DEIS MEETINGS - 14-916 15-137 1 THIEF RIVER FALLS - JUNE 20, 2017 - 10:00 a.m. 2 3 4 MINNESOTA DEPARTMENT OF COMMERCE 5 6 In the Matter of the Application of Enbridge Energy, Limited Partnership for a Certificate of Need for the 7 Line 3 Pipeline Replacement Project in Minnesota from the North Dakota Border to the Wisconsin Border. 8 9 PUC DOCKET NO: CN-14-916 10 OAH DOCKET NO: 65-2500-32764 11 12 13 In the Matter of the Application of Enbridge Energy, Limited Partnership for a Route Permit for the Line 3 Pipeline Replacement Project in Minnesota from the North 14 Dakota Border to the Wisconsin Border. 15 PUC DOCKET NO: PPL-15-137 16 OAH DOCKET NO: 65-2500-33377 17 18 19 20 Ralph Engelstad Arena Imperial Room 21 525 Brooks Avenue Thief River Falls, Minnesota 22 23 24 25

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1 FACILITATOR: Good morning, everybody, and welcome. Thanks for coming out. 2 We're going to start the public comment period 3 in about a minute or two. 4 5 So if you want to begin to gather at the tables, grab some coffee or 6 7 food, there's plenty, and we'll start with a 8 brief presentation and the public comment 9 period in about a minute or so. My name is Patrick Mansfield, 10 and I'm part of the consulting team working on 11 behalf of the state of Minnesota. 12 Just a few guick things that you 13 Bathrooms are right in the back, 14 may know. 15 very handy. Exits are either left or right outside of the door, and then they are 16 actually on the other end of the building, and 17 18 stairs in the middle as an exit as well. 19 So I want to introduce Jamie She is the project manager for 20 MacAlister. the Environmental Impact Statement for the 21 Line 3 project, and she works for the 22 23 Department of Commerce for the State of 24 Minnesota. She's going to share a brief 25 presentation before we do the public comment.

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1 MS. JAMIE MACALISTER: Good morning, everyone, welcome. 2 As Pat mentioned, I'm Jamie 3 MacAlister with the Minnesota Department of 4 5 Commerce, and we are here hosting this meeting with some of our other state staff 6 7 counterparts. We have staff here from the 8 Minnesota Pollution Control Agency and the 9 Minnesota Department of Natural Resources as 10 11 well, and the Public Utilities Commission. 12 I hope you had an opportunity to 13 walk around the posters, get some additional information, talk with the staff that we have 14 15 on hand. As you probably know, the 16 Minnesota Public Utilities Commission will be 17 18 the agency making a decision on these permits. 19 They have to make two decisions, the first being a decision on the Certificate of Need for 20 this project. The second being whether or not 21 22 to issue a route permit. 23 As you may know, we've been at 24 this for quite a while. We held scoping 25 meetings here in the project area in the spring 4

of 2016, and published a scoping document in 1 December that used all the comments that we 2 received during the scoping meetings to inform 3 the Draft Environmental Impact Statement. 4 5 So once the comment period closes that we're in right now, on July 10th, we 6 7 will issue a Final EIS in August, and these materials will then get forwarded on to the 8 9 administrative law judge in the Public Utilities Commission as this process moves into 10 11 the contested case hearings. 12 Those hearings are scheduled to begin in the fall of 2017, and they will be 13 presided over by the administrative law judge. 14 15 And any decision on these 16 projects is not expected until 2018. 17 So we are here today to get your 18 comments on the Draft Environmental Impact Specifically we're interested in 19 Statement. whether or not there is information missing 20 from the document that we need to include. 21 22 We are interested in knowing if 23 the EIS is unclear or if there are other areas 24 or improvements that we can make to the 25 document before we publish the Final EIS in

August.

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2	All of the comments from this
3	meeting and all of the previous meetings will
4	be available online on our website. We will
5	compile all of the written comments, and all of
6	the transcripts from these meetings will be
7	available. You'll be able to see your comments
8	and your neighbors' comments as well as the
9	comments from all the other locations from
10	these meetings.
11	So just a quick word about the
12	comments. All the comments are treated
13	equally, whether or not they're received in
14	writing or presented verbally.
15	And just a reminder that the EIS
16	itself is not a decision-making document. The
17	EIS helps the Public Utilities Commission make
18	a decision on this project, which is why it's
19	really important for us to get any missing
20	information or clarify information in the EIS
21	so that the Public Utilities Commission has the
22	best information available to them as they
23	begin considering a decision.
24	I feel like there's something
25	that I'm forgetting to say about your comments;

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notably that it's not a vote. Your comments 1 here are to help inform the Final EIS. 2 So if we get hundreds of comments for or against the 3 project, that's not how those comments are 4 5 treated. Each comment is treated individually so we want you to know that. 6 7 Really, the time to advocate for 8 your position on this project is during the 9 contested case hearings. With that, I'm going to turn it 10 11 over to Pat and he'll give you a little more information before we move into the next phase 12 13 of today's meeting. 14 FACILITATOR: Thank you. 15 So I just want to go through a few rules of the road for the public comment 16 period. First, I want to make sure that 17 18 people who are commenting are heard and 19 listened to, so we ask if people be quiet and listen as they speak, it would be most 20 21 helpful. 22 We have a court reporter who 23 does a terrific job of capturing all the 24 comments and writing every word the person is 25 saying.

