDGE HOGAN: Any other Commission  
25    questions? All right. That's all the questions

1 for you, Mr. Solie. I think we'll take a short  
2 break. It's, according to my watch, 9:49. Let's  
3 reconvene at 10 o'clock.

4 (Recessed at 9:50 a.m. and reconvened at  
5 10:02 a.m.)

6 JUDGE HOGAN: All right. We are back on  
7 the record and we're going to get started again.  
8 It's 10:02 a.m.

9 Ms. Jacobson, do you want to call your  
10 next witness?

11 MS. JACOBSON: Thank you, Your Honor.  
12 Mr. Claude O'Berry.

13 JUDGE HOGAN: Good morning, Mr. O'Berry.

14 MR. O'BERRY: Morning.

15 JUDGE HOGAN: Can you spell your name for  
16 the record, please.

17 MR. O'BERRY: Claude O'Berry, last name O,  
18 apostrophe, B-e-r-r-y.

19 JUDGE HOGAN: And you were in the room  
20 earlier this morning. Did you hear me go through  
21 the penalties for perjury in the state of North  
22 Dakota.

23 MR. O'BERRY: Yes, I did.

24 JUDGE HOGAN: Do you understand what  
25 perjury is?

1 MR. O'BERRY: Yes.

2 (Witness sworn.)

3 JUDGE HOGAN: Thank you. Go ahead,  
4 Ms. Jacobson.

5 MS. JACOBSON: Thank you, Your Honor.

6 **CLAUDE O'BERRY,**

7 being first duly sworn, was examined and testified  
8 as follows:

9 **EXAMINATION**

10 **BY MS. JACOBSON:**

11 Q. What is your name, business address and  
12 occupation?

13 A. My name is Claude O'Berry. I'm the  
14 pipeline superintendent working with Dakota  
15 Gasification Company. Address is 420 County Road  
16 26, Beulah, North Dakota.

17 Q. And what is your employment history?

18 A. I've been working with DGC for 38 years.  
19 Of that 38 years, the last 25 have been in a  
20 managerial position, as the pipeline superintendent  
21 since -- for the last 9 years. In 2018 I took over  
22 the role as -- also as a protection services  
23 superintendent.

24 Q. Were you involved in the commissioning of  
25 the startup of DGC's current CO<sub>2</sub> pipeline?

1           A.     Yes.   At 205 miles going up into Canada, I  
2 supervised the commissioning and startup of that  
3 line.   Operated it.   And also two natural gas  
4 projects as well.

5           Q.     What have been your responsibilities in  
6 connection with the proposed project?

7           A.     I've been working in an advisory role  
8 during the design and the construction until the  
9 commissioning starts.

10          Q.     And can you describe how you will maintain  
11 the proposed project?

12          A.     Yeah.   We will incorporate the same  
13 maintenance program that we've been using on our  
14 existing CO<sub>2</sub> pipeline.   26 times a year in two-week  
15 intervals we do a right-of-way inspection, which we  
16 are looking for erosion, leaks, ground disturbance  
17 and any new construction within our right-of-way.

18                 Twice a year we exercise and lubricate all  
19 our emergency valves to make sure they're working  
20 properly.

21                 In order to control the -- or our  
22 corrosion control program, every three years we  
23 inspect all the aboveground piping and equipment,  
24 check for atmospheric corrosion.   Annually we test  
25 our cathodic protection program which monitors the

1 coating of our underground piping so we can get  
2 ahead if there are any issues with the coating.  
3 Every five years we will run an MFL tool or a smart  
4 pig, which we check for metal loss, diameter flaws  
5 or internal and external metal loss.

6 Q. Can you describe the health risk to people  
7 in the vicinity of the pipeline?

8 A. Yes. In the unlikely event of a  
9 significant release, the health risk would be  
10 asphyxiation from the CO<sub>2</sub> and poisoning by the H<sub>2</sub>S.

11 Q. Since DGC's current CO<sub>2</sub> pipeline has become  
12 fully operational -- operational, have you had any  
13 recordable releases of CO<sub>2</sub>?

14 A. No.

15 Q. And can you describe DGC's pipeline  
16 emergency response and safety program?

17 A. So we have a written emergency response  
18 plan that would deal with the event of a pipeline  
19 emergency. We use the incident command system  
20 which is nationally recognized and used by all  
21 first responders in the country.

22 Our shift superintendent that's on shift  
23 would be the incident commander. He would set up  
24 his command center and a protection service control  
25 center.

1           We also have a fully equipped ambulance,  
2 fire department, hazmat response trailer, and my  
3 protection services staff, they're all certified  
4 EMTs, which means they can provide medical first  
5 aid and medical transport.

6           Our fire brigade, they're all trained in  
7 industrial firefighting, high-angle rescue, and  
8 also they're hazmat technician level trained.

9           We also have a reverse 911 system where we  
10 enter all the names and numbers of every -- of all  
11 the businesses and residents within a mile of our  
12 pipeline, and if there was an event, we'd be able  
13 to launch out phone calls to all the residents in  
14 that area, 25 calls a minute -- or at a time go out  
15 and they need to make a response. We would give  
16 them the information, instructions on the emergency  
17 and what would need to be done, be it a shelter in  
18 place or evacuation, whatever that would be.

19           We're also as a company a member of the  
20 North Dakota Pipeline Association, which is an  
21 organization comprised of North Dakota pipeline  
22 companies who are dedicated to the safety of  
23 pipeline -- safety of the pipeline. And what we do  
24 is we provide information to excavators, residents,  
25 visitors, emergency responders and public officials

1 and give them information about the pipelines. And  
2 I personally have staff that conducts several of  
3 these meetings in towns close to the -- close to  
4 our pipeline area.

5 We also provide specific training to local  
6 first responders, be it fire departments, about our  
7 emergency plan specific to CO<sub>2</sub> or the natural gas  
8 pipeline. Get them -- let them know the hazards of  
9 it and how we would work together in case there was  
10 an emergency.

11 And we would incorporate this pipeline  
12 into our whole training program probably within a  
13 year.

14 Q. So earlier you talked about the health  
15 risks of people -- to people in the area of the  
16 pipeline. Can you talk about how you're mitigating  
17 that risk, especially as it relates to third  
18 parties that may be working in and around the  
19 pipeline?

20 A. Sure. Actually, the most common cause of  
21 leaks or explosions on a gas pipeline is a  
22 third-party excavation. So what we do, all our  
23 pipelines are registered within the North Dakota  
24 One Call system, which means that any work within a  
25 2,500-foot corridor of our pipeline, we'll get

1 notified of the company that's working in that  
2 area, any jobs that they're doing so we can reach  
3 out to them and we can discuss where our pipeline  
4 is in relation to their work that they're going to  
5 do.

6 If there's an actual crossing or any  
7 construction within our 50-foot right-of-way, I  
8 have staff that are there the whole time that the  
9 work is going on just to protect our -- protect our  
10 pipeline.

11 Also, the design of this new pipeline has  
12 got the similar design as our original one which is  
13 a computer-based LDS system, or leak detection  
14 system, which will be monitored 24 hours a day by  
15 our control room, and they would be able to -- if  
16 there was -- if there was an alarm or they sensed  
17 there was a leak, they would be able to remotely  
18 close all the valves within that area.

19 Q. Mr. O'Berry, earlier today there were some  
20 questions from the commissioners and previous  
21 testimony about how the right-of-way is maintained,  
22 how weeds are taken care of. Can -- since you are  
23 the pipeline superintendent, can you address that,  
24 please?

25 A. Yeah. Like I said, you know, we monitor

1 the pipeline, the right-of-way every two weeks.  
2 But after original construction, it is our goal to  
3 return all that topsoil to the original state. And  
4 I have -- on our staff we have licensed pesticide  
5 holders, certificate holders, so they'll go out and  
6 they can spray for any noxious weeds that will show  
7 up within that right-of-way. We would -- you know,  
8 landowners would request it at times or we would --  
9 part of like this section here, since it's our  
10 property, Coteau's property, we would maintain it  
11 just like we do all the rest.

12 MS. JACOBSON: Thank you. No further  
13 questions.

14 JUDGE HOGAN: Mr. Pelham, any questions.

15 **EXAMINATION**

16 **BY MR. PELHAM:**

17 Q. Good morning, Mr. O'Berry, I think I have  
18 a couple questions, but Ms. Jacobson has done a  
19 good job of asking you most of my questions.

20 Could you just go into a little bit more  
21 detail about this electronic leak detection system  
22 that's in place?

23 A. Sure. It's -- like I say, it's computer  
24 based, but what it's measuring, it's measuring the  
25 flow going into the pipe and the flow coming out of

1 the pipe and pressure points within there. So it's  
2 going to monitor -- if it senses it -- it's like 2  
3 or 3 percent difference of what's going in and  
4 what's coming out, it'll sense if there's something  
5 wrong. Five minutes you'll get an alarm, and then  
6 during that time it'll keep calculating, and then  
7 you'll get a 10-minute alarm, 30-minute alarm. The  
8 longer it goes, the more pinpoint it can get. I  
9 mean it can get within feet of where that leak is  
10 actually at.

11 Q. And that's all coming up on -- in the  
12 control room? Is it on a monitor? Is it lights,  
13 alarms? What's going on?

14 A. Yeah. We have a separate -- the control  
15 room operator has a separate screen dedicated just  
16 to the LDS system so they can monitor the flows and  
17 the pressures at all times.

18 Q. And approximately how many people are in  
19 the control room at any given time? Does it vary  
20 or is it standard?

21 A. Yeah, they have two -- two operators on  
22 the control room 24 hours a day.

23 Q. And then remotely activated valves can be  
24 closed at that time by the control room personnel?

25 A. Yes, sir.

1 Q. And in the event that that fails, what's  
2 the plan then at that point? Is there someone that  
3 goes out to physically close the valves?

4 A. Yeah, I got my pipeline staff on day  
5 shift, and then we train that group on night shift  
6 to where the areas are at, what they would need to  
7 do. That's all part of our operator qualification  
8 program.

9 Q. Does DGC anticipate hiring any additional  
10 employees for this particular project?

11 A. At this time I'm not aware of any.  
12 There -- it's not really labor intensive once we  
13 get it in service.

14 Q. Fair enough. And then I believe you  
15 testified as to training. Can you -- can you just  
16 elaborate on -- on the training that personnel  
17 emergency responders would receive for this  
18 proposed project?

19 A. Okay. We would get with the fire  
20 department, Mercer County ambulance, show them  
21 where the route is at. Let them know that, okay,  
22 if there's an issue here, here's what we would do  
23 as a company and if we would need your  
24 assistance -- since this line is so close to the  
25 plant, we would probably more than likely handle

1 any emergencies within that. You know, we've got  
2 205-mile line that goes up into Canada, so I've got  
3 contracts with like Crosby Fire Department, Tioga  
4 Fire Department to help assist if we do have any  
5 problems. We do individual training with our  
6 procedures and we go over that.

7 Q. And if you could just talk in general  
8 terms, if you can, as to how often that sort of  
9 local training is done specific. As to this  
10 project, how often do you anticipate that local  
11 training being done?

12 A. We do the training annual, and then we  
13 also have a public awareness program where we're  
14 always doing mail-outs and brochures for everybody  
15 that lives within our pipeline corridor just to  
16 make them aware of the pipeline, and we share the  
17 Call Before You Dig program with them as well.

18 MR. PELHAM: Thank you, Mr. O'Berry. I  
19 don't have any other questions for you. Mr. Schock  
20 may.

21 MR. SCHOCK: Just a few.

22 **EXAMINATION**

23 **BY MR. SCHOCK:**

24 Q. Morning.

25 A. Morning.

1           Q.     So how does CO<sub>2</sub> work?  So if it leaks or  
2 escapes, is it heavier than air or lighter than  
3 air?  Can a --

4           A.     Yeah, good question.  Yes, CO<sub>2</sub> is actually  
5 heavier than air, so it's going to linger in the  
6 low-lying areas.  At atmospheric pressure, the CO<sub>2</sub>  
7 will eventually turn to dry ice because it'll get  
8 cold.  And that's what -- carbon dioxide is  
9 actually dry ice, you know, at a certain  
10 temperature or pressure, which is atmospheric  
11 pressure.

12                     So what would happen would be if we was to  
13 have a leak, the first indication would probably be  
14 frost on top of the grass and then you might see a  
15 vapor coming out.  And then eventually when it gets  
16 down to 700 pounds, it's just going to seal up and  
17 turn to a block of ice in the pipe.

18           Q.     Oh, wow.  Okay.  700 psi?

19           A.     Yes, sir.  So we run the line at 27, 28  
20 hundred pounds.  So we get down to that -- that's  
21 called a critical phase.  It'll turn from a gas to  
22 a liquid.

23           Q.     Sure.  So then does that cause damage if  
24 it -- if it goes down to that level?

25           A.     Not necessarily.  It's not like the same

1 as freezing water where it expands, you know, so  
2 much. It doesn't expand any. It'll just sit in  
3 there.

4 Q. Okay. Okay. And have you ever had any  
5 leaks on the existing CO<sub>2</sub> line?

6 A. Since we've been in operation, no, we've  
7 had no significant leaks.

8 Q. Okay. And then you talked about the --  
9 the 26 times per year, two-week inspections that  
10 are -- that would be done of the line. Are those  
11 done on foot, aerial? Kind of how are those --

12 A. Aerial. We utilize Basin's airplane, so  
13 every two -- two weeks we fly it. Yes, sir.

14 Q. And what altitude is that?

15 A. They try and -- 6, 7 hundred feet. I like  
16 to keep them low enough so they can look at our  
17 signs and notify any -- you know, see any kind of  
18 damage. And if they notice anything, they'll call  
19 back to the plant and we'll -- we'll send out a  
20 technician out to that area to see what it looks  
21 like for sure, so --

22 Q. Okay. And that's just the pilot and I'm  
23 assuming and an assistant that's in the plane with  
24 him to actually do the --

25 A. The pilot is just flying it along -- we've

1 got it on a GPS. He's flying along the corridor,  
2 and I've got an operator up there that's watching  
3 the whole time.

4 Q. Okay. And then is there any, like, video  
5 taken during that flight as well or is it -- it's  
6 just what they can see?

7 A. Just what they see at the time, yeah.

8 MR. SCHOCK: That's all the questions.  
9 Thank you.

10 JUDGE HOGAN: Commissioner Fedorchak.

11 COMMISSIONER FEDORCHAK: Yeah.

12 **EXAMINATION**

13 **BY COMMISSIONER FEDORCHAK:**

14 Q. Thank you, Mr. O'Berry. You mentioned  
15 that it will basically frost the grass or whatever,  
16 but what happens -- what's your sign of leak in the  
17 summer when it's --

18 A. Same thing. It would frost because the  
19 temperature is that much colder than the  
20 atmosphere. It would freeze the humidity in the  
21 atmosphere.

22 Q. How long --

23 A. You would see frost.

24 Q. -- will it stay, though? I mean, if it's  
25 a hundred degrees outside, it's not going to stay.

1           A.     You would see either the frost or you  
2 would see a vapor because it's turned to -- it's  
3 turned to a gas, you know, the cold -- it's cold.

4           Q.     Okay.  So -- and that vapor would be kind  
5 of constant as long as there was a leak?

6           A.     Yes.  Yep.

7           Q.     Okay.  What about a slow leak?  Is that --  
8 does that present a danger, a slow -- a slow leak  
9 that maybe was less detectable?

10          A.     The range of -- that it could be dangerous  
11 would be a lot smaller because the leak is smaller.  
12 See, originally we did a dispersion model on our  
13 pipeline, so if there was going to be a leak and it  
14 was a significant leak, you know, we had it  
15 measured out to 1,900 feet would be a danger zone  
16 for full -- full release.

17          Q.     Okay.

18          A.     Okay.  So we made our corridor a mile on  
19 either side so that we would cover everything.  But  
20 the smaller the leak, the less exposure there would  
21 be.

22          Q.     Okay.

23          A.     That's about the best I could put it.

24          Q.     Is it a lot harder to detect, though?

25          A.     Our leak detection system is incredibly

1 sensitive. We tested it when we first put our line  
2 in service 20 years ago. I was up in Tioga and I  
3 opened up the valve to a flare system, and within  
4 30 seconds they got the alarm that there was  
5 something going on. And I didn't have a -- there  
6 was very little flow at that time. So it is very  
7 sensitive. It'll pick up anything, most anything.

8 Q. Okay. How close is the nearest residence  
9 or residences to the line and are there some within  
10 the mile setback of -- or did you say mile on  
11 either side of the line?

12 A. We have a couple residences within a mile  
13 of our existing pipeline right now. Our existing  
14 pipeline runs and then it turns west, and the new  
15 line's going to keep going to the north. So those  
16 people are within our programs. They're notified,  
17 you know, and they're aware of our pipeline, and we  
18 will inform them of the new pipeline. There's no  
19 residence within the new right-of-way, just the  
20 building and office building of Coteau.

21 Q. Right. But within the mile -- is there  
22 residences within the mile of the new pipeline?

23 A. I don't believe so, but we haven't looked  
24 at that yet. You know, we will -- when we go in  
25 and incorporate the program, then we'll -- once we

1 get the line in, then we'll start looking at what  
2 we have in the area.

3 Q. Okay. And then do you know what the  
4 near -- or could you get to us what the nearest  
5 residence is to this line or a map that's showing  
6 the nearest residences? The -- the ones I'm seeing  
7 are either too close or too far away to be able to  
8 identify where actual inhabited residences would  
9 be.

10 A. Okay. So are you asking me if I'd be able  
11 to provide you that?

12 Q. Yeah.

13 A. Yes, I could.

14 Q. Okay. And then what will the company be  
15 doing to -- to reach out to those folks once you  
16 identify them?

17 A. Yeah, we have a -- we have a program where  
18 we would go out to them, meet them personally, take  
19 down some information, contact information, how  
20 many people live in the residence so that we would  
21 know that -- if there was an emergency, we would  
22 know ahead of time where the people live, who lives  
23 there, if they needed special assistance especially  
24 to evacuate or whatever the case may be.

25 Q. Okay.

1           A.     I have a company on contract that every  
2 year we do that along our whole pipeline, all the  
3 way up to Canada. They go out and they update all  
4 our information for the residents we have, and then  
5 at the same time they look for any new -- they go  
6 around to all the counties, get new building  
7 permits to find out if there's new houses possibly  
8 in our area, so we keep track of it that way.

9           Q.     Okay. Good. Let's see. Is there an  
10 emergency response plan required for the wells  
11 themselves? Is there a whole different type of  
12 emergency oversight and response system for wells  
13 or not?

14          A.     I'm not aware of any. We do have two deep  
15 wells on plant site that we've never had any  
16 problems with. Once you isolate the flow going in,  
17 you're constantly monitoring the well. The -- it's  
18 called an annular space in the -- in the wellhead  
19 pressure, so you're constantly monitoring that.  
20 And as those pressures get closer, that tells you  
21 you've got a leak someplace within the well, and  
22 then you can isolate it and make repairs.

23          Q.     I see. And then where -- where did you  
24 say your operation center is? Is it right at DGC?

25          A.     Yes, it's at the plant site.

1 Q. And how many people did you have there,  
2 employees?

3 A. In my department --

4 Q. No.

5 A. -- or total --

6 Q. Manning the operations center.

7 A. Oh, we have -- well, two control room  
8 operators and two field operators in the control  
9 room. So there would be four total around the  
10 clock. And then I have four pipeline technicians  
11 myself.

12 Q. Okay. So tell me about the squad that  
13 mans that 24-hour center. Is there eight people,  
14 like two -- two sets of the four, or how do you --

15 A. Oh, okay. I'm sorry. There would be two  
16 on the control room, control center, control boards  
17 watching, and then they've got two field techs --

18 Q. Okay.

19 A. -- that would take care of -- and in the  
20 off hours, if there was an issue that they had to  
21 block something in or they will block things in,  
22 those two would go out and take a look at --  
23 physically out in the field. And they would call  
24 in our plant staff as well to help out.

25 Q. Okay. Then how many people do you have

1 rotating through the operation center to keep it  
2 24 hours? How many staff total?

3 A. Okay. We've got four shifts, so there  
4 would be 16 people --

5 Q. I see.

6 A. -- plus supervisor on each shift.

7 Q. Got it.

8 A. And then also we have our protection  
9 services group and our fire brigade. They're all  
10 trained in responding to any emergencies too. So  
11 they would be able to go out to that well site and  
12 block it in if it needed to be.

13 Q. Okay. Oh, shoot, I just had another quick  
14 question. Four shifts. Oh, how many -- how many  
15 pipelines do they monitor? I mean, this is, you  
16 know, in addition to the -- this new CO<sub>2</sub> line and  
17 the old one. What other lines --

18 A. Okay.

19 Q. -- do they monitor?

20 A. We have our CO<sub>2</sub> line going into Canada. We  
21 have our natural gas line that goes down to Hebron,  
22 which is 36 miles. And then we had recently added  
23 another natural gas pipeline going over to AVS.

24 Q. Okay.

25 A. So it would be those three pipelines that

1 they constantly monitor.

2 COMMISSIONER FEDORCHAK: Very good. I  
3 think that's it for me. Thank you.

4 JUDGE HOGAN: Commissioner Christmann.

5 **EXAMINATION**

6 **BY COMMISSIONER CHRISTMANN:**

7 Q. Is this steel -- is it the same kind of  
8 steel as what we see on oil pipelines. Or is it  
9 some kind of special --

10 A. It's a special grade, but it is carbon  
11 steel. I mean, it's -- our -- I don't know the  
12 thicknesses of a wellhead or all the oilfield  
13 stuff, but ours at the maximum is half-inch-pipe  
14 wall thickness.

15 Q. And -- and so how do we avoid the  
16 corrosiveness -- we always hear of the  
17 corrosiveness --

18 A. Yeah.

19 Q. -- regarding CO<sub>2</sub>, or is -- is that the  
20 stuff they use in the capture process and so once  
21 it's in the pipeline that's not an issue?

22 A. Yeah. CO<sub>2</sub> in itself is not corrosive in  
23 the right elements. If you add water, then you  
24 would have carbonic acid. Well, our CO<sub>2</sub> is -- is  
25 dry, I mean really dry. We've been running it up

1       into Canada for 21 years now, and we had some  
2       corrosion coupons inserted into the pipe, and every  
3       six months we check these corrosion coupons, and  
4       that would tell you if you had any -- kind of like  
5       in your water tank, how you have those that tell  
6       you if you've got corrosion on the inside, we've  
7       never experienced any corrosion markings at all on  
8       any of our corrosion coupons. But at the same time  
9       we run pigs to check for wall thickness.

10               And then part of our -- we have -- our  
11       line is cathodically protected as well as has a  
12       fusion bond, an epoxy on the outside of the pipe to  
13       keep it away from the ground, because the ground is  
14       a negative -- you know, negative and the pipe's  
15       going to try and -- positive is going to try and  
16       send electricity down to the -- so if you had any  
17       bare pipe, it takes the metal with it and that's  
18       how you get thin-walled pipe.

19               So if you put a coating on it and then you  
20       put this cathodic protection, which is adding  
21       electricity to it, changing the -- the properties  
22       of the pipe, now everything goes towards the pipe  
23       and you don't have that corrosion.

24               Q.     Thank you for explaining that.

25               A.     That's kind of deep. I'm sorry.

1 Q. No, we've been --

2 A. This is my life.

3 Q. -- talking about cathodic protection of  
4 pipelines for a long time and we have engineers and  
5 people that understand it, and --

6 A. Yeah.

7 Q. -- that's the best explanation I've heard  
8 of it.

9 A. That's how you keep pipes in the ground  
10 for 50 years. You know, it's -- cathodic  
11 protection is really something, and then the  
12 coating that you have on there. And you constantly  
13 monitor it. If there's ever a nick in the coating  
14 and we know about it, we'll go in and we'll repair  
15 the -- we'll repair the coating.

16 Q. Thank you. And then the last thing, and  
17 Kevin pretty well explained it, but this concern  
18 that I had about not doing vegetative maintenance,  
19 so you said that a lot of it would be grazed or  
20 farmed or something anyway so it is done, but are  
21 there going to be areas near the road where it is  
22 let grow -- and you had indicated that you have  
23 spraying people and so the noxious weeds part is  
24 still out, but I still do have the last remaining  
25 concern about just excessive long growth that ends

1 up capturing snow and being a problem for traffic  
2 on it --

3 A. Well, I think the ditches --

4 Q. -- on years when we actually get snow.

5 A. Yeah. Well, I think the ditches are  
6 maintained by the county or something. We don't --  
7 you know, we're away -- well away from the ditches.

8 Q. Is this that far away?

9 A. Yeah, we're far enough away from them.  
10 We're not in -- within the county's right-of-way.  
11 We're off of that. So we'll maintain our own  
12 right-of-way, but we'll -- like I said, we watch  
13 for noxious weeds and any type of growth like that,  
14 but --

15 COMMISSIONER CHRISTMANN: Okay. Very  
16 good. Thank you.

17 THE WITNESS: Yep.

18 JUDGE HOGAN: Commissioner Kroshus.

19 **EXAMINATION**

20 **BY COMMISSIONER KROSHUS:**

21 Q. Good morning, Mr. O'Berry.

22 A. Morning.

23 Q. Earlier I had asked the first witness  
24 about -- I think I had phrased it as two decades,  
25 you had said 21 years, so approximately two decades

1 of experience with the existing CO<sub>2</sub> pipeline. Were  
2 there any modifications to the design of this  
3 pipeline as a result of lessons learned or just  
4 having 20-plus years or 21 years of experience?

5 A. I can't really think of anything major  
6 that we had changed. Our line's been pretty -- no  
7 problems, you know, running up into Canada. One of  
8 the few things would be our main line pressure is  
9 going to be from the plant to the well, the first  
10 well. After that we're going to branch off and  
11 we're going to be able to take those lines out of  
12 service, so that makes our pigging operation a  
13 whole lot easier than it is if it was all full of  
14 pressure. But other than that, there's really --  
15 we don't have any -- I like to keep -- I've  
16 learned, you know, the less pipe you can have  
17 underground, you can monitor it. So as much pipe  
18 as we can we keep -- we've got it aboveground on  
19 plant site because aboveground -- I don't like to  
20 bury small -- small 1- or 2-inch valves because  
21 they have a more likely chance of failure. So any  
22 small bore piping we always have aboveground now.  
23 That would be probably the major thing we've  
24 changed.

25 Q. Okay. So in the whole scheme of things,

1 nothing terribly significant?

2 A. No.

3 Q. Which would serve as a testament to the  
4 integrity of the existing CO<sub>2</sub> line.

5 A. Yeah.

6 Q. You had mentioned -- how often do you --  
7 what are the intervals again on -- and I know it's  
8 in the application -- but the smart pig inspection?

9 A. We do that every -- minimum of every five  
10 years, five to five and a half years.

11 Q. Seems like a long time. Do you think  
12 that's -- that's frequent enough?

13 A. It is if you have no issues. If we was to  
14 run a pig and all of a sudden we come across some  
15 corrosion someplace, we would evaluate what the  
16 corrosion source is, and if it's something we need  
17 to monitor more often, we would pig more often.  
18 Yes.

19 Q. What are the physical symptoms for an  
20 individual who is in proximity to a leak?

21 A. H<sub>2</sub>S would cause headaches, dizziness and  
22 depending on the -- the amount of exposure.

23 Q. Okay. And then going back to that, that's  
24 a part of the training with local emergency  
25 response as well because --

1           A.    Yeah.

2           Q.    -- they would be integrated into the  
3 response plan, as I believe you mentioned?

4           A.    Yes.

5           Q.    They would show up on-site as well?

6           A.    Yeah.  That's part of to protect  
7 themselves and the -- and the people that were  
8 going out to -- you know, during the emergency.  We  
9 go through all the health hazards and how to -- how  
10 you would deal with those specific incidents or  
11 health effects.

12          Q.    And did you say once a year you do -- you  
13 have the training exercise as a refresher to those  
14 individuals, those entities?

15          A.    Yeah, we do -- once a year we do annual  
16 training with all the first responders.  Any public  
17 is invited to come to it, public officials.  
18 Anybody that works around the pipeline, we'll --  
19 and then we do more specific about once a year or  
20 maybe every two years with the local -- you know,  
21 like say Tioga or whatever, the closer to our --  
22 the ones that are more involved directly with our  
23 pipeline, to be more specific.  Because the one  
24 training is kind of broad as far as pipeline  
25 safety.

1 Q. I see. Okay. Does that include a mock  
2 drill?

3 A. Yes. We've done several, several mock  
4 drills. We do one per shift on our fire brigade,  
5 and then we've done several like for the whole  
6 plant, if we had a major leak at the plant. We've  
7 done a lot of mock drills like that, yes.

8 Q. Does that include evacuating the plant?

9 A. Yes, we have.

10 Q. Okay. So the individuals monitoring the  
11 pipeline, so they're within the plant. How do they  
12 continue to watch whatever release might be  
13 occurring and monitoring if the plant's been  
14 evacuated?

15 A. Our control rooms are all -- they're  
16 explosion proof, and then also we provide fresh air  
17 in the event if they had to stay there and operate  
18 or watch something, or we have alternate control  
19 centers around the plant where they could move to  
20 to stay out of the path of, say, if there was a  
21 release.

22 Q. Okay.

23 A. So we would do one of the two things.

24 Q. All right. So they're essentially in  
25 lockdown but in a safe environment?

1           A.     In a safe environment, yes.

2           Q.     Okay.  What is the evacuation corridor?  
3     Again, did you -- I believe you said you work with  
4     any residence within a mile.  In this case there  
5     isn't a residence, I believe, within a mile.

6           A.     Right.

7           Q.     But what is the evacuation corridor in  
8     event of a release?

9           A.     We would go out to that mile and we would  
10    evaluate where the people -- you know, where the  
11    people are living.  And let's say if there is a  
12    west wind and then the people on the west side of  
13    the pipeline at that time are okay, we might give  
14    them a notification that there's a pipeline  
15    emergency, you know, stay at your residence for the  
16    time being, and we would evacuate the people  
17    downwind of the release.

18          Q.     Okay.  And then even in the event of a  
19    large release, did you -- I might have written this  
20    down wrong -- did you say 1,900 feet would be the  
21    point where it's safely diluted regardless of the  
22    size of the leak?

23          A.     Yeah.  And that was at a -- I think it was  
24    like a 60 degrees and a 20 mile an hour wind,  
25    something --

1 Q. Sure.

2 A. -- like that, kind of normal conditions.

3 Q. Yeah. Is that the worst -- would that be  
4 the worst imaginable condition in terms of --

5 A. Yeah. If we had a total pipeline failure,  
6 that would be the corridor.

7 Q. And if you had to pick, okay, at this  
8 temperature, this humidity, this wind speed, this  
9 would be the worst scenario, that's what the 1,900  
10 is based on?

11 A. Yes.

12 Q. Okay.

13 A. And then we've done additional studies  
14 because of low-lying areas. So since -- in the  
15 20 years, things we've learned, we've also expanded  
16 some areas, but we're still within the 1,900 feet,  
17 but we just -- just to be on the safe side, we've  
18 gone out a little further, so --

19 Q. Almost three times that distance?

20 A. Yes. That we constantly monitor.

21 Q. Because that is one mile of both sides of  
22 the centerline of the pipe; correct?

23 A. Yes, sir.

24 COMMISSIONER KROSHUS: Okay. I believe  
25 that -- you had answered the questions on the

1 cathodic protection. That was a very good  
2 explanation. That's the best explanation I didn't  
3 quite understand I've ever heard in my life. I  
4 followed most of it.

5 No other questions. Thank you.

6 JUDGE HOGAN: Ms. Jacobson, do you have  
7 any redirect?

8 MS. JACOBSON: Nothing, Your Honor.

9 JUDGE HOGAN: Mr. Pelham or Mr. Schock,  
10 any further questions?

11 MR. PELHAM: No, Your Honor.

12 MR. SCHOCK: No, Your Honor.

13 JUDGE HOGAN: Any other commissioner  
14 questions?

15 All right. Thank you, Mr. O'Berry.

16 Anything further from the applicant?

17 MS. JACOBSON: No, Your Honor.

18 JUDGE HOGAN: All right. Well, that  
19 brings us to our portion of the hearing for public  
20 testimony, and I did see a few people raise their  
21 hands, so I'll go through just some introductory  
22 comments before we start with public testimony.

