PCA Case No. 2013-22

IN THE MATTER OF AN ARBITRATION UNDER CHAPTER ELEVEN OF THE NORTH AMERICAN FREE TRADE AGREEMENT AND THE 2010 UNCITRAL ARBITRATION RULES BETWEEN:

WINDSTREAM ENERGY LLC

Claimant

- and -

GOVERNMENT OF CANADA

Respondent

TRANSCRIPT OF PROCEEDINGS held at the offices of Arbitration Place, 333 Bay Street, Suite 900, Toronto, Ontario, on Thursday, February 18, 2016 at 9:01 a.m.

FULL TRANSCRIPT (including confidential information)

VOLUME 4 - REVISED MAY 12, 2016 CONDENSED TRANSCRIPT WITH INDEX

BEFORE:

Dr. Veijo Heiskanen (President)

Mr. R. Doak Bishop

Dr. Bernardo Cremades

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APPEARANCES:

John Terry Myriam Seers Nick Kennedy Emily Sherkey for the Claimant

Also present:

Various parties Deloitte Client representative, David Mars

Sylvie Tabet
Shane Spelliscy
Rodney Neufeld
Heather Squires
Susanna Kam
Jenna Wates
Valantina Amalraj
Melissa Perrault
Darian Parsons

for the Respondent

Also present:

Various parties, Berkeley Research Group,
URS, Ministry of Citizenship, Immigration and
International Trade/Ministry of Economic
Development, Employment and Infrastructure, Ministry
of the Attorney General, Crown Law Office - Civil,
Ministry of Energy, Ministry of Natural Resources
and Forestry, Ministry of the Environment and
Climate Change, Independent Electricity System
Operator (Formerly the Ontario Power Authority)

Lisa M. Barrett

Court Reporter

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1	Toronto, Ontario	1	proceeding, first one dated 19 August, 2014; and the 09:02:12
2	Upon resuming on Thursday, February 18, 2016	2	second one 19 June, 2015. That's correct? 09:02:15
3	at 9:01 a.m.	3	THE WITNESS: Correct. 09:02:19
4	PRESIDENT: Good morning. Are 09:01:07	4	PRESIDENT: And as has been agreed 09:02:19
5	there are there any housekeeping issues that 09:01:08	5	between the parties and the Tribunal, you will have 09:02:25
6	either party would like to raise? Mr. Terry? 09:01:11	6	a chance to make a brief presentation in the area of 09:02:27
7	MR. TERRY: Nothing from us. 09:01:14	7	direct examination by counsel. We have received the 09:02:31
8	PRESIDENT: And the Respondent? 09:01:15	8	slides, so please go ahead. 09:02:34
9	MR. NEUFELD: Nor from Canada. 09:01:18	9	MR. TERRY: Might I just indicate and 09:02:39
10	PRESIDENT: Thank you. 09:01:19	10	just make sure we've all got agreement that I think 09:02:40
11	And we start with Ms. Powell. Good 09:01:19	11	the experts will have 20 minutes to make a 09:02:43
12	morning, Ms. Powell. 09:01:22	12	presentation? 09:02:45
13	THE WITNESS: Good morning. 09:01:24	13	PRESIDENT: Yes. That is our 09:02:45
14	PRESIDENT: To start with, can you 09:01:26	14	MR. NEUFELD: That is our 09:02:47
15	please state your full name for the record and then 09:01:27	15	understanding. 09:02:47
16	read the declaration for expert witnesses that you 09:01:33	16	PRESIDENT: So based on your 09:02:48
17	have there on the table? 09:01:36	17	understanding of what "Brief" means. Okay. Good. 09:02:49
18	THE WITNESS: Thank you. My name is 09:01:38	18	Ms. Powell. 09:02:52
19	Sarah Virginia Powell. That's P-O-W-E-L-L. And 09:01:39	19	THE WITNESS: Thank you. I have two 09:02:52
20	I solemnly declare upon my honour and conscience 09:01:58	20	corrections on my report if I may. 09:02:52
21	that my evidence and my opinions will be in 09:02:02	21	Can you hear that? I'll try and bring 09:02:52
22	accordance with my sincere belief. 09:02:04	22	it closer. 09:02:52
23	AFFIRMED: SARAH VIRGINIA POWELL 09:02:07	23	Does that work? 09:03:23
24	PRESIDENT: Thank you, Ms. Powell. 09:02:08	24	COURT REPORTER: Yes. Thanks. 09:03:25
25	You have two expert reports in this arbitration 09:02:09	25	THE WITNESS: Does that still work if 09:03:26
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1	•	1	•
1 2	I put it back a bit? Thank you. 09:03:26	1 2	I'll start with my qualifications just 09:05:02
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With respect to experience, I've been 09:06:13 practising in the environmental area since 1993, and 09:06:16 we, at our firm, and I personally have extensive 09:06:20 experience in permitting all forms of projects. So 09:06:24 I've done nuclear, hydro, solar, and wind. And as 09:06:28 I said, as well, I do mining and infrastructure. 09:06:32