A few things about that, when 1 you start, say your name and spell your name 2 3 for the court reporter. The way our mics work is hold 4 5 them like this so you can be heard. If you do this, they don't work as well. So try to hold 6 the mic right there, if you can. 7 We have a pretty small crowd. 8 Τ 9 have four folks who signed up to speak. We're not going to worry too much about time limits. 10 11 Just to be fair across meetings, 12 we have a timer just to let you know how long 13 you're going. Six or seven minutes is probably pretty good for most folks. About that time 14 15 I'll stand up and just give you a little hint that you might want to begin to wrap up if you 16 do go that long. 17 18 We recognize people may have a range of views on the pipeline, the EIS, the 19 issues, and so that's totally expected and 20 But we do want to make sure people are 21 fair. respectful of each other, so we ask that you're 22 23 quiet when people speak. 24 If you do want to be affirmative 25 when people are done, that's great. We ask

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1 that people not be negative about peoples' 2 comments. And we do ask people direct their 3 comments to the pipeline, the project, the 4 5 issues, the organizations, the agencies, the EIS, but not the individuals in the room, 6 7 because we want people to be comfortable in 8 this room. 9 And it can be very uncomfortable if someone kind of points someone out 10 individually after they make their comment. 11 12 State agency folks, do you want There's a number of state 13 to raise your hands? agency folks here, as you know, who are 14 15 staffing the poster boards. Their job here now, as folks come up here, is to listen. 16 So their job is to listen. 17 18 We're going to have great notes that are going to be part of the transcript, 19 going to be part of the record, going to be 20 something the State considers as they move from 21 the Draft to the Final Environmental Impact 22 23 Statement. 24 But for right now, the State 25 folks are going to be listening. If you have

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1 questions, you can state them. There just won't be any responses during the public 2 3 comment period. We do ask that you silence your 4 5 cell phones, if you can, or put them on vibrate, whatever, so we're not disturbed 6 7 during the comments. 8 Also, to let you know, if you 9 didn't when you came in, we do have flash drives and CDs of the Draft EIS. 10 So if you 11 want the Environmental Impact Statement in full, you can actually take one of those flash 12 13 drives or CDs as you leave the room. Those are available for all people we have here. 14 Okav. 15 So the other thing is Leslie -well, she's right in the back, Leslie will 16 bring you the mic so you can be right at your 17 18 table. You can stand or sit as you comment. 19 That's really up to you. 20 And I'll just call the names in 21 the order I pulled the cards out of a hat. So it's Curtis Cobb. Curtis, great, and Leslie 22 23 will bring you the mic right there. And again, 24 just state your name and spell it for the 25 record, and remember to hold the mic like this.

1 MR. CURTIS COBB: I'm Curtis Cobb. My concern -- I have two concerns. 2 One 3 is --FACILITATOR: Curtis, could you 4 5 just spell your last name for the record. MR. CURTIS COBB: Cobb, C-O-B-B, 6 7 like corn on the cob, two Bs. The pipeline is meeting federal 8 9 standards for thickness and strength. As an engineer, I am always concerned with is that 10 11 enough? 12 Most civil engineers, when they design structures in this country, they 13 actually multiply the stress, and they triple 14 15 it to make sure bridges and structures in this 16 country are strong enough. My question is, is this pipeline 17 18 really going to be strong enough to withstand 19 some of the stresses that the earth and the 20 environment and the fluid itself puts on this 21 pipeline? 22 I understand that the pressure 23 in this pipeline is over a thousand pounds a 24 square inch. That's quite a bit. While 25 that's a normal pressure, steel always has its

weaknesses.

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So that's my concern, is, number 2 3 one, is the pipeline strong enough? As far as the environment goes, 4 5 pipelines are the most efficient and safest way to transport most fluids. We have a huge 6 7 number of pipelines in this country and they 8 all do pretty well. That doesn't mean they 9 don't break, but it's pretty good. Issue number one, is the 10 11 pipeline strong enough. My other concern is the -- this 12 13 pipeline aids and abets one of the biggest environmental disasters going on in this 14 earth, and that is the processing of the oil 15 sands in Canada. 16 A Canadian friend of mine did a 17 18 six-month study of what was going on up there. 19 And what happens is as they process these oil sands, there's always a toxic residual. 20 That 21 toxic residual just gets put into ponds. Those ponds now cover 176 square 22 23 kilometers. That's about 100 square miles of 24 poisonous fluid ponds. 25 If a bird lands in the pond,

it's instant death. 1 These ponds are between 30 and 2 They are designed to leak this 3 100 feet deep. poison into the ground, which they are doing 4 5 at about 1 percent per year. It is poisoning square miles, thousands of square miles of 6 7 groundwater in Canada. We do not need this oil. 8 It is 9 all there to take advantage of a relatively, you might say, unusual form of oil residual. 10 11 The -- there's been a huge amount of money spent in doing this. 12 I think there's been over \$11 billion spent on 13 building oil refineries there. It employs 14 15 about 50 or 60 thousand people. So this pipeline really aids and 16 abets that environmental disaster. 17 18 So I have no objection to the 19 pipeline, just what it serves. 20 FACILITATOR: Thank you, sir. 21 Next we have Ashley Nerhus. 22 Again, just name and spelling for the court 23 reporter as we start, and speak directly into 24 the mic. 25 MS. ASHLEY NERHUS: My name is