23 If you wish to testify, I'd ask that you  
24 come forward and testify by the microphone like the  
25 other witnesses have done this morning. I'd ask

1 you to state your name for the record and spell it,  
2 and if you're representing an entity or group, if  
3 you'd please identify that group or entity and your  
4 relationship, that would be helpful.

5 Also, public testimony is an opportunity  
6 for members of the public to make statements for  
7 the Commission. It's not an opportunity to ask  
8 questions for the commissioners or the Commission.  
9 You may not speak unless you're at the witness  
10 table, and we would ask that you not provide  
11 answers from the audience.

12 We'd also ask that you don't read anything  
13 that somebody else wrote. If you wish to submit  
14 something written by somebody else, we can discuss  
15 that.

16 And I don't think we're going to have many  
17 people testifying, but we'd ask that you avoid  
18 repeating any previous testimony. Instead, if  
19 you -- you can just indicate whether or not you  
20 agree or disagree with that testimony.

21 So is there a volunteer to go first for  
22 testimony? All right. Come forward, please.

23 MR. ERICKSON: Hello, my name is Brad  
24 Erickson, E-r-i-c-k-s-o-n. I'm the assistant land  
25 manager for the Coteau Properties Company.



1 MS. JACOBSON: None. Thank you for your  
2 testimony.

3 JUDGE HOGAN: Mr. Pelham, any questions,  
4 or Mr. Schock?

5 **EXAMINATION**

6 **BY MR. PELHAM:**

7 Q. Good morning, Mr. Erickson. Have you been  
8 present in the audience hearing -- for the hearing?

9 A. I have.

10 Q. Okay. And there was a question or maybe  
11 an issue raised by one of the commissioners about  
12 the current mine permit and any consultation with  
13 the Commission as to this proposed project. Do you  
14 know whether or not Coteau mining brought this up  
15 with anyone at the Commission as to -- as to the  
16 reclamation department?

17 A. Yes. And I can have Sarah Flath  
18 testify -- or come up and comment as well, but  
19 we've been in contact with Dean Moos and let him  
20 know about the project, and we'll continue to meet  
21 with him going forward.

22 MR. PELHAM: Okay. I don't have any other  
23 questions for you. Thank you for being here.

24 MR. SCHOCK: No questions. Thank you.

25 JUDGE HOGAN: All right. Commissioner

1 Fedorchak.

2 COMMISSIONER FEDORCHAK: I don't have any  
3 questions, but thank you, Brad, for being here.  
4 Appreciate it.

5 JUDGE HOGAN: Commissioner Christmann.

6 **EXAMINATION**

7 **BY COMMISSIONER CHRISTMANN:**

8 Q. So in your discussions with Mr. Moos or  
9 just your own projections -- and let me just lay  
10 out an example of where my concern comes from. In  
11 several of the power plants in the region, there  
12 are ash disposal facilities on-site, and -- and  
13 when they become an ash disposal site, the end land  
14 use projection changes from agricultural to  
15 industrial and actually oversight of it ends up  
16 with DEQ. Is that needed here when this becomes a  
17 CO<sub>2</sub> sequestration site or is still the end game that  
18 it's agricultural or -- I'm just concerned that we  
19 get ahead of something else that maybe needs to be  
20 done.

21 A. I don't know the answer to that, but I can  
22 talk to Sarah in the audience and maybe she's had  
23 those conversations.

24 Q. Okay. Do you know, is the -- is the --  
25 the -- the final plan for this area still

1 agricultural?

2 A. I believe so.

3 COMMISSIONER CHRISTMANN: Okay. And if  
4 there is anything more to add to that, I would  
5 welcome it, but I don't have any other specific  
6 questions. That is my -- that is a concern that I  
7 have, though.

8 THE WITNESS: Yeah.

9 JUDGE HOGAN: Commissioner Kroshus.

10 COMMISSIONER KROSHUS: All right. Thank  
11 you, Your Honor. Brad, thank you for being here.  
12 Thank you for everything you do and your industry  
13 does to keep the lights on. It's greatly  
14 appreciated.

15 THE WITNESS: Thank you.

16 JUDGE HOGAN: All right. Thank you,  
17 Mr. Erickson.

18 THE WITNESS: Thank you.

19 JUDGE HOGAN: Do we have other  
20 individuals? Sure. Morning. Can I get your name?

21 MS. BATROOT: Vickie Batroot,

22 B-a-t-r-o-o-t.

23 JUDGE HOGAN: Ms. Batroot, did you hear me  
24 go through the penalties for perjury earlier today?

25 MS. BATROOT: I did.



1 referred to, an ongoing issue that's going to be  
2 more and more common, I think, for our state.

3 And as we embark on more and more of this,  
4 I implore everyone who's involved technically to  
5 keep people like us informed. It's -- it's a big  
6 concern, what is going on a mile below the surface.  
7 And I would believe there are experts -- subject  
8 matter experts deeply involved and have the  
9 answers. And just, again, encourage information  
10 disseminated at forums like this in, in the  
11 newspapers, Q and A sessions, et cetera.

12 So I just wanted to make that request  
13 formally.

14 JUDGE HOGAN: Thank you.

15 THE WITNESS: Thank you.

16 JUDGE HOGAN: Hang on, there might be some  
17 questions for you.

18 Ms. Jacobson, did you have any questions?

19 MS. JACOBSON: None, Your Honor.

20 JUDGE HOGAN: Mr. Pelham?

21 MR. PELHAM: Thanks for being here. No  
22 questions.

23 MR. SCHOCK: No questions.

24 JUDGE HOGAN: Commissioner Fedorchak.

25 COMMISSIONER FEDORCHAK: Sure. Thank you,

1 Mrs. Batroot. Really appreciate you and your  
2 husband coming today and taking the time to get  
3 more informed about this project. I agree, I think  
4 there's a lot more information that needs to be  
5 shared about how CO<sub>2</sub> storage works and if we have  
6 resources that lots are talking about having in  
7 terms of the correct geology for it, what does that  
8 mean. And so I share your interest in learning  
9 more, and I know that we are good about digging and  
10 asking and doing those things and I'm sure that the  
11 Industrial Commission will as well.

12 So I do encourage you to participate in  
13 that permitting process. It sounds like there is a  
14 public hearing required for those, and I would  
15 assume that there you'll find the experts on that  
16 particular subject matter and can hopefully have an  
17 opportunity to offer concerns and -- and push in  
18 areas where you are getting the right answers.

19 So I encourage you to participate in that  
20 too, and hopefully as more and more of these become  
21 more common, I'm sure the media will be covering  
22 them and that information will then become  
23 available in the public too. So thank you.

24 THE WITNESS: Very good.

25 JUDGE HOGAN: Commissioner Christmann.

**EXAMINATION**

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

**BY COMMISSIONER CHRISTMANN:**

Q. Vickie, I'm again thinking this could lead to an "oh, yeah, it's been a long time moment," but I'm -- I'm trying to think of where -- where is your land or can you explain to me?

A. We are west of County Road 13, which runs due north from Zap. Ten miles north of Zap.

Q. So like Walter; right?

A. Yes. My dad, yes.

Q. Okay. That -- now I'm in perspective. And -- and I would say, too, so this will -- unless there's something that I don't foresee, it'll probably be our only public hearing on this, but the -- maybe work sessions or certainly our actions are all public, and -- and you can -- I don't know if you saw the case number that's assigned to this, but you can follow things that we do on our website. And I'm not sure exactly how the Industrial Commission does notices, but I'm assuming that they do public notices for their meetings and such.

And hopefully as that develops, you can stay informed on that too, but ours are certainly open to the public always and -- and recordings are

1 available and everything. So hopefully that helps.

2 A. It does immensely. Thank you.

3 COMMISSIONER CHRISTMANN: Good to see you  
4 again.

5 THE WITNESS: Good to see you.

6 JUDGE HOGAN: Commissioner Kroshus.

7 **EXAMINATION**

8 **BY COMMISSIONER KROSHUS:**

9 Q. Good morning, Vickie. Just thank you --

10 A. Good morning.

11 Q. -- for the points you make. They're  
12 excellent, and I hope the Industrial Commission  
13 is -- is listening. I'm sure members of the press  
14 are. It helps to get the information out. And if  
15 I understand correctly, it's not that you oppose  
16 the project, it's -- it's that you just want more  
17 information to know that it's safe and you don't  
18 have any long-term concerns with where you're at?

19 A. That's our goal is to be informed,  
20 concerned, but not opposing. Exactly.

21 COMMISSIONER KROSHUS: Right. Well, and  
22 your testimony today, it should serve as a  
23 catalyst, so it's terrific that you're here and  
24 really appreciate your comments.

25 THE WITNESS: Thank you.

1 JUDGE HOGAN: Thank you.

2 Do we have other individuals that wish to  
3 provide testimony? Come on up.

4 MS. FLATH: Good morning.

5 JUDGE HOGAN: Can I get your name? Good  
6 morning.

7 MS. FLATH: Sarah Flath, spelled F, as in  
8 Frank, l-a-t-h, and I'm the environmental manager  
9 at Coteau Properties Freedom Mine.

10 JUDGE HOGAN: Before you testify this  
11 morning, did you hear me go through the penalties  
12 for perjury earlier?

13 MS. FLATH: I did.

14 JUDGE HOGAN: And do you understand what  
15 perjury is?

16 MS. FLATH: I do.

17 (Witness sworn.)

18 JUDGE HOGAN: Thank you. Go ahead.

19 **SARAH FLATH,**

20 being first duly sworn, was examined and testified  
21 as follows:

22 **STATEMENT**

23 **BY MS. FLATH:**

24 MS. FLATH: To respond to some of the  
25 questions that Commissioner Christmann had and

1 others, I have been in discussion with the director  
2 of the reclamation division, Dean Moos, about this  
3 project, so far fairly informally, but just as  
4 recent as last week Friday. And he did mention  
5 that, you know, there might be some questions as to  
6 the industrial land use, the future, how we treat  
7 that.

8           And I think at this time it's a little  
9 premature to know, but the parallel you drew with  
10 the ash pit, that was bond released as industrial  
11 land use and then excluded from the permit. And  
12 the size of that project is -- and the more  
13 permanent nature of it is probably a little  
14 different than this, but we'll have to continue to  
15 evaluate that going forward is kind of how I left  
16 it with the director, Director Moos.

17           And so we as the holder of the surface  
18 mine permit, any activity that goes on within that  
19 permit until it is bond released, we can act as  
20 sort of a liaison to provide information to get  
21 that from Basin and DGC and provide that to the  
22 reclamation division so that they're informed of  
23 this project.

24           Any further questions or information you'd  
25 like?

1 JUDGE HOGAN: Do you want to go first?

2 COMMISSIONER CHRISTMANN: Do you want me  
3 to?

4 JUDGE HOGAN: Yeah, you can.

5 COMMISSIONER CHRISTMANN: Well, no, I  
6 really don't have any other questions. But thank  
7 you for staying in touch with them. I guess I  
8 wasn't aware, and so please continue to do that,  
9 because if -- if there are changes that need to be  
10 made on the permit, we don't want this getting  
11 ahead and then end up getting things out of order,  
12 and -- and -- and if you keep working with Dean and  
13 the team up there, I'm sure we can keep things  
14 moving on the right track. So thank you for doing  
15 that and for being here to explain.

16 THE WITNESS: Yeah. Absolutely. And we  
17 had -- we had talked -- Dean and I had talked kind  
18 of early on before there was any site disturbance  
19 even for the initial test well about this, and we  
20 had both agreed that this might not be surface  
21 mining activities, but he -- he did request to stay  
22 informed and we'll do that.

23 COMMISSIONER CHRISTMANN: Okay.

24 JUDGE HOGAN: All right. Ms. Jacobson,  
25 did you have any questions?

1 MS. JACOBSON: None, Your Honor.

2 JUDGE HOGAN: Mr. Pelham?

3 MR. PELHAM: No, Your Honor.

4 JUDGE HOGAN: Mr. Schock?

5 MR. SCHOCK: No.

6 JUDGE HOGAN: Commissioner Fedorchak?

7 COMMISSIONER FEDORCHAK: No. Thank you.

8 JUDGE HOGAN: Commissioner Kroshus?

9 COMMISSIONER KROSHUS: No questions.

10 Thank you for the information.

11 JUDGE HOGAN: Well, thank you for the  
12 follow-up.

13 THE WITNESS: Thank you.

14 JUDGE HOGAN: Do we have other individuals  
15 that wish to testify? Morning.

16 MS. TRHLIK: Morning.

17 JUDGE HOGAN: Can you state your name for  
18 the record.

19 MS. TRHLIK: My name is Pamela Trhlik,  
20 P-a-m-e-l-a T-r-h-l-i-k.

21 JUDGE HOGAN: And, Ms. Trhlik, did you  
22 hear me go through the potential penalties for  
23 perjury earlier this morning?

24 MS. TRHLIK: Yes.

25 JUDGE HOGAN: And do you understand what

1 perjury is?

2 MS. TRHLIK: Yes.

3 (Witness sworn.)

4 JUDGE HOGAN: All right. Go ahead.

5 **PAMELA TRHLIK,**

6 being first duly sworn, was examined and testified

7 as follows:

8 **STATEMENT**

9 **BY MS. TRHLIK:**

10 MS. TRHLIK: My name is Pamela Trhlik. I  
11 am the director of governmental affairs and new  
12 business development for the Laborers'  
13 International Union of North American, Local 563,  
14 here in the state of North Dakota.

15 We have been very excited about what  
16 really is coming down the pike for North Dakota in  
17 the next decade. After the Williston Basin  
18 conference when the Governor announced, you know,  
19 carbon neutral by 2030, there are so many projects  
20 planned, and in the past the laborers have been  
21 just a huge part in North Dakota for decades. And  
22 I look at the work that we have done for Basin  
23 Electric and all of their facilities, specifically  
24 for Dakota Gas, hundreds and hundreds of thousands  
25 of hours that our members have put into these

1 facilities, and so we're just here today to really  
2 put our support behind this project.

3 And I think, you know, just the average  
4 person in the public would think a 6.8-mile  
5 pipeline, you know, what does that really mean for  
6 North Dakota? My coworker, Steven Cortina, when we  
7 were driving up here this morning, we were really  
8 talking about that really truly this project is a  
9 spark, just a spark that is going to explode into  
10 something huge for the state of North Dakota.

11 We recently met with Lynn Helms with the  
12 Department of Mineral Resources -- or the Division  
13 of Mineral Resources, and what's going to happen  
14 with carbon capture and what's going to happen with  
15 hydrogen and, you know, there's other plans up in  
16 the Bakken with, you know, ethane fuel and storage,  
17 you know, we look at this and Lynn said it, too,  
18 that once again North Dakota is going to explode on  
19 the scene throughout the U.S. and internationally  
20 for what's going to happen in this state with  
21 carbon capture.

22 We look at what's coming right after this  
23 pipeline project and what will be happening with  
24 Minnkota and Coal Creek and Blue Flint and Summit  
25 Ag, it is just the beginning of changing the face

1 for the state of North Dakota in this realm.

2 And I look at what we have done as an  
3 entire union in North America. We have nearly  
4 600,000 members in the U.S. and Canada, and what  
5 we've done in traditional energy sources: coal,  
6 oil, natural gas, and how we have moved as a union  
7 into the renewables with wind and with solar. And  
8 here is another area that we are standing up for,  
9 and we are going to be here every step of the way  
10 with every organization in North Dakota. Every one  
11 of the major customers we -- we work for and the  
12 major contractors that we work for that the  
13 laborers' unions wants to be on the forefront of  
14 helping build all of this in the state of North  
15 Dakota and change this energy scene.

16 So we are just here to throw our support  
17 behind Dakota Gas and Basin Electric.

18 JUDGE HOGAN: Ms. Jacobson, any questions?

19 MS. JACOBSON: None, Your Honor.

20 JUDGE HOGAN: Mr. Pelham?

21 MR. PELHAM: No, Your Honor.

22 JUDGE HOGAN: Mr. Schock?

23 MR. SCHOCK: No questions.

24 JUDGE HOGAN: Commissioner Fedorchak.

25 COMMISSIONER FEDORCHAK: Thank you,

1 Pamela. Really appreciate your comments this  
2 morning and your guys' constant involvement. It  
3 really does matter so much to be here speaking on  
4 behalf of all the workers who do make so much  
5 happen in our state and then also in the nation.

6 And just one thing I would encourage you  
7 taking back to your higher-ups is you have -- you  
8 speak on behalf of a very important group of people  
9 who really make our country run. And to the extent  
10 that you can be out there speaking on behalf of all  
11 of the -- all of the above, you know, there's -- I  
12 have concerns just -- I think that renewable energy  
13 is developing, it's exciting, it is a whole new  
14 frontier, but we're in this time of transition, and  
15 we can't get ahead of the technology or there's  
16 going to be a lot of really terrible things that  
17 happen.

18 And so you guys have unique positions  
19 representing who you do to speak on behalf of a  
20 thoughtful and deliberate transition and safely  
21 that keeps the reliability in the forefront. And  
22 so I hope that your union advocates in that way,  
23 not just in North Dakota but nationally as well.  
24 So I hope you take that back up to your higher-ups.

25 THE WITNESS: We definitely do because we

1 look at coal in this state and all of the other  
2 states where we work, and that it has been a  
3 mainstay for us. And we often -- you know, we're  
4 always at wind farm hearings or we're always at the  
5 different renewables, but at the core of what we  
6 have done in North Dakota, we are fighting just as  
7 hard behind every person that works in a coal mine  
8 and every person that works in these plants because  
9 it is important to hundreds of our members and  
10 their families in the state of North Dakota and  
11 across the nation.

12 JUDGE HOGAN: Commissioner Christmann.

13 COMMISSIONER CHRISTMANN: Yeah, thanks for  
14 being here and for your enthusiasm and, again, I  
15 would just emphasize that while nobody ever likes  
16 to -- to be the wet blanket on something that  
17 people are excited about, we like to see -- or I  
18 like to see development, too, but our  
19 responsibility here is to make sure that before we  
20 jump into it, that in this case the pipeline is  
21 going to be safe for the environment and for the  
22 people around it and everything and then the  
23 Industrial Commission same with the well sites. So  
24 we want to make sure that all those things are in  
25 place before we jump forward with the project.

1           But appreciated your enthusiasm for this  
2 one.

3           THE WITNESS: As our work with pipelines  
4 over decades, I mean one of our core functions is  
5 coming in and starting with the environmental, and  
6 then we end our job with coming back, and so it's  
7 very important to us as well.

8           COMMISSIONER CHRISTMANN: And a great  
9 record of carrying out the projects safely for the  
10 companies developing them as well as your workers.  
11 So congrats on that.

12          THE WITNESS: Thank you.

13          JUDGE HOGAN: Commissioner Kroshus.

14          COMMISSIONER KROSHUS: Pamela, thank you  
15 for being here. I appreciate the fact that this  
16 also signals getting back to a more normal routine  
17 to --

18          THE WITNESS: You missed me.

19          COMMISSIONER KROSHUS: -- just to see --  
20 to see the regulars in the room. Absolutely.  
21 Absolutely. So hopefully we're getting on the tail  
22 end of closing the chapter which was 2020, the year  
23 that was interesting, to say the least.

24                 But thank you for the work you do in the  
25 energy sector, particularly as it relates to this

1 industry.

2           And the one reality for everyone is that  
3 pipeline safety -- we talk about smart pig  
4 inspection intervals, we talk about right-of-way  
5 inspections, we talk about aerial surveillance of  
6 these pipelines, SCADA systems, et cetera, but the  
7 reality is that pipeline safety starts with how the  
8 pipe is placed in the ground, the welding that  
9 occurs, and really appreciate the level of training  
10 your folks go through and -- and the continued  
11 training they receive. I've toured some of your  
12 facilities and it's impressive, and it gives me a  
13 great degree of confidence when you're on a job  
14 that it's going to be done right. So thank you for  
15 the work you did.

16           THE WITNESS: Thank you. You know, COVID  
17 shut down -- that little virus shut down -- we have  
18 opened a new training center in North Dakota  
19 because our training prior to this was all held in  
20 Minnesota. And we're developing that, and last  
21 year we did not get the chance to do an open house  
22 for customers, for contractors, for regulatory  
23 agencies and personnel, but we will be planning  
24 that in the future.

25           COMMISSIONER KROSHUS: Look forward to it.

1 Thank you.

2 THE WITNESS: Thank you.

3 JUDGE HOGAN: Thank you.

4 Is there anybody else that wishes to  
5 provide testimony this morning? All right. Well,  
6 seeing none, that will conclude the testimony  
7 portion of our hearing, and we will move to closing  
8 remarks -- I'm sorry -- closing remarks.

9 Ms. Jacobson, did you have any closing  
10 remarks?

11 MS. JACOBSON: No closing remarks, but,  
12 Your Honor, if we could just clarify the exhibits.  
13 I think we have the -- Mr. Solie testified about  
14 the wetland delineation reports and we do have a  
15 copy of that. If we could enter that into evidence  
16 as Exhibit No. 11?

17 JUDGE HOGAN: Sure. Or I should ask,  
18 Mr. Pelham, any objection?

19 MR. PELHAM: I think -- could I just see  
20 it? Thanks. These are copies here?

21 MR. SOLIE: Yes.

22 MR. PELHAM: Okay.

23 JUDGE HOGAN: I'm going to need one for  
24 the record.

25 MR. PELHAM: Yeah, I know. I'm just --

1 it's only three pages, it looks like, so --

2 JUDGE HOGAN: If anybody wants to look at  
3 it --

4 MR. PELHAM: I just want to read it in  
5 case we have any questions on it. May as well take  
6 care of it now. No objection to the Exhibit 11.

7 JUDGE HOGAN: All right. Then that memo  
8 or report -- I have a copy, yep -- will be marked  
9 as Exhibit 11 and entered into the record.

10 Was there any other follow-up information?

11 MS. JACOBSON: Was there Number 12, which  
12 would be a map of the residences located within a  
13 thousand feet -- or one mile of the proposed  
14 project?

15 MR. PELHAM: That's my understanding as  
16 well. That would be the only other -- well, that  
17 would be the only late-filed exhibit.

18 MS. JACOBSON: Yes.

19 JUDGE HOGAN: Okay. And did you want to  
20 set a deadline for submitting that?

21 MS. JACOBSON: By the end of the week we  
22 can provide it.

23 JUDGE HOGAN: Okay. So when that comes  
24 in, we'll label that Exhibit 12.

25 MS. JACOBSON: Great. Thank you, Your

1 Honor.

2 JUDGE HOGAN: All right.

3 MS. JACOBSON: And then my only other  
4 comment, if I may, is that there is some question  
5 regarding jurisdiction because of House Bill 1096  
6 that would exempt some CO<sub>2</sub> sequestration facilities,  
7 storage facilities. So if at all possible, you  
8 know, we did file our application this spring prior  
9 to the legislation being enacted. It will be  
10 effective August 1. So if at all possible, just to  
11 clarify that there's no concern regarding  
12 jurisdiction, if possible we would ask for a  
13 decision prior to August 1 when the law is  
14 effective, just to avoid any jurisdictional  
15 questions.

16 I have nothing else, Your Honor.

17 JUDGE HOGAN: All right. Mr. Pelham, did  
18 you have any closing remarks or comments?

19 MR. PELHAM: I do not. Thank you.

20 JUDGE HOGAN: All right. Commissioner  
21 Fedorchak.

22 COMMISSIONER FEDORCHAK: I'll just be  
23 brief. Thank you, everybody. It was a good  
24 hearing, good information provided by the company.  
25 Thanks to the folks who came up and spoke and gave

1 us a little more information on -- on the project.

2 And we will move ahead as quickly as we  
3 can. I would assume that the company will get its  
4 proposed findings, et cetera, in in a timely manner  
5 and that would allow us to have everything we need  
6 to consider in the time you've outlined.

7 So thank you.

8 JUDGE HOGAN: Commissioner Christmann.

9 COMMISSIONER CHRISTMANN: I have no other  
10 comments except for to thank everyone for being  
11 here.

12 JUDGE HOGAN: And Commissioner Kroshus.

13 COMMISSIONER KROSHUS: Well, since I'm  
14 keeping everyone from exiting the hearing, I don't  
15 have anything else. Thank you. Appreciate it.

16 JUDGE HOGAN: All right. Do you -- did  
17 you want to set a deadline? I assume you're going  
18 to be submitting proposed findings.

19 MS. JACOBSON: Next Monday we will -- we  
20 can have them filed, but likely before then.

21 JUDGE HOGAN: Okay. So next Monday -- I  
22 don't have a calendar in front of me -- will be the  
23 deadline.

24 MR. PELHAM: That would be the 19th. Is  
25 that right?



## 1 CERTIFICATE OF COURT REPORTER

2  
3 I, Stephanie A. Smith, a Registered  
4 Professional Reporter,

5 DO HEREBY CERTIFY that I recorded in  
6 shorthand the foregoing proceedings had and made of  
7 record at the time and place hereinbefore  
8 indicated.

9 I DO HEREBY FURTHER CERTIFY that the  
10 foregoing typewritten pages contain an accurate  
11 transcript of my shorthand notes then and there  
12 taken.

13 Dated at Bismarck, North Dakota, this 29th  
14 day of July, 2021.

15  
16  
17 \_\_\_\_\_  
18 Stephanie A. Smith  
19 Registered Professional Reporter  
20  
21  
22  
23  
24  
25

<b>\$</b>	<b>2,964</b> <sup>[1]</sup> - 22:16 <b>2-inch</b> <sup>[1]</sup> - 98:20 <b>2.33</b> <sup>[1]</sup> - 70:1 <b>2.9</b> <sup>[1]</sup> - 8:5 <b>20</b> <sup>[6]</sup> - 41:2, 49:9, 69:9, 89:2, 102:24, 103:15 <b>20-plus</b> <sup>[1]</sup> - 98:4 <b>200</b> <sup>[7]</sup> - 22:21, 39:18, 40:3, 46:5, 46:9, 56:11, 72:24 <b>200-foot</b> <sup>[3]</sup> - 56:15, 56:16, 62:12 <b>2007</b> <sup>[1]</sup> - 55:6 <b>2018</b> <sup>[1]</sup> - 75:21 <b>2020</b> <sup>[2]</sup> - 64:10, 124:22 <b>2021</b> <sup>[7]</sup> - 1:17, 7:3, 7:6, 7:8, 59:8, 64:11, 131:14 <b>2030</b> <sup>[1]</sup> - 119:19 <b>205</b> <sup>[1]</sup> - 76:1 <b>205-mile</b> <sup>[1]</sup> - 84:2 <b>20th</b> <sup>[1]</sup> - 56:23 <b>21</b> <sup>[3]</sup> - 95:1, 97:25, 98:4 <b>23</b> <sup>[1]</sup> - 70:22 <b>24</b> <sup>[3]</sup> - 80:14, 82:22, 93:2 <b>24,000</b> <sup>[1]</sup> - 59:9 <b>24-hour</b> <sup>[1]</sup> - 92:13 <b>25</b> <sup>[3]</sup> - 3:21, 75:19, 78:14 <b>26</b> <sup>[3]</sup> - 75:16, 76:14, 86:9 <b>27</b> <sup>[1]</sup> - 85:19 <b>28</b> <sup>[1]</sup> - 85:19 <b>29th</b> <sup>[1]</sup> - 131:13	<b>5</b>	<b>A</b>
<b>\$10,000</b> <sup>[1]</sup> - 17:5		<b>5</b> <sup>[5]</sup> - 6:6, 17:5, 18:24, 19:16, 57:2 <b>50</b> <sup>[3]</sup> - 56:19, 72:25, 96:10 <b>50-foot</b> <sup>[1]</sup> - 80:7 <b>500</b> <sup>[9]</sup> - 32:6, 32:9, 32:16, 32:23, 51:22, 52:2, 57:25, 58:6 <b>51</b> <sup>[1]</sup> - 4:3 <b>52</b> <sup>[2]</sup> - 4:4, 4:6 <b>54</b> <sup>[1]</sup> - 4:9 <b>563</b> <sup>[1]</sup> - 119:13 <b>58502-0400</b> <sup>[1]</sup> - 2:14 <b>58503</b> <sup>[1]</sup> - 2:8	<b>a.m</b> <sup>[6]</sup> - 7:2, 74:4, 74:5, 74:8, 130:8, 130:10 <b>able</b> <sup>[18]</sup> - 26:14, 28:1, 28:4, 30:11, 31:5, 31:14, 53:6, 59:24, 64:21, 65:7, 66:7, 78:12, 80:15, 80:17, 90:7, 90:10, 93:11, 98:11 <b>aboveground</b> <sup>[9]</sup> - 19:4, 19:5, 19:7, 49:25, 50:9, 76:23, 98:18, 98:19, 98:22 <b>absolutely</b> <sup>[3]</sup> - 117:16, 124:20, 124:21 <b>AC</b> <sup>[1]</sup> - 64:18 <b>accessibility</b> <sup>[1]</sup> - 34:15 <b>accordance</b> <sup>[1]</sup> - 13:17 <b>according</b> <sup>[2]</sup> - 71:23, 74:2 <b>account</b> <sup>[2]</sup> - 23:22, 25:19 <b>accurate</b> <sup>[1]</sup> - 131:10 <b>accurately</b> <sup>[1]</sup> - 15:1 <b>acid</b> <sup>[1]</sup> - 94:24 <b>acres</b> <sup>[1]</sup> - 45:9 <b>act</b> <sup>[1]</sup> - 116:19 <b>actions</b> <sup>[1]</sup> - 113:15 <b>activated</b> <sup>[3]</sup> - 26:7, 26:9, 82:23 <b>active</b> <sup>[6]</sup> - 14:8, 42:20, 43:8, 53:3, 53:4, 67:25 <b>activities</b> <sup>[2]</sup> - 22:3, 117:21 <b>activity</b> <sup>[2]</sup> - 43:14, 116:18 <b>actual</b> <sup>[5]</sup> - 11:23, 33:18, 33:22, 80:6, 90:8 <b>add</b> <sup>[4]</sup> - 57:1, 71:21, 94:23, 109:4 <b>added</b> <sup>[1]</sup> - 93:22 <b>adding</b> <sup>[1]</sup> - 95:20 <b>addition</b> <sup>[3]</sup> - 19:14, 21:12, 93:16 <b>additional</b> <sup>[6]</sup> - 20:13, 34:5, 40:11, 67:11, 83:9, 103:13 <b>additionally</b> <sup>[1]</sup> - 29:3 <b>address</b> <sup>[7]</sup> - 17:17, 17:21, 54:18, 60:3, 75:11, 75:15, 80:23 <b>adequate</b> <sup>[1]</sup> - 46:20 <b>adjacent</b> <sup>[1]</sup> - 57:7 <b>adjoining</b> <sup>[1]</sup> - 110:13 <b>adjustment</b> <sup>[1]</sup> - 56:18 <b>adjustments</b> <sup>[1]</sup> - 42:17 <b>ADMINISTRATIVE</b> <sup>[1]</sup> - 1:22 <b>administrative</b> <sup>[1]</sup> - 7:12 <b>Administrative</b> <sup>[1]</sup> - 7:13 <b>administrator</b> <sup>[1]</sup> - 54:23 <b>admission</b> <sup>[1]</sup> - 16:3 <b>admitted</b> <sup>[1]</sup> - 16:11 <b>advance</b> <sup>[1]</sup> - 14:1 <b>adverse</b> <sup>[2]</sup> - 8:13, 8:21 <b>advise</b> <sup>[1]</sup> - 17:2
<b>1</b>		<b>6</b>	
<b>1</b> <sup>[15]</sup> - 6:4, 7:5, 8:11, 16:3, 16:10, 18:23, 20:1, 22:4, 50:12, 53:1, 59:9, 69:22, 98:20, 128:10, 128:13 <b>1,900</b> <sup>[4]</sup> - 88:15, 102:20, 103:9, 103:16 <b>10</b> <sup>[7]</sup> - 6:9, 16:4, 16:11, 32:17, 58:7, 66:18, 74:3 <b>10-minute</b> <sup>[1]</sup> - 82:7 <b>106</b> <sup>[1]</sup> - 5:5 <b>107</b> <sup>[1]</sup> - 5:6 <b>108</b> <sup>[1]</sup> - 5:7 <b>1096</b> <sup>[1]</sup> - 128:5 <b>10:02</b> <sup>[2]</sup> - 74:5, 74:8 <b>11</b> <sup>[7]</sup> - 3:5, 6:9, 62:16, 65:1, 126:16, 127:6, 127:9 <b>110</b> <sup>[1]</sup> - 5:10 <b>113</b> <sup>[1]</sup> - 5:11 <b>114</b> <sup>[1]</sup> - 5:12 <b>115</b> <sup>[1]</sup> - 5:15 <b>119</b> <sup>[1]</sup> - 5:18 <b>11:03</b> <sup>[2]</sup> - 130:8, 130:10 <b>12</b> <sup>[6]</sup> - 1:17, 3:7, 6:10, 30:2, 127:11, 127:24 <b>12-inch</b> <sup>[7]</sup> - 8:5, 18:20, 18:25, 19:2, 19:13, 19:19, 33:5 <b>120</b> <sup>[1]</sup> - 22:20 <b>126</b> <sup>[2]</sup> - 3:9, 6:9 <b>127</b> <sup>[3]</sup> - 6:9, 6:10 <b>128</b> <sup>[1]</sup> - 3:10 <b>129</b> <sup>[2]</sup> - 3:11, 3:12 <b>12th</b> <sup>[1]</sup> - 7:3 <b>13</b> <sup>[1]</sup> - 113:7 <b>131</b> <sup>[1]</sup> - 3:15 <b>14</b> <sup>[2]</sup> - 3:8, 18:1 <b>150</b> <sup>[2]</sup> - 45:18, 45:21 <b>16</b> <sup>[22]</sup> - 6:4, 6:5, 6:5, 6:6, 6:6, 6:7, 6:7, 6:8, 6:8, 6:9, 55:14, 93:4 <b>17</b> <sup>[3]</sup> - 3:20, 70:18, 71:25 <b>1717</b> <sup>[3]</sup> - 2:8, 17:21, 54:21 <b>19</b> <sup>[1]</sup> - 130:2 <b>1900</b> <sup>[1]</sup> - 1:16 <b>19th</b> <sup>[1]</sup> - 129:24	<b>3</b> <b>3</b> <sup>[7]</sup> - 6:5, 8:19, 18:22, 18:23, 19:12, 19:16, 82:3 <b>3.9</b> <sup>[1]</sup> - 8:5 <b>30</b> <sup>[1]</sup> - 89:4 <b>30-minute</b> <sup>[1]</sup> - 82:7 <b>31</b> <sup>[1]</sup> - 39:25 <b>3100</b> <sup>[2]</sup> - 21:8, 39:25 <b>314</b> <sup>[1]</sup> - 2:13 <b>32</b> <sup>[1]</sup> - 3:22 <b>32ME299</b> <sup>[1]</sup> - 70:4 <b>33</b> <sup>[1]</sup> - 3:23 <b>36</b> <sup>[1]</sup> - 93:22 <b>38</b> <sup>[2]</sup> - 75:18, 75:19	<b>6</b> <sup>[5]</sup> - 6:7, 18:24, 19:16, 66:2, 86:15 <b>6-inch</b> <sup>[4]</sup> - 8:6, 19:1, 19:15, 33:5 <b>6.8-mile</b> <sup>[1]</sup> - 120:4 <b>60</b> <sup>[7]</sup> - 21:6, 21:7, 39:19, 39:23, 46:3, 46:7, 102:24 <b>600,000</b> <sup>[1]</sup> - 121:4 <b>63</b> <sup>[1]</sup> - 4:10 <b>67</b> <sup>[1]</sup> - 4:11 <b>69</b> <sup>[1]</sup> - 4:12	
	<b>3</b>	<b>7</b>	
<b>2</b> <sup>[6]</sup> - 6:5, 8:16, 18:23, 19:16, 31:13, 82:2 <b>2,500-foot</b> <sup>[1]</sup> - 79:25	<b>4</b> <b>4</b> <sup>[4]</sup> - 6:6, 18:23, 19:16, 33:3 <b>400</b> <sup>[2]</sup> - 2:14, 65:11 <b>404</b> <sup>[1]</sup> - 66:19 <b>420</b> <sup>[1]</sup> - 75:15 <b>43</b> <sup>[1]</sup> - 3:24 <b>45Q</b> <sup>[2]</sup> - 20:10, 20:14 <b>47</b> <sup>[1]</sup> - 3:25	<b>7</b> <sup>[3]</sup> - 3:4, 6:7, 86:15 <b>700</b> <sup>[2]</sup> - 85:16, 85:18 <b>72</b> <sup>[1]</sup> - 4:13 <b>75</b> <sup>[2]</sup> - 4:16, 72:24 <b>7th</b> <sup>[2]</sup> - 60:21, 70:20	
<b>2</b>		<b>8</b>	
		<b>8</b> <sup>[3]</sup> - 6:8, 18:14, 64:23 <b>81</b> <sup>[1]</sup> - 4:17 <b>84</b> <sup>[1]</sup> - 4:18 <b>87</b> <sup>[1]</sup> - 4:19 <b>8:30</b> <sup>[2]</sup> - 7:2, 7:5	
<b>2</b>		<b>9</b>	
<b>2</b> <sup>[6]</sup> - 6:5, 8:16, 18:23, 19:16, 31:13, 82:2 <b>2,500-foot</b> <sup>[1]</sup> - 79:25		<b>9</b> <sup>[4]</sup> - 6:8, 7:8, 58:7, 75:21 <b>90</b> <sup>[2]</sup> - 40:15, 45:24 <b>911</b> <sup>[1]</sup> - 78:9 <b>94</b> <sup>[1]</sup> - 4:20 <b>97</b> <sup>[1]</sup> - 4:21 <b>9:49</b> <sup>[1]</sup> - 74:2 <b>9:50</b> <sup>[1]</sup> - 74:4	<b>8</b> <b>8</b> <sup>[3]</sup> - 6:8, 18:14, 64:23 <b>81</b> <sup>[1]</sup> - 4:17 <b>84</b> <sup>[1]</sup> - 4:18 <b>87</b> <sup>[1]</sup> - 4:19 <b>8:30</b> <sup>[2]</sup> - 7:2, 7:5