Since 2009, I've advised clients on 09:06:35
over 2500 megawatts of renewable projects, and those 09:06:39
fall within the renewable — in the hydro, solar, 09:06:45
and wind. I've helped clients get approvals for 09:06:48
some of Ontario's and Canada's largest wind 09:06:52
projects. The projects I've listed there are all in 09:06:54
Ontario and are now at commercial operation. 09:06:58

I'm currently helping a client permit 09:07:02

Henvey Inlet, which is one of the last large FIT 09:07:04

projects to go through the process, the development 09:07:08

cycle. Henvey Inlet is also known as Nigig Power, 09:07:11

and that's a 300-megawatt. 09:07:15

I was asked to really focus on two 09:07:18

areas, and I'll walk through those conclusions at 09:07:20
a very high level. The first conclusion or area 09:07:23
that I was to look at was Ontario regulatory's 09:07:27
framework from 2009 in September when the 09:07:35
Green Energy Act really got its legs and took - 09:07:35
took effect, to August 2010. So when I talk about 09:07:37

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1 the time period, I'm talking about the regulatory 09:07:40 2 framework in that time period and whether or not it 09:07:43 3 was commercially reasonable for Windstream at that 09:07:45 4 point, in August, to enter into a FIT contract and 09:07:48 5 to pursue the development of the project. My 09:07:51 6 conclusion is that it is, and I'll walk true through 09:07:53 7 those conclusions in a bit more detail as we go 09:07:57 8 through. 09:07:59

The second conclusion I looked at was 09:08:00 whether or not the FIT contract, the wind data, all 09:08:03 of the technical reports that one has to get to move 09:08:07 through the development process, which we call 09:08:13 the -- or I call the work it product in the reports, 09:08:16 whether or not that would generally be considered, 09:08:20 one, an asset of the project and, two, whether it 09:08:23 would constitute personal property in Ontario, and 09:08:25 my conclusion is that it does. And I walk through 09:08:28 that in my report in detail. 09:08:31

The contract is seen in the -- in 09:08:34

Ontario and certainly in Canada as a scarce and 09:08:39
valuable commodity. It allows for assignment. It 09:08:41
allows for change of control, which I think 09:08:44
recognize -- recognizes their value as assets in the 09:08:46
lending transactions and allows them to be treated 09:08:50
like other assets. The FIT contracts may also be 09:08:52

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mortgaged, and I can talk a little bit about that, 09:08:55
but it also, again, recognizes their value in 09:08:57
lending transactions. And the work product, more 09:09:00
generally, in my view, does constitute not only 09:09:03
a valuable asset but personal property. 09:09:07

I think you've probably heard a lot 09:09:12

I think you've probably heard a lot 09:09:12 about the Green Energy Act, but I thought I'd just 09:09:13 put this all in context and start with that before 09:09:16 I get into the FIT contract. The Ontario 09:09:18 Feed-in-Tariff program was really at a time when 09:09:24 Ontario was going through significant financial 09:09:27 challenges. As well, Ontario was closing down its 09:09:29 coal facilities, and you would have heard about 09:09:33 that. Ontario was also trying to design its -- how 09:09:35 to put a price on carbon on the marketplace to deal 09:09:38 from climate change. 09:09:42

So for all of those reasons, the 09:09:43

Green Energy Act was seen as a dramatic solution to 09:09:46
a number of problems, and it did – it was intended 09:09:48
to turbocharge is the word that the government used, 09:09:53
but I think it did accomplish that goal, and it did 09:09:56
turbocharge the creation of renewable energy in 09:10:00
Ontario, and I think the statistics of projects 09:10:03

built under the FIT program confirm that.