Ashley Nerhus, that's spelled A-S-H-L-E-Y, and 1 then N-E-R-H-U-S. 2 3 I'm the executive director for the Thief River Falls Chamber of Commerce, and 4 on behalf of the Thief River Falls Chamber of 5 Commerce board of directors, I'm here to 6 7 express our support for the Enbridge Line 3 8 replacement project. 9 The Chamber believes that this 10 project is a necessary step in creating a safer 11 pipeline for our community and for the 12 environment. 13 Line 3 serves as an important link to safely transfer crude oil to the 14 15 refineries. By replacing the line, Enbridge will have less maintenance and would be able to 16 increase the amount of oil being transferred 17 18 through the pipelines rather than by using rail 19 cars or tanker trucks. 20 This will hopefully free up space 21 on our railways and roads to better suit other business transportation needs such as grain and 22 23 other products that cannot be transported by a 24 pipeline. 25 The new line will also provide a

safer and sounder means to transport the oil. 1 The Chamber also believes that 2 this project will have a strong positive impact 3 on not only our local economy but the State's 4 This project will create jobs 5 economy as well. and business opportunities that will be sure to 6 7 boost our economy. In the past, Thief River Falls 8 9 has seen tremendous positive economic impact from the pipeline. We hope to see a similar 10 impact with this project from the purchasing of 11 local products and materials as well as the use 12 of local hotels, restaurants, and services 13 during the project's design and construction 14 15 process. 16 Our local and state economy will also benefit from the long-term property taxes 17 18 that they will receive due to the project. 19 The Chamber supports the approval of this project to help not only Thief River 20 21 Falls but the entire state of Minnesota. 22 Thank you for your time and the 23 opportunity to speak. 24 FACILITATOR: Thank you, Ashley. 25 And, Ashley, your written comments, is it

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possible we can give those to the court 1 reporter just so we have them? That would be 2 It just helps make sure we get the 3 great. record just right. 4 5 Okay, and next we have Allen Richardson. 6 7 MR. ALLEN RICHARDSON: Good 8 morning. My name is Allen Richardson, 9 A-L-L-E-N, R-I-C-H-A-R-D-S-O-N. Thank you for the opportunity to speak with you this 10 11 morning. I'm an organizer by trade, and 12 I've been working for a citizens outfit called 13 Minnesotans for Pipeline Cleanup, and we're 14 15 concerning ourselves primarily with the fate of the old Line 3. 16 And so we start that with a 17 18 question, hypothetical question, which is, if a 19 given landowner who has generously hosted Enbridge's old Line 3 for decades, if they 20 would like to have that old pipeline removed, 21 not just decommissioned -- I mean pulling the 22 23 pipeline out of the ground, and it's safe to do 24 that -- who should be on the hook for that 25 financially? Should it be the property owner

or should it be Enbridge? 1 This is one of the questions I've 2 been asking people, you know, door knocking, 3 the old pipeline. I haven't spoken to anybody 4 5 yet who thinks that the property owner should be on the hook for removing the old pipeline. 6 7 So a couple other considerations. If you look at the environmental review 8 9 documents, there's a statement that the pipelines are in general 10 or 15 feet apart, 10 11 and it is stated that there is the potential, that it's potentially dangerous to remove the 12 13 old Line 3 because of its proximity to hot or active lines. 14 15 Well, we took the liberty of walking the lines on public thoroughfares 16 between Wawina and Grand Rapids and found the 17 18 average distance to be guite a bit more than 19 that. And at least between Lines 3 and 4, it averages 30 feet. 20 21 So in support of our -- I guess, our remarks about the environmental review 22 23 documents, we would like to see more and more 24 science about exactly how far apart they are. 25 And the environmental review

document said this as well: That the cost to Enbridge -- that Enbridge estimates the cost of removing Line 3 at approximately \$1.28 billion. Our question is, how many jobs can you get out of \$1.28 billion? I'd even wonder what the Chamber of Commerce's opinion on that question might be.

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And let's not lose sight of the 8 9 fact that we're establishing a precedent here. We know Enbridge is going to likely want to 10 11 abandon the rest of their old pipelines here before too long, and so essentially, we're 12 encouraging labor members, union members, 13 laborers, 49ers, to publicly sort of throw 14 15 their support to the landowners who are only 16 asking for a landowner-choice option.

They're not demanding the whole 17 18 thing be removed. But any landowner that wants 19 it removed, let's do right by them, Enbridge, you know, take your old pipeline with you. 20 21 If there's a question about the 22 safety, well, then, take your time. Do it 23 right. 24 We absolutely believe that our 25 union members are the ones who are most

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qualified to do that work, so we've got a lot of confidence in your ability to do that work right.

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And finally, the environmental 4 review documents state this -- this is in 5 chapter 8.4.1. It states that, "The removal of 6 7 the existing Line 3 could positively affect the communities -- referring to communities who are 8 9 on the receiving end of environmental justice impacts -- that, "The removing of the existing 10 11 Line 3 could positively affect these communities by removing stress or anxiety 12 13 related to the presence of the abandoned pipeline and ongoing risks related to water 14 15 flow, soil and water contamination, and subsidence." 16 So I guess that sounds like a 17 18 win-win to me. Like if you could get a job 19 digging up an old pipeline to the tune of

20 \$1.28 billion that would do right by these
21 affected communities, why would you not throw
22 your lot in for these landowners who are asking
23 for your support?
24 Thanks for your time.

FACILITATOR: Laura Stengrim.