<p><b>advisory</b> [1] - 76:7  <b>advocate</b> [1] - 13:10  <b>advocates</b> [1] - 122:22  <b>aerial</b> [3] - 86:11, 86:12, 125:5  <b>affairs</b> [1] - 119:11  <b>affect</b> [1] - 56:25  <b>Ag</b> [1] - 120:25  <b>agencies</b> [3] - 60:10, 64:9, 125:23  <b>agency</b> [6] - 27:8, 27:10, 31:5, 64:14, 67:9, 67:11  <b>ago</b> [3] - 36:2, 68:11, 89:2  <b>agree</b> [3] - 47:8, 105:20, 112:3  <b>agreed</b> [2] - 69:7, 117:20  <b>agreements</b> [2] - 23:20, 23:22  <b>agricultural</b> [4] - 30:19, 108:14, 108:18, 109:1  <b>agriculture</b> [1] - 30:22  <b>ahead</b> [14] - 17:10, 44:9, 54:11, 75:3, 77:2, 90:22, 106:14, 108:19, 110:6, 115:18, 117:11, 119:4, 122:15, 129:2  <b>aid</b> [1] - 78:5  <b>air</b> [6] - 45:11, 68:12, 85:2, 85:3, 85:5, 101:16  <b>airplane</b> [1] - 86:12  <b>akin</b> [1] - 73:12  <b>alarm</b> [5] - 80:16, 82:5, 82:7, 89:4  <b>alarms</b> [1] - 82:13  <b>alleviate</b> [1] - 110:22  <b>allow</b> [3] - 29:12, 56:16, 129:5  <b>allowed</b> [1] - 13:8  <b>almost</b> [2] - 32:21, 103:19  <b>alternate</b> [1] - 101:18  <b>alternatives</b> [2] - 58:9, 59:16  <b>altitude</b> [1] - 86:14  <b>ambulance</b> [2] - 78:1, 83:20  <b>America</b> [1] - 121:3  <b>American</b> [1] - 119:13  <b>amount</b> [3] - 21:4, 34:10, 99:22  <b>Amsden</b> [1] - 34:25  <b>analyst</b> [1] - 10:4  <b>analyze</b> [1] - 59:12  <b>analyzed</b> [1] - 59:13  <b>angle</b> [1] - 78:7  <b>announced</b> [1] - 119:18  <b>annual</b> [2] - 84:12, 100:15  <b>annually</b> [1] - 76:24  <b>annular</b> [1] - 91:18  <b>answer</b> [4] - 26:22, 36:19, 45:1, 108:21  <b>answered</b> [5] - 13:23, 14:6,</p>	<p>45:7, 103:25, 110:19  <b>answers</b> [5] - 14:10, 70:19, 105:11, 111:9, 112:18  <b>Antelope</b> [2] - 51:23, 52:3  <b>anticipate</b> [5] - 21:18, 25:24, 52:10, 83:9, 84:10  <b>anticipated</b> [7] - 21:1, 21:21, 27:20, 29:8, 30:7, 34:19, 48:20  <b>anticipating</b> [1] - 26:2  <b>anticipation</b> [1] - 46:19  <b>anyway</b> [3] - 11:21, 44:12, 96:20  <b>apologize</b> [1] - 11:14  <b>apostrophe</b> [1] - 74:18  <b>appealing</b> [1] - 12:23  <b>appearance</b> [2] - 9:3, 9:23  <b>appearances</b> [1] - 9:2  <b>applicable</b> [2] - 24:1, 47:7  <b>applicant</b> [1] - 104:16  <b>APPLICANT'S</b> [2] - 3:17, 6:2  <b>application</b> [30] - 8:1, 14:4, 14:20, 15:13, 15:17, 19:25, 20:4, 20:6, 27:18, 27:20, 27:21, 35:16, 36:23, 44:8, 56:1, 56:3, 59:22, 62:1, 62:22, 63:12, 64:25, 67:10, 69:4, 70:22, 71:12, 71:24, 72:5, 72:22, 99:8, 128:8  <b>Application</b> [1] - 1:6  <b>applications</b> [1] - 14:19  <b>Applied</b> [1] - 18:1  <b>apply</b> [1] - 14:25  <b>appreciate</b> [8] - 73:4, 108:4, 112:1, 114:24, 122:1, 124:15, 125:9, 129:15  <b>appreciated</b> [2] - 109:14, 124:1  <b>appropriate</b> [3] - 16:2, 26:25, 56:13  <b>approve</b> [2] - 39:9, 56:13  <b>approved</b> [3] - 15:18, 30:6, 30:13  <b>archeologists</b> [1] - 57:10  <b>area</b> [30] - 34:7, 35:23, 43:8, 43:10, 43:14, 44:14, 49:24, 49:25, 50:1, 53:2, 53:4, 53:5, 58:24, 59:11, 62:5, 64:4, 64:19, 65:6, 67:25, 71:6, 78:14, 79:4, 79:15, 80:2, 80:18, 86:20, 90:2, 91:8, 108:25, 121:8  <b>areas</b> [23] - 31:19, 37:11, 43:2, 43:4, 57:16, 57:17, 57:19, 57:21, 58:10, 58:22, 59:4, 62:2, 62:10, 62:23, 65:19, 71:13, 72:8, 83:6, 85:6, 96:21, 103:14, 103:16, 112:18  <b>Army</b> [2] - 55:16, 66:19</p>	<p><b>arrange</b> [1] - 14:1  <b>ash</b> [3] - 108:12, 108:13, 116:10  <b>aside</b> [2] - 25:21, 67:9  <b>aspects</b> [1] - 18:10  <b>asphyxiation</b> [1] - 77:10  <b>assigned</b> [1] - 113:17  <b>assist</b> [1] - 84:4  <b>assistance</b> [2] - 83:24, 90:23  <b>assistant</b> [2] - 86:23, 105:24  <b>Assistant</b> [1] - 10:2  <b>Association</b> [1] - 78:20  <b>assume</b> [4] - 39:14, 112:15, 129:3, 129:17  <b>assuming</b> [5] - 30:5, 40:22, 42:22, 86:23, 113:21  <b>assumption</b> [1] - 68:7  <b>assure</b> [1] - 10:20  <b>atmosphere</b> [2] - 87:20, 87:21  <b>atmospheric</b> [3] - 76:24, 85:6, 85:10  <b>attempted</b> [1] - 23:2  <b>attendance</b> [4] - 7:22, 7:24, 10:24, 13:4  <b>attending</b> [1] - 7:25  <b>Attorney</b> [1] - 10:2  <b>Attorneys</b> [1] - 2:13  <b>audience</b> [4] - 10:15, 105:11, 107:8, 108:22  <b>Audubon</b> [1] - 66:24  <b>August</b> [3] - 22:4, 128:10, 128:13  <b>authority</b> [1] - 28:25  <b>available</b> [4] - 34:4, 37:25, 112:23, 114:1  <b>Avenue</b> [5] - 1:16, 2:8, 2:13, 17:22, 54:21  <b>average</b> [1] - 120:3  <b>avoid</b> [9] - 7:19, 50:9, 59:18, 59:24, 72:9, 94:15, 105:17, 128:14  <b>avoidance</b> [3] - 57:19, 57:21, 58:10  <b>avoided</b> [1] - 62:18  <b>avoiding</b> [1] - 58:22  <b>AVS</b> [2] - 50:2, 93:23  <b>aware</b> [14] - 20:16, 28:12, 28:15, 28:16, 28:22, 28:23, 29:1, 36:2, 61:18, 83:11, 84:16, 89:17, 91:14, 117:8  <b>awareness</b> [1] - 84:13</p>	<p><b>backfill</b> [2] - 24:23, 24:25  <b>backfilling</b> [3] - 24:16, 24:19, 25:1  <b>background</b> [2] - 54:25, 68:14  <b>backup</b> [1] - 27:3  <b>bad</b> [1] - 73:9  <b>Bakken</b> [3] - 20:17, 20:24, 120:16  <b>balance</b> [3] - 12:1, 12:7  <b>Bar</b> [1] - 12:23  <b>bare</b> [1] - 95:17  <b>barrels</b> [1] - 45:9  <b>based</b> [14] - 21:20, 22:7, 22:17, 34:3, 34:8, 44:20, 48:21, 62:3, 69:23, 80:13, 81:24, 103:10  <b>baseline</b> [3] - 25:5, 25:7, 49:6  <b>bashful</b> [1] - 27:1  <b>Basin</b> [24] - 2:7, 9:11, 9:15, 17:20, 17:25, 18:3, 18:4, 20:22, 23:16, 30:15, 37:17, 38:15, 51:24, 54:20, 55:5, 55:12, 55:20, 56:8, 61:3, 72:5, 116:21, 119:17, 119:22, 121:17  <b>Basin's</b> [2] - 23:5, 86:12  <b>Batroot</b> [3] - 109:21, 109:23, 112:1  <b>BATROOT</b> [7] - 5:9, 109:21, 109:25, 110:3, 110:7, 110:11, 110:12  <b>Batroot.....</b> [1] - 5:10  <b>become</b> [4] - 17:11, 108:13, 112:20, 112:22  <b>becomes</b> [1] - 108:16  <b>beef</b> [1] - 36:16  <b>BEFORE</b> [1] - 1:22  <b>begin</b> [5] - 7:17, 21:21, 50:12, 50:15, 60:23  <b>beginning</b> [2] - 26:24, 120:25  <b>begins</b> [1] - 24:7  <b>behalf</b> [6] - 9:7, 10:1, 122:4, 122:8, 122:10, 122:19  <b>behind</b> [3] - 120:2, 121:17, 123:7  <b>below</b> [1] - 111:6  <b>beneath</b> [1] - 35:1  <b>benefit</b> [1] - 21:10  <b>benefits</b> [1] - 21:9  <b>best</b> [5] - 12:19, 13:19, 88:23, 96:7, 104:2  <b>better</b> [4] - 26:21, 38:9, 39:2, 46:12  <b>between</b> [4] - 12:22, 56:7, 64:14, 69:6  <b>Beulah</b> [5] - 1:17, 7:16, 11:11, 14:17, 75:16</p>
<b>B</b>			
<p><b>B-a-t-r-o-o-t</b> [1] - 109:22  <b>B-e-r-r-y</b> [1] - 74:18  <b>bachelor's</b> [2] - 55:2, 55:4  <b>back-and-forth</b> [1] - 69:16</p>			

<p><b>Beulah's</b> [1] - 11:12  <b>beyond</b> [1] - 52:2  <b>bids</b> [1] - 50:18  <b>big</b> [5] - 11:17, 38:2, 42:23, 59:1, 111:5  <b>Bill</b> [1] - 128:5  <b>binder</b> [3] - 57:2, 58:8, 64:24  <b>bird's</b> [1] - 110:14  <b>bird's-eye</b> [1] - 110:14  <b>birds</b> [2] - 71:13, 71:14  <b>Bismarck</b> [5] - 2:8, 2:14, 17:22, 54:22, 131:13  <b>bit</b> [14] - 33:14, 33:21, 40:18, 43:7, 56:3, 56:17, 56:20, 57:9, 59:19, 64:20, 67:24, 69:5, 69:15, 81:20  <b>blanket</b> [1] - 123:16  <b>block</b> [6] - 19:8, 65:3, 85:17, 92:21, 93:12  <b>Blue</b> [1] - 120:24  <b>Board</b> [1] - 70:14  <b>boards</b> [1] - 92:16  <b>bond</b> [3] - 95:12, 116:10, 116:19  <b>bore</b> [2] - 31:19, 98:22  <b>bored</b> [1] - 62:17  <b>boring</b> [2] - 31:21, 64:18  <b>borings</b> [1] - 30:1  <b>bottom</b> [1] - 18:15  <b>Box</b> [1] - 2:14  <b>BRAD</b> [2] - 5:4, 106:15  <b>Brad</b> [3] - 105:23, 108:3, 109:11  <b>branch</b> [8] - 19:1, 19:14, 41:14, 41:22, 41:24, 42:3, 98:10  <b>branching</b> [1] - 18:25  <b>break</b> [3] - 11:6, 11:18, 74:2  <b>BRIAN</b> [1] - 2:4  <b>brief</b> [1] - 128:23  <b>brigade</b> [3] - 78:6, 93:9, 101:4  <b>bring</b> [1] - 14:7  <b>brings</b> [1] - 104:19  <b>broad</b> [1] - 100:24  <b>brochures</b> [1] - 84:14  <b>Broom</b> [1] - 34:20  <b>brought</b> [1] - 107:14  <b>build</b> [1] - 121:14  <b>building</b> [4] - 32:8, 89:20, 91:6  <b>buildings</b> [1] - 52:3  <b>bunch</b> [1] - 71:9  <b>bury</b> [1] - 98:20  <b>business</b> [4] - 17:17, 54:18, 75:11, 119:12  <b>businesses</b> [3] - 32:5, 57:21, 78:11  <b>BY</b> [28] - 17:16, 25:14, 32:2,</p>	<p>33:12, 43:22, 47:2, 51:17, 52:8, 52:24, 54:17, 63:8, 67:22, 69:2, 72:20, 75:10, 81:16, 84:23, 87:13, 94:6, 97:20, 106:19, 107:6, 108:7, 110:11, 113:2, 114:8, 115:23, 119:9</p> <p style="text-align: center;"><b>C</b></p> <p><b>C2</b> [2] - 65:3, 65:4  <b>calculated</b> [1] - 22:18  <b>calculating</b> [1] - 82:6  <b>calendar</b> [1] - 129:22  <b>Canada</b> [13] - 40:8, 41:16, 45:23, 49:3, 66:7, 71:9, 76:1, 84:2, 91:3, 93:20, 95:1, 98:7, 121:4  <b>capability</b> [1] - 8:3  <b>capable</b> [3] - 19:17, 27:5, 45:18  <b>capture</b> [5] - 41:8, 47:17, 94:20, 120:14, 120:21  <b>captured</b> [1] - 40:8  <b>capturing</b> [6] - 40:24, 41:7, 41:10, 45:18, 48:4, 97:1  <b>Carbon</b> [1] - 1:5  <b>carbon</b> [8] - 8:6, 21:16, 47:17, 85:8, 94:10, 119:19, 120:14, 120:21  <b>carbonic</b> [1] - 94:24  <b>care</b> [3] - 80:22, 92:19, 127:6  <b>carrying</b> [1] - 124:9  <b>Case</b> [2] - 1:5, 7:9  <b>case</b> [10] - 10:23, 11:18, 14:7, 44:25, 79:9, 90:24, 102:4, 113:17, 123:20, 127:5  <b>cases</b> [1] - 72:4  <b>Casey</b> [1] - 9:7  <b>CASEY</b> [1] - 2:6  <b>catalyst</b> [1] - 114:23  <b>catholic</b> [5] - 76:25, 95:20, 96:3, 96:10, 104:1  <b>catholically</b> [1] - 95:11  <b>caught</b> [1] - 51:20  <b>cell</b> [1] - 7:18  <b>center</b> [9] - 11:20, 77:24, 77:25, 91:24, 92:6, 92:13, 92:16, 93:1, 125:18  <b>Center</b> [1] - 7:16  <b>centerline</b> [1] - 103:22  <b>centers</b> [1] - 101:19  <b>Central</b> [1] - 1:16  <b>centrally</b> [1] - 12:22  <b>certain</b> [1] - 85:9  <b>certainly</b> [8] - 13:25, 50:25, 51:18, 56:7, 63:16, 68:8, 113:15, 113:24</p>	<p><b>certificate</b> [2] - 8:2, 81:5  <b>CERTIFICATE</b> [2] - 3:14, 131:1  <b>Certificate</b> [1] - 3:15  <b>certification</b> [1] - 65:24  <b>certified</b> [1] - 78:3  <b>CERTIFY</b> [2] - 131:5, 131:9  <b>cetera</b> [4] - 38:1, 111:11, 125:6, 129:4  <b>Chair</b> [1] - 2:3  <b>challenged</b> [1] - 45:10  <b>chance</b> [3] - 65:18, 98:21, 125:21  <b>change</b> [4] - 14:24, 20:5, 29:19, 121:15  <b>changed</b> [2] - 98:6, 98:24  <b>changes</b> [5] - 20:3, 23:23, 25:19, 108:14, 117:9  <b>changing</b> [2] - 95:21, 120:25  <b>chapter</b> [1] - 124:22  <b>check</b> [6] - 7:18, 45:17, 76:24, 77:4, 95:3, 95:9  <b>checklist</b> [1] - 14:20  <b>cheerleading</b> [1] - 15:13  <b>chemical</b> [1] - 47:22  <b>chose</b> [1] - 11:19  <b>CHRISTMANN</b> [20] - 2:4, 12:18, 43:22, 46:22, 51:17, 52:4, 69:2, 72:16, 94:6, 97:15, 108:7, 109:3, 113:2, 114:3, 117:2, 117:5, 117:23, 123:13, 124:8, 129:9  <b>Christmann</b> [10] - 12:17, 43:20, 51:15, 68:23, 94:4, 108:5, 112:25, 115:25, 123:12, 129:8  <b>Christmann.</b> [5] - 3:24, 4:12, 4:20, 5:7, 5:11  <b>Christmann.....</b>  ..... [1] - 4:3  <b>Christmann.....</b>  ..... [2] - 3:7, 3:11  <b>citizens</b> [1] - 8:14  <b>clarified</b> [1] - 69:3  <b>clarify</b> [4] - 47:10, 72:21, 126:12, 128:11  <b>Class</b> [2] - 17:4, 69:22  <b>Claude</b> [5] - 9:17, 26:19, 74:12, 74:17, 75:13  <b>CLAUDE</b> [2] - 4:14, 75:6  <b>clean</b> [1] - 72:6  <b>clear</b> [1] - 72:23  <b>clock</b> [1] - 92:10  <b>close</b> [12] - 32:14, 42:11, 44:5, 58:14, 68:5, 79:3, 80:18, 83:3, 83:24, 89:8, 90:7  <b>closed</b> [1] - 82:24  <b>closer</b> [3] - 50:20, 91:20,</p>	<p>100:21  <b>closest</b> [1] - 53:4  <b>closing</b> [6] - 124:22, 126:7, 126:8, 126:9, 126:11, 128:18  <b>Closing</b> [4] - 3:9, 3:10, 3:11, 3:12  <b>CO2</b> [50] - 19:6, 20:13, 20:25, 21:4, 21:9, 21:10, 26:19, 33:18, 34:9, 34:10, 34:24, 35:12, 37:7, 37:10, 38:4, 39:3, 39:22, 40:7, 40:20, 41:10, 41:15, 44:1, 44:15, 45:11, 47:12, 48:9, 48:22, 49:3, 49:14, 75:25, 76:14, 77:10, 77:11, 77:13, 79:7, 85:1, 85:4, 85:6, 86:5, 93:16, 93:20, 94:19, 94:22, 94:24, 98:1, 99:4, 108:17, 112:5, 128:6  <b>coal</b> [7] - 15:8, 21:14, 47:14, 48:2, 121:5, 123:1, 123:7  <b>Coal</b> [1] - 120:24  <b>coating</b> [6] - 77:1, 77:2, 95:19, 96:12, 96:13, 96:15  <b>cold</b> [3] - 85:8, 88:3  <b>colder</b> [1] - 87:19  <b>combustion</b> [1] - 55:8  <b>coming</b> [11] - 29:20, 44:21, 81:25, 82:4, 82:11, 85:15, 112:2, 119:16, 120:22, 124:5, 124:6  <b>command</b> [2] - 77:19, 77:24  <b>commander</b> [1] - 77:23  <b>commencing</b> [1] - 7:2  <b>comment</b> [10] - 10:15, 28:1, 28:4, 29:2, 31:13, 41:21, 61:19, 68:20, 107:18, 128:4  <b>Comments</b> [7] - 3:4, 3:5, 3:6, 3:8, 3:10, 3:11, 3:12  <b>comments</b> [9] - 11:8, 14:1, 58:17, 104:22, 110:12, 114:24, 122:1, 128:18, 129:10  <b>Commission</b> [29] - 7:8, 7:14, 7:23, 9:23, 10:2, 10:8, 10:19, 10:21, 10:22, 11:4, 14:22, 27:11, 27:14, 29:17, 29:20, 38:10, 56:13, 64:1, 70:16, 70:20, 73:24, 105:7, 105:8, 107:13, 107:15, 112:11, 113:20, 114:12, 123:23  <b>COMMISSION</b> [2] - 1:3, 2:16  <b>commission</b> [1] - 28:19  <b>Commission's</b> [2] - 28:14, 61:15  <b>commissioned</b> [1] - 55:16  <b>Commissioner</b> [55] - 3:5,</p>
--	--	---	---