It also, in my life as a lawyer,

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represented an unparalleled political commitment to 09:10:10

represented an unparalleled political commitment to 09:10:10 2 this process, and it certainly was described by many 09:10:14 3 as a legislative sea change. So that, really, when 09:10:17 4 you look at the time, what was happening in 2009, it 09:10:20 5 was fast and furious, and it was -- it was 09:10:23 6 absolutely supported by the government. So it 09:10:26 7 really was -- it was a different time. So I think 09:10:29 8 that's important, when I talk about some of the 09:10:33 9 things that we're experiencing, to remember the 09:10:35 10 context that we were living in at the time. 09:10:38

The Green Energy Act also brought in 09:10:41 extensive regulatory changes, and I'll talk a little 09:10:43 bit about those, and the goal of those changes were 09:10:47 to reduce the -- not only the regulatory barriers, 09:10:49 but the financial barriers to bringing renewable 09:10:52 projects to life, and I'll talk about the goal of 09:10:56 the FIT contract being bankable. And by "bankable," 09:10:58 I mean that it was financeable from a long-term 09:11:02 debt perspective. 09:11:06

And everything that was done during 09:11:06
the summer of 2009, as we were working through, and 09:11:09
2009 more generally, was to ensure that these 09:11:11
contracts were financeable, and -- and that really 09:11:14
was a clear indication and a clear priority by 09:11:17
the -- by the then government to ensure that we 09:11:20

09:10:06

09:10:08

Page 12 Page 13 1 1 would get those projects built. And that included, 09:11:23 09:12:36 Agreement, but in the FIT days, it was the FIT 2 2 clearly included, in my view, offshore wind. 09:11:26 program. 09:12:39 3 3 So the two components of the 09:11:30 Just so you're aware, the FIT program 09:12:39 4 4 Green Energy Act I want to touch on very quickly 09:11:32 no longer is offering large FIT projects, so that's 09:12:42 5 5 this morning are the FIT program and the REA 09:11:35 being done under a competitive procurement process, 09:12:45 6 09:11:39 6 approval process, and I'll start with the FIT so that has changed. But at the time, up until 09:12:48 7 7 program. about 2013, from 2009 to 2013, the FIT program did 09:12:51 8 I spent a lot of time in my report 8 focus on large wind, and it issued numerous large 09:12:55 09:11:45 9 9 talking about the FIT contract being a hard gate, 09:11:46 wind contracts, and we'll talk about that. 09:12:59 10 10 and by "hard gate," what I mean by that is it was a 09:11:50 I talk about, in my report, as well, 09:13:02 11 step that developers and lenders saw as a 09:11:54 11 about Crown land tenure. And in my view, starting 09:13:04 12 12 prerequisite before you moved on to any other 09:11:56 in 2008/2009, you started to see the transition away 09:13:10 13 milestone. So the FIT contract was really seen as 09:11:59 13 from the tenure being a key gate to the FIT contract 09:13:15 14 14 because of the way the regulatory process worked. 09:13:19 the first step, and in Ontario, that may be 09:12:02 15 15 Ontario-specific. I can't comment outside of 09:12:06 So the MNR, who we've heard from yesterday, they 09:13:21 16 16 Canada. But in Ontario, that Power Purchase 09:12:09 talked about that you needed to apply for a FIT 09:13:25 17 17 Agreement, getting that, was the first hard gate. 09:12:11 contract and get a FIT contract before you moved 09:13:27 18 If you didn't have that, projects weren't moving 09:12:15 18 into the tenure process. 19 forward. 09:12:17 19 And I worked with many developers in 09:13:32 20 20 And certainly with respect to a 09:12:17 tenure, mostly on hydro facilities. Most hydro 21 21 financing perspective, it would be highly unlikely 09:12:19 facilities are on Crown land because the riverbeds 09:13:39 22 22 that a lender would finance without a FIT contract. 09:12:22 in Ontario are Crown land. So, before this process, 09:13:42 23 23 And I'm not aware of any large wind projects that 09:12:25 the FIT process, land tenure was kind of your gating 09:13:45 24 24 went forward without some form of financial issue because you needed that before you moved into 09:13:48 25 security, either through some form of Power Purchase 09:12:33 25 the power purchase phase. 09:13:51 Page 14 Page 15 1 1 Feed-in-Tariff really flipped that on 09:13:54 the FIT project in a timely manner. So that's 09:15:06 2 2 its head. They were saying -- the government was 09:13:55 a little bit different than some other power 09:15:08 3 3 saying you don't move forward in that until you've 09:13:57 purchase agreements, so I just highlight that for 09:15:12 4 got your FIT contract. So that's why I call it the 09:14:00 4 you. 09:15:14 5 key -- the key hard gate. 09:14:02 5 I also wanted to touch on, just at a 09:15:14 6 And I think it was reasonable for 09:14:04 6 very high level, my experience with the OPA as a 09:15:16 7 developers to expect at that point that the land 7 process. The OPA took a very pragmatic and a very 09:15:19 09:14:06 8 8 tenure and other permits would then follow after commercial approach to contracting. So we've heard 09:15:23 09:14:09 9 that. And I'm careful to say, in my opinion, I'm 09:14:12 9 yesterday about force majeure. In the large wind 09:15:26 10 10 not suggesting that, in any way, that the REA was a 09:14:15 projects that I worked on, almost all of them had 09:15:30 11 11 some form of force majeure to deal with regulatory 09:15:33 sure thing or that land tenure was a sure thing. 12 12 Nothing is in permitting. There's always regulatory 09:14:24 13 13 uncertainty. There's always a regulatory framework 09:14:28 09:15:37 Also, and I think the OPA spoke to 14 14 that is changing. It's never static. 09:14:31 this yesterday, they also did blanket extensions, 09:15:39 15 But what the process was intended to 09:14:33 15 which I think are important because I think that 09:15:42 16 16 do, and certainly the regulated community understood 09:14:35 gives you a sense of the OPA willing to work with 09:15:44 17 17 it to do, was to ensure that, once you had your FIT 09:14:39 developers to ensure that these projects got built 09:15:48 18 contract, that the -- that the developer would be -- 09:14:43 18 out. 09:15:50 19 that the ministries would be working with the 19 So, in 2011, they gave the blanket 09:15:50 09:14:46 20 20 MCOD milestone date extension, and that was because 09:15:55 developer to move through that development process. 09:14:49 21 21 So, again, that's how I use the term "hard gate." 09:14:51 of the regulatory risk, and I talk about in my -- my 09:15:58 22 22 I just wanted to point out, and 09:14:54 report that our clients were having a very steep 09:16:01 23 23 probably very clear to you by now, but the FIT learning curve with these projects, the REA process. 09:16:04 09.14.56