And again, just name and spelling of your name. 1 MS. LAURA STENGRIM: 2 Hi, my name is Laura Stengrim, L-A-U-R-A, S-T-E-N-G-R-I-M. 3 I have a letter in support of 4 the Enbridge Line 3 replacement project. 5 This is from the Convention and Visitors Bureau 6 7 Board of Directors, which I'm the executive 8 director of. This letter is in support of the 9 Enbridge Line 3 replacement project. The Thief River Falls Convention 10 11 and Visitors Bureau is funded by the 3 percent lodging tax that is paid by our overnight 12 visitors and collected at all seven hotel 13 properties in Thief River Falls as well as our 14 15 city campground. We're supportive of any project 16 such as this that will bring overnight 17 18 visitors to our community and positively 19 affect our economy. This project would have significant economic impact on our lodging 20 21 properties, restaurants, and retail stores. This kind of boost will be felt around the 22 23 entire community. 24 On behalf of the Thief River 25 Falls Convention and Visitors Bureau Board of

Directors, I offer our support of this 1 project. We feel confident that our city has 2 the facilities necessary to accommodate the 3 pipeline workers from our 350 hotel rooms to 4 5 our wide range of dining and retail amenities. This project would have 6 7 substantial economic impact on Thief River 8 Falls as well as the state of Minnesota, so we 9 are very hopeful that it is approved as soon 10 as possible. 11 FACILITATOR: Thank you. Do you mind sharing your written comments for the 12 13 court reporter? So that was the four folks who 14 15 signed up to comment. We have plenty of time. Are there others in the room who want to make 16 a comment? Just raise your hand so I can get 17 18 a sense of the count. We can collect those 19 comments as well. 20 Anybody else? 21 All right, so why don't we start Just name and spelling for the record, 22 here. 23 and then dive in. 24 MR. ANDY PEARSON: Thank you. 25 My name is Andy Pearson, A-N-D-Y,

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P-E-A-R-S-O-N.

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I want to speak to just a couple 2 of points in the DEIS today. But first I want 3 to just recognize a change that the Department 4 5 of Commerce has made to one of these display boards. I happen to know that at some other 6 7 meetings it was brought up that the display board on Certificate of Need actually left out 8 9 a couple of the key criteria for assessing Certificate of Need, one of which is whether 10 11 the cost to society at large is greater if the project is built (indiscernible) if it isn't 12 built. 13 14 And I wanted to give a real positive shout-out that that was added to the

positive shout-out that that was added to the display board, and I saw it yesterday, and thank you, because I know a lot of the reason we're here is for better decision-making, and I think having all the criteria that are necessary up on the board actually leads to better decision-making.

22 So going off of that note I want 23 to talk about one of those in particular --24 actually two, the cost to society and the 25 compliance with existing laws and regulations

1 for just a minute. So in the DEIS document, one of 2 the areas that I was impressed by in many ways 3 was the area that looked at climate change 4 5 impact. In particular, the fact that they did study the life cycle impacts of this pipeline. 6 7 That means the total climate 8 change impact that it would cause by being 9 built through both the oil transported in the pipeline and the pipe itself. 10 And that number, as listed in the DEIS, is that it would have a 11 cost to society of \$287 billion, with a B, to 12 13 society at large by building it over a 30-year time span. 14 15 And I believe that that time span 16 should actually be more consistent with the length of time that these pipes have 17 18 historically operated and are operating now, which is 60 years. I would encourage the DOC 19 to actually double their time estimate for 20 21 pipeline life. 22 It says in fact at another point 23 in the DEIS, it says 30 years is the minimum 24 expected life of the pipeline. I think it's 25 probably not best practice to just study

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minimum probabilities but to study the range, and maybe to have the default be more of the median than the minimum, so I would encourage that to be changed.

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5 I also know that something happened in our state in the time since the 6 7 DEIS was released that the DOC could not have 8 anticipated, so I don't blame them for not 9 anticipating that our governor, Governor Dayton, would commit Minnesota to upholding the 10 11 Paris Climate Agreement and those carbon 12 reduction goals.

Again, no fault to the DOC that that's not included in the document, but it needs to be included in the final version of the document, because the governor saying that and committing the state agencies to it makes it a matter of state policy.

19 So to that second point on the 20 Certificate of Need, we need to be assessing 21 this project and its \$287 billion dollar cost 22 to society. We need to be assessing it for its 23 compliance with relevant state laws and 24 regulations, which includes the governor 25 committing the state to reductions under the

Paris Accord, and which includes other state 1 policy around carbon reduction, including 2 renewable energy standard and carbon reduction 3 goals at the state level in Minnesota and also 4 5 at many cities. So I would encourage that be 6 7 assessed as well specifically in the Environmental Impact Statement document as it's 8 9 a document designed to inform a Certificate of Need decision. 10 11 These carbon analyses need to be in there a little bit more than we're seeing 12 13 right now, although I respect and appreciate the work that's gone into getting us to the 14 15 level of analysis that we have in the document. Just looking to kick it to the 16 next step up so that the Commission is able to 17 18 use it to make a fully informed decision as we're looking at whether to go forward with 19 building this project. 20 21 Thank you. 22 FACILITATOR: And you're up next. 23 Just name and spelling for the record. 24 MS. NICOLETTE SLAGLE: I'm 25 Nicolette Slagle, N-I-C-O-L-E-T-T-E,

1 S-L-A-G-L-E. I'm with Honor the Earth. 2 I am their research director, and I wanted to thank 3 you for bringing up the issues of the oil sand 4 5 or the tar sands up in Alberta, because as our stance with Honor the Earth, we are wholly 6 7 opposed to anymore expansion of the tar sands industry for a number of reasons. 8 And so I 9 really appreciate you also stating some facts about how terrible of an industry it is. 10 11 One of the things that I've been working on, researching a lot in the last two 12 years is this issue of abandonment. And as 13 you may know, that this line is coming from 14 15 Canada, and the Canadian National Energy Board is also facing the abandonment of the existing 16 Line 3 up in Canada. So a lot of the 17 18 information that I have learned about what the potential impacts of abandonment is comes from 19 the research that the NEB has done. 20 21 A few interesting things about that is that I was able to speak yesterday with 22 23 some representatives from the Canadian 24 Association of Energy and Pipeline Landowner 25 Association. So this is a group that was

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started by a Canadian landowner that had a pipeline running through their yard that was concerned about what would happen if that pipeline was abandoned.