<p>3:6, 3:8, 3:10, 3:11, 3:12, 3:23, 3:24, 3:25, 4:2, 4:4, 4:5, 4:11, 4:12, 4:13, 4:19, 4:20, 4:21, 5:7, 5:11, 5:12, 11:9, 12:17, 14:12, 33:9, 43:20, 45:8, 45:16, 46:25, 51:15, 52:6, 52:19, 52:22, 67:19, 68:23, 72:18, 87:10, 94:4, 97:18, 107:25, 108:5, 109:9, 110:25, 111:24, 112:25, 114:6, 115:25, 118:6, 118:8, 121:24, 123:12, 124:13, 128:20, 129:8, 129:12</p> <p><b>COMMISSIONER</b> [56] - 2:3, 2:4, 2:4, 11:10, 12:18, 14:14, 33:12, 43:16, 43:22, 46:22, 47:2, 51:4, 51:17, 52:4, 52:8, 52:18, 52:21, 52:24, 53:13, 67:20, 67:22, 68:21, 69:2, 72:16, 72:20, 73:15, 87:11, 87:13, 94:2, 94:6, 97:15, 97:20, 103:24, 108:2, 108:7, 109:3, 109:10, 111:25, 113:2, 114:3, 114:8, 114:21, 117:2, 117:5, 117:23, 118:7, 118:9, 121:25, 123:13, 124:8, 124:14, 124:19, 125:25, 128:22, 129:9, 129:13</p> <p><b>commissioner</b> [3] - 51:14, 66:4, 104:13</p> <p><b>commissioners</b> [6] - 10:18, 11:9, 27:23, 80:20, 105:8, 107:11</p> <p><b>COMMISSIONERS</b> [1] - 2:2</p> <p><b>commissioning</b> [5] - 18:11, 22:2, 75:24, 76:2, 76:9</p> <p><b>commit</b> [1] - 29:19</p> <p><b>committed</b> [2] - 45:16, 72:6</p> <p><b>common</b> [3] - 79:20, 111:2, 112:21</p> <p><b>communication</b> [2] - 23:12, 38:14</p> <p><b>community</b> [4] - 38:15, 38:16, 38:20</p> <p><b>companies</b> [2] - 78:22, 124:10</p> <p><b>Company</b> [5] - 1:5, 8:2, 9:8, 75:15, 105:25</p> <p><b>company</b> [13] - 14:3, 29:19, 30:7, 65:22, 66:9, 67:12, 78:19, 80:1, 83:23, 90:14, 91:1, 128:24, 129:3</p> <p><b>COMPANY</b> [1] - 2:10</p> <p><b>company's</b> [1] - 31:18</p> <p><b>Company's</b> [3] - 10:13, 18:16, 26:13</p> <p><b>compatible</b> [1] - 8:17</p>	<p><b>complete</b> [5] - 25:2, 25:5, 43:2, 46:13, 52:11</p> <p><b>completed</b> [2] - 25:25, 63:18</p> <p><b>completion</b> [1] - 10:12</p> <p><b>compliance</b> [2] - 9:14, 54:23</p> <p><b>compromised</b> [1] - 78:21</p> <p><b>computer</b> [2] - 80:13, 81:23</p> <p><b>computer-based</b> [1] - 80:13</p> <p><b>concept</b> [1] - 71:8</p> <p><b>concern</b> [9] - 60:8, 60:11, 96:17, 96:25, 108:10, 109:6, 110:24, 111:6, 128:11</p> <p><b>concerned</b> [3] - 70:22, 108:18, 114:20</p> <p><b>concerns</b> [12] - 13:22, 37:15, 53:6, 60:3, 60:9, 71:12, 110:18, 110:22, 112:17, 114:18, 122:12</p> <p><b>conclude</b> [2] - 126:6, 130:8</p> <p><b>Concluded</b> [1] - 130:10</p> <p><b>concludes</b> [1] - 43:17</p> <p><b>concurred</b> [2] - 56:23, 69:24</p> <p><b>concurrence</b> [2] - 56:22, 57:1</p> <p><b>condition</b> [1] - 103:4</p> <p><b>conditional</b> [4] - 28:18, 60:17, 60:20, 70:8</p> <p><b>conditions</b> [4] - 21:23, 29:11, 29:12, 103:2</p> <p><b>conducted</b> [1] - 70:24</p> <p><b>conducts</b> [1] - 79:2</p> <p><b>conference</b> [1] - 119:18</p> <p><b>confidence</b> [1] - 125:13</p> <p><b>confident</b> [1] - 52:15</p> <p><b>confining</b> [2] - 34:25, 35:2</p> <p><b>confirm</b> [1] - 49:10</p> <p><b>conflict</b> [1] - 53:11</p> <p><b>confused</b> [1] - 69:5</p> <p><b>congrats</b> [1] - 124:11</p> <p><b>connect</b> [1] - 19:6</p> <p><b>connection</b> [2] - 19:18, 76:6</p> <p><b>conscious</b> [1] - 12:10</p> <p><b>consents</b> [1] - 58:6</p> <p><b>consider</b> [1] - 129:6</p> <p><b>consideration</b> [3] - 22:25, 34:14, 71:11</p> <p><b>considerations</b> [1] - 22:23</p> <p><b>considered</b> [2] - 8:9, 10:22</p> <p><b>consistent</b> [2] - 33:4, 68:9</p> <p><b>constant</b> [2] - 88:5, 122:2</p> <p><b>constantly</b> [5] - 91:17, 91:19, 94:1, 96:12, 103:20</p> <p><b>constrained</b> [1] - 58:11</p> <p><b>constructed</b> [1] - 23:25</p> <p><b>construction</b> [28] - 8:11, 8:19, 18:11, 21:19, 21:21, 21:22, 21:24, 22:2, 22:18, 24:7, 29:7, 29:13, 29:18,</p>	<p>29:21, 30:11, 50:12, 52:10, 60:23, 60:25, 61:4, 62:14, 65:20, 71:21, 72:23, 76:8, 76:17, 80:7, 81:2</p> <p><b>construction's</b> [1] - 29:11</p> <p><b>consult</b> [2] - 29:20, 64:10</p> <p><b>consultant</b> [7] - 35:8, 36:22, 37:2, 37:3, 60:5, 65:21, 69:23</p> <p><b>consultants</b> [2] - 36:21, 56:5</p> <p><b>consultation</b> [10] - 23:6, 28:11, 28:13, 35:10, 37:8, 64:5, 64:7, 66:22, 70:6, 107:12</p> <p><b>consulted</b> [2] - 59:6, 64:5</p> <p><b>Cont'd</b> [3] - 4:1, 5:1, 6:1</p> <p><b>contact</b> [3] - 66:24, 90:19, 107:19</p> <p><b>contacts</b> [1] - 31:5</p> <p><b>contain</b> [3] - 57:15, 57:18, 131:10</p> <p><b>contents</b> [1] - 55:25</p> <p><b>continuation</b> [1] - 15:4</p> <p><b>continue</b> [8] - 15:8, 20:20, 20:22, 21:23, 101:12, 107:20, 116:14, 117:8</p> <p><b>continued</b> [1] - 125:10</p> <p><b>continuing</b> [1] - 8:22</p> <p><b>contract</b> [4] - 40:16, 45:22, 72:15, 91:1</p> <p><b>contracting</b> [1] - 72:11</p> <p><b>contractor</b> [4] - 21:25, 24:9, 61:4, 70:10</p> <p><b>contractors</b> [4] - 50:14, 72:6, 121:12, 125:22</p> <p><b>contracts</b> [3] - 40:7, 40:10, 84:3</p> <p><b>contribution</b> [1] - 21:15</p> <p><b>control</b> [21] - 19:8, 24:6, 26:12, 26:16, 67:2, 76:21, 76:22, 77:24, 80:15, 82:12, 82:14, 82:19, 82:22, 82:24, 92:7, 92:8, 92:16, 101:15, 101:18</p> <p><b>conversation</b> [1] - 15:4</p> <p><b>conversations</b> [1] - 108:23</p> <p><b>Cooperative</b> [1] - 2:7</p> <p><b>coordinating</b> [1] - 18:10</p> <p><b>coordination</b> [3] - 56:7, 58:15, 68:5</p> <p><b>coordinator</b> [1] - 9:15</p> <p><b>copies</b> [1] - 126:20</p> <p><b>copy</b> [3] - 63:15, 126:15, 127:8</p> <p><b>core</b> [2] - 123:5, 124:4</p> <p><b>cores</b> [1] - 34:6</p> <p><b>Corps</b> [1] - 66:19</p> <p><b>correct</b> [31] - 27:8, 27:12, 28:19, 28:20, 29:6, 29:9, 30:16, 30:17, 36:6, 40:4,</p>	<p>40:19, 46:18, 47:15, 47:16, 47:20, 47:21, 47:23, 48:10, 48:13, 48:14, 49:4, 49:19, 53:2, 66:1, 69:11, 69:13, 70:11, 70:17, 73:1, 103:22, 112:7</p> <p><b>correctly</b> [3] - 24:10, 73:2, 114:15</p> <p><b>correspondence</b> [1] - 70:6</p> <p><b>corridor</b> [29] - 8:3, 30:21, 49:18, 49:22, 50:2, 56:9, 56:11, 56:14, 56:16, 57:8, 59:5, 59:11, 60:14, 60:16, 62:13, 62:15, 70:1, 71:1, 72:23, 79:25, 84:15, 87:1, 88:18, 102:2, 102:7, 103:6, 106:21, 106:23</p> <p><b>corrosion</b> [12] - 48:21, 48:24, 76:22, 76:24, 95:2, 95:3, 95:6, 95:7, 95:8, 95:23, 99:15, 99:16</p> <p><b>corrosive</b> [2] - 48:10, 94:22</p> <p><b>corrosiveness</b> [2] - 94:16, 94:17</p> <p><b>Cortina</b> [1] - 120:6</p> <p><b>cost</b> [1] - 23:2</p> <p><b>Coteau</b> [21] - 23:6, 23:9, 23:17, 28:11, 30:15, 32:15, 32:18, 42:13, 51:21, 56:8, 57:25, 58:5, 58:15, 68:5, 68:18, 89:20, 105:25, 106:21, 106:22, 107:14, 115:9</p> <p><b>Coteau's</b> [2] - 32:8, 81:10</p> <p><b>Counsel</b> [1] - 2:7</p> <p><b>counties</b> [1] - 91:6</p> <p><b>counting</b> [2] - 55:9, 73:9</p> <p><b>country</b> [4] - 15:6, 48:1, 77:21, 122:9</p> <p><b>County</b> [12] - 1:6, 8:7, 13:2, 28:19, 28:25, 60:18, 60:21, 70:14, 70:16, 75:15, 83:20, 113:7</p> <p><b>county</b> [5] - 28:19, 61:12, 70:8, 71:3, 97:6</p> <p><b>county's</b> [1] - 97:10</p> <p><b>couple</b> [11] - 10:16, 31:25, 32:20, 42:9, 43:24, 56:4, 59:1, 60:24, 81:18, 89:12</p> <p><b>coupons</b> [3] - 95:2, 95:3, 95:8</p> <p><b>course</b> [3] - 23:8, 56:4, 58:12</p> <p><b>Court</b> [1] - 3:15</p> <p><b>COURT</b> [1] - 131:1</p> <p><b>cover</b> [2] - 33:1, 88:19</p> <p><b>covered</b> [1] - 70:16</p> <p><b>covering</b> [1] - 112:21</p> <p><b>COVID</b> [1] - 125:16</p> <p><b>coworker</b> [1] - 120:6</p> <p><b>creates</b> [1] - 45:14</p>
--	---	---	---

<p><b>credits</b> [2] - 20:11, 20:14  <b>Creek</b> [2] - 34:20, 120:24  <b>criteria</b> [2] - 33:17, 58:7  <b>critical</b> [2] - 15:11, 85:21  <b>Crosby</b> [1] - 84:3  <b>cross</b> [3] - 31:21, 50:8, 72:8  <b>crosses</b> [1] - 62:15  <b>crossing</b> [8] - 23:19, 23:22, 27:24, 32:16, 42:18, 61:12, 80:6  <b>crossings</b> [4] - 25:20, 26:2, 42:17, 50:5  <b>cubic</b> [11] - 21:7, 22:22, 39:19, 39:23, 45:13, 45:19, 45:21, 45:25, 46:4, 46:5, 46:10  <b>cultivated</b> [1] - 71:25  <b>cultural</b> [7] - 31:10, 56:5, 57:3, 57:6, 57:9, 69:19  <b>curiosity</b> [3] - 37:13, 47:4, 73:11  <b>current</b> [3] - 75:25, 77:11, 107:12  <b>customers</b> [3] - 40:8, 121:11, 125:22  <b>cutting</b> [1] - 37:17</p>	<p><b>deal</b> [3] - 38:3, 77:18, 100:10  <b>Dean</b> [4] - 107:19, 116:2, 117:12, 117:17  <b>decade</b> [1] - 119:17  <b>decades</b> [6] - 46:14, 49:15, 97:24, 97:25, 119:21, 124:4  <b>decide</b> [1] - 10:22  <b>decision</b> [2] - 13:15, 128:13  <b>dedicated</b> [2] - 78:22, 82:15  <b>deep</b> [2] - 91:14, 95:25  <b>deeper</b> [1] - 110:24  <b>deeply</b> [1] - 111:8  <b>defer</b> [3] - 66:13, 71:15, 72:10  <b>deferred</b> [1] - 66:5  <b>define</b> [1] - 65:7  <b>definite</b> [1] - 48:17  <b>definitely</b> [1] - 122:25  <b>degree</b> [1] - 125:13  <b>degrees</b> [4] - 22:20, 55:1, 87:25, 102:24  <b>deliberate</b> [1] - 122:20  <b>delineation</b> [3] - 61:25, 63:11, 126:14  <b>deliveries</b> [1] - 21:20  <b>department</b> [5] - 17:25, 78:2, 83:20, 92:3, 107:16  <b>Department</b> [6] - 22:8, 55:13, 84:3, 84:4, 120:12  <b>departments</b> [1] - 79:6  <b>depth</b> [2] - 33:1, 34:16  <b>DEQ</b> [2] - 61:8, 108:16  <b>describe</b> [9] - 21:17, 22:5, 22:13, 22:23, 54:24, 58:4, 76:10, 77:6, 77:15  <b>described</b> [1] - 65:6  <b>describing</b> [1] - 18:18  <b>description</b> [1] - 18:12  <b>design</b> [8] - 18:11, 22:5, 22:7, 22:11, 76:8, 80:11, 80:12, 98:2  <b>designated</b> [2] - 7:11, 7:12  <b>designation</b> [1] - 70:5  <b>designed</b> [2] - 22:21, 46:9  <b>desktop</b> [1] - 62:21  <b>detail</b> [1] - 81:21  <b>details</b> [3] - 34:16, 39:1, 39:3  <b>detect</b> [1] - 88:24  <b>detectable</b> [1] - 88:9  <b>detection</b> [3] - 80:13, 81:21, 88:25  <b>determined</b> [2] - 8:10, 34:18  <b>develop</b> [1] - 36:22  <b>developed</b> [1] - 44:2  <b>developer</b> [1] - 13:10  <b>developing</b> [3] - 122:13, 124:10, 125:20  <b>development</b> [9] - 12:2,</p>	<p>20:7, 23:4, 27:17, 37:6, 37:7, 39:7, 119:12, 123:18  <b>develops</b> [1] - 113:23  <b>DGC</b> [33] - 9:8, 9:19, 18:5, 18:21, 19:6, 20:6, 20:9, 20:11, 20:12, 23:5, 23:13, 32:11, 34:5, 40:7, 45:14, 47:15, 48:2, 55:21, 56:8, 57:22, 58:5, 58:13, 59:12, 59:15, 60:17, 60:22, 63:14, 64:14, 66:6, 75:18, 83:9, 91:24, 116:21  <b>DGC's</b> [6] - 22:23, 49:4, 58:4, 75:25, 77:11, 77:15  <b>DGC-related</b> [1] - 55:21  <b>diameter</b> [2] - 8:6, 77:4  <b>dictated</b> [1] - 44:5  <b>difference</b> [2] - 42:1, 82:3  <b>different</b> [7] - 48:3, 50:6, 56:7, 60:6, 91:11, 116:14, 123:5  <b>differently</b> [2] - 41:15, 41:24  <b>Dig</b> [1] - 84:17  <b>digging</b> [1] - 112:9  <b>diluted</b> [1] - 102:21  <b>Dioxide</b> [1] - 1:5  <b>dioxide</b> [2] - 8:6, 85:8  <b>direct</b> [1] - 23:1  <b>directly</b> [1] - 100:22  <b>director</b> [3] - 116:1, 116:16, 119:11  <b>Director</b> [1] - 116:16  <b>disagree</b> [1] - 105:20  <b>discharge</b> [1] - 61:8  <b>discuss</b> [5] - 11:7, 58:17, 72:4, 80:3, 105:14  <b>discussion</b> [1] - 116:1  <b>Discussion.....</b>  [1] - 3:9  <b>discussions</b> [1] - 108:8  <b>dispersion</b> [1] - 88:12  <b>disposal</b> [3] - 34:5, 108:12, 108:13  <b>disrupted</b> [1] - 65:19  <b>disseminated</b> [1] - 111:10  <b>distance</b> [1] - 103:19  <b>District</b> [1] - 66:25  <b>disturbance</b> [3] - 7:20, 76:16, 117:18  <b>disturbed</b> [4] - 58:24, 62:5, 69:17, 69:21  <b>ditches</b> [4] - 71:19, 97:3, 97:5, 97:7  <b>Division</b> [1] - 120:12  <b>division</b> [3] - 28:14, 116:2, 116:22  <b>dizziness</b> [1] - 99:21  <b>DO</b> [2] - 131:5, 131:9  <b>documented</b> [1] - 57:11  <b>documents</b> [4] - 11:3, 11:5,</p>	<p>25:18, 27:20  <b>done</b> [32] - 13:17, 24:22, 38:14, 38:17, 39:2, 43:12, 52:20, 52:21, 58:14, 62:22, 63:19, 67:1, 69:20, 71:17, 78:17, 81:18, 84:9, 84:11, 86:10, 86:11, 96:20, 101:3, 101:5, 101:7, 103:13, 104:25, 108:20, 119:22, 121:2, 121:5, 123:6, 125:14  <b>door</b> [1] - 13:13  <b>dot</b> [1] - 18:24  <b>down</b> [13] - 33:20, 34:21, 72:22, 85:16, 85:20, 85:24, 90:19, 93:21, 95:16, 102:20, 119:16, 125:17  <b>downs</b> [1] - 23:9  <b>downwind</b> [1] - 102:17  <b>draft</b> [1] - 25:17  <b>drafted</b> [1] - 23:18  <b>drafts</b> [1] - 42:14  <b>drew</b> [1] - 116:9  <b>drill</b> [2] - 36:23, 101:2  <b>drilled</b> [2] - 35:22, 36:1  <b>drilling</b> [1] - 35:9  <b>drills</b> [2] - 101:4, 101:7  <b>driving</b> [1] - 120:7  <b>dry</b> [4] - 85:7, 85:9, 94:25  <b>due</b> [3] - 25:19, 57:14, 113:8  <b>duly</b> [7] - 17:13, 54:14, 75:7, 106:16, 110:8, 115:20, 119:6  <b>dunk</b> [1] - 39:10  <b>duplicate</b> [1] - 70:2  <b>Durick</b> [1] - 2:12  <b>during</b> [8] - 7:20, 11:6, 18:3, 23:8, 76:8, 82:6, 87:5, 100:8  <b>duty</b> [1] - 73:12</p>
<b>D</b>			
<p><b>dad</b> [1] - 113:10  <b>Dairy</b> [1] - 12:22  <b>DAKOTA</b> [2] - 1:2, 2:9  <b>Dakota</b> [52] - 1:5, 1:17, 2:8, 2:14, 7:8, 7:16, 8:2, 8:7, 8:15, 9:7, 10:13, 13:18, 15:5, 15:17, 17:3, 17:22, 18:16, 26:12, 35:13, 38:5, 54:4, 54:22, 55:2, 55:12, 55:16, 55:18, 58:18, 59:7, 61:14, 64:6, 74:22, 75:14, 75:16, 78:20, 78:21, 79:23, 119:14, 119:16, 119:21, 119:24, 120:6, 120:10, 120:18, 121:1, 121:10, 121:15, 121:17, 122:23, 123:6, 123:10, 125:18, 131:13  <b>Dakota's</b> [1] - 60:7  <b>damage</b> [4] - 24:22, 24:24, 85:23, 86:18  <b>danger</b> [2] - 88:8, 88:15  <b>dangerous</b> [1] - 88:10  <b>data</b> [1] - 71:24  <b>date</b> [5] - 7:6, 22:4, 38:22, 42:15, 60:10  <b>dated</b> [1] - 68:12  <b>Dated</b> [1] - 131:13  <b>deadline</b> [4] - 127:20, 129:17, 129:23, 130:2</p>	<p><b>dad</b> [1] - 113:10  <b>Dairy</b> [1] - 12:22  <b>DAKOTA</b> [2] - 1:2, 2:9  <b>Dakota</b> [52] - 1:5, 1:17, 2:8, 2:14, 7:8, 7:16, 8:2, 8:7, 8:15, 9:7, 10:13, 13:18, 15:5, 15:17, 17:3, 17:22, 18:16, 26:12, 35:13, 38:5, 54:4, 54:22, 55:2, 55:12, 55:16, 55:18, 58:18, 59:7, 61:14, 64:6, 74:22, 75:14, 75:16, 78:20, 78:21, 79:23, 119:14, 119:16, 119:21, 119:24, 120:6, 120:10, 120:18, 121:1, 121:10, 121:15, 121:17, 122:23, 123:6, 123:10, 125:18, 131:13  <b>Dakota's</b> [1] - 60:7  <b>damage</b> [4] - 24:22, 24:24, 85:23, 86:18  <b>danger</b> [2] - 88:8, 88:15  <b>dangerous</b> [1] - 88:10  <b>data</b> [1] - 71:24  <b>date</b> [5] - 7:6, 22:4, 38:22, 42:15, 60:10  <b>dated</b> [1] - 68:12  <b>Dated</b> [1] - 131:13  <b>deadline</b> [4] - 127:20, 129:17, 129:23, 130:2</p>	<p>20:7, 23:4, 27:17, 37:6, 37:7, 39:7, 119:12, 123:18  <b>develops</b> [1] - 113:23  <b>DGC</b> [33] - 9:8, 9:19, 18:5, 18:21, 19:6, 20:6, 20:9, 20:11, 20:12, 23:5, 23:13, 32:11, 34:5, 40:7, 45:14, 47:15, 48:2, 55:21, 56:8, 57:22, 58:5, 58:13, 59:12, 59:15, 60:17, 60:22, 63:14, 64:14, 66:6, 75:18, 83:9, 91:24, 116:21  <b>DGC's</b> [6] - 22:23, 49:4, 58:4, 75:25, 77:11, 77:15  <b>DGC-related</b> [1] - 55:21  <b>diameter</b> [2] - 8:6, 77:4  <b>dictated</b> [1] - 44:5  <b>difference</b> [2] - 42:1, 82:3  <b>different</b> [7] - 48:3, 50:6, 56:7, 60:6, 91:11, 116:14, 123:5  <b>differently</b> [2] - 41:15, 41:24  <b>Dig</b> [1] - 84:17  <b>digging</b> [1] - 112:9  <b>diluted</b> [1] - 102:21  <b>Dioxide</b> [1] - 1:5  <b>dioxide</b> [2] - 8:6, 85:8  <b>direct</b> [1] - 23:1  <b>directly</b> [1] - 100:22  <b>director</b> [3] - 116:1, 116:16, 119:11  <b>Director</b> [1] - 116:16  <b>disagree</b> [1] - 105:20  <b>discharge</b> [1] - 61:8  <b>discuss</b> [5] - 11:7, 58:17, 72:4, 80:3, 105:14  <b>discussion</b> [1] - 116:1  <b>Discussion.....</b>  [1] - 3:9  <b>discussions</b> [1] - 108:8  <b>dispersion</b> [1] - 88:12  <b>disposal</b> [3] - 34:5, 108:12, 108:13  <b>disrupted</b> [1] - 65:19  <b>disseminated</b> [1] - 111:10  <b>distance</b> [1] - 103:19  <b>District</b> [1] - 66:25  <b>disturbance</b> [3] - 7:20, 76:16, 117:18  <b>disturbed</b> [4] - 58:24, 62:5, 69:17, 69:21  <b>ditches</b> [4] - 71:19, 97:3, 97:5, 97:7  <b>Division</b> [1] - 120:12  <b>division</b> [3] - 28:14, 116:2, 116:22  <b>dizziness</b> [1] - 99:21  <b>DO</b> [2] - 131:5, 131:9  <b>documented</b> [1] - 57:11  <b>documents</b> [4] - 11:3, 11:5,</p>	<p>25:18, 27:20  <b>done</b> [32] - 13:17, 24:22, 38:14, 38:17, 39:2, 43:12, 52:20, 52:21, 58:14, 62:22, 63:19, 67:1, 69:20, 71:17, 78:17, 81:18, 84:9, 84:11, 86:10, 86:11, 96:20, 101:3, 101:5, 101:7, 103:13, 104:25, 108:20, 119:22, 121:2, 121:5, 123:6, 125:14  <b>door</b> [1] - 13:13  <b>dot</b> [1] - 18:24  <b>down</b> [13] - 33:20, 34:21, 72:22, 85:16, 85:20, 85:24, 90:19, 93:21, 95:16, 102:20, 119:16, 125:17  <b>downs</b> [1] - 23:9  <b>downwind</b> [1] - 102:17  <b>draft</b> [1] - 25:17  <b>drafted</b> [1] - 23:18  <b>drafts</b> [1] - 42:14  <b>drew</b> [1] - 116:9  <b>drill</b> [2] - 36:23, 101:2  <b>drilled</b> [2] - 35:22, 36:1  <b>drilling</b> [1] - 35:9  <b>drills</b> [2] - 101:4, 101:7  <b>driving</b> [1] - 120:7  <b>dry</b> [4] - 85:7, 85:9, 94:25  <b>due</b> [3] - 25:19, 57:14, 113:8  <b>duly</b> [7] - 17:13, 54:14, 75:7, 106:16, 110:8, 115:20, 119:6  <b>dunk</b> [1] - 39:10  <b>duplicate</b> [1] - 70:2  <b>Durick</b> [1] - 2:12  <b>during</b> [8] - 7:20, 11:6, 18:3, 23:8, 76:8, 82:6, 87:5, 100:8  <b>duty</b> [1] - 73:12</p>
<b>E</b>			
<p><b>E-r-i-c-k-s-o-n</b> [1] - 105:24  <b>early</b> [4] - 22:2, 43:25, 66:16, 117:18  <b>easement</b> [1] - 25:18  <b>easements</b> [11] - 23:13, 23:15, 23:18, 23:21, 25:16, 25:21, 26:4, 42:11, 42:14, 60:16, 67:4  <b>easier</b> [2] - 45:1, 98:13  <b>East</b> [4] - 2:8, 2:13, 17:21, 54:21  <b>easy</b> [1] - 53:1  <b>echo</b> [1] - 14:17  <b>economically</b> [1] - 20:14  <b>EcoSystems</b> [1] - 60:5  <b>edge</b> [2] - 37:17, 62:12</p>	<p><b>E-r-i-c-k-s-o-n</b> [1] - 105:24  <b>early</b> [4] - 22:2, 43:25, 66:16, 117:18  <b>easement</b> [1] - 25:18  <b>easements</b> [11] - 23:13, 23:15, 23:18, 23:21, 25:16, 25:21, 26:4, 42:11, 42:14, 60:16, 67:4  <b>easier</b> [2] - 45:1, 98:13  <b>East</b> [4] - 2:8, 2:13, 17:21, 54:21  <b>easy</b> [1] - 53:1  <b>echo</b> [1] - 14:17  <b>economically</b> [1] - 20:14  <b>EcoSystems</b> [1] - 60:5  <b>edge</b> [2] - 37:17, 62:12</p>	<p><b>E-r-i-c-k-s-o-n</b> [1] - 105:24  <b>early</b> [4] - 22:2, 43:25, 66:16, 117:18  <b>easement</b> [1] - 25:18  <b>easements</b> [11] - 23:13, 23:15, 23:18, 23:21, 25:16, 25:21, 26:4, 42:11, 42:14, 60:16, 67:4  <b>easier</b> [2] - 45:1, 98:13  <b>East</b> [4] - 2:8, 2:13, 17:21, 54:21  <b>easy</b> [1] - 53:1  <b>echo</b> [1] - 14:17  <b>economically</b> [1] - 20:14  <b>EcoSystems</b> [1] - 60:5  <b>edge</b> [2] - 37:17, 62:12</p>	<p><b>E-r-i-c-k-s-o-n</b> [1] - 105:24  <b>early</b> [4] - 22:2, 43:25, 66:16, 117:18  <b>easement</b> [1] - 25:18  <b>easements</b> [11] - 23:13, 23:15, 23:18, 23:21, 25:16, 25:21, 26:4, 42:11, 42:14, 60:16, 67:4  <b>easier</b> [2] - 45:1, 98:13  <b>East</b> [4] - 2:8, 2:13, 17:21, 54:21  <b>easy</b> [1] - 53:1  <b>echo</b> [1] - 14:17  <b>economically</b> [1] - 20:14  <b>EcoSystems</b> [1] - 60:5  <b>edge</b> [2] - 37:17, 62:12</p>

<p><b>educated</b> [2] - 38:9, 110:21  <b>educational</b> [1] - 54:25  <b>EERC</b> [2] - 35:10, 37:8  <b>effective</b> [2] - 128:10, 128:14  <b>effects</b> [2] - 8:13, 100:11  <b>efficient</b> [1] - 8:18  <b>efforts</b> [1] - 58:4  <b>eight</b> [1] - 92:13  <b>either</b> [11] - 7:19, 30:12, 30:20, 32:23, 39:11, 43:10, 51:20, 88:1, 88:19, 89:11, 90:7  <b>elaborate</b> [1] - 83:16  <b>elected</b> [1] - 20:6  <b>Electric</b> [17] - 2:7, 9:15, 17:21, 17:25, 18:3, 20:22, 23:17, 30:15, 51:24, 54:21, 55:5, 55:12, 55:20, 56:8, 61:4, 119:23, 121:17  <b>electric</b> [1] - 49:24  <b>Electric's</b> [1] - 18:4  <b>electricity</b> [2] - 95:16, 95:21  <b>electronic</b> [1] - 81:21  <b>elements</b> [1] - 94:23  <b>emails</b> [1] - 64:13  <b>embark</b> [1] - 111:3  <b>emergencies</b> [2] - 84:1, 93:10  <b>emergency</b> [18] - 26:14, 29:4, 66:17, 76:19, 77:16, 77:17, 77:19, 78:16, 78:25, 79:7, 79:10, 83:17, 90:21, 91:10, 91:12, 99:24, 100:8, 102:15  <b>emissions</b> [5] - 21:11, 21:12, 21:16, 47:19  <b>emitted</b> [1] - 40:20  <b>emphasize</b> [2] - 39:13, 123:15  <b>employed</b> [2] - 17:24, 54:22  <b>employees</b> [2] - 83:10, 92:2  <b>employment</b> [3] - 17:23, 55:11, 75:17  <b>EMTs</b> [1] - 78:4  <b>enacted</b> [1] - 128:9  <b>encourage</b> [6] - 10:17, 14:2, 111:9, 112:12, 112:19, 122:6  <b>end</b> [17] - 13:25, 19:2, 19:20, 19:22, 21:22, 32:22, 33:24, 50:13, 50:14, 52:10, 108:13, 108:17, 117:11, 124:6, 124:22, 127:21  <b>endangered</b> [2] - 60:4, 60:7  <b>ends</b> [3] - 18:21, 96:25, 108:15  <b>Energy</b> [3] - 7:16, 20:18, 20:24  <b>energy</b> [10] - 8:24, 12:2, 12:3, 15:7, 15:9, 21:14,</p>	<p>121:5, 121:15, 122:12, 124:25  <b>engineer</b> [2] - 18:2, 55:18  <b>engineering</b> [5] - 9:11, 17:20, 17:25, 18:4, 55:4  <b>Engineering</b> [1] - 18:2  <b>Engineers</b> [1] - 66:19  <b>engineers</b> [1] - 96:4  <b>enhanced</b> [1] - 40:9  <b>ensuring</b> [3] - 8:22, 8:23, 24:8  <b>enter</b> [2] - 78:10, 126:15  <b>entered</b> [1] - 127:9  <b>entering</b> [1] - 16:6  <b>enthusiasm</b> [2] - 123:14, 124:1  <b>entire</b> [1] - 121:3  <b>entirely</b> [1] - 62:14  <b>entities</b> [1] - 100:14  <b>entity</b> [3] - 48:13, 105:2, 105:3  <b>environment</b> [5] - 8:14, 12:4, 101:25, 102:1, 123:21  <b>Environmental</b> [1] - 55:14  <b>environmental</b> [11] - 8:17, 8:22, 9:14, 12:9, 31:9, 31:10, 54:23, 55:15, 60:2, 115:8, 124:5  <b>epoxy</b> [1] - 95:12  <b>equipment</b> [7] - 11:18, 12:21, 19:11, 19:24, 47:17, 72:7, 76:23  <b>equipped</b> [1] - 78:1  <b>equivalent</b> [1] - 39:25  <b>Erickson</b> [3] - 105:24, 107:7, 109:17  <b>ERICKSON</b> [8] - 5:4, 105:23, 106:5, 106:9, 106:12, 106:15, 106:19, 106:20  <b>Erickson.....</b> [1] - 5:5  <b>erosion</b> [1] - 76:16  <b>escapes</b> [1] - 85:2  <b>especially</b> [3] - 70:23, 79:17, 90:23  <b>essentially</b> [2] - 69:25, 101:24  <b>et</b> [4] - 38:1, 111:11, 125:6, 129:4  <b>ethane</b> [1] - 120:16  <b>evacuate</b> [2] - 90:24, 102:16  <b>evacuated</b> [1] - 101:14  <b>evacuating</b> [1] - 101:8  <b>evacuation</b> [3] - 78:18, 102:2, 102:7  <b>evaluate</b> [3] - 99:15, 102:10, 116:15  <b>evaluated</b> [1] - 44:4  <b>evaluation</b> [2] - 24:14, 44:1  <b>event</b> [9] - 20:23, 26:14, 77:8, 77:18, 78:12, 83:1,</p>	<p>101:17, 102:8, 102:18  <b>eventually</b> [2] - 85:7, 85:15  <b>evergreen</b> [1] - 62:23  <b>evidence</b> [1] - 126:15  <b>exactly</b> [4] - 40:25, 44:18, 113:19, 114:20  <b>Examination</b> [24] - 3:20, 3:21, 3:22, 3:23, 3:24, 3:25, 4:2, 4:4, 4:5, 4:9, 4:10, 4:11, 4:12, 4:13, 4:16, 4:17, 4:18, 4:19, 4:20, 4:21, 5:6, 5:7, 5:11, 5:12  <b>EXAMINATION</b> [24] - 17:15, 25:13, 32:1, 33:11, 43:21, 47:1, 51:16, 52:7, 52:23, 54:16, 63:7, 67:21, 69:1, 72:19, 75:9, 81:15, 84:22, 87:12, 94:5, 97:19, 107:5, 108:6, 113:1, 114:7  <b>examined</b> [7] - 17:13, 54:14, 75:7, 106:16, 110:8, 115:20, 119:6  <b>example</b> [1] - 108:10  <b>excavation</b> [1] - 79:22  <b>excavators</b> [1] - 78:24  <b>excellent</b> [2] - 110:20, 114:12  <b>except</b> [1] - 129:10  <b>exception</b> [1] - 71:1  <b>excessive</b> [1] - 96:25  <b>excited</b> [6] - 12:20, 12:25, 15:3, 15:15, 119:15, 123:17  <b>exciting</b> [1] - 122:13  <b>excluded</b> [1] - 116:11  <b>exclusion</b> [2] - 57:16, 57:17  <b>excuse</b> [1] - 64:11  <b>exempt</b> [1] - 128:6  <b>exercise</b> [3] - 11:19, 76:18, 100:13  <b>Exhibit</b> [9] - 6:3, 18:14, 20:1, 31:13, 32:17, 126:16, 127:6, 127:9, 127:24  <b>exhibit</b> [2] - 65:23, 127:17  <b>Exhibits</b> [2] - 16:3, 16:10  <b>EXHIBITS</b> [1] - 6:2  <b>exhibits</b> [5] - 16:6, 16:9, 28:18, 67:11, 126:12  <b>exist</b> [1] - 62:6  <b>existing</b> [20] - 19:6, 23:3, 26:18, 28:3, 30:21, 48:22, 49:2, 49:5, 49:14, 49:17, 49:22, 58:12, 66:6, 71:22, 76:14, 86:5, 89:13, 98:1, 99:4  <b>exiting</b> [1] - 129:14  <b>expand</b> [2] - 34:10, 86:2  <b>expanded</b> [1] - 103:15  <b>expanding</b> [1] - 40:5</p>	<p><b>expands</b> [1] - 86:1  <b>expect</b> [3] - 44:15, 48:24, 72:12  <b>expected</b> [4] - 21:25, 34:10, 34:11, 44:18  <b>experience</b> [9] - 12:12, 36:10, 37:4, 37:5, 37:6, 49:12, 54:25, 98:1, 98:4  <b>experienced</b> [2] - 35:7, 95:7  <b>experts</b> [3] - 111:7, 111:8, 112:15  <b>expired</b> [1] - 40:10  <b>explain</b> [8] - 20:9, 23:5, 24:3, 56:12, 65:14, 66:8, 113:6, 117:15  <b>explained</b> [1] - 96:17  <b>explaining</b> [1] - 95:24  <b>explanation</b> [3] - 96:7, 104:2  <b>explode</b> [2] - 120:9, 120:18  <b>explosion</b> [1] - 101:16  <b>explosions</b> [1] - 79:21  <b>exposure</b> [2] - 88:20, 99:22  <b>expound</b> [1] - 66:7  <b>expressed</b> [1] - 60:11  <b>extensive</b> [2] - 14:19, 49:12  <b>extent</b> [2] - 58:22, 122:9  <b>external</b> [1] - 77:5  <b>eye</b> [1] - 110:14</p>
<b>F</b>			
			<p><b>face</b> [1] - 120:25  <b>facilitate</b> [1] - 19:23  <b>facilities</b> [17] - 8:16, 12:11, 18:5, 18:19, 19:4, 19:5, 21:14, 23:3, 48:1, 49:21, 49:25, 108:12, 119:23, 120:1, 125:12, 128:6, 128:7  <b>facility</b> [13] - 8:12, 8:20, 11:14, 20:18, 21:1, 35:17, 36:23, 39:1, 40:21, 41:23, 44:3, 46:20, 61:22  <b>fact</b> [1] - 124:15  <b>factor</b> [1] - 44:24  <b>factory</b> [1] - 24:6  <b>Fahrenheit</b> [1] - 22:20  <b>fails</b> [1] - 83:1  <b>failure</b> [2] - 98:21, 103:5  <b>fair</b> [11] - 29:4, 31:4, 31:8, 49:1, 49:11, 63:23, 65:10, 65:12, 65:22, 83:14  <b>fairly</b> [2] - 14:25, 116:3  <b>fall</b> [1] - 27:22  <b>familiar</b> [5] - 19:25, 26:20, 35:9, 36:9, 61:14  <b>families</b> [1] - 123:10  <b>famous</b> [1] - 11:12  <b>Fanatics</b> [1] - 12:23</p>