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It was based on the environmental

assessment process that we're all familiar with, but 09:16:11

09:16:09

contract was unique in my experience in Canada, in 09:14:59

that it had a positive covenant to build the FIT - 09:15:03

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it was different timing and different pressures. So 09:16:13 I would just say for you that I find it important, 09:16:17 when you're looking at the context, that the OPA did 09:16:19

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when you're looking at the context, that the OPA did 09:16:19
work cooperatively with the FIT contract holders. 09:16:22
And so you look at water power, for 09:16:26
example. Water power got a blanket three-year 09:16:29

extension, and -- and that was because they were 09:16:32 finding, even though they were working not with the 09:16:35 REA process, but with the Class EA process, which is 09:16:37 a different process that was known to developers at 09:16:41 that time, things were still taking longer. 09:16:43

First Nations, you heard yesterday 09:16:45 about the First Nations FIT contract extension. 09:16:47 That's because on the First Nation reserve lands, 09:16:51 the Nigig or Henvey project that we're working on 09:16:54 now, it has a totally different land tenure system, 09:17:01 a completely different -- it doesn't have a REA 09:17:02 process. It has a totally different permitting 09:17:04 process. And so acknowledging that again, the OPA 09:17:06 provided this through -- the Ministry of Energy, 09:17:09 through a directive to the OPA, provided this 09:17:10 blanket extension. 09:17:13

Okay, sorry. I'm going too slowly 09:17:14 I've been told. I apologize. 09:17:17

So I just wanted to point here that it 09:17:18

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was pragmatic and that the extent that there was 09:17:20 delay, they would likely, in my view, have 09:17:23 considered some form of extension. 09:17:26

I wanted to touch very quickly on 09:17:28

project financings because there were some comments 09:17:31
about the sequencing in Ontario. I just want to be 09:17:34
clear: A condition precedent to getting your Notice 09:17:36
to Proceed, which is your ticket to start 09:17:39
construction, that Notice to Proceed, you need 09:17:42
financing commitment. The financing commitment is a 09:17:44
prescribed form that refers to 50 per cent of 09:17:46
project development costs. 09:17:49

The financing plan can be conditional