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And what I learned is that back in 1985, the National Energy Board actually had on their books seven different regulations related to pipeline abandonment, and their preferred method for dealing with abandonment was complete removal.

Now, some politics changed up there, a lot of those regulations got removed from the books, but the CAEPLA organization is working to get some of those back on there, including landowners' choice of what happens to pipelines that run through their yards.

17 So it is possible to completely 18 remove pipelines and it is an expense that most 19 likely somebody will bear. And we want to make 20 sure that it is the company that is bearing 21 those costs and not society.

Now, as it relates back to this, the issues here in Minnesota, and this document in particular, I'm going to read a couple of things and I will tie them together. This is

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from the CAEPLA's summer 2016 magazine. It's an article about aging pipelines, what are the 2 And it's an article about independent 3 risks. research that is co-sponsored between Enbridge 4 and CAEPLA. "Enbridge has acknowledged that the extensive disbonding of the Line 3

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polyethylene tape pipe coating will render cathodic protection ineffective to prevent corrosion and has estimated time to through wall penetration at 25 to 50 years.

12 "Progressively greater agricultural surface loads increase the 13 potential for pipeline collapse and ground 14 15 subsidence. In addition to health and safety concerns and related costs and liabilities, 16 topsoil loss upon ground subsidence will result 17 18 in permanent long term production losses." 19 So I read that and I was thinking back to myself, okay, I don't really remember 20 that being stated as clearly in the DEIS. 21 Ι have tried to read as much of it as possible, 22 23 and I did manage to read the entire section on

So in here, in section 8.3.1.2,

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abandonment because it was about 14 pages.

"Existing Line 3 as a Water Conduit," so this is one of the issues that if there is through wall corrosion, water can get into the pipeline and it can move through the pipeline into different areas.

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6 So yeah, basically says that this 7 could happen but cathodic protection in 8 cementing the pipeline would minimize the 9 effects on water resources. And it says here 10 that -- yeah, over time -- well, basically it 11 says cathodic protection is going to limit that 12 from happening.

And so I was interested to see -again, they didn't give any numbers, just that the cathodic protection is going to stop that from happening.

But if you then go into appendix 17 18 B, which is the appendix to the abandonment section, so it has more of the technical 19 documents and additional information that were 20 used to -- I'm assuming, used to create the 21 section on abandonment. 22 23 So from that, on page 26 of 24 appendix B, Line 3 is externally coated with

polyethylene tape. A Gas Research Institute

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report published in 1992, provides information 1 that, "The most common problem reported by the 2 pipeline operators who had used tape coating on 3 their pipeline systems were poor field 4 application, failure of adhesive, poor 5 resistance to soil stress and high 6 7 susceptibility to shielding the current of the 8 cathodic protection system." 9 There's some more talk about 10 what's happened over the years. The end of the second paragraph, "Once the wrinkles form, 11 water is able to seep under the disbonded 12 13 coating and is carried along the pipeline's steel surface by capillary action. Permeation 14 15 of the CP current is limited due to high dielectric strength of the polyethylene tape 16 shielding the current." 17 18 Which, long story short, basically they're saying that, well, the 19 cathodic protection is already disbonding from 20 the pipeline. So again, I really want to 21 understand how their cathodic protection is 22 23 going to protect this pipeline when it's not 24 even functioning now. 25 So then they have a lot of

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1 assessments, of corrosion rates, and some charts here, how long it may take. 2 Page 29, and so there's a graph, 3 "Based on this information, the worst case time 4 to failure from the original installation is 5 estimated at 51 years. Based on this, it would 6 7 be assumed that the pipeline is already 8 penetrated or is likely to be within the next 9 five years considering an in-service date of 1968." 10 11 Now, it does say, "This 12 demonstrates the over-conservative nature of 13 the corrosion rates presented in the PTAC Model when compared to the corrosion rates 14 15 experienced on Line 3." So what -- based on the 16 Okay. 17 existing corrosion rates, what time frame are 18 we looking at? "Figure 4.8, yields estimates of time to through wall penetration based on 19 the PTAC Model between 25 to 50 years from 20 21 2011." So finally, after digging through 22 23 all of that, we see that, yes, actually 25 to 24 50 years is how long we could have through wall 25 corrosion because of the limited functioning of

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the cathodic protection system. 1 FACILITATOR: Been about seven 2 3 minutes. MS. NICOLETTE SLAGLE: Okay. 4 So I just would like the abandonment section to 5 be a lot more clear about the fact that these 6 7 issues are not going to happen sometime in the 8 far away future, they're going to happen 9 within people's lifetimes. And I really do think that the State needs to complete an 10 11 entirely separate Environmental Impact Statement on the issue of abandonment, 12 because, as Allen said, this is not the 13 first -- well, it is the first major pipeline, 14 15 but it is not going to be last. 16 Thank you. FACILITATOR: 17 Thank you. 18 Other folks who want to comment 19 this morning? 20 Yes, name and spelling for the 21 record. 22 MS. KYLIE LEMLEY: Hello, it's 23 Kylie Lemley, K-Y-L-I-E, L-E-M-L-E-Y. 24 I just have a couple of points I 25 wanted to talk about today. I would first