<p><b>far</b> [14] - 30:5, 33:20, 34:9, 38:20, 43:18, 44:1, 44:14, 44:18, 65:5, 90:7, 97:8, 97:9, 100:24, 116:3</p> <p><b>farm</b> [1] - 123:4</p> <p><b>farmed</b> [1] - 96:20</p> <p><b>farming</b> [1] - 30:19</p> <p><b>farms</b> [1] - 55:8</p> <p><b>farmstead</b> [1] - 32:21</p> <p><b>farmstead-looking</b> [1] - 32:21</p> <p><b>fashion</b> [1] - 8:25</p> <p><b>feasible</b> [1] - 20:14</p> <p><b>federal</b> [1] - 60:10</p> <p><b>federally</b> [1] - 60:13</p> <p><b>FEDORCHAK</b> [18] - 2:3, 11:10, 33:12, 43:16, 52:8, 52:18, 52:21, 67:20, 67:22, 68:21, 87:11, 87:13, 94:2, 108:2, 111:25, 118:7, 121:25, 128:22</p> <p><b>Fedorchak</b> [13] - 11:9, 33:10, 45:8, 45:16, 52:6, 67:19, 87:10, 108:1, 110:25, 111:24, 118:6, 121:24, 128:21</p> <p><b>Fedorchak.</b> [2] - 3:5, 3:10</p> <p><b>Fedorchak.</b> [3] - 3:23, 4:11, 4:19</p> <p><b>Fedorchak</b>..... [1] - 4:4</p> <p><b>feet</b> [30] - 21:7, 22:22, 32:6, 32:9, 32:16, 32:23, 33:3, 39:23, 45:13, 45:19, 45:21, 45:25, 46:4, 46:5, 46:10, 51:22, 52:2, 56:11, 56:19, 57:25, 58:6, 65:11, 72:24, 82:9, 86:15, 88:15, 102:20, 103:16, 127:13</p> <p><b>felony</b> [1] - 17:4</p> <p><b>few</b> [4] - 46:18, 84:21, 98:8, 104:20</p> <p><b>field</b> [5] - 62:11, 72:1, 92:8, 92:17, 92:23</p> <p><b>fields</b> [1] - 72:1</p> <p><b>fighting</b> [1] - 123:6</p> <p><b>file</b> [1] - 128:8</p> <p><b>filed</b> [3] - 65:23, 127:17, 129:20</p> <p><b>filing</b> [1] - 8:8</p> <p><b>Filing</b> [1] - 7:7</p> <p><b>final</b> [5] - 50:10, 62:25, 73:7, 108:25</p> <p><b>finalize</b> [2] - 23:20, 23:21</p> <p><b>finalized</b> [2] - 26:3, 42:15</p> <p><b>findings</b> [3] - 129:4, 129:18, 130:3</p> <p><b>fine</b> [2] - 17:5, 56:17</p> <p><b>fine-tuning</b> [1] - 56:17</p> <p><b>finish</b> [1] - 22:1</p>	<p><b>finishing</b> [1] - 27:18</p> <p><b>Fire</b> [2] - 84:3, 84:4</p> <p><b>fire</b> [6] - 78:2, 78:6, 79:6, 83:19, 93:9, 101:4</p> <p><b>firefighting</b> [1] - 78:7</p> <p><b>first</b> [23] - 9:10, 16:18, 17:13, 18:19, 19:5, 35:12, 54:14, 69:3, 75:7, 77:21, 78:4, 79:6, 85:13, 89:1, 97:23, 98:9, 100:16, 105:21, 106:16, 110:8, 115:20, 117:1, 119:6</p> <p><b>Fish</b> [3] - 58:18, 58:20, 66:22</p> <p><b>five</b> [5] - 77:3, 82:5, 99:9, 99:10</p> <p><b>flare</b> [1] - 89:3</p> <p><b>FLATH</b> [8] - 5:14, 115:4, 115:7, 115:13, 115:16, 115:19, 115:23, 115:24</p> <p><b>Flath</b> [2] - 107:17, 115:7</p> <p><b>Flath</b>..... [1] - 5:15</p> <p><b>flaws</b> [1] - 77:4</p> <p><b>Flemmer</b> [1] - 35:25</p> <p><b>flight</b> [1] - 87:5</p> <p><b>Flint</b> [1] - 120:24</p> <p><b>floats</b> [1] - 45:11</p> <p><b>flow</b> [8] - 19:7, 19:8, 19:21, 22:14, 81:25, 89:6, 91:16</p> <p><b>flows</b> [1] - 82:16</p> <p><b>fly</b> [1] - 86:13</p> <p><b>flying</b> [2] - 86:25, 87:1</p> <p><b>folks</b> [8] - 12:10, 31:1, 50:20, 59:23, 68:19, 90:15, 125:10, 128:25</p> <p><b>follow</b> [5] - 22:3, 23:2, 113:18, 118:12, 127:10</p> <p><b>follow-up</b> [2] - 118:12, 127:10</p> <p><b>followed</b> [1] - 104:4</p> <p><b>following</b> [4] - 7:1, 8:9, 24:9, 30:11</p> <p><b>follows</b> [7] - 17:14, 54:15, 75:8, 106:17, 110:9, 115:21, 119:7</p> <p><b>foot</b> [3] - 13:12, 71:1, 86:11</p> <p><b>FOR</b> [2] - 2:9, 2:15</p> <p><b>forefront</b> [2] - 121:13, 122:21</p> <p><b>foregoing</b> [2] - 131:6, 131:10</p> <p><b>foresee</b> [1] - 113:13</p> <p><b>forest</b> [2] - 62:23</p> <p><b>form</b> [1] - 24:13</p> <p><b>formally</b> [1] - 111:13</p> <p><b>Formation</b> [1] - 34:20</p> <p><b>formations</b> [1] - 34:23</p> <p><b>forth</b> [4] - 14:21, 48:13, 69:6, 69:16</p> <p><b>forum</b> [1] - 110:20</p> <p><b>forums</b> [1] - 111:10</p> <p><b>forward</b> [15] - 11:22, 12:14, 15:16, 15:20, 16:14, 16:16,</p>	<p>38:7, 40:23, 56:18, 104:24, 105:22, 107:21, 116:15, 123:25, 125:25</p> <p><b>four</b> [5] - 92:9, 92:10, 92:14, 93:3, 93:14</p> <p><b>Frank</b> [1] - 115:8</p> <p><b>frankly</b> [2] - 59:3, 64:8</p> <p><b>Freedom</b> [1] - 115:9</p> <p><b>freeze</b> [1] - 87:20</p> <p><b>freezing</b> [1] - 86:1</p> <p><b>frequent</b> [1] - 99:12</p> <p><b>frequently</b> [1] - 70:25</p> <p><b>fresh</b> [1] - 101:16</p> <p><b>Friday</b> [1] - 116:4</p> <p><b>front</b> [1] - 129:22</p> <p><b>frontier</b> [1] - 122:14</p> <p><b>frost</b> [5] - 85:14, 87:15, 87:18, 87:23, 88:1</p> <p><b>fuel</b> [1] - 120:16</p> <p><b>fulfilled</b> [1] - 8:24</p> <p><b>full</b> [3] - 88:16, 98:13</p> <p><b>fully</b> [2] - 77:12, 78:1</p> <p><b>function</b> [3] - 41:14, 41:23, 41:24</p> <p><b>functions</b> [1] - 124:4</p> <p><b>FURTHER</b> [4] - 51:16, 52:7, 52:23, 131:9</p> <p><b>fusion</b> [1] - 95:12</p> <p><b>future</b> [6] - 21:2, 23:3, 25:7, 38:24, 116:6, 125:24</p>	<p><b>glad</b> [1] - 73:6</p> <p><b>goal</b> [4] - 11:25, 34:1, 81:2, 114:19</p> <p><b>governmental</b> [1] - 119:11</p> <p><b>Governor</b> [1] - 119:18</p> <p><b>GPS</b> [1] - 87:1</p> <p><b>grade</b> [1] - 94:10</p> <p><b>grass</b> [2] - 85:14, 87:15</p> <p><b>grasses</b> [1] - 71:4</p> <p><b>grassland</b> [4] - 58:18, 60:16, 67:4, 71:13</p> <p><b>grazed</b> [1] - 96:19</p> <p><b>Great</b> [3] - 18:17, 20:17, 26:13</p> <p><b>great</b> [5] - 11:13, 33:13, 124:8, 125:13, 127:25</p> <p><b>greatly</b> [2] - 73:4, 109:13</p> <p><b>greenhouse</b> [1] - 21:11</p> <p><b>ground</b> [7] - 61:6, 68:15, 76:16, 95:13, 96:9, 125:8</p> <p><b>group</b> [5] - 83:5, 93:9, 105:2, 105:3, 122:8</p> <p><b>groups</b> [1] - 56:7</p> <p><b>grow</b> [1] - 96:22</p> <p><b>growing</b> [1] - 71:4</p> <p><b>growth</b> [3] - 71:7, 96:25, 97:13</p> <p><b>Guard</b> [1] - 55:17</p> <p><b>guess</b> [11] - 12:25, 14:7, 48:16, 55:11, 62:8, 63:20, 67:2, 68:7, 71:21, 73:11, 117:7</p>	<p style="text-align: center;"><b>G</b></p> <p><b>game</b> [2] - 33:24, 108:17</p> <p><b>Game</b> [2] - 58:18, 58:20</p> <p><b>Gas</b> [3] - 1:5, 119:24, 121:17</p> <p><b>gas</b> [14] - 8:6, 21:11, 37:6, 47:14, 48:2, 48:23, 76:3, 79:7, 79:21, 85:21, 88:3, 93:21, 93:23, 121:6</p> <p><b>Gasification</b> [7] - 1:5, 8:2, 9:8, 10:13, 18:16, 26:12, 75:15</p> <p><b>GASIFICATION</b> [1] - 2:9</p> <p><b>General</b> [1] - 10:2</p> <p><b>general</b> [3] - 33:15, 61:7, 84:7</p> <p><b>generally</b> [2] - 27:14, 65:16</p> <p><b>generating</b> [1] - 18:5</p> <p><b>geological</b> [3] - 55:4, 59:4, 64:8</p> <p><b>Geological</b> [2] - 59:8, 64:6</p> <p><b>Geology</b> [1] - 64:6</p> <p><b>geology</b> [5] - 34:7, 38:6, 55:3, 55:4, 112:7</p> <p><b>girth</b> [1] - 24:13</p> <p><b>GIS</b> [1] - 71:24</p> <p><b>given</b> [4] - 23:1, 50:24, 69:16, 82:19</p>	<p style="text-align: center;"><b>H</b></p> <p><b>H2S</b> [2] - 77:10, 99:21</p> <p><b>half</b> [5] - 41:2, 41:3, 41:4, 94:13, 99:10</p> <p><b>half-inch-pipe</b> [1] - 94:13</p> <p><b>hand</b> [1] - 13:7</p> <p><b>handle</b> [1] - 83:25</p> <p><b>handles</b> [1] - 72:11</p> <p><b>hands</b> [4] - 10:14, 10:16, 13:6, 104:21</p> <p><b>hang</b> [1] - 111:16</p> <p><b>hard</b> [2] - 37:22, 123:7</p> <p><b>harder</b> [1] - 88:24</p> <p><b>hate</b> [1] - 51:19</p> <p><b>haul</b> [1] - 43:15</p> <p><b>hazards</b> [1] - 22:9</p> <p><b>hazards</b> [2] - 79:8, 100:9</p> <p><b>hazmat</b> [2] - 78:2, 78:8</p> <p><b>headaches</b> [1] - 99:21</p> <p><b>Health</b> [1] - 55:13</p> <p><b>health</b> [5] - 77:6, 77:9, 79:14, 100:9, 100:11</p>
--	--	---	---	--	--

<p><b>hear</b> [8] - 13:21, 33:14, 45:3, 74:20, 94:16, 109:23, 115:11, 118:22</p> <p><b>heard</b> [7] - 58:2, 73:2, 96:7, 104:3, 106:1, 106:7, 106:20</p> <p><b>Hearing</b> [1] - 7:7</p> <p><b>HEARING</b> [1] - 1:12</p> <p><b>hearing</b> [39] - 7:10, 7:11, 7:15, 7:17, 7:21, 7:25, 8:1, 8:8, 10:6, 10:9, 11:2, 11:22, 12:14, 15:20, 16:7, 16:15, 16:16, 18:15, 33:16, 35:4, 35:5, 57:2, 58:8, 61:19, 61:22, 64:23, 68:10, 70:20, 73:8, 104:19, 107:8, 112:14, 113:14, 126:7, 128:24, 129:14, 130:9</p> <p><b>hearings</b> [2] - 13:1, 123:4</p> <p><b>Hearings</b> [1] - 7:13</p> <p><b>heavier</b> [2] - 85:2, 85:5</p> <p><b>Hebron</b> [1] - 93:21</p> <p><b>held</b> [2] - 7:15, 125:19</p> <p><b>Hello</b> [1] - 105:23</p> <p><b>Helms</b> [1] - 120:11</p> <p><b>help</b> [7] - 11:1, 38:7, 38:8, 56:4, 84:4, 92:24</p> <p><b>helpful</b> [2] - 47:8, 105:4</p> <p><b>helping</b> [2] - 15:6, 121:14</p> <p><b>helps</b> [4] - 15:6, 110:22, 114:1, 114:14</p> <p><b>HEREBY</b> [2] - 131:5, 131:9</p> <p><b>herein</b> [1] - 7:2</p> <p><b>hereinbefore</b> [1] - 131:7</p> <p><b>high</b> [1] - 78:7</p> <p><b>high-angle</b> [1] - 78:7</p> <p><b>higher</b> [3] - 41:8, 122:7, 122:24</p> <p><b>higher-ups</b> [2] - 122:7, 122:24</p> <p><b>highlight</b> [1] - 14:3</p> <p><b>highly</b> [1] - 58:25</p> <p><b>hired</b> [2] - 36:15, 36:22</p> <p><b>hiring</b> [1] - 83:9</p> <p><b>history</b> [2] - 17:23, 75:17</p> <p><b>hmm</b> [1] - 106:12</p> <p><b>Hogan</b> [1] - 7:10</p> <p><b>HOGAN</b> [112] - 1:22, 7:4, 9:21, 10:8, 10:11, 12:16, 14:12, 15:22, 16:5, 16:10, 16:17, 16:21, 16:23, 17:1, 17:9, 25:10, 33:9, 43:20, 46:25, 51:7, 51:10, 51:14, 52:6, 52:19, 52:22, 53:14, 53:21, 53:23, 54:1, 54:6, 54:10, 63:4, 67:19, 68:23, 72:18, 73:17, 73:20, 73:24, 74:6, 74:13, 74:15, 74:19, 74:24, 75:3, 81:14, 87:10, 94:4, 97:18, 104:6, 104:9,</p>	<p>104:13, 104:18, 106:2, 106:6, 106:10, 106:14, 106:24, 107:3, 107:25, 108:5, 109:9, 109:16, 109:19, 109:23, 110:1, 110:5, 111:14, 111:16, 111:20, 111:24, 112:25, 114:6, 115:1, 115:5, 115:10, 115:14, 115:18, 117:1, 117:4, 117:24, 118:2, 118:4, 118:6, 118:8, 118:11, 118:14, 118:17, 118:21, 118:25, 119:4, 121:18, 121:20, 121:22, 121:24, 123:12, 124:13, 126:3, 126:17, 126:23, 127:2, 127:7, 127:19, 127:23, 128:2, 128:17, 128:20, 129:8, 129:12, 129:16, 129:21, 130:1, 130:5</p> <p><b>Hogan</b>..... [1] - 3:4</p> <p><b>hold</b> [1] - 13:13</p> <p><b>holder</b> [1] - 116:17</p> <p><b>holders</b> [2] - 81:5</p> <p><b>home</b> [1] - 50:20</p> <p><b>Honor</b> [34] - 9:6, 9:20, 9:25, 14:15, 15:21, 16:1, 16:9, 16:19, 17:11, 51:9, 51:12, 51:13, 53:19, 54:5, 54:12, 73:19, 73:22, 73:23, 74:11, 75:5, 104:8, 104:11, 104:12, 104:17, 109:11, 111:19, 118:1, 118:3, 121:19, 121:21, 126:12, 128:1, 128:16, 130:4</p> <p><b>hook</b> [1] - 41:11</p> <p><b>hope</b> [5] - 50:21, 114:12, 122:22, 122:24</p> <p><b>HOPE</b> [1] - 1:22</p> <p><b>Hope</b> [2] - 7:10, 11:25</p> <p><b>hopefully</b> [6] - 37:23, 112:16, 112:20, 113:23, 114:1, 124:21</p> <p><b>hour</b> [1] - 102:24</p> <p><b>hours</b> [5] - 80:14, 82:22, 92:20, 93:2, 119:25</p> <p><b>House</b> [1] - 128:5</p> <p><b>house</b> [2] - 56:3, 125:21</p> <p><b>houses</b> [1] - 91:7</p> <p><b>huge</b> [2] - 119:21, 120:10</p> <p><b>human</b> [1] - 8:21</p> <p><b>humidity</b> [2] - 87:20, 103:8</p> <p><b>hundred</b> [4] - 24:12, 85:20, 86:15, 87:25</p> <p><b>hundreds</b> [3] - 119:24, 123:9</p> <p><b>husband</b> [1] - 112:2</p> <p><b>hydro</b> [1] - 25:2</p> <p><b>hydrogen</b> [2] - 20:18, 120:15</p> <p><b>hydrostatic</b> [1] - 61:9</p>	<p style="text-align: center;"><b>I</b></p> <p><b>ice</b> [3] - 85:7, 85:9, 85:17</p> <p><b>idea</b> [1] - 27:3</p> <p><b>ideally</b> [1] - 50:12</p> <p><b>identified</b> [3] - 49:23, 62:2, 62:11</p> <p><b>identify</b> [3] - 90:8, 90:16, 105:3</p> <p><b>imaginable</b> [1] - 103:4</p> <p><b>imagine</b> [1] - 47:4</p> <p><b>imagining</b> [1] - 14:5</p> <p><b>immediate</b> [1] - 36:3</p> <p><b>immensely</b> [1] - 114:2</p> <p><b>impact</b> [8] - 8:22, 12:4, 39:6, 58:10, 59:3, 65:14, 68:1, 69:8</p> <p><b>impacted</b> [1] - 62:13</p> <p><b>impacts</b> [6] - 12:12, 23:2, 23:4, 59:18, 60:8, 65:13</p> <p><b>implore</b> [1] - 111:4</p> <p><b>importance</b> [1] - 20:10</p> <p><b>important</b> [6] - 10:21, 15:16, 47:24, 122:8, 123:9, 124:7</p> <p><b>impression</b> [1] - 47:12</p> <p><b>impressive</b> [1] - 125:12</p> <p><b>imprisonment</b> [1] - 17:5</p> <p><b>in-house</b> [1] - 56:3</p> <p><b>inch</b> [1] - 94:13</p> <p><b>inches</b> [1] - 30:2</p> <p><b>incident</b> [2] - 77:19, 77:23</p> <p><b>incidents</b> [1] - 100:10</p> <p><b>include</b> [2] - 101:1, 101:8</p> <p><b>included</b> [6] - 11:5, 58:7, 66:1, 67:10, 69:10, 70:5</p> <p><b>includes</b> [1] - 65:25</p> <p><b>including</b> [4] - 18:10, 21:18, 55:7, 60:25</p> <p><b>incorporate</b> [3] - 76:12, 79:11, 89:25</p> <p><b>incredibly</b> [1] - 88:25</p> <p><b>INDEX</b> [1] - 3:2</p> <p><b>indicate</b> [1] - 105:19</p> <p><b>indicated</b> [5] - 20:24, 25:17, 63:17, 96:22, 131:8</p> <p><b>indication</b> [1] - 85:13</p> <p><b>individual</b> [2] - 84:5, 99:20</p> <p><b>individuals</b> [5] - 100:14, 101:10, 109:20, 115:2, 118:14</p> <p><b>industrial</b> [5] - 59:2, 78:7, 108:15, 116:6, 116:10</p> <p><b>Industrial</b> [7] - 27:10, 38:10, 61:15, 112:11, 113:20, 114:12, 123:23</p> <p><b>industrialized</b> [1] - 58:25</p> <p><b>industry</b> [3] - 37:12, 109:12, 125:1</p> <p><b>inform</b> [1] - 89:18</p>	<p><b>informally</b> [1] - 116:3</p> <p><b>information</b> [29] - 13:15, 13:19, 25:7, 27:19, 34:4, 37:16, 37:21, 37:25, 44:21, 47:8, 68:2, 78:16, 78:24, 79:1, 90:19, 91:4, 110:19, 111:9, 112:4, 112:22, 114:14, 114:17, 116:20, 116:24, 118:10, 127:10, 128:24, 129:1</p> <p><b>informed</b> [7] - 110:21, 111:5, 112:3, 113:24, 114:19, 116:22, 117:22</p> <p><b>infrastructure</b> [6] - 11:24, 12:5, 36:25, 49:2, 55:6, 58:12</p> <p><b>inhabited</b> [1] - 90:8</p> <p><b>initial</b> [2] - 34:2, 117:19</p> <p><b>injected</b> [2] - 34:11, 47:12</p> <p><b>injecting</b> [1] - 48:4</p> <p><b>injection</b> [1] - 34:19</p> <p><b>inserted</b> [1] - 95:2</p> <p><b>inside</b> [1] - 95:6</p> <p><b>inspect</b> [2] - 53:6, 76:23</p> <p><b>inspected</b> [1] - 24:20</p> <p><b>inspection</b> [5] - 22:12, 25:5, 76:15, 99:8, 125:4</p> <p><b>inspections</b> [6] - 24:7, 25:7, 48:18, 53:8, 86:9, 125:5</p> <p><b>inspectors</b> [2] - 24:8, 24:18</p> <p><b>install</b> [1] - 36:24</p> <p><b>installed</b> [1] - 30:6</p> <p><b>installing</b> [1] - 24:10</p> <p><b>instead</b> [1] - 105:18</p> <p><b>instruments</b> [1] - 78:16</p> <p><b>integrated</b> [1] - 100:2</p> <p><b>integrity</b> [3] - 8:23, 25:3, 99:4</p> <p><b>intend</b> [6] - 9:4, 10:8, 11:1, 29:25, 32:15, 33:2</p> <p><b>intended</b> [1] - 110:24</p> <p><b>intensive</b> [1] - 83:12</p> <p><b>intent</b> [1] - 15:1</p> <p><b>intention</b> [3] - 31:19, 31:21, 36:19</p> <p><b>interest</b> [1] - 112:8</p> <p><b>interesting</b> [2] - 11:21, 124:23</p> <p><b>internal</b> [1] - 77:5</p> <p><b>International</b> [1] - 119:13</p> <p><b>internationally</b> [1] - 120:19</p> <p><b>interplay</b> [1] - 28:2</p> <p><b>Interstate</b> [3] - 2:8, 17:21, 54:21</p> <p><b>intervals</b> [3] - 76:15, 99:7, 125:4</p> <p><b>introduce</b> [2] - 9:3, 9:23</p> <p><b>introductory</b> [1] - 104:21</p> <p><b>inventory</b> [2] - 62:4, 62:20</p> <p><b>invited</b> [1] - 100:17</p>
---	--	--	---

<p><b>involve</b> [2] - 13:3, 40:14  <b>involved</b> [5] - 38:12, 75:24, 100:22, 111:4, 111:8  <b>involvement</b> [1] - 122:2  <b>isolate</b> [2] - 91:16, 91:22  <b>issue</b> [6] - 63:25, 83:22, 92:20, 94:21, 107:11, 111:1  <b>issued</b> [1] - 7:7  <b>issues</b> [14] - 8:9, 25:20, 28:2, 31:10, 48:21, 48:25, 53:9, 56:6, 57:4, 58:19, 66:6, 66:8, 77:2, 99:13  <b>issuing</b> [2] - 50:17, 50:18  <b>it'll</b> [7] - 82:4, 82:6, 85:7, 85:21, 86:2, 89:7, 113:13  <b>items</b> [1] - 66:2  <b>itself</b> [5] - 22:19, 41:13, 47:22, 48:9, 94:22</p>	<p>106:24, 107:3, 107:25, 108:5, 109:9, 109:16, 109:19, 109:23, 110:1, 110:5, 111:14, 111:16, 111:20, 111:24, 112:25, 114:6, 115:1, 115:5, 115:10, 115:14, 115:18, 117:1, 117:4, 117:24, 118:2, 118:4, 118:6, 118:8, 118:11, 118:14, 118:17, 118:21, 118:25, 119:4, 121:18, 121:20, 121:22, 121:24, 123:12, 124:13, 126:3, 126:17, 126:23, 127:2, 127:7, 127:19, 127:23, 128:2, 128:17, 128:20, 129:8, 129:12, 129:16, 129:21, 130:1, 130:5  <b>Judge</b> [1] - 3:4  <b>judging</b> [1] - 38:4  <b>JULIE</b> [1] - 2:3  <b>July</b> [5] - 1:17, 7:3, 7:5, 130:2, 131:14  <b>jump</b> [2] - 123:20, 123:25  <b>June</b> [2] - 7:8, 70:18  <b>jurisdiction</b> [2] - 128:5, 128:12  <b>jurisdictional</b> [1] - 128:14  <b>justify</b> [1] - 46:15</p>	<p>47:2, 51:4, 52:24, 53:13, 72:20, 73:15, 97:20, 103:24, 109:10, 114:8, 114:21, 118:9, 124:14, 124:19, 125:25, 129:13  <b>Kroshus</b> [1] - 14:13, 46:25, 52:19, 52:22, 72:18, 97:18, 109:9, 114:6, 118:8, 124:13, 129:12  <b>Kroshus...</b> [2] - 3:8, 3:12  <b>Kroshus....</b> [4] - 3:25, 4:13, 4:21, 5:12  <b>Kroshus.....</b>  .. [1] - 4:6</p>	<p><b>leak</b> [18] - 80:13, 80:17, 81:21, 82:9, 85:13, 87:16, 88:5, 88:7, 88:8, 88:11, 88:13, 88:14, 88:20, 88:25, 91:21, 99:20, 101:6, 102:22  <b>leaks</b> [6] - 66:12, 76:16, 79:21, 85:1, 86:5, 86:7  <b>learn</b> [1] - 38:2  <b>learned</b> [3] - 98:3, 98:16, 103:15  <b>learning</b> [2] - 11:22, 112:8  <b>leased</b> [1] - 31:1  <b>least</b> [3] - 35:14, 35:16, 124:23</p>
<b>J</b>	<b>K</b>	<b>L</b>	<p><b>leaves</b> [1] - 24:5  <b>left</b> [1] - 116:15  <b>legislation</b> [1] - 128:9  <b>legislative</b> [1] - 14:24  <b>length</b> [1] - 64:20  <b>less</b> [6] - 30:2, 57:25, 58:6, 88:9, 88:20, 98:16  <b>lessons</b> [1] - 98:3  <b>letter</b> [7] - 57:1, 58:21, 59:21, 63:21, 64:7, 64:13, 69:10  <b>letters</b> [3] - 65:4, 67:9, 67:11  <b>level</b> [3] - 78:8, 85:24, 125:9  <b>liaison</b> [1] - 116:20  <b>licensed</b> [1] - 81:4  <b>life</b> [5] - 45:1, 48:15, 48:17, 96:2, 104:3  <b>lighter</b> [1] - 85:2  <b>lights</b> [2] - 82:12, 109:13  <b>likely</b> [8] - 14:5, 27:21, 42:5, 50:18, 61:7, 83:25, 98:21, 129:20  <b>line</b> [45] - 18:20, 18:21, 18:25, 19:2, 19:6, 19:13, 19:19, 19:20, 25:2, 27:24, 30:6, 30:12, 32:7, 32:9, 36:8, 41:15, 41:20, 41:25, 42:3, 42:5, 46:4, 46:6, 49:5, 53:7, 64:19, 66:6, 66:8, 68:1, 76:3, 83:24, 84:2, 85:19, 86:5, 86:10, 89:1, 89:9, 89:11, 90:1, 90:5, 93:16, 93:20, 93:21, 95:11, 98:8, 99:4  <b>line's</b> [2] - 89:15, 98:6  <b>linear</b> [1] - 23:3  <b>lines</b> [13] - 19:1, 19:14, 19:15, 41:14, 41:22, 41:24, 42:24, 49:24, 55:7, 66:12, 93:17, 98:11  <b>linger</b> [1] - 85:5  <b>liquid</b> [1] - 85:22  <b>liquids</b> [1] - 22:9  <b>list</b> [1] - 64:9  <b>listening</b> [2] - 47:11, 114:13  <b>listens</b> [1] - 44:24</p>
<p><b>JACOBSON</b> [31] - 2:6, 9:5, 16:1, 16:19, 17:11, 17:16, 25:8, 51:9, 53:19, 54:12, 54:17, 63:2, 73:19, 74:11, 75:5, 75:10, 81:12, 104:8, 104:17, 107:1, 111:19, 118:1, 121:19, 126:11, 127:11, 127:18, 127:21, 127:25, 128:3, 129:19, 130:4  <b>Jacobson</b> [18] - 9:2, 9:7, 15:23, 16:17, 17:10, 51:7, 53:17, 54:11, 73:17, 74:9, 75:4, 81:18, 104:6, 106:24, 111:18, 117:24, 121:18, 126:9  <b>Jacobson.....</b> [3] - 3:20, 4:9, 4:16  <b>job</b> [4] - 51:3, 81:19, 124:6, 125:13  <b>jobs</b> [1] - 80:2  <b>judge</b> [1] - 7:12  <b>JUDGE</b> [112] - 1:22, 7:4, 9:21, 10:8, 10:11, 12:16, 14:12, 15:22, 16:5, 16:10, 16:17, 16:21, 16:23, 17:1, 17:9, 25:10, 33:9, 43:20, 46:25, 51:7, 51:10, 51:14, 52:6, 52:19, 52:22, 53:14, 53:21, 53:23, 54:1, 54:6, 54:10, 63:4, 67:19, 68:23, 72:18, 73:17, 73:20, 73:24, 74:6, 74:13, 74:15, 74:19, 74:24, 75:3, 81:14, 87:10, 94:4, 97:18, 104:6, 104:9, 104:13, 104:18, 106:2, 106:6, 106:10, 106:14,</p>	<p><b>keep</b> [17] - 21:13, 45:10, 70:2, 71:19, 82:6, 86:16, 89:15, 91:8, 93:1, 95:13, 96:9, 98:15, 98:18, 109:13, 111:5, 117:12, 117:13  <b>keeping</b> [1] - 129:14  <b>keeps</b> [3] - 34:23, 122:21  <b>kept</b> [1] - 59:17  <b>Kevin</b> [6] - 9:13, 29:1, 43:24, 53:20, 54:20, 96:17  <b>KEVIN</b> [2] - 4:7, 54:13  <b>key</b> [1] - 65:2  <b>kind</b> [41] - 7:20, 30:21, 32:19, 32:20, 33:19, 38:16, 56:17, 57:7, 58:14, 58:15, 58:20, 58:21, 59:6, 59:25, 61:1, 61:5, 61:11, 62:3, 62:6, 62:25, 63:20, 65:2, 69:18, 69:22, 70:1, 70:2, 71:14, 72:12, 86:11, 86:17, 88:4, 94:7, 94:9, 95:4, 95:25, 100:24, 103:2, 116:15, 117:17  <b>knowledge</b> [2] - 37:9, 70:15  <b>known</b> [1] - 12:19  <b>KROSHUS</b> [18] - 2:4, 14:14,</p>	<p><b>label</b> [1] - 127:24  <b>labor</b> [3] - 50:20, 50:25, 83:12  <b>laborers</b> [1] - 119:20  <b>laborers'</b> [1] - 121:13  <b>Laborers'</b> [1] - 119:12  <b>lake</b> [1] - 50:2  <b>land</b> [17] - 23:3, 27:24, 30:18, 33:2, 42:21, 42:23, 65:17, 67:3, 69:17, 71:22, 105:24, 106:21, 108:13, 110:13, 113:6, 116:6, 116:11  <b>landowners</b> [9] - 13:4, 23:16, 23:21, 25:17, 30:13, 30:14, 71:19, 81:8, 110:13  <b>lands</b> [1] - 60:13  <b>landslide</b> [1] - 59:9  <b>landslides</b> [2] - 59:10, 64:4  <b>large</b> [1] - 102:19  <b>largely</b> [1] - 37:5  <b>larger</b> [1] - 13:4  <b>last</b> [14] - 9:17, 16:24, 53:24, 60:19, 62:8, 63:18, 70:9, 74:17, 75:19, 75:21, 96:16, 96:24, 116:4, 125:20  <b>late</b> [1] - 127:17  <b>late-filed</b> [1] - 127:17  <b>LATH</b> [1] - 115:8  <b>latitude</b> [1] - 56:20  <b>launch</b> [1] - 78:13  <b>launcher</b> [1] - 19:9  <b>Law</b> [1] - 2:13  <b>LAW</b> [1] - 1:22  <b>law</b> [7] - 7:12, 13:17, 14:21, 14:23, 14:25, 17:2, 128:13  <b>laws</b> [1] - 24:1  <b>lay</b> [1] - 108:9  <b>layer</b> [1] - 35:2  <b>layers</b> [1] - 34:25  <b>LDS</b> [2] - 80:13, 82:16  <b>lead</b> [1] - 113:3  <b>leaders</b> [1] - 38:1</p>	