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like to mention that Enbridge's track record 1 in terms of safety is atrocious. 2 This is to say nothing against 3 the pipeline work, the unions themselves, the 4 5 people who put them together. I thoroughly appreciate these people. I understand their 6 7 need for a job. I understand that they do 8 their jobs well. 9 I'm talking about the corporation Enbridge themself. 10 In fact, in 11 2010, the Pipeline of Hazardous Materials 12 Safety Administration, or PHMSA, they actually 13 held Enbridge up as an example for what not to do in terms of safety. 14 15 They've been fined so many times 16 that I don't even want to get into it for violations. We have fact sheets on that. 17 18 Another thing I'd like to mention 19 is if we'd like to talk about benefits received for this pipeline, the answer is we don't have 20 In terms of tax benefits, as I've heard 21 any. mentioned today, Enbridge is currently 22 23 appealing for five years of taxes that they've 24 given us for previous pipelines being built. 25 So this means that a huge

percentage of the benefits that we've received 1 in the past from them are going to have to be 2 paid back by, you guessed it, us as taxpayers. 3 So this means that we will foot 4 the bill for tens of millions of dollars, if 5 their appeal is granted, and it means that some 6 7 counties such as Clearwater or Red Lake will 8 likely go bankrupt attempting to pay Enbridge 9 back for the benefits that they've received. I'd also like to mention that we 10 11 are not receiving the oil coming through this pipeline -- this really scary, dirty oil, but 12 13 we'll get to that, and pipelines are not the safest mode of transportation. 14 15 Though they spill less frequently, just based on the amount of oil 16 that they give, they do not spill less 17 18 frequently overall. They also tend to spill 19 much more oil and do much more damage than other modes of transportation such as rail or 20 21 truck. So another thing that should be 22 23 noted is that it's been shown in the past that 24 not building a new pipeline does not mean that 25 the transport by rail or by truck increases.

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This is just not something that happens. 1 In fact, oil sand extraction tends to slow down 2 when you don't build pipelines. 3 This is a good thing. We don't 4 5 want to keep extracting this dirty, scary oil, which is so water intensive, the process -- the 6 7 energy we put into extracting this oil is 8 almost negligible compared to the amount of 9 energy we get out. So another huge secret is that we 10 11 have a lot of oil right now. Our reserves are practically overflowing. Right now there are 12 boats filled with large stores of oil that are 13 just circling around because they have no idea 14 15 where to put the oil. They have nowhere to put it and no one wants to buy it. 16 17 Expansion is not something we 18 need to be doing right now. We have a reserve 19 of oil. And I've heard -- you know, 20 multiple people can agree with me that the 21 fossil fuels are not in our future. 22 Even if we 23 want them to be, they can't be. There's a 24 reason we call them nonrenewable energy. 25 We need to begin our transition

not for our great grandkids or -- I mean, I could be most of your grandchildren. So it's time to transition now. We don't want to be lagging behind.

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Another point I'd like to make is 5 we need to begin thinking in a global way when 6 7 discussing our environment. When Trump 8 announced his plan to withdraw from the Paris 9 Climate Agreement, there was outrage. I mean, nobody was happy about that one. 10 We as 11 Minnesotans actually announced our intention to 12 uphold the Agreement anyway.

So the climate agreement was 13 first enacted to unite countries in the battle 14 15 of the quickly approaching climate change. We all agree this is happening and it's a problem. 16 By signing, we agreed that we 17 18 need to do our part globally in reducing carbon 19 emissions. We all need to work together on 20 this. This is not something one country or one

21 area can do.
22 Expanding the extraction of tar
23 sands oil is the exact opposite of that, so we
24 in the United States agreed to reduce our
25 carbon emissions by about 28 percent of their

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(indiscernible) numbers. 1 Extracting tar sands creates 2 almost double our goal of carbon emissions, and 3 I understand that this happens in Canada so 4 5 it's not right in our backyards and why should we care. Maybe just move the pipeline 6 7 somewhere that's not in our backyards. 8 And to that I would respond, 9 where is a good place for a pipeline? Where is a good place to have your environment 10 11 destroyed? 12 So I also recently read an article written by the president of United 13 Steel Workers who represents a bunch of 14 15 different labor unions, especially one that has to do with the building of pipelines, and the 16 president was saying, "If we don't start 17 18 working harder to maintain our environment, we won't have any jobs anywhere. Our country will 19 be uninhabitable and we need to work together 20 to uphold the Climate Agreement, to uphold our 21 environment, to uphold our homes and where we 22 23 live." 24 I understand that jobs are 25 important. I understand that, but there are

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1 other jobs that are not quite so detrimental to 2 us. 3 I don't want to cease using oil. News flash, I drove here today. My clothes are 4 made of blended fabric that's likely created 5 using oil. I get that. Of course, society at 6 7 large needs oil, and here we agree, but we need to move on from all of this. 8 This transition cannot happen by 9 expanding the extraction of tar sands. 10 Our 11 transition cannot happen with this expanded 12 pipeline. So that's kind of everything I 13 wanted to talk about. Thank you for listening. 14 15 FACILITATOR: Thank you. Anyone else who wants to make a 16 public comment at this time? 17 18 Name and spelling for the 19 record. MS. RENEE MARQUIS: 20 Thank you. This is my second comment, Renee, R-E-N-E-E, 21 22 last name Marquis, M-A-R-Q-U-I-S, and I'm from 23 Goodrich. 24 I'm a consumer of oil and gas 25 products. I love them. I love heat in my

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house, especially when it's 40 below. 1 I love oil. I love gas. I use it. 2 I realize other people use the 3 product, too. Other people need the product, 4 I do not live in the world of "me." 5 too. Τ live in the world of "we." We have a neighbor 6 7 who needs gas. We have a neighbor who needs oil. 8 9 I want to say we are stewards of our land in Highlanding Township. 10 And we have 11 deer, we have trees, we have ponds, we have 12 acreage, and I also have a husband that has 13 worked many years construction. And I want to thank him for doing 14 15 pipeline work. I want to thank him for doing the job that everybody can say is so awful, but 16 he lives in the world of "we" so we want to 17 18 give to everybody. Thank you. 19 20 FACILITATOR: Thank you. 21 Anyone else who would like to make a public comment at this time? 22 23 Name and spelling. 24 MR. WILLIS MATTISON: Thank you. 25 My name is Willis Mattison. I now live down

1 by Detroit lakes. Spell your name. 2 FACILITATOR: MR. WILLIS MATTISON: 3 Willis Mattison, M-A-T-T-I-S-O-N, first name is 4 Willis, W-I-L-L-I-S. 5 I'm a hometown boy. 6 You 7 mentioned you're from Highlanding. I lived 8 down in Pennington, Red Lake county line about 9 eight miles south of Highlanding. Went to school in Plummer. Graduated there in 1961. 10 11 That school gave me a great education, got me interested in science and particularly in 12 13 biology. I was given a scholarship at my school, and I went to Bemidji State 14 15 University, and I got a degree there in 16 biology and chemistry. I went on to teach science. 17 Τ 18 did that for several years but then got 19 interested in environmental protection because I'd learned in college that what we live in 20 our environment, we need to use our 21 environment, we also need to protect it. 22 23 Many of us don't understand that 24 the kinds of things we use are to our own 25 detriment. Oil is one of those things. Oil

Still can serve homes, 1 has served us well. still fuels our cars. But we recognize that 2 like an addiction, some chemicals turn out to 3 be not good for us in the long run. 4 I want to come back home and 5 serve my community in Plummer where I went to 6 7 school, and I consider Thief River Falls and 8 Pennington County part of my home, and I want 9 to serve you. I want to return the favor you did to me by educating me and sending me off to 10 11 school and forming these things. We have a foreign company, 12 Enbridge, that wants to make money. 13 If there wasn't money in oil, they wouldn't be doing 14 15 this. They wouldn't be investing \$7 billion in 16 a project to transport something we can no longer depend on. 17 18 The young lady ahead of me made a 19 very good case. Many of you may not believe in 20 climate change. That's okay. Climate change is not something you believe in. 21 Climate 22 change is something you know and you 23 experience. 24 Your snowmobile manufacturers 25 here in town sold out. I was here in the 1950s

when Artic Cat was being created, and we had 1 wonderful winters for snowmobiles. 2 Whatever happened to those? Why can't they sell as many 3 snowmobiles as they used to? Why did they sell 4 5 out to an out-of-state corporation? I read the paper, and the 6 7 president said it's because people aren't 8 buying snowmobiles anymore because they can't 9 use them like they used to. That's climate change, folks. 10 11 So we need to do something different. The Public Utilities Commission and 12 13 the Department of Commerce are state agencies. 14 State agencies are regulatory agencies to serve 15 the public. There's no need to have regulatory agencies if industries would behave themselves 16 without supervision. 17 They don't. 18 I was in the Pollution Control 19 Agency for 28 years. I know that given their 20 druthers in order to make more money, they will 21 cut corners and they will cut corners at the expense of our health and our environment. 22 So 23 a regulatory agency is supposed to do this. 24 This enormous Environmental 25 Impact Statement that you're looking at is

supposed to answer one primary question, why is 1 this project in the public interest? We know 2 it's in the company's interest to make money. 3 That's a given, and we don't mind people making 4 5 money. That's the American way, for enterprise. 6 7 We work hard, we earn money, we do things. But we should do things in a way 8 9 that doesn't harm our neighbor. You're talking about not wanting 10 11 to harm your neighbor. I don't want to harm my 12 neighbor. These regulatory agencies are 13 supposed to ensure that these companies are not harming their neighbor. 14 15 But if you read this foot-high 16 document, nowhere in there will you see how this project serves you and your long-term 17 18 interest or your children's interest. 19 I have read almost three fourths 20 of it. It's taken me three weeks. I'm not all 21 the way through it. I would guess that few of you, if any, will read it, and I understand 22 23 that. I would not put you through that 24 torture. 25 An environmental impact statement

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should not be torturous to read. By law it is 1 not supposed to be encyclopedic, but it is. 2 It's forebodingly encyclopedic so you will not 3 read it. But I'm going to. So trust me. 4 I'm 5 a hometown kid. I'm not going to come here and 6 lie to you. 7 This document does not 8 demonstrate that this project is in the public 9 interest. It is, in fact, against our 10 11 public interest. So if you want to know more 12 and why, I'm going to be putting on some educational sessions between now and then, the 13 comment period, and I will help you understand 14 15 the fine teeth in there. But this document is so huge that 16 the truth is hidden in all of those pages, and 17 18 you can't find it unless you know where to look I can help you know what to look for. 19 for it. Regulatory agencies have, over 20 time, been virtually taken over by the 21 industries that they are supposed to regulate. 22 23 You don't see in this document that they're --24 the Department of Commerce is recommending the PUC make their decision based on the need for 25

the project as dictated by the economics, the 1 market drivers for oil. 2 They say that the need for the 3 project will be to determine whether the 4 pipeline company can sell the oil or ship the 5 oil if somebody wants to buy it. 6 7 That's kind of like saying a drug 8 dealer should be in business if they've got 9 someone who will buy the illegal drugs. That's not the right test for 10 11 whether this project is needed. We don't need 12 fossil fuels anymore. We need to convert our homes and our businesses and our vehicles and 13 our industry to alternative forms of energy. 14 15 But does this document say that No, it says a 16 that is a reasonable choice? reasonable alternative is to put a whole line 17 18 of trucks on the Canadian border and haul oil 19 to Superior. 20 What reasonable person would have 21 said -- if we look at alternative ways to do this job, would have said, "Let's consider 22 23 putting a line of trucks on the highway and 24 haul that oil?" 25 FACILITATOR: It's been about

1 seven minutes.