<p><b>literature</b> [1] - 69:22  <b>live</b> [3] - 12:4, 90:20, 90:22  <b>lives</b> [2] - 84:15, 90:22  <b>living</b> [2] - 12:10, 102:11  <b>Local</b> [1] - 119:13  <b>local</b> [7] - 23:19, 50:25, 79:5, 84:9, 84:10, 99:24, 100:20  <b>located</b> [5] - 8:7, 12:22, 19:18, 57:7, 127:12  <b>locating</b> [1] - 68:6  <b>location</b> [6] - 8:13, 8:21, 12:21, 30:1, 44:19, 59:14  <b>lockdown</b> [1] - 101:25  <b>long-term</b> [2] - 15:7, 114:18  <b>look</b> [23] - 11:22, 12:14, 15:20, 29:17, 35:1, 38:7, 44:13, 47:7, 47:18, 68:10, 68:15, 70:3, 71:8, 86:16, 91:5, 92:22, 119:22, 120:17, 120:22, 121:2, 123:1, 125:25, 127:2  <b>looked</b> [4] - 32:20, 44:1, 60:6, 89:23  <b>looking</b> [9] - 12:6, 14:9, 15:9, 16:14, 16:16, 32:19, 32:21, 76:16, 90:1  <b>looks</b> [3] - 42:19, 86:20, 127:1  <b>loss</b> [2] - 77:4, 77:5  <b>love</b> [1] - 13:2  <b>low</b> [3] - 85:6, 86:16, 103:14  <b>low-lying</b> [2] - 85:6, 103:14  <b>lubricate</b> [1] - 76:18  <b>lying</b> [2] - 85:6, 103:14  <b>Lynn</b> [2] - 120:11, 120:17</p>	<p><b>managing</b> [1] - 61:5  <b>manner</b> [1] - 129:4  <b>manning</b> [1] - 92:6  <b>mans</b> [1] - 92:13  <b>manual</b> [2] - 19:9, 19:22  <b>map</b> [8] - 18:15, 32:20, 64:22, 64:23, 65:2, 68:10, 90:5, 127:12  <b>mapped</b> [1] - 59:10  <b>mapping</b> [1] - 62:4  <b>maps</b> [6] - 11:4, 23:10, 42:19, 59:7, 59:9, 64:10  <b>mark</b> [1] - 10:25  <b>marked</b> [1] - 127:8  <b>markings</b> [1] - 95:7  <b>master</b> [1] - 55:3  <b>material</b> [1] - 21:20  <b>materials</b> [2] - 22:11, 22:18  <b>matter</b> [5] - 8:10, 10:19, 111:8, 112:16, 122:3  <b>matters</b> [2] - 15:24, 16:13  <b>maximum</b> [7] - 17:4, 17:5, 22:13, 22:16, 22:19, 46:8, 94:13  <b>mean</b> [18] - 13:7, 36:15, 36:16, 37:14, 39:10, 39:11, 43:11, 51:23, 65:6, 71:18, 82:9, 87:24, 93:15, 94:11, 94:25, 112:8, 120:5, 124:4  <b>means</b> [4] - 57:10, 71:2, 78:4, 79:24  <b>measured</b> [2] - 65:8, 88:15  <b>measures</b> [1] - 57:24  <b>measuring</b> [2] - 81:24  <b>mechanical</b> [3] - 9:11, 17:20, 17:24  <b>media</b> [1] - 112:21  <b>medical</b> [2] - 78:4, 78:5  <b>meet</b> [4] - 15:14, 48:12, 90:18, 107:20  <b>meetings</b> [3] - 38:15, 79:3, 113:22  <b>meets</b> [2] - 14:20, 15:17  <b>member</b> [1] - 78:19  <b>members</b> [5] - 105:6, 114:13, 119:25, 121:4, 123:9  <b>memo</b> [1] - 127:7  <b>mention</b> [3] - 18:22, 66:23, 116:4  <b>mentioned</b> [15] - 39:17, 49:17, 50:5, 52:9, 57:22, 59:17, 61:10, 62:17, 64:9, 65:20, 70:7, 87:14, 99:6, 100:3, 106:4  <b>Mercer</b> [8] - 1:6, 8:7, 13:2, 28:19, 28:25, 60:18, 60:21, 83:20  <b>met</b> [2] - 8:24, 120:11  <b>metal</b> [3] - 77:4, 77:5, 95:17  <b>Metcalf</b> [1] - 69:23</p>	<p><b>meter</b> [2] - 19:7, 19:21  <b>methods</b> [1] - 29:21  <b>metric</b> [1] - 21:8  <b>MFL</b> [1] - 77:3  <b>microphone</b> [1] - 104:24  <b>might</b> [12] - 12:12, 13:6, 23:23, 47:6, 51:25, 85:14, 101:12, 102:13, 102:19, 111:16, 116:5, 117:20  <b>migrate</b> [2] - 44:2, 44:15  <b>migratory</b> [1] - 71:13  <b>mile</b> [17] - 8:5, 34:21, 78:11, 88:18, 89:10, 89:12, 89:21, 89:22, 102:4, 102:5, 102:9, 102:24, 103:21, 111:6, 127:13  <b>miles</b> [5] - 45:9, 70:1, 76:1, 93:22, 113:8  <b>million</b> [11] - 21:7, 22:21, 39:19, 39:23, 40:15, 45:18, 45:21, 45:24, 46:3, 46:5, 46:9  <b>mind</b> [1] - 44:13  <b>Mine</b> [1] - 115:9  <b>mine</b> [9] - 14:9, 27:25, 42:20, 42:23, 43:2, 65:17, 107:12, 116:18, 123:7  <b>mined</b> [2] - 42:22, 53:2  <b>Mineral</b> [2] - 120:12, 120:13  <b>mines</b> [2] - 30:15, 42:19  <b>minimal</b> [2] - 12:3, 65:13  <b>minimize</b> [3] - 8:21, 23:1, 23:3  <b>minimum</b> [3] - 8:13, 33:3, 99:9  <b>mining</b> [16] - 27:25, 42:25, 43:2, 43:9, 43:11, 43:13, 53:4, 53:5, 57:14, 58:25, 62:5, 67:25, 68:1, 69:18, 107:14, 117:21  <b>Minnesota</b> [1] - 125:20  <b>Minnkota</b> [1] - 120:24  <b>minor</b> [1] - 61:11  <b>minute</b> [1] - 78:14  <b>minutes</b> [1] - 82:5  <b>miss</b> [1] - 52:25  <b>missed</b> [1] - 124:18  <b>misunderstood</b> [1] - 66:15  <b>mitigate</b> [1] - 12:13  <b>mitigated</b> [3] - 57:10, 62:7, 69:9  <b>mitigating</b> [1] - 79:16  <b>mitigation</b> [2] - 57:13, 65:25  <b>Mitsubishi</b> [1] - 20:18  <b>mixture</b> [1] - 30:12  <b>mock</b> [3] - 101:1, 101:3, 101:7  <b>model</b> [1] - 88:12  <b>modeling</b> [7] - 34:3, 34:8, 37:9, 44:20, 46:13, 49:2</p>	<p><b>modifications</b> [1] - 98:2  <b>modify</b> [1] - 14:23  <b>moment</b> [1] - 113:4  <b>Monday</b> [3] - 7:3, 129:19, 129:21  <b>monitor</b> [11] - 80:25, 82:2, 82:12, 82:16, 93:15, 93:19, 94:1, 96:13, 98:17, 99:17, 103:20  <b>monitored</b> [1] - 80:14  <b>monitoring</b> [7] - 26:10, 26:17, 26:18, 91:17, 91:19, 101:10, 101:13  <b>monitors</b> [1] - 76:25  <b>month</b> [1] - 26:4  <b>months</b> [1] - 95:3  <b>Moos</b> [4] - 107:19, 108:8, 116:2, 116:16  <b>morning</b> [50] - 7:4, 7:15, 7:21, 7:25, 9:4, 9:8, 9:24, 10:1, 10:16, 11:10, 11:11, 14:16, 16:21, 16:22, 17:2, 25:15, 32:3, 32:4, 33:13, 47:3, 53:21, 53:22, 54:2, 63:9, 63:10, 74:13, 74:14, 74:20, 81:17, 84:24, 84:25, 97:21, 97:22, 104:25, 106:7, 106:8, 107:7, 109:20, 114:9, 114:10, 115:4, 115:6, 115:11, 118:15, 118:16, 118:23, 120:7, 122:2, 126:5, 130:9  <b>most</b> [14] - 11:12, 23:1, 34:13, 43:1, 43:23, 58:24, 62:4, 62:5, 62:6, 69:17, 79:20, 81:19, 89:7, 104:4  <b>mostly</b> [1] - 110:12  <b>motions</b> [2] - 15:24, 16:13  <b>motor</b> [4] - 19:8, 19:17, 26:6, 27:4  <b>motor-operated</b> [4] - 19:8, 19:17, 26:6, 27:4  <b>move</b> [5] - 16:3, 21:4, 101:19, 126:7, 129:2  <b>moved</b> [2] - 56:18, 121:6  <b>movement</b> [1] - 38:4  <b>moves</b> [1] - 40:23  <b>moving</b> [2] - 49:3, 117:14  <b>mowed</b> [1] - 71:19  <b>mowing</b> [1] - 71:14  <b>MR</b> [60] - 2:12, 9:25, 10:10, 16:8, 16:14, 16:22, 16:25, 17:7, 25:12, 25:14, 31:22, 31:25, 32:2, 33:7, 51:12, 51:13, 53:22, 53:25, 54:5, 54:8, 63:6, 63:8, 67:14, 67:17, 73:22, 73:23, 74:14, 74:17, 74:23, 75:1, 81:16, 84:18, 84:21, 84:23, 87:8, 104:11, 104:12, 105:23,</p>
<b>M</b>			
<p><b>magnitude</b> [1] - 110:16  <b>mail</b> [1] - 84:14  <b>mail-outs</b> [1] - 84:14  <b>main</b> [7] - 18:21, 18:25, 19:19, 41:24, 42:5, 46:6, 98:8  <b>mainstay</b> [1] - 123:3  <b>maintain</b> [3] - 76:10, 81:10, 97:11  <b>maintained</b> [2] - 80:21, 97:6  <b>maintenance</b> [9] - 8:12, 8:20, 19:10, 19:23, 42:4, 70:24, 71:16, 76:13, 96:18  <b>major</b> [5] - 98:5, 98:23, 101:6, 121:11, 121:12  <b>majority</b> [1] - 30:20  <b>managed</b> [1] - 60:13  <b>Management</b> [1] - 66:25  <b>manager</b> [4] - 9:12, 18:9, 105:25, 115:8  <b>managerial</b> [1] - 75:20</p>			

<p>106:5, 106:9, 106:12, 106:19, 106:20, 107:6, 107:22, 107:24, 111:21, 111:23, 118:3, 118:5, 121:21, 121:23, 126:19, 126:21, 126:22, 126:25, 127:4, 127:15, 128:19, 129:24</p> <p><b>MS</b> [48] - 2:6, 9:5, 16:1, 16:19, 17:11, 17:16, 25:8, 51:9, 53:19, 54:12, 54:17, 63:2, 73:19, 74:11, 75:5, 75:10, 81:12, 104:8, 104:17, 107:1, 109:21, 109:25, 110:3, 110:11, 110:12, 111:19, 115:4, 115:7, 115:13, 115:16, 115:23, 115:24, 118:1, 118:16, 118:19, 118:24, 119:2, 119:9, 119:10, 121:19, 126:11, 127:11, 127:18, 127:21, 127:25, 128:3, 129:19, 130:4</p> <p><b>must</b> [1] - 46:14</p>	<p><b>needed</b> [7] - 15:10, 23:13, 50:8, 60:22, 90:23, 93:12, 108:16</p> <p><b>needing</b> [1] - 70:9</p> <p><b>needs</b> [3] - 8:24, 108:19, 112:4</p> <p><b>negative</b> [2] - 95:14</p> <p><b>nesting</b> [1] - 71:13</p> <p><b>net</b> [2] - 21:15</p> <p><b>neutral</b> [1] - 119:19</p> <p><b>never</b> [2] - 91:15, 95:7</p> <p><b>new</b> [21] - 36:8, 36:13, 36:16, 36:17, 37:11, 37:12, 38:18, 61:16, 76:17, 80:11, 89:14, 89:18, 89:19, 89:22, 91:5, 91:6, 91:7, 93:16, 119:11, 122:13, 125:18</p> <p><b>newspapers</b> [1] - 111:11</p> <p><b>next</b> [9] - 11:12, 22:4, 26:4, 50:18, 53:18, 74:10, 119:17, 129:19, 129:21</p> <p><b>nick</b> [1] - 96:13</p> <p><b>night</b> [1] - 83:5</p> <p><b>nine</b> [1] - 62:2</p> <p><b>nobody</b> [1] - 123:15</p> <p><b>nondestructive</b> [1] - 24:14</p> <p><b>none</b> [12] - 32:22, 57:5, 59:6, 64:2, 64:11, 67:13, 67:17, 107:1, 111:19, 118:1, 121:19, 126:6</p> <p><b>normal</b> [2] - 103:2, 124:16</p> <p><b>north</b> [5] - 18:17, 32:22, 89:15, 113:8</p> <p><b>NORTH</b> [1] - 1:2</p> <p><b>North</b> [47] - 1:16, 1:17, 2:8, 2:14, 7:7, 7:16, 8:7, 8:15, 13:18, 15:5, 15:17, 17:3, 17:22, 35:13, 38:5, 54:3, 54:22, 55:2, 55:12, 55:16, 55:18, 58:18, 59:7, 60:7, 61:14, 64:6, 74:21, 75:16, 78:20, 78:21, 79:23, 119:13, 119:14, 119:16, 119:21, 120:6, 120:10, 120:18, 121:1, 121:3, 121:10, 121:14, 122:23, 123:6, 123:10, 125:18, 131:13</p> <p><b>northeast</b> [2] - 62:16, 65:1</p> <p><b>note</b> [3] - 9:2, 15:15, 130:7</p> <p><b>noted</b> [1] - 27:24</p> <p><b>notes</b> [1] - 131:11</p> <p><b>nothing</b> [4] - 39:8, 99:1, 104:8, 128:16</p> <p><b>notice</b> [3] - 8:8, 86:18</p> <p><b>Notice</b> [1] - 7:6</p> <p><b>notices</b> [2] - 113:20, 113:21</p> <p><b>notification</b> [1] - 102:14</p> <p><b>notified</b> [2] - 80:1, 89:16</p> <p><b>notify</b> [1] - 86:17</p>	<p><b>noxious</b> [4] - 72:8, 81:6, 96:23, 97:13</p> <p><b>number</b> [12] - 8:11, 8:16, 8:19, 14:4, 18:22, 34:12, 36:1, 45:15, 45:20, 47:4, 55:6, 113:17</p> <p><b>Number</b> [2] - 7:9, 127:11</p> <p><b>numbered</b> [1] - 18:23</p> <p><b>numbers</b> [3] - 39:17, 40:13, 78:10</p> <p><b>numerous</b> [1] - 23:9</p>	<p>100:12, 100:15, 100:19, 120:18</p> <p><b>one</b> [55] - 11:12, 13:4, 14:6, 14:18, 15:2, 19:2, 27:23, 28:17, 29:2, 31:20, 35:16, 37:11, 38:11, 38:13, 42:19, 43:7, 44:6, 44:9, 44:14, 44:17, 45:13, 47:10, 47:13, 50:10, 51:24, 52:25, 56:2, 57:5, 57:6, 62:12, 62:14, 62:16, 64:18, 67:23, 67:25, 69:3, 69:8, 72:3, 73:8, 80:12, 93:17, 98:7, 100:23, 101:4, 101:23, 103:21, 107:11, 121:10, 122:6, 124:2, 124:4, 125:2, 126:23, 127:13</p> <p><b>One</b> [1] - 79:24</p> <p><b>ones</b> [3] - 31:25, 90:6, 100:22</p> <p><b>ongoing</b> [1] - 111:1</p> <p><b>open</b> [2] - 113:25, 125:21</p> <p><b>opened</b> [3] - 24:19, 89:3, 125:18</p> <p><b>Opening</b> [4] - 3:4, 3:5, 3:6, 3:8</p> <p><b>opening</b> [4] - 11:8, 15:24, 16:2, 16:12</p> <p><b>operate</b> [1] - 101:17</p> <p><b>operated</b> [7] - 19:8, 19:17, 26:6, 26:11, 27:4, 42:6, 76:3</p> <p><b>operates</b> [1] - 66:6</p> <p><b>operating</b> [6] - 22:13, 22:16, 27:6, 36:5, 36:20, 41:16</p> <p><b>operation</b> [11] - 8:11, 8:20, 19:18, 39:8, 41:18, 48:22, 66:12, 86:6, 91:24, 93:1, 98:12</p> <p><b>operational</b> [2] - 77:12</p> <p><b>operations</b> [4] - 19:10, 19:23, 26:20, 92:6</p> <p><b>operator</b> [3] - 82:15, 83:7, 87:2</p> <p><b>operators</b> [3] - 82:21, 92:8</p> <p><b>opportunities</b> [1] - 61:19</p> <p><b>opportunity</b> [5] - 10:18, 50:22, 105:5, 105:7, 112:17</p> <p><b>oppose</b> [1] - 114:15</p> <p><b>opposing</b> [1] - 114:20</p> <p><b>opted</b> [1] - 56:15</p> <p><b>optimize</b> [1] - 59:25</p> <p><b>orange</b> [1] - 18:24</p> <p><b>order</b> [4] - 20:12, 65:24, 76:21, 117:11</p> <p><b>orderly</b> [1] - 8:24</p> <p><b>organization</b> [2] - 78:21, 121:10</p> <p><b>origin</b> [1] - 57:23</p>
<b>N</b>		<b>O</b>	
<p><b>name</b> [18] - 7:10, 16:24, 17:17, 17:19, 53:24, 54:18, 54:20, 74:15, 74:17, 75:11, 75:13, 105:1, 105:23, 109:20, 115:5, 118:17, 118:19, 119:10</p> <p><b>names</b> [1] - 78:10</p> <p><b>nation</b> [2] - 122:5, 123:11</p> <p><b>National</b> [1] - 55:17</p> <p><b>national</b> [2] - 37:3, 62:4</p> <p><b>nationally</b> [2] - 77:20, 122:23</p> <p><b>nationwide</b> [1] - 38:4</p> <p><b>native</b> [3] - 58:18, 58:22, 59:2</p> <p><b>natural</b> [7] - 47:14, 48:2, 76:3, 79:7, 93:21, 93:23, 121:6</p> <p><b>naturally</b> [1] - 57:22</p> <p><b>nature</b> [1] - 116:13</p> <p><b>NDIC</b> [2] - 35:11, 38:9</p> <p><b>near</b> [4] - 11:17, 19:18, 90:4, 96:21</p> <p><b>nearby</b> [1] - 43:15</p> <p><b>nearest</b> [3] - 89:8, 90:4, 90:6</p> <p><b>nearly</b> [1] - 121:3</p> <p><b>necessarily</b> [2] - 39:10, 85:25</p> <p><b>need</b> [16] - 15:8, 22:1, 44:16, 51:24, 51:25, 66:18, 70:13, 78:15, 78:17, 83:6, 83:23, 99:16, 110:18, 117:9, 126:23, 129:5</p>		<p><b>O'Berry</b> [17] - 9:18, 26:19, 41:21, 49:9, 66:13, 66:18, 71:16, 74:12, 74:13, 74:17, 75:13, 80:19, 81:17, 84:18, 87:14, 97:21, 104:15</p> <p><b>O'BERRY</b> [6] - 4:14, 74:14, 74:17, 74:23, 75:1, 75:6</p> <p><b>O'Berry's</b> [1] - 29:5</p> <p><b>o'clock</b> [1] - 74:3</p> <p><b>o-i-e</b> [1] - 53:25</p> <p><b>objection</b> [3] - 16:6, 126:18, 127:6</p> <p><b>objections</b> [1] - 16:8</p> <p><b>obstacle</b> [1] - 13:12</p> <p><b>obstructions</b> [1] - 50:9</p> <p><b>obtain</b> [2] - 58:4, 60:17</p> <p><b>obtaining</b> [1] - 25:21</p> <p><b>obviously</b> [2] - 32:12, 35:7</p> <p><b>occupation</b> [3] - 17:18, 54:19, 75:12</p> <p><b>occupied</b> [1] - 32:23</p> <p><b>occur</b> [1] - 24:24</p> <p><b>occurring</b> [5] - 21:24, 24:17, 26:3, 43:9, 101:13</p> <p><b>occurs</b> [2] - 24:11, 125:9</p> <p><b>odd</b> [1] - 61:11</p> <p><b>OF</b> [4] - 1:2, 1:11, 3:2, 131:1</p> <p><b>offer</b> [1] - 112:17</p> <p><b>Offered</b> [1] - 6:3</p> <p><b>Office</b> [1] - 7:13</p> <p><b>office</b> [2] - 32:8, 89:20</p> <p><b>officer</b> [2] - 7:11, 55:16</p> <p><b>offices</b> [1] - 58:1</p> <p><b>officials</b> [2] - 78:25, 100:17</p> <p><b>often</b> [7] - 71:17, 84:8, 84:10, 99:6, 99:17, 123:3</p> <p><b>oil</b> [4] - 37:5, 40:9, 94:8, 121:6</p> <p><b>oilfield</b> [1] - 94:12</p> <p><b>old</b> [2] - 62:3, 93:17</p> <p><b>on-site</b> [3] - 24:8, 100:5, 108:12</p> <p><b>once</b> [16] - 24:7, 25:1, 42:16, 42:22, 46:13, 83:12, 89:25, 90:15, 91:16, 94:20,</p>	

<p><b>original</b> <sup>[4]</sup> - 63:12, 80:12, 81:2, 81:3</p> <p><b>originally</b> <sup>[1]</sup> - 88:12</p> <p><b>outlined</b> <sup>[1]</sup> - 129:6</p> <p><b>outreach</b> <sup>[3]</sup> - 37:19, 38:17, 38:20</p> <p><b>outs</b> <sup>[1]</sup> - 84:14</p> <p><b>outside</b> <sup>[6]</sup> - 8:6, 44:19, 51:22, 53:3, 87:25, 95:12</p> <p><b>oversight</b> <sup>[2]</sup> - 91:12, 108:15</p> <p><b>overview</b> <sup>[1]</sup> - 33:19</p> <p><b>own</b> <sup>[3]</sup> - 97:11, 108:9, 110:13</p>	<p>10:10, 16:8, 16:14, 25:12, 25:14, 31:22, 51:12, 63:6, 63:8, 67:14, 73:22, 81:16, 84:18, 104:11, 107:6, 107:22, 111:21, 118:3, 121:21, 126:19, 126:22, 126:25, 127:4, 127:15, 128:19, 129:24</p> <p><b>Pelham</b>..... <sup>[4]</sup> - 3:21, 4:10, 4:17, 5:6</p> <p><b>penalties</b> <sup>[7]</sup> - 17:3, 54:3, 74:21, 106:8, 109:24, 115:11, 118:22</p> <p><b>pending</b> <sup>[1]</sup> - 34:17</p> <p><b>people</b> <sup>[31]</sup> - 12:4, 13:8, 36:15, 44:23, 47:10, 47:18, 77:6, 79:15, 82:18, 89:16, 90:20, 90:22, 92:1, 92:13, 92:25, 93:4, 96:5, 96:23, 100:7, 102:10, 102:11, 102:12, 102:16, 104:20, 105:17, 110:21, 111:5, 122:8, 123:17, 123:22</p> <p><b>people's</b> <sup>[1]</sup> - 45:1</p> <p><b>per</b> <sup>[10]</sup> - 21:8, 22:22, 45:19, 45:21, 45:25, 46:4, 46:5, 46:10, 86:9, 101:4</p> <p><b>percent</b> <sup>[5]</sup> - 24:13, 40:20, 41:2, 71:25, 82:3</p> <p><b>percentage</b> <sup>[1]</sup> - 41:8</p> <p><b>performed</b> <sup>[2]</sup> - 24:12, 34:8</p> <p><b>perhaps</b> <sup>[2]</sup> - 25:19, 68:20</p> <p><b>period</b> <sup>[1]</sup> - 59:20</p> <p><b>perjury</b> <sup>[15]</sup> - 17:3, 17:4, 17:6, 54:3, 54:7, 74:21, 74:25, 106:8, 106:11, 109:24, 110:2, 115:12, 115:15, 118:23, 119:1</p> <p><b>permanent</b> <sup>[3]</sup> - 56:19, 72:24, 116:13</p> <p><b>permit</b> <sup>[25]</sup> - 8:3, 14:9, 27:20, 27:25, 28:3, 28:18, 35:17, 39:9, 44:4, 60:17, 60:20, 61:1, 61:8, 61:12, 61:15, 61:23, 66:19, 70:8, 70:9, 70:14, 107:12, 116:11, 116:18, 116:19, 117:10</p> <p><b>permits</b> <sup>[7]</sup> - 38:11, 40:22, 52:12, 52:15, 52:16, 60:22, 91:7</p> <p><b>permitted</b> <sup>[4]</sup> - 10:5, 27:8, 35:13, 42:21</p> <p><b>permitting</b> <sup>[7]</sup> - 18:11, 27:15, 27:16, 28:22, 35:3, 37:24, 112:13</p> <p><b>person</b> <sup>[4]</sup> - 36:18, 120:4, 123:7, 123:8</p> <p><b>personally</b> <sup>[2]</sup> - 79:2, 90:18</p> <p><b>personnel</b> <sup>[3]</sup> - 82:24, 83:16, 125:23</p>	<p><b>perspective</b> <sup>[2]</sup> - 45:10, 113:11</p> <p><b>pesticide</b> <sup>[1]</sup> - 81:4</p> <p><b>phase</b> <sup>[1]</sup> - 85:21</p> <p><b>PHMSA</b> <sup>[1]</sup> - 48:12</p> <p><b>phone</b> <sup>[2]</sup> - 64:13, 78:13</p> <p><b>phones</b> <sup>[1]</sup> - 7:18</p> <p><b>photo</b> <sup>[2]</sup> - 68:12, 68:16</p> <p><b>photos</b> <sup>[1]</sup> - 11:4</p> <p><b>phrased</b> <sup>[1]</sup> - 97:24</p> <p><b>physical</b> <sup>[1]</sup> - 99:19</p> <p><b>physically</b> <sup>[2]</sup> - 83:3, 92:23</p> <p><b>pick</b> <sup>[2]</sup> - 89:7, 103:7</p> <p><b>picture</b> <sup>[1]</sup> - 68:11</p> <p><b>pictures</b> <sup>[1]</sup> - 57:12</p> <p><b>pig</b> <sup>[8]</sup> - 19:9, 19:12, 25:6, 77:4, 99:8, 99:14, 99:17, 125:3</p> <p><b>pigging</b> <sup>[1]</sup> - 98:12</p> <p><b>pigs</b> <sup>[1]</sup> - 95:9</p> <p><b>pike</b> <sup>[1]</sup> - 119:16</p> <p><b>pilot</b> <sup>[2]</sup> - 86:22, 86:25</p> <p><b>pinpoint</b> <sup>[1]</sup> - 82:8</p> <p><b>pipe</b> <sup>[17]</sup> - 24:5, 24:22, 48:15, 81:25, 82:1, 85:17, 94:13, 95:2, 95:12, 95:17, 95:18, 95:22, 98:16, 98:17, 103:22, 125:8</p> <p><b>pipe's</b> <sup>[1]</sup> - 95:14</p> <p><b>pipeline</b> <sup>[83]</sup> - 8:4, 8:6, 9:18, 19:7, 22:9, 22:19, 22:20, 24:10, 24:11, 24:16, 24:17, 25:3, 26:19, 26:21, 36:11, 41:13, 42:22, 48:9, 48:19, 48:22, 48:23, 49:7, 49:14, 49:18, 57:23, 60:25, 61:10, 65:20, 68:7, 72:4, 75:14, 75:20, 75:25, 76:14, 77:7, 77:11, 77:15, 77:18, 78:12, 78:21, 78:23, 79:4, 79:8, 79:11, 79:16, 79:19, 79:21, 79:25, 80:3, 80:10, 80:11, 80:23, 81:1, 83:4, 84:15, 84:16, 88:13, 89:13, 89:14, 89:17, 89:18, 89:22, 91:2, 92:10, 93:23, 94:21, 98:1, 98:3, 100:18, 100:23, 100:24, 101:11, 102:13, 102:14, 103:5, 110:24, 120:5, 120:23, 123:20, 125:3, 125:7</p> <p><b>Pipeline</b> <sup>[2]</sup> - 1:5, 78:20</p> <p><b>pipelines</b> <sup>[13]</sup> - 26:17, 39:7, 49:24, 50:1, 55:7, 79:1, 79:23, 93:15, 93:25, 94:8, 96:4, 124:3, 125:6</p> <p><b>pipes</b> <sup>[1]</sup> - 96:9</p> <p><b>pipng</b> <sup>[3]</sup> - 76:23, 77:1, 98:22</p> <p><b>pit</b> <sup>[1]</sup> - 116:10</p>	<p><b>place</b> <sup>[8]</sup> - 11:13, 11:15, 15:19, 50:15, 78:18, 81:22, 123:25, 131:7</p> <p><b>placed</b> <sup>[1]</sup> - 125:8</p> <p><b>Plains</b> <sup>[3]</sup> - 18:17, 20:17, 26:13</p> <p><b>plan</b> <sup>[9]</sup> - 20:24, 61:3, 65:25, 77:18, 79:7, 83:2, 91:10, 100:3, 108:25</p> <p><b>plane</b> <sup>[1]</sup> - 86:23</p> <p><b>planned</b> <sup>[4]</sup> - 38:23, 46:7, 64:20, 119:20</p> <p><b>planning</b> <sup>[2]</sup> - 70:17, 125:23</p> <p><b>plans</b> <sup>[8]</sup> - 20:22, 29:13, 29:19, 29:24, 31:15, 63:14, 68:9, 120:15</p> <p><b>Plant</b> <sup>[3]</sup> - 18:17, 20:17, 26:13</p> <p><b>plant</b> <sup>[15]</sup> - 20:13, 20:23, 32:11, 83:25, 86:19, 91:15, 91:25, 92:24, 98:9, 98:19, 101:6, 101:8, 101:11, 101:19</p> <p><b>plant's</b> <sup>[2]</sup> - 21:13, 101:13</p> <p><b>plants</b> <sup>[3]</sup> - 59:2, 108:11, 123:8</p> <p><b>played</b> <sup>[1]</sup> - 21:2</p> <p><b>PLLC</b> <sup>[1]</sup> - 2:12</p> <p><b>plug</b> <sup>[1]</sup> - 50:19</p> <p><b>plus</b> <sup>[1]</sup> - 93:6</p> <p><b>point</b> <sup>[4]</sup> - 16:7, 50:11, 83:2, 102:21</p> <p><b>points</b> <sup>[2]</sup> - 82:1, 114:11</p> <p><b>poisoning</b> <sup>[1]</sup> - 77:10</p> <p><b>portion</b> <sup>[5]</sup> - 11:2, 39:4, 53:7, 104:19, 126:7</p> <p><b>portions</b> <sup>[1]</sup> - 33:5</p> <p><b>position</b> <sup>[2]</sup> - 39:3, 75:20</p> <p><b>positions</b> <sup>[1]</sup> - 122:18</p> <p><b>positive</b> <sup>[2]</sup> - 21:15, 95:15</p> <p><b>possibility</b> <sup>[1]</sup> - 56:17</p> <p><b>possible</b> <sup>[6]</sup> - 13:16, 13:20, 59:18, 128:7, 128:10, 128:12</p> <p><b>possibly</b> <sup>[1]</sup> - 91:7</p> <p><b>potential</b> <sup>[11]</sup> - 20:16, 21:13, 24:24, 25:19, 39:18, 40:2, 40:11, 42:2, 57:20, 59:12, 118:22</p> <p><b>potentially</b> <sup>[2]</sup> - 24:21, 62:2</p> <p><b>pounds</b> <sup>[2]</sup> - 85:16, 85:20</p> <p><b>power</b> <sup>[3]</sup> - 18:5, 27:4, 108:11</p> <p><b>Power</b> <sup>[1]</sup> - 2:7</p> <p><b>power-generating</b> <sup>[1]</sup> - 18:5</p> <p><b>practicable</b> <sup>[1]</sup> - 58:23</p> <p><b>practice</b> <sup>[1]</sup> - 72:13</p> <p><b>prairie</b> <sup>[2]</sup> - 58:22, 59:3</p> <p><b>preference</b> <sup>[1]</sup> - 50:24</p> <p><b>preliminary</b> <sup>[3]</sup> - 15:23,</p>
<b>P</b>			
<p><b>P.O</b> <sup>[1]</sup> - 2:14</p> <p><b>page</b> <sup>[3]</sup> - 18:16, 18:18, 70:22</p> <p><b>Page</b> <sup>[30]</sup> - 3:3, 3:15, 3:20, 3:21, 3:22, 3:23, 3:24, 3:25, 4:3, 4:4, 4:6, 4:9, 4:10, 4:11, 4:12, 4:13, 4:16, 4:17, 4:18, 4:19, 4:20, 4:21, 5:5, 5:6, 5:7, 5:10, 5:11, 5:12, 5:15, 5:18</p> <p><b>pages</b> <sup>[3]</sup> - 63:22, 127:1, 131:10</p> <p><b>PAMELA</b> <sup>[3]</sup> - 5:17, 118:20, 119:5</p> <p><b>Pamela</b> <sup>[4]</sup> - 118:19, 119:10, 122:1, 124:14</p> <p><b>parallel</b> <sup>[4]</sup> - 50:4, 50:7, 70:23, 116:9</p> <p><b>part</b> <sup>[16]</sup> - 14:8, 20:25, 34:13, 43:25, 50:23, 63:12, 68:20, 73:6, 81:9, 83:7, 95:10, 96:23, 99:24, 100:6, 119:21</p> <p><b>partially</b> <sup>[1]</sup> - 106:21</p> <p><b>participate</b> <sup>[2]</sup> - 112:12, 112:19</p> <p><b>particular</b> <sup>[6]</sup> - 15:3, 37:20, 38:18, 41:23, 83:10, 112:16</p> <p><b>particularly</b> <sup>[1]</sup> - 124:25</p> <p><b>parties</b> <sup>[2]</sup> - 9:1, 79:18</p> <p><b>party</b> <sup>[1]</sup> - 79:22</p> <p><b>past</b> <sup>[3]</sup> - 18:1, 36:10, 119:20</p> <p><b>pastureland</b> <sup>[5]</sup> - 30:21, 30:23, 31:1, 72:2</p> <p><b>path</b> <sup>[1]</sup> - 101:20</p> <p><b>Pearce</b> <sup>[1]</sup> - 2:12</p> <p><b>Pelham</b> <sup>[16]</sup> - 9:22, 10:3, 16:5, 16:12, 25:11, 51:10, 63:5, 73:20, 81:14, 104:9, 107:3, 111:20, 118:2, 121:20, 126:18, 128:17</p> <p><b>PELHAM</b> <sup>[28]</sup> - 2:12, 9:25,</p>			