MR. WILLIS MATTISON: 2 Please don't insult my intelligence. 3 I will finish up as soon as I can. 4 So this document does a lot of 5 busy work proving, setting up straw men and 6 7 knocking them down. Instead, we should be 8 talking seriously about what does the nation 9 need, what do we need. We need clean energy. 10 Fossil fuels have outlived their usefulness. 11 We know It's served us well, but we found out 12 this. 13 they have a problem so we're in transition. Sixty-year or more investment in 14 15 infrastructure and a pipeline here is not going to be the bridge we need to transition to our 16 new clean energy future, folks. 17 18 So insist that the Department of 19 Commerce revise this document to talk about how 20 do we transition into a clean energy future? We're going to spend \$7 billion. Wouldn't it 21 22 make sense to spend \$7 billion --23 FACILITATOR: It's been about 24 eight minutes. 25 MR. WILLIS MATTISON: -- on

something that will sustain us into those 1 future years? 2 3 Thank you very much. FACILITATOR: Name and spelling 4 5 for the record. MR. CURTIS COBB: I'm Curtis 6 7 Cobb, C-U-R-T-I-S, C-O-B-B. 8 I support his comment. I just 9 want to expand on it for a couple of minutes. We are going to have free energy. 10 It was 11 designed and developed in the 1920s and 30s by Nikola Tesla, who was a scientist then. 12 We do not have it now, because JP Morgan, the 13 financier, found out that as he was financing 14 15 Tesla to build this generator, which he did, he would have to give away the energy free. 16 Morgan pulled back all the 17 18 financing and the generator was dismantled and 19 Tesla was murdered in 1943, to stop him from 20 releasing any further inventions. 21 There have been 76 other inventors that have come out with free energy 22 23 devices. They have all been murdered. Not by 24 accident (indiscernible). But we will have them. 25 We are on

the verge of having free energy, and we will 1 have a much cleaner environment. 2 3 So here we are beating ourselves to death about a pipeline, which will -- go 4 ahead and build it. It will eventually be 5 obsolete. That's basically it. 6 7 Carbon dioxide, I've been 8 studying this thing for about two years now, 9 and they call carbon dioxide a greenhouse gas. And my question is, how can you have a 10 11 greenhouse gas, or how could carbon dioxide be 12 a greenhouse gas when it doesn't exist at greenhouse elevations? 13 Carbon dioxide is a very low 14 15 elevation gas. You get up to 5,000 feet, 16 25 percent of our air disappears. That includes carbon dioxide. You get up to 17 18 10,000 feet, 40 percent of it disappears. How 19 could it be a greenhouse gas? 20 On top of that -- this goes for 21 all the plants in the world. The plants in the world have increased 1.1 percent over the last 22 23 ten years because we increase carbon dioxide. 24 Interesting feature, the -- our 25 satellites -- talk about global warming, this

I'll get back to carbon dioxide in 1 is a point. a minute. We've had 15 weather satellites 2 whirling around this earth for 31 years. 3 It measures the heat going into the earth and the 4 5 heat going out of the earth. For 31 years, every 13 minutes, 6 7 there has been no global warming. Have we had climate change? 8 9 Sure, but the climate's been changing for a billion years, so has the climate changed? 10 11 Sure. 12 But anyway, getting back to carbon dioxide. The reason we've had an 13 increase in CO2 from 300 parts per million to 14 15 400 parts per million for the last hundred years is because we've cut down a few billion 16 Not us, it's what we do with our 17 trees. 18 environment. And so that's pretty much 19 stabilized. The United States farm belt, of 20 which we're a part, produces about 28 percent 21 of the oxygen in this world. The Brazilian 22 23 Rain Forest, another 20 percent. 24 And what we found out was when 25 our satellites were whirling around the earth,

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the astronauts noticed a green glow coming from 1 Central America -- I mean, from basically the 2 Rockies to the East Coast, and they couldn't 3 figure this out, why a green glow that comes 4 5 through the atmosphere when you're 200 miles 6 up. 7 What they found out is our corn 8 crop, our corn crop is producing so much oxygen 9 in this world that it produces 20 percent more oxygen than the Brazilian Rain Forest. 10 11 So we're getting plenty of oxygen and the carbon dioxide has been used up quite 12 That will 13 readily, so stop worrying about it. get fixed, too. 14 15 That's all I've got to say. FACILITATOR: 16 Thank you. 17 Others who have not spoken yet 18 who would like to make a public comment? 19 Anybody else? Just a reminder, if you do want 20 to do a written comment, there are boxes there 21 22 and a paper form that you can fill out. 23 A court reporter in the back, 24 Janet, is here raising her hand, if you want 25 to make an individual comment to her. It will

be treated exactly the same as if you made it 1 to the full group here. Janet will be in the 2 back for the period of the time that we're 3 here to take that comment as well. 4 State staff will be here for the 5 next bit until our finish time at 6 7 1:00 o'clock, roughly; if there are any 8 questions, conversations and the like. 9 Again, just to note, your comments will go into the record. Ultimately 10 it will be gathered up and actually put online 11 on the state website, and they will be 12 considered by the State as they move from the 13 draft to the final EIS, the Environmental 14 15 Impact Statement. Thank you very much for your 16 We're going to be around, so feel free 17 time. 18 to mingle. 19 For the comments across the 20 broad spectrum, thank you very much, and thank 21 you for coming out today. Thanks. 22 23 24 25

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June 21, 2017

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Min-U-Script®

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