<p>44:17, 62:21  <b>premature</b> [1] - 116:9  <b>preparation</b> [2] - 56:1, 61:2  <b>prepare</b> [1] - 61:5  <b>prepared</b> [7] - 25:18, 31:12, 56:2, 64:10, 64:16, 65:12, 70:10  <b>preparing</b> [1] - 71:11  <b>prerequisite</b> [2] - 61:1, 61:2  <b>present</b> [4] - 10:15, 64:11, 88:8, 107:8  <b>PRESENT</b> [1] - 2:2  <b>presentation</b> [1] - 10:13  <b>preservation</b> [1] - 8:17  <b>press</b> [1] - 114:13  <b>pressure</b> [10] - 22:11, 22:14, 22:16, 82:1, 85:6, 85:10, 85:11, 91:19, 98:8, 98:14  <b>pressures</b> [2] - 82:17, 91:20  <b>pretty</b> [7] - 12:25, 52:15, 53:1, 72:22, 96:17, 98:6, 110:14  <b>prevent</b> [2] - 21:24, 43:9  <b>preventing</b> [1] - 42:25  <b>previous</b> [2] - 80:20, 105:18  <b>previously</b> [3] - 57:9, 69:17, 69:21  <b>problem</b> [1] - 97:1  <b>problems</b> [3] - 84:5, 91:16, 98:7  <b>procedures</b> [1] - 84:6  <b>proceedings</b> [2] - 7:1, 131:6  <b>PROCEEDINGS</b> [1] - 3:2  <b>process</b> [20] - 14:24, 23:18, 26:1, 26:9, 27:15, 27:16, 28:11, 35:4, 35:5, 35:9, 35:11, 37:24, 39:6, 41:9, 47:22, 50:23, 61:15, 61:20, 94:20, 112:13  <b>produce</b> [1] - 8:13  <b>produced</b> [3] - 20:13, 47:13, 47:19  <b>producing</b> [1] - 48:2  <b>product</b> [1] - 47:13  <b>production</b> [1] - 12:2  <b>productive</b> [2] - 12:14, 15:20  <b>products</b> [1] - 47:13  <b>professional</b> [2] - 54:24, 55:17  <b>Professional</b> [2] - 131:4, 131:18  <b>program</b> [10] - 76:13, 76:22, 76:25, 77:16, 79:12, 83:8, 84:13, 84:17, 89:25, 90:17  <b>programs</b> [1] - 89:16  <b>project</b> [75] - 8:4, 8:5, 9:12, 11:21, 11:23, 13:11, 14:8, 15:3, 15:18, 18:7, 18:8, 18:10, 18:13, 20:10, 20:12, 20:20, 20:23, 21:4, 21:6,</p>	<p>21:12, 22:6, 22:7, 22:15, 22:24, 22:25, 23:7, 23:14, 23:16, 23:25, 28:3, 28:14, 29:13, 31:18, 31:20, 32:22, 33:15, 35:7, 36:17, 37:20, 38:16, 38:18, 38:20, 39:4, 50:18, 52:11, 55:24, 56:10, 56:24, 57:4, 58:23, 60:3, 60:11, 60:18, 60:23, 66:20, 76:6, 76:11, 83:10, 83:18, 84:10, 106:23, 107:13, 107:20, 112:3, 114:16, 116:3, 116:12, 116:23, 120:2, 120:8, 120:23, 123:25, 127:14, 129:1  <b>project's</b> [1] - 30:6  <b>projection</b> [1] - 108:14  <b>projections</b> [1] - 108:9  <b>projects</b> [9] - 13:3, 13:16, 18:4, 50:24, 55:7, 55:21, 76:4, 119:19, 124:9  <b>proof</b> [1] - 101:16  <b>proper</b> [1] - 15:14  <b>properly</b> [2] - 12:8, 76:20  <b>properties</b> [2] - 67:8, 95:21  <b>Properties</b> [3] - 23:17, 105:25, 115:9  <b>Properties'</b> [1] - 106:21  <b>property</b> [2] - 81:10  <b>proposed</b> [32] - 8:4, 8:12, 8:16, 8:21, 11:24, 18:7, 18:13, 18:23, 20:10, 20:12, 20:20, 21:17, 22:15, 22:24, 27:24, 28:2, 32:7, 56:16, 57:4, 57:15, 57:18, 60:23, 64:19, 76:6, 76:11, 83:18, 107:13, 127:13, 129:4, 129:18, 130:2  <b>proprietary</b> [1] - 45:23  <b>protect</b> [3] - 80:9, 100:6  <b>protected</b> [1] - 95:11  <b>protection</b> [9] - 75:22, 76:25, 77:24, 78:3, 93:8, 95:20, 96:3, 96:11, 104:1  <b>proven</b> [1] - 15:10  <b>provide</b> [16] - 18:12, 39:3, 54:18, 63:15, 68:2, 78:4, 78:24, 79:5, 90:11, 101:16, 105:10, 115:3, 116:20, 116:21, 126:5, 127:22  <b>provided</b> [4] - 23:10, 23:15, 58:5, 128:24  <b>provides</b> [1] - 22:10  <b>providing</b> [3] - 11:3, 37:18, 63:25  <b>provisions</b> [1] - 65:24  <b>proximity</b> [2] - 32:14, 99:20  <b>PSC</b> [3] - 20:1, 30:13, 55:9  <b>psi</b> [2] - 22:17, 85:18  <b>PU-21-150</b> [2] - 1:5, 7:9</p>	<p><b>Public</b> [3] - 7:7, 7:8, 7:14  <b>PUBLIC</b> [3] - 1:3, 2:15, 5:2  <b>public</b> [27] - 10:4, 10:12, 35:5, 37:14, 37:19, 38:1, 44:12, 61:18, 61:19, 61:21, 61:22, 68:20, 78:25, 84:13, 100:16, 100:17, 104:19, 104:22, 105:5, 105:6, 112:14, 112:23, 113:14, 113:16, 113:21, 113:25, 120:4  <b>public's</b> [1] - 13:24  <b>published</b> [2] - 59:7, 59:8  <b>pun</b> [1] - 110:24  <b>punishable</b> [1] - 17:4  <b>purposes</b> [1] - 30:19  <b>push</b> [1] - 112:17  <b>put</b> [9] - 15:18, 42:22, 50:19, 88:23, 89:1, 95:19, 95:20, 119:25, 120:2</p>	<p><b>range</b> [1] - 88:10  <b>rate</b> [1] - 22:14  <b>raw</b> [1] - 50:1  <b>ray</b> [2] - 24:12, 24:13  <b>reach</b> [2] - 80:2, 90:15  <b>read</b> [2] - 105:12, 127:4  <b>reality</b> [2] - 125:2, 125:7  <b>really</b> [38] - 37:18, 39:8, 44:22, 45:10, 48:24, 55:25, 57:5, 57:24, 58:11, 58:23, 59:2, 59:17, 60:8, 64:25, 65:15, 65:16, 65:18, 70:22, 71:4, 71:6, 83:12, 94:25, 96:11, 98:5, 98:14, 112:1, 114:24, 117:6, 119:16, 120:1, 120:5, 120:7, 120:8, 122:1, 122:3, 122:9, 122:16, 125:9  <b>realm</b> [1] - 121:1  <b>reason</b> [1] - 29:16  <b>reasonable</b> [1] - 58:9  <b>receive</b> [2] - 83:17, 125:11  <b>received</b> [5] - 32:18, 58:17, 60:20, 60:22, 67:12  <b>Received</b> [1] - 6:3  <b>receiver</b> [1] - 19:13  <b>recent</b> [1] - 116:4  <b>recently</b> [5] - 59:7, 60:19, 64:10, 93:22, 120:11  <b>Recessed</b> [1] - 74:4  <b>reclaimed</b> [2] - 43:3, 65:17  <b>reclamation</b> [6] - 28:14, 30:8, 70:19, 107:16, 116:2, 116:22  <b>recognized</b> [1] - 77:20  <b>recognizing</b> [1] - 12:11  <b>recommendation</b> [2] - 67:5, 69:24  <b>recommended</b> [1] - 58:21  <b>reconvene</b> [1] - 74:3  <b>reconvened</b> [1] - 74:4  <b>record</b> [17] - 7:2, 7:24, 9:3, 9:23, 11:5, 16:11, 16:23, 53:24, 74:7, 74:16, 105:1, 118:18, 124:9, 126:24, 127:9, 130:7, 131:7  <b>recordable</b> [1] - 77:13  <b>recorded</b> [3] - 57:6, 57:12, 131:5  <b>recordings</b> [1] - 113:25  <b>recovery</b> [1] - 40:9  <b>red</b> [1] - 18:20  <b>redirect</b> [3] - 51:8, 73:18, 104:7  <b>redone</b> [1] - 44:20  <b>reducing</b> [2] - 21:11  <b>refer</b> [1] - 18:14  <b>referred</b> [1] - 111:1  <b>refined</b> [1] - 59:19  <b>refresher</b> [1] - 100:13</p>	
		<b>Q</b>		
		<p><b>qualification</b> [1] - 83:7  <b>quality</b> [3] - 24:6, 24:14, 48:23  <b>Quality</b> [1] - 55:14  <b>quarter</b> [2] - 62:16, 65:1  <b>Queen</b> [1] - 12:22  <b>questions</b> [66] - 10:5, 10:6, 11:3, 13:24, 14:5, 25:9, 25:11, 26:24, 31:24, 37:13, 42:9, 43:18, 43:23, 44:10, 45:2, 45:8, 46:23, 47:5, 47:9, 51:5, 51:11, 51:15, 53:15, 63:3, 63:5, 67:15, 67:16, 70:18, 72:17, 73:16, 73:21, 73:25, 80:20, 81:13, 81:14, 81:18, 81:19, 84:19, 87:8, 103:25, 104:5, 104:10, 104:14, 105:8, 106:25, 107:3, 107:23, 107:24, 108:3, 109:6, 110:20, 111:17, 111:18, 111:22, 111:23, 115:25, 116:5, 116:24, 117:6, 117:25, 118:9, 121:18, 121:23, 127:5, 128:15  <b>quick</b> [2] - 31:25, 93:13  <b>quickly</b> [2] - 13:15, 129:2  <b>quite</b> [2] - 59:19, 104:3</p>		
		<b>R</b>		
		<p><b>raise</b> [1] - 104:20  <b>raised</b> [1] - 107:11  <b>ramrod</b> [1] - 13:11  <b>Randy</b> [1] - 11:17  <b>RANDY</b> [1] - 2:4</p>		

<p><b>refuges</b> [1] - 60:15  <b>regarding</b> [10] - 8:2, 23:12, 58:3, 66:10, 66:11, 70:19, 71:16, 94:19, 128:5, 128:11  <b>regardless</b> [1] - 102:21  <b>regards</b> [1] - 38:17  <b>region</b> [1] - 108:11  <b>regional</b> [1] - 50:20  <b>Registered</b> [2] - 131:3, 131:18  <b>registered</b> [2] - 55:17, 79:23  <b>regrow</b> [1] - 65:18  <b>regular</b> [3] - 23:11, 48:18, 53:7  <b>regulators</b> [1] - 124:20  <b>regulations</b> [1] - 22:8  <b>regulatory</b> [1] - 125:22  <b>rein</b> [1] - 47:5  <b>related</b> [4] - 55:21, 65:24, 66:5, 70:21  <b>relates</b> [2] - 79:17, 124:25  <b>relation</b> [1] - 80:4  <b>relationship</b> [1] - 105:4  <b>release</b> [7] - 77:9, 88:16, 101:12, 101:21, 102:8, 102:17, 102:19  <b>released</b> [2] - 116:10, 116:19  <b>releases</b> [1] - 77:13  <b>relevant</b> [1] - 27:19  <b>reliability</b> [3] - 8:23, 15:10, 122:21  <b>rely</b> [1] - 36:20  <b>relying</b> [1] - 37:8  <b>remaining</b> [1] - 96:24  <b>remarks</b> [7] - 15:24, 16:13, 126:8, 126:10, 126:11, 128:18  <b>remobilize</b> [1] - 22:1  <b>remote</b> [1] - 19:17  <b>remotely</b> [5] - 26:7, 26:9, 26:11, 80:17, 82:23  <b>removed</b> [2] - 57:13, 62:7  <b>renewable</b> [1] - 122:12  <b>renewables</b> [2] - 121:7, 123:5  <b>renewed</b> [1] - 40:10  <b>rented</b> [1] - 31:1  <b>repair</b> [2] - 96:14, 96:15  <b>repairs</b> [1] - 91:22  <b>repeating</b> [1] - 105:18  <b>replanting</b> [2] - 30:8, 30:10  <b>report</b> [9] - 61:25, 62:9, 62:25, 63:11, 63:15, 63:19, 63:21, 65:21, 127:8  <b>Reporter</b> [2] - 131:4, 131:18  <b>REPORTER</b> [1] - 131:1  <b>Reporter.....</b> [1] - 3:15  <b>reports</b> [1] - 126:14</p>	<p><b>represented</b> [1] - 18:24  <b>representing</b> [2] - 105:2, 122:19  <b>request</b> [4] - 7:13, 81:8, 111:12, 117:21  <b>requested</b> [1] - 30:13  <b>require</b> [1] - 28:21  <b>required</b> [7] - 17:2, 23:23, 42:17, 53:8, 61:22, 91:10, 112:14  <b>requirement</b> [1] - 50:22  <b>requirements</b> [6] - 14:21, 15:14, 15:18, 22:11, 48:12, 71:18  <b>rescue</b> [1] - 78:7  <b>residence</b> [7] - 89:8, 89:19, 90:5, 90:20, 102:4, 102:5, 102:15  <b>residences</b> [7] - 32:5, 89:9, 89:12, 89:22, 90:6, 90:8, 127:12  <b>residents</b> [5] - 11:12, 78:11, 78:13, 78:24, 91:4  <b>resource</b> [3] - 15:8, 57:3, 57:6  <b>Resources</b> [2] - 120:12, 120:13  <b>resources</b> [5] - 8:18, 12:3, 56:5, 69:20, 112:6  <b>respect</b> [1] - 48:3  <b>respond</b> [1] - 115:24  <b>responders</b> [5] - 77:21, 78:25, 79:6, 83:17, 100:16  <b>responding</b> [1] - 93:10  <b>response</b> [12] - 29:4, 66:17, 67:9, 67:11, 77:16, 77:17, 78:2, 78:15, 91:10, 91:12, 99:25, 100:3  <b>responsibilities</b> [4] - 18:6, 18:9, 55:23, 76:5  <b>responsibility</b> [2] - 20:7, 123:19  <b>rest</b> [1] - 81:11  <b>restart</b> [1] - 29:12  <b>restraints</b> [1] - 41:7  <b>result</b> [2] - 23:24, 98:3  <b>results</b> [1] - 34:18  <b>retired</b> [1] - 55:15  <b>return</b> [1] - 81:3  <b>reverse</b> [1] - 78:9  <b>right-of-way</b> [14] - 53:7, 56:19, 71:17, 72:24, 76:15, 76:17, 80:7, 80:21, 81:1, 81:7, 89:19, 97:10, 97:12, 125:4  <b>risk</b> [3] - 77:6, 77:9, 79:17  <b>risks</b> [1] - 79:15  <b>Road</b> [2] - 75:15, 113:7  <b>road</b> [4] - 43:15, 61:13, 70:23, 96:21</p>	<p><b>rocks</b> [1] - 24:20  <b>role</b> [7] - 13:9, 13:14, 13:24, 18:8, 18:9, 75:22, 76:7  <b>room</b> [16] - 26:12, 26:16, 40:18, 54:2, 73:5, 74:19, 80:15, 82:12, 82:15, 82:19, 82:22, 82:24, 92:7, 92:9, 92:16, 124:20  <b>rooms</b> [1] - 101:15  <b>roomy</b> [1] - 11:16  <b>rotating</b> [1] - 93:1  <b>roughly</b> [2] - 65:3, 65:4  <b>route</b> [21] - 8:3, 11:23, 23:1, 23:10, 23:12, 23:23, 25:19, 28:12, 30:4, 32:7, 56:18, 57:15, 57:18, 58:16, 59:5, 59:14, 59:17, 59:19, 60:1, 83:21, 106:23  <b>routes</b> [1] - 59:12  <b>routine</b> [1] - 124:16  <b>routing</b> [6] - 22:24, 22:25, 23:6, 23:8, 58:14, 59:24  <b>run</b> [7] - 50:4, 50:7, 77:3, 85:19, 95:9, 99:14, 122:9  <b>running</b> [3] - 25:5, 94:25, 98:7  <b>runs</b> [3] - 70:23, 89:14, 113:7  <b>rural</b> [3] - 32:5, 49:23, 49:24</p>	<p><b>Schock</b> [10] - 10:3, 31:23, 51:10, 67:16, 73:20, 84:19, 104:9, 107:4, 118:4, 121:22  <b>SCHOCK</b> [14] - 31:25, 32:2, 33:7, 51:13, 67:17, 73:23, 84:21, 84:23, 87:8, 104:12, 107:24, 111:23, 118:5, 121:23  <b>Schock.....</b> [2] - 3:22, 4:18  <b>science</b> [1] - 55:3  <b>scientist</b> [1] - 55:15  <b>scope</b> [2] - 33:16, 110:15  <b>scoping</b> [1] - 59:21  <b>screen</b> [1] - 82:15  <b>seal</b> [1] - 85:16  <b>search</b> [1] - 69:22  <b>second</b> [2] - 9:13, 9:16  <b>seconds</b> [1] - 89:4  <b>Section</b> [3] - 62:16, 65:1, 66:18  <b>section</b> [1] - 81:9  <b>sector</b> [1] - 124:25  <b>see</b> [39] - 16:15, 34:9, 35:1, 39:16, 40:5, 40:13, 41:12, 43:16, 45:17, 50:25, 55:11, 65:3, 66:15, 67:5, 68:18, 71:8, 72:5, 85:14, 86:17, 86:20, 87:6, 87:7, 87:23, 88:1, 88:2, 88:12, 91:9, 91:23, 93:5, 94:8, 101:1, 104:20, 114:3, 114:5, 123:17, 123:18, 124:19, 124:20, 126:19  <b>seed</b> [1] - 30:12  <b>seeing</b> [2] - 90:6, 126:6  <b>seem</b> [1] - 12:23  <b>selected</b> [3] - 33:20, 34:2, 34:13  <b>send</b> [4] - 64:7, 64:13, 86:19, 95:16  <b>senior</b> [2] - 9:14, 54:22  <b>Senior</b> [1] - 2:7  <b>sense</b> [1] - 82:4  <b>sensed</b> [1] - 80:16  <b>senses</b> [1] - 82:2  <b>sensitive</b> [2] - 89:1, 89:7  <b>sent</b> [3] - 7:22, 58:20, 59:20  <b>separate</b> [5] - 29:25, 51:25, 70:13, 82:14, 82:15  <b>separation</b> [2] - 29:23, 29:24  <b>September</b> [5] - 21:22, 50:12, 50:13, 50:14, 52:10  <b>sequester</b> [2] - 20:13, 39:18  <b>sequestered</b> [2] - 40:12, 40:21  <b>sequestering</b> [1] - 40:24  <b>sequestration</b> [11] - 20:25, 21:9, 21:10, 36:11, 36:12,</p>
<b>S</b>			
<p><b>S-c-h-i-l-k-e</b> [1] - 16:25  <b>safe</b> [6] - 37:15, 101:25, 102:1, 103:17, 114:17, 123:21  <b>safely</b> [3] - 102:21, 122:20, 124:9  <b>safety</b> [9] - 24:1, 66:10, 66:11, 77:16, 78:22, 78:23, 100:25, 125:3, 125:7  <b>Sam</b> [1] - 53:25  <b>Sarah</b> [3] - 107:17, 108:22, 115:7  <b>SARAH</b> [2] - 5:14, 115:19  <b>satisfaction</b> [1] - 13:23  <b>saw</b> [1] - 113:17  <b>SCADA</b> [1] - 125:6  <b>scale</b> [1] - 59:9  <b>scenario</b> [2] - 21:2, 103:9  <b>scene</b> [2] - 120:19, 121:15  <b>SCF</b> [1] - 39:19  <b>schedule</b> [1] - 21:17  <b>scheme</b> [1] - 98:25  <b>SCHILKE</b> [5] - 3:18, 16:22, 16:25, 17:7, 17:12  <b>Schilke</b> [14] - 9:10, 16:20, 16:21, 17:19, 25:8, 25:15, 31:22, 33:13, 57:22, 59:17, 61:10, 62:17, 67:24, 72:10</p>			

<p>36:13, 37:10, 38:5, 46:21, 108:17, 128:6</p> <p><b>series</b> [1] - 59:9</p> <p><b>serve</b> [2] - 99:3, 114:22</p> <p><b>Service</b> [3] - 7:8, 7:14, 66:23</p> <p><b>SERVICE</b> [2] - 1:3, 2:15</p> <p><b>service</b> [8] - 22:4, 42:3, 67:8, 73:3, 77:24, 83:13, 89:2, 98:12</p> <p><b>services</b> [3] - 75:22, 78:3, 93:9</p> <p><b>sessions</b> [2] - 111:11, 113:15</p> <p><b>set</b> [9] - 7:6, 14:21, 29:11, 48:13, 59:15, 77:23, 127:20, 129:17</p> <p><b>setback</b> [2] - 42:24, 89:10</p> <p><b>sets</b> [1] - 92:14</p> <p><b>settled</b> [1] - 58:16</p> <p><b>several</b> [5] - 79:2, 101:3, 101:5, 108:11</p> <p><b>shapefiles</b> [2] - 23:10, 63:24</p> <p><b>share</b> [2] - 84:16, 112:8</p> <p><b>shared</b> [1] - 112:5</p> <p><b>sheet</b> [3] - 7:22, 7:24, 10:25</p> <p><b>shelth</b> [1] - 78:17</p> <p><b>shelterbelts</b> [1] - 59:25</p> <p><b>shift</b> [6] - 77:22, 83:5, 93:6, 101:4</p> <p><b>shifts</b> [2] - 93:3, 93:14</p> <p><b>shoot</b> [1] - 93:13</p> <p><b>shop</b> [1] - 59:1</p> <p><b>short</b> [4] - 56:2, 59:14, 59:18, 74:1</p> <p><b>shorthand</b> [2] - 131:6, 131:11</p> <p><b>shortly</b> [1] - 26:4</p> <p><b>show</b> [6] - 10:14, 13:5, 13:7, 81:6, 83:20, 100:5</p> <p><b>showing</b> [1] - 90:5</p> <p><b>shown</b> [2] - 18:20, 44:19</p> <p><b>SHPO</b> [8] - 56:21, 56:23, 57:1, 69:6, 69:16, 69:24, 70:6</p> <p><b>shrub</b> [2] - 62:19, 65:25</p> <p><b>shrubs</b> [2] - 65:15, 65:19</p> <p><b>shut</b> [2] - 125:17</p> <p><b>side</b> [6] - 44:4, 44:8, 88:19, 89:11, 102:12, 103:17</p> <p><b>sides</b> [1] - 103:21</p> <p><b>sign</b> [3] - 7:23, 69:10, 87:16</p> <p><b>sign-off</b> [1] - 69:10</p> <p><b>signals</b> [2] - 15:4, 124:16</p> <p><b>signed</b> [3] - 10:24, 10:25, 69:6</p> <p><b>significant</b> [8] - 20:5, 48:20, 56:25, 69:7, 77:9, 86:7, 88:14, 99:1</p> <p><b>signs</b> [1] - 86:17</p>	<p><b>silenced</b> [1] - 7:19</p> <p><b>similar</b> [5] - 14:17, 41:17, 41:19, 49:2, 80:12</p> <p><b>simple</b> [1] - 70:3</p> <p><b>sit</b> [1] - 86:2</p> <p><b>site</b> [26] - 18:22, 19:12, 20:13, 20:23, 24:8, 32:11, 34:11, 43:7, 53:1, 57:6, 57:9, 57:11, 57:13, 69:9, 69:12, 70:4, 91:15, 91:25, 93:11, 98:19, 100:5, 108:12, 108:13, 108:17, 117:18</p> <p><b>sited</b> [1] - 43:1</p> <p><b>sites</b> [16] - 18:23, 19:3, 19:15, 19:21, 20:8, 27:7, 33:20, 34:2, 34:13, 34:14, 36:25, 43:1, 44:5, 44:14, 56:25, 123:23</p> <p><b>siting</b> [6] - 12:1, 14:18, 33:17, 44:25, 50:23, 68:6</p> <p><b>Siting</b> [1] - 1:6</p> <p><b>sitting</b> [1] - 106:6</p> <p><b>situation</b> [1] - 61:6</p> <p><b>six</b> [3] - 18:22, 44:14, 95:3</p> <p><b>sixth</b> [2] - 55:9, 73:8</p> <p><b>size</b> [4] - 56:9, 56:13, 102:22, 116:12</p> <p><b>sized</b> [1] - 46:4</p> <p><b>slam</b> [1] - 39:10</p> <p><b>slow</b> [3] - 88:7, 88:8</p> <p><b>small</b> [7] - 23:23, 42:16, 65:6, 65:7, 98:20, 98:22</p> <p><b>smaller</b> [3] - 88:11, 88:20</p> <p><b>smart</b> [4] - 25:6, 77:3, 99:8, 125:3</p> <p><b>Smith</b> [2] - 131:3, 131:17</p> <p><b>snow</b> [2] - 97:1, 97:4</p> <p><b>soil</b> [2] - 30:1, 30:8</p> <p><b>solar</b> [1] - 121:7</p> <p><b>sold</b> [2] - 20:17, 20:23</p> <p><b>solidify</b> [1] - 44:22</p> <p><b>Solie</b> [13] - 9:13, 29:1, 31:7, 53:20, 53:21, 54:20, 55:19, 63:2, 63:9, 67:14, 67:23, 74:1, 126:13</p> <p><b>SOLIE</b> [7] - 4:7, 53:22, 53:25, 54:5, 54:8, 54:13, 126:21</p> <p><b>solution</b> [1] - 15:9</p> <p><b>someone</b> [2] - 45:4, 83:2</p> <p><b>someplace</b> [2] - 91:21, 99:15</p> <p><b>soon</b> [1] - 30:10</p> <p><b>sorry</b> [4] - 92:15, 95:25, 106:5, 126:8</p> <p><b>sort</b> [3] - 37:19, 84:8, 116:20</p> <p><b>sounds</b> [1] - 112:13</p> <p><b>source</b> [1] - 99:16</p> <p><b>sources</b> [1] - 121:5</p> <p><b>space</b> [1] - 91:18</p> <p><b>spacing</b> [1] - 34:12</p>	<p><b>span</b> [2] - 48:15, 48:17</p> <p><b>spark</b> [2] - 120:9</p> <p><b>speaking</b> [2] - 122:3, 122:10</p> <p><b>special</b> [3] - 90:23, 94:9, 94:10</p> <p><b>Special</b> [1] - 10:2</p> <p><b>species</b> [3] - 60:4, 60:7</p> <p><b>specific</b> [8] - 65:9, 79:5, 79:7, 84:9, 100:10, 100:19, 100:23, 109:5</p> <p><b>specifically</b> [2] - 64:21, 119:23</p> <p><b>specifications</b> [2] - 24:9, 49:5</p> <p><b>specifics</b> [1] - 37:10</p> <p><b>specified</b> [1] - 8:9</p> <p><b>speed</b> [1] - 103:8</p> <p><b>spell</b> [4] - 16:24, 53:23, 74:15, 105:1</p> <p><b>spelled</b> [1] - 115:7</p> <p><b>Sports</b> [1] - 12:23</p> <p><b>spray</b> [1] - 81:6</p> <p><b>spraying</b> [1] - 96:23</p> <p><b>spread</b> [1] - 72:9</p> <p><b>spring</b> [3] - 22:1, 29:12, 128:8</p> <p><b>squad</b> [2] - 15:13, 92:12</p> <p><b>stack</b> [1] - 48:4</p> <p><b>Staff</b> [1] - 2:7</p> <p><b>staff</b> [9] - 9:24, 36:16, 78:3, 79:2, 80:8, 81:4, 83:4, 92:24, 93:2</p> <p><b>standard</b> [13] - 21:7, 22:21, 39:23, 45:13, 45:19, 45:21, 45:25, 46:4, 46:5, 46:10, 58:21, 72:12, 82:20</p> <p><b>standards</b> [2] - 24:1, 29:17</p> <p><b>standing</b> [1] - 121:8</p> <p><b>standpoint</b> [2] - 12:9, 47:25</p> <p><b>start</b> [6] - 18:18, 21:21, 32:12, 52:9, 90:1, 104:22</p> <p><b>started</b> [3] - 7:5, 69:21, 74:7</p> <p><b>starting</b> [4] - 19:5, 21:18, 52:11, 124:5</p> <p><b>starts</b> [3] - 18:21, 76:9, 125:7</p> <p><b>startup</b> [2] - 75:25, 76:2</p> <p><b>State</b> [1] - 13:17</p> <p><b>STATE</b> [1] - 1:2</p> <p><b>state</b> [21] - 9:22, 15:16, 17:3, 27:10, 37:12, 38:3, 54:3, 60:10, 74:21, 81:3, 105:1, 111:2, 118:17, 119:14, 120:10, 120:20, 121:1, 121:14, 122:5, 123:1, 123:10</p> <p><b>state's</b> [1] - 12:3</p> <p><b>statement</b> [1] - 16:2</p> <p><b>STATEMENT</b> [4] - 106:18, 110:10, 115:22, 119:8</p> <p><b>Statement</b> [4] - 5:5, 5:10,</p>	<p>5:15, 5:18</p> <p><b>statements</b> [1] - 105:6</p> <p><b>states</b> [1] - 123:2</p> <p><b>Station</b> [1] - 52:3</p> <p><b>status</b> [5] - 27:14, 31:3, 56:21, 61:24, 62:19</p> <p><b>statute</b> [1] - 50:23</p> <p><b>stay</b> [8] - 45:13, 87:24, 87:25, 101:17, 101:20, 102:15, 113:24, 117:21</p> <p><b>staying</b> [1] - 117:7</p> <p><b>steel</b> [3] - 94:7, 94:8, 94:11</p> <p><b>step</b> [2] - 15:16, 121:9</p> <p><b>Stephanie</b> [2] - 131:3, 131:17</p> <p><b>stepping</b> [1] - 68:19</p> <p><b>Steven</b> [1] - 120:6</p> <p><b>still</b> [11] - 34:17, 40:17, 50:15, 66:16, 67:25, 70:9, 96:24, 103:16, 108:17, 108:25</p> <p><b>stop</b> [1] - 29:11</p> <p><b>storage</b> [13] - 33:18, 35:17, 36:23, 39:1, 39:4, 39:9, 39:22, 44:3, 61:15, 61:22, 112:5, 120:16, 128:7</p> <p><b>store</b> [1] - 21:5</p> <p><b>stormwater</b> [2] - 60:25, 70:9</p> <p><b>strictly</b> [1] - 39:6</p> <p><b>studied</b> [1] - 61:16</p> <p><b>studies</b> [3] - 60:2, 64:4, 103:13</p> <p><b>study</b> [1] - 59:11</p> <p><b>stuff</b> [3] - 71:4, 94:13, 94:20</p> <p><b>subject</b> [2] - 111:7, 112:16</p> <p><b>submit</b> [1] - 105:13</p> <p><b>submitted</b> [4] - 20:1, 20:4, 20:6, 59:22</p> <p><b>submitting</b> [3] - 27:21, 127:20, 129:18</p> <p><b>sudden</b> [1] - 99:14</p> <p><b>suggestion</b> [1] - 66:24</p> <p><b>suited</b> [1] - 26:21</p> <p><b>summer</b> [2] - 22:2, 87:17</p> <p><b>Summit</b> [1] - 120:24</p> <p><b>superintendent</b> [6] - 9:18, 75:14, 75:20, 75:23, 77:22, 80:23</p> <p><b>supervised</b> [1] - 76:2</p> <p><b>supervisor</b> [3] - 9:10, 17:20, 93:6</p> <p><b>support</b> [3] - 15:7, 120:2, 121:16</p> <p><b>supports</b> [1] - 106:22</p> <p><b>suppose</b> [1] - 70:12</p> <p><b>supposedly</b> [1] - 38:5</p> <p><b>surface</b> [5] - 57:14, 58:25, 111:6, 116:17, 117:20</p> <p><b>surprised</b> [1] - 110:15</p>
---	---	--	--

<p><b>surveillance</b> [1] - 125:5  <b>survey</b> [3] - 64:8, 69:25, 72:23  <b>Survey</b> [2] - 59:8, 64:6  <b>surveyed</b> [1] - 69:19  <b>swear</b> [1] - 106:3  <b>sworn</b> [14] - 17:8, 17:13, 54:9, 54:14, 75:2, 75:7, 106:13, 106:16, 110:4, 110:8, 115:17, 115:20, 119:3, 119:6  <b>SWPPP</b> [2] - 61:3  <b>symptoms</b> [1] - 99:19  <b>Synfuels</b> [3] - 18:17, 20:17, 26:13  <b>synthesizing</b> [1] - 47:14  <b>system</b> [13] - 8:23, 27:5, 46:2, 77:19, 78:9, 79:24, 80:13, 80:14, 81:21, 82:16, 88:25, 89:3, 91:12  <b>systems</b> [1] - 125:6</p>	<p><b>test</b> [12] - 18:2, 27:19, 34:19, 35:15, 35:20, 35:21, 35:23, 36:1, 39:1, 44:22, 76:24, 117:19  <b>testament</b> [1] - 99:3  <b>tested</b> [1] - 89:1  <b>testified</b> [17] - 17:13, 25:16, 25:22, 26:6, 29:7, 29:9, 54:14, 55:10, 64:3, 64:17, 75:7, 83:15, 106:16, 110:8, 115:20, 119:6, 126:13  <b>testify</b> [14] - 10:15, 11:1, 13:6, 13:8, 17:1, 28:1, 28:7, 31:6, 31:14, 104:23, 104:24, 107:18, 115:10, 118:15  <b>testifying</b> [3] - 9:9, 26:19, 105:17  <b>testimony</b> [23] - 10:11, 14:6, 29:10, 31:12, 31:23, 43:24, 58:2, 64:16, 64:17, 65:12, 67:18, 80:21, 104:20, 104:22, 105:5, 105:18, 105:20, 105:22, 107:2, 114:22, 115:3, 126:5, 126:6  <b>testing</b> [4] - 22:12, 25:2, 61:9, 61:10  <b>Thayer</b> [1] - 2:13  <b>THE</b> [21] - 2:15, 43:19, 46:24, 51:6, 53:16, 97:17, 109:8, 109:15, 109:18, 111:15, 112:24, 114:5, 114:25, 117:16, 118:13, 122:25, 124:3, 124:12, 124:18, 125:16, 126:2  <b>theme</b> [1] - 59:14  <b>themselves</b> [6] - 20:8, 27:7, 36:20, 36:25, 91:11, 100:7  <b>thereafter</b> [1] - 26:5  <b>they've</b> [1] - 92:17  <b>thickness</b> [3] - 30:2, 94:14, 95:9  <b>thicknesses</b> [1] - 94:12  <b>thin</b> [1] - 95:18  <b>thin-walled</b> [1] - 95:18  <b>thinking</b> [1] - 113:3  <b>third</b> [2] - 79:17, 79:22  <b>third-party</b> [1] - 79:22  <b>thistle</b> [1] - 71:9  <b>thorough</b> [1] - 67:18  <b>thou</b> [1] - 21:7  <b>thoughtful</b> [1] - 122:20  <b>thoughts</b> [1] - 14:17  <b>thousand</b> [1] - 127:13  <b>thousands</b> [1] - 119:24  <b>threatened</b> [1] - 60:3  <b>three</b> [13] - 9:9, 18:2, 55:1, 57:20, 62:9, 63:18, 63:21, 70:25, 76:22, 93:25,</p>	<p>103:19, 127:1  <b>throughout</b> [3] - 30:4, 106:7, 120:19  <b>throw</b> [1] - 121:16  <b>tied</b> [1] - 39:12  <b>tight</b> [1] - 11:15  <b>timeline</b> [2] - 29:8, 56:2  <b>timely</b> [2] - 8:25, 129:4  <b>Tioga</b> [3] - 84:3, 89:2, 100:21  <b>title</b> [1] - 67:3  <b>today</b> [14] - 11:22, 14:25, 28:7, 64:17, 80:19, 106:1, 106:20, 106:22, 109:24, 110:18, 110:23, 112:2, 114:22, 120:1  <b>together</b> [2] - 39:12, 79:9  <b>tons</b> [5] - 21:8, 39:24, 40:1, 45:11, 45:12  <b>took</b> [2] - 57:12, 75:21  <b>tool</b> [2] - 65:9, 77:3  <b>top</b> [4] - 18:17, 35:2, 65:4, 85:14  <b>topography</b> [1] - 34:15  <b>topsoil</b> [5] - 29:23, 29:24, 29:25, 30:2, 81:3  <b>total</b> [7] - 40:21, 45:14, 45:17, 92:5, 92:9, 93:2, 103:5  <b>touch</b> [1] - 117:7  <b>touching</b> [2] - 57:8  <b>tough</b> [1] - 73:7  <b>tour</b> [1] - 73:12  <b>toured</b> [1] - 125:11  <b>towards</b> [4] - 12:7, 21:15, 32:21, 95:22  <b>towns</b> [1] - 79:3  <b>townships</b> [2] - 28:21, 28:24  <b>track</b> [3] - 48:5, 91:8, 117:14  <b>traditional</b> [1] - 121:5  <b>traffic</b> [1] - 97:1  <b>trailer</b> [1] - 78:2  <b>train</b> [1] - 83:5  <b>trained</b> [3] - 78:6, 78:8, 93:10  <b>training</b> [16] - 79:5, 79:12, 83:15, 83:16, 84:5, 84:9, 84:11, 84:12, 99:24, 100:13, 100:16, 100:24, 125:9, 125:11, 125:18, 125:19  <b>transcript</b> [1] - 131:11  <b>TRANSCRIPT</b> [1] - 1:11  <b>transition</b> [2] - 122:14, 122:20  <b>transmission</b> [2] - 49:25, 55:7  <b>transport</b> [3] - 21:6, 22:21, 78:5  <b>Transportation</b> [1] - 22:8  <b>transportation</b> [1] - 22:9  <b>transporting</b> [1] - 48:23</p>	<p><b>treat</b> [1] - 116:6  <b>tree</b> [2] - 62:19, 65:25  <b>trees</b> [4] - 62:24, 65:13, 65:16, 65:17  <b>trench</b> [3] - 24:18, 24:19, 24:21  <b>Trhlik</b> [3] - 118:19, 118:21, 119:10  <b>TRHLIK</b> [8] - 5:17, 118:16, 118:19, 118:24, 119:2, 119:5, 119:9, 119:10  <b>Trhlik.....</b> [1] - 5:18  <b>tried</b> [1] - 37:20  <b>trouble</b> [1] - 41:20  <b>truly</b> [1] - 120:8  <b>try</b> [5] - 13:10, 47:5, 86:15, 95:15  <b>trying</b> [2] - 13:12, 113:5  <b>tuning</b> [1] - 56:17  <b>turbines</b> [1] - 55:8  <b>turn</b> [5] - 15:21, 64:23, 85:7, 85:17, 85:21  <b>turned</b> [3] - 7:19, 88:2, 88:3  <b>turns</b> [1] - 89:14  <b>twice</b> [1] - 76:18  <b>two</b> [25] - 23:15, 25:17, 49:15, 57:21, 62:10, 76:3, 76:14, 81:1, 82:21, 86:9, 86:13, 91:14, 92:7, 92:8, 92:14, 92:15, 92:17, 92:22, 97:24, 97:25, 100:20, 101:23  <b>two-week</b> [2] - 76:14, 86:9  <b>Tyler</b> [3] - 9:10, 16:20, 17:19  <b>TYLER</b> [2] - 3:18, 17:12  <b>type</b> [3] - 28:21, 91:11, 97:13  <b>types</b> [3] - 7:20, 26:10, 30:9  <b>typewritten</b> [1] - 131:10  <b>typical</b> [1] - 61:9  <b>typically</b> [2] - 29:17, 61:3</p>
<b>T</b>			
<p><b>T-r-h-l-i-k</b> [1] - 118:20  <b>tab</b> [3] - 57:2, 64:23, 66:2  <b>table</b> [2] - 50:21, 105:10  <b>tabs</b> [1] - 58:7  <b>tail</b> [1] - 124:21  <b>takeoff</b> [1] - 59:15  <b>tall</b> [2] - 71:4, 71:7  <b>tank</b> [1] - 95:5  <b>target</b> [1] - 22:3  <b>targeting</b> [1] - 50:11  <b>tax</b> [2] - 20:11, 20:14  <b>teach</b> [1] - 38:8  <b>team</b> [1] - 117:13  <b>technicality</b> [2] - 51:19, 51:20  <b>technically</b> [1] - 111:4  <b>technician</b> [2] - 78:8, 86:20  <b>technicians</b> [1] - 92:10  <b>Technologies</b> [1] - 60:6  <b>technology</b> [1] - 122:15  <b>techs</b> [1] - 92:17  <b>temperature</b> [5] - 22:14, 22:19, 85:10, 87:19, 103:8  <b>temporarily</b> [1] - 42:3  <b>temporary</b> [1] - 72:24  <b>ten</b> [3] - 71:1, 71:8, 113:8  <b>ten-foot</b> [1] - 71:1  <b>term</b> [3] - 15:7, 39:20, 114:18  <b>terms</b> [8] - 30:7, 30:8, 47:8, 47:18, 84:8, 103:4, 112:7  <b>terrain</b> [1] - 50:9  <b>terrible</b> [1] - 122:16  <b>terribly</b> [1] - 99:1  <b>terrific</b> [1] - 114:23  <b>territory</b> [1] - 29:5</p>	<p><b>test</b> [12] - 18:2, 27:19, 34:19, 35:15, 35:20, 35:21, 35:23, 36:1, 39:1, 44:22, 76:24, 117:19  <b>testament</b> [1] - 99:3  <b>tested</b> [1] - 89:1  <b>testified</b> [17] - 17:13, 25:16, 25:22, 26:6, 29:7, 29:9, 54:14, 55:10, 64:3, 64:17, 75:7, 83:15, 106:16, 110:8, 115:20, 119:6, 126:13  <b>testify</b> [14] - 10:15, 11:1, 13:6, 13:8, 17:1, 28:1, 28:7, 31:6, 31:14, 104:23, 104:24, 107:18, 115:10, 118:15  <b>testifying</b> [3] - 9:9, 26:19, 105:17  <b>testimony</b> [23] - 10:11, 14:6, 29:10, 31:12, 31:23, 43:24, 58:2, 64:16, 64:17, 65:12, 67:18, 80:21, 104:20, 104:22, 105:5, 105:18, 105:20, 105:22, 107:2, 114:22, 115:3, 126:5, 126:6  <b>testing</b> [4] - 22:12, 25:2, 61:9, 61:10  <b>Thayer</b> [1] - 2:13  <b>THE</b> [21] - 2:15, 43:19, 46:24, 51:6, 53:16, 97:17, 109:8, 109:15, 109:18, 111:15, 112:24, 114:5, 114:25, 117:16, 118:13, 122:25, 124:3, 124:12, 124:18, 125:16, 126:2  <b>theme</b> [1] - 59:14  <b>themselves</b> [6] - 20:8, 27:7, 36:20, 36:25, 91:11, 100:7  <b>thereafter</b> [1] - 26:5  <b>they've</b> [1] - 92:17  <b>thickness</b> [3] - 30:2, 94:14, 95:9  <b>thicknesses</b> [1] - 94:12  <b>thin</b> [1] - 95:18  <b>thin-walled</b> [1] - 95:18  <b>thinking</b> [1] - 113:3  <b>third</b> [2] - 79:17, 79:22  <b>third-party</b> [1] - 79:22  <b>thistle</b> [1] - 71:9  <b>thorough</b> [1] - 67:18  <b>thou</b> [1] - 21:7  <b>thoughtful</b> [1] - 122:20  <b>thoughts</b> [1] - 14:17  <b>thousand</b> [1] - 127:13  <b>thousands</b> [1] - 119:24  <b>threatened</b> [1] - 60:3  <b>three</b> [13] - 9:9, 18:2, 55:1, 57:20, 62:9, 63:18, 63:21, 70:25, 76:22, 93:25,</p>	<p>103:19, 127:1  <b>throughout</b> [3] - 30:4, 106:7, 120:19  <b>throw</b> [1] - 121:16  <b>tied</b> [1] - 39:12  <b>tight</b> [1] - 11:15  <b>timeline</b> [2] - 29:8, 56:2  <b>timely</b> [2] - 8:25, 129:4  <b>Tioga</b> [3] - 84:3, 89:2, 100:21  <b>title</b> [1] - 67:3  <b>today</b> [14] - 11:22, 14:25, 28:7, 64:17, 80:19, 106:1, 106:20, 106:22, 109:24, 110:18, 110:23, 112:2, 114:22, 120:1  <b>together</b> [2] - 39:12, 79:9  <b>tons</b> [5] - 21:8, 39:24, 40:1, 45:11, 45:12  <b>took</b> [2] - 57:12, 75:21  <b>tool</b> [2] - 65:9, 77:3  <b>top</b> [4] - 18:17, 35:2, 65:4, 85:14  <b>topography</b> [1] - 34:15  <b>topsoil</b> [5] - 29:23, 29:24, 29:25, 30:2, 81:3  <b>total</b> [7] - 40:21, 45:14, 45:17, 92:5, 92:9, 93:2, 103:5  <b>touch</b> [1] - 117:7  <b>touching</b> [2] - 57:8  <b>tough</b> [1] - 73:7  <b>tour</b> [1] - 73:12  <b>toured</b> [1] - 125:11  <b>towards</b> [4] - 12:7, 21:15, 32:21, 95:22  <b>towns</b> [1] - 79:3  <b>townships</b> [2] - 28:21, 28:24  <b>track</b> [3] - 48:5, 91:8, 117:14  <b>traditional</b> [1] - 121:5  <b>traffic</b> [1] - 97:1  <b>trailer</b> [1] - 78:2  <b>train</b> [1] - 83:5  <b>trained</b> [3] - 78:6, 78:8, 93:10  <b>training</b> [16] - 79:5, 79:12, 83:15, 83:16, 84:5, 84:9, 84:11, 84:12, 99:24, 100:13, 100:16, 100:24, 125:9, 125:11, 125:18, 125:19  <b>transcript</b> [1] - 131:11  <b>TRANSCRIPT</b> [1] - 1:11  <b>transition</b> [2] - 122:14, 122:20  <b>transmission</b> [2] - 49:25, 55:7  <b>transport</b> [3] - 21:6, 22:21, 78:5  <b>Transportation</b> [1] - 22:8  <b>transportation</b> [1] - 22:9  <b>transporting</b> [1] - 48:23</p>	<p><b>treat</b> [1] - 116:6  <b>tree</b> [2] - 62:19, 65:25  <b>trees</b> [4] - 62:24, 65:13, 65:16, 65:17  <b>trench</b> [3] - 24:18, 24:19, 24:21  <b>Trhlik</b> [3] - 118:19, 118:21, 119:10  <b>TRHLIK</b> [8] - 5:17, 118:16, 118:19, 118:24, 119:2, 119:5, 119:9, 119:10  <b>Trhlik.....</b> [1] - 5:18  <b>tried</b> [1] - 37:20  <b>trouble</b> [1] - 41:20  <b>truly</b> [1] - 120:8  <b>try</b> [5] - 13:10, 47:5, 86:15, 95:15  <b>trying</b> [2] - 13:12, 113:5  <b>tuning</b> [1] - 56:17  <b>turbines</b> [1] - 55:8  <b>turn</b> [5] - 15:21, 64:23, 85:7, 85:17, 85:21  <b>turned</b> [3] - 7:19, 88:2, 88:3  <b>turns</b> [1] - 89:14  <b>twice</b> [1] - 76:18  <b>two</b> [25] - 23:15, 25:17, 49:15, 57:21, 62:10, 76:3, 76:14, 81:1, 82:21, 86:9, 86:13, 91:14, 92:7, 92:8, 92:14, 92:15, 92:17, 92:22, 97:24, 97:25, 100:20, 101:23  <b>two-week</b> [2] - 76:14, 86:9  <b>Tyler</b> [3] - 9:10, 16:20, 17:19  <b>TYLER</b> [2] - 3:18, 17:12  <b>type</b> [3] - 28:21, 91:11, 97:13  <b>types</b> [3] - 7:20, 26:10, 30:9  <b>typewritten</b> [1] - 131:10  <b>typical</b> [1] - 61:9  <b>typically</b> [2] - 29:17, 61:3</p>
<b>U</b>			
<p><b>U.S</b> [3] - 66:19, 120:19, 121:4  <b>ultimate</b> [1] - 11:25  <b>ultimately</b> [1] - 21:5  <b>under</b> [3] - 40:15, 47:11, 50:16  <b>underground</b> [3] - 18:19, 77:1, 98:17  <b>understood</b> [2] - 29:10, 45:5  <b>union</b> [3] - 121:3, 121:6, 122:22  <b>Union</b> [1] - 119:13  <b>unions</b> [1] - 121:13  <b>unique</b> [4] - 14:7, 47:25, 48:3, 122:18  <b>unit</b> [1] - 39:24  <b>University</b> [1] - 55:2</p>			

<p><b>unless</b> [2] - 105:9, 113:12  <b>unlike</b> [1] - 45:8  <b>unlikely</b> [1] - 77:8  <b>unstable</b> [1] - 59:4  <b>unusual</b> [1] - 56:4  <b>up</b> [43] - 13:2, 13:13, 14:8, 14:17, 18:21, 22:2, 22:21, 27:18, 33:14, 36:16, 40:2, 41:16, 46:5, 46:9, 68:19, 76:1, 77:23, 81:7, 82:11, 84:2, 85:16, 87:2, 89:2, 89:3, 89:7, 91:3, 94:25, 97:1, 98:7, 100:5, 107:14, 107:18, 108:15, 115:3, 117:11, 117:13, 118:12, 120:7, 120:15, 121:8, 122:24, 127:10, 128:25  <b>update</b> [1] - 91:3  <b>upkeep</b> [1] - 48:19  <b>upper</b> [1] - 35:2  <b>UPS</b> [1] - 27:5  <b>ups</b> [2] - 122:7, 122:24  <b>upstream</b> [1] - 41:10  <b>urge</b> [1] - 13:8  <b>utilities</b> [3] - 10:4, 23:19, 25:20  <b>utility</b> [5] - 26:2, 30:21, 42:17, 49:18, 49:22  <b>utilize</b> [1] - 86:12  <b>utilizing</b> [1] - 50:25</p>	<p><b>volume</b> [2] - 40:11, 45:24  <b>volunteer</b> [1] - 105:21</p>	<p><b>wide</b> [1] - 71:1  <b>width</b> [1] - 56:11  <b>Wildlife</b> [1] - 66:22  <b>wildlife</b> [3] - 56:6, 60:15, 71:6  <b>Williston</b> [1] - 119:17  <b>wind</b> [6] - 55:8, 102:12, 102:24, 103:8, 121:7, 123:4  <b>winter</b> [5] - 21:23, 29:10, 29:13, 29:18, 29:21  <b>wish</b> [4] - 104:23, 105:13, 115:2, 118:15  <b>wishes</b> [1] - 126:4  <b>witness</b> [15] - 9:13, 9:16, 9:17, 16:18, 17:8, 26:25, 28:6, 53:18, 54:9, 74:10, 97:23, 105:9, 110:4, 115:17, 119:3  <b>WITNESS</b> [20] - 43:19, 46:24, 51:6, 53:16, 97:17, 109:8, 109:15, 109:18, 111:15, 112:24, 114:5, 114:25, 117:16, 118:13, 122:25, 124:3, 124:12, 124:18, 125:16, 126:2  <b>Witness</b> [2] - 75:2, 106:13  <b>WITNESSES</b> [2] - 3:17, 5:2  <b>witnesses</b> [6] - 9:4, 9:9, 10:9, 10:14, 29:2, 104:25  <b>wonderful</b> [1] - 11:13  <b>wondering</b> [3] - 26:8, 28:1, 30:24  <b>workers</b> [2] - 122:4, 124:10  <b>workout</b> [2] - 11:18, 12:21  <b>works</b> [6] - 38:8, 68:8, 100:18, 112:5, 123:7, 123:8  <b>worst</b> [3] - 103:3, 103:4, 103:9  <b>wow</b> [1] - 85:18  <b>written</b> [6] - 14:25, 72:15, 72:22, 77:17, 102:19, 105:14  <b>wrote</b> [1] - 105:13  <b>Wyoming</b> [1] - 55:18</p>	<p>46:21, 49:9, 55:14, 70:25, 71:9, 75:18, 75:19, 75:21, 76:22, 77:3, 89:2, 95:1, 96:10, 97:4, 97:25, 98:4, 99:10, 100:20, 103:15</p>
<b>V</b>	<b>W</b>	<b>Z</b>	<b>Z</b>
<p><b>Valley</b> [2] - 51:23, 52:3  <b>valuable</b> [1] - 15:7  <b>value</b> [1] - 22:18  <b>valve</b> [4] - 19:8, 19:17, 89:3  <b>valves</b> [11] - 19:9, 19:22, 26:7, 26:11, 27:4, 27:6, 76:19, 80:18, 82:23, 83:3, 98:20  <b>vapor</b> [3] - 85:15, 88:2, 88:4  <b>variations</b> [1] - 59:13  <b>vary</b> [1] - 82:19  <b>vegetative</b> [2] - 70:24, 96:18  <b>verify</b> [1] - 24:14  <b>veterans</b> [1] - 73:5  <b>viability</b> [1] - 21:13  <b>viable</b> [1] - 15:9  <b>vicinity</b> [2] - 36:3, 77:7  <b>Vickie</b> [3] - 109:21, 113:3, 114:9  <b>VICKIE</b> [2] - 5:9, 110:7  <b>Victor</b> [1] - 10:3  <b>video</b> [1] - 87:4  <b>view</b> [1] - 110:15  <b>viewing</b> [1] - 23:11  <b>virus</b> [1] - 125:17  <b>visitors</b> [1] - 78:25</p>	<p><b>waiting</b> [2] - 62:25, 65:21  <b>waiver</b> [4] - 32:15, 32:18, 51:21, 51:25  <b>waivers</b> [2] - 58:3, 58:6  <b>walk</b> [1] - 23:9  <b>walk-downs</b> [1] - 23:9  <b>wall</b> [2] - 94:14, 95:9  <b>walled</b> [1] - 95:18  <b>Walter</b> [1] - 113:9  <b>wants</b> [2] - 121:13, 127:2  <b>watch</b> [4] - 74:2, 97:12, 101:12, 101:18  <b>watching</b> [2] - 87:2, 92:17  <b>water</b> [7] - 34:4, 49:23, 50:1, 61:9, 86:1, 94:23, 95:5  <b>website</b> [1] - 113:19  <b>Weed</b> [1] - 70:14  <b>weed</b> [1] - 72:8  <b>weeds</b> [4] - 80:22, 81:6, 96:23, 97:13  <b>week</b> [7] - 50:18, 60:20, 70:9, 76:14, 86:9, 116:4, 127:21  <b>weeks</b> [4] - 62:9, 63:18, 81:1, 86:13  <b>welcome</b> [2] - 13:25, 109:5  <b>weld</b> [1] - 24:15  <b>welding</b> [2] - 24:11, 125:8  <b>welds</b> [1] - 24:13  <b>welfare</b> [1] - 8:14  <b>wellhead</b> [2] - 91:18, 94:12  <b>wellness</b> [1] - 11:20  <b>Wellness</b> [1] - 7:16  <b>wells</b> [21] - 19:12, 34:5, 34:6, 34:16, 35:4, 35:10, 35:12, 35:20, 35:21, 35:23, 36:20, 36:24, 39:11, 40:23, 44:25, 59:15, 68:6, 91:10, 91:12, 91:15, 110:25  <b>west</b> [6] - 35:24, 89:14, 102:12, 110:14, 113:7  <b>West</b> [2] - 62:10, 63:1  <b>Western</b> [1] - 60:5  <b>wet</b> [1] - 123:16  <b>wetland</b> [9] - 31:20, 60:16, 61:24, 62:4, 62:23, 63:11, 64:24, 67:4, 126:14  <b>Wetland</b> [1] - 66:24  <b>wetlands</b> [6] - 31:14, 31:15, 31:18, 59:24, 62:3, 62:11  <b>whole</b> [10] - 34:1, 79:12, 80:8, 87:3, 91:2, 91:11, 98:13, 98:25, 101:5, 122:13  <b>wholly</b> [1] - 8:7</p>	<p style="text-align: center;"><b>X</b></p> <p><b>x-ray</b> [2] - 24:12, 24:13</p> <p style="text-align: center;"><b>Y</b></p> <p><b>year</b> [14] - 21:22, 22:4, 71:5, 76:14, 76:18, 79:13, 86:9, 91:2, 100:12, 100:15, 100:19, 124:22, 125:21  <b>years</b> [28] - 17:5, 18:1, 18:2, 36:2, 38:3, 41:16, 46:18,</p>	<p><b>Zachary</b> [1] - 10:3  <b>ZACHARY</b> [1] - 2:12  <b>Zap</b> [2] - 113:8  <b>zero</b> [1] - 21:15  <b>zone</b> [1] - 88:15  <b>zoning</b> [2] - 28:25, 70:18</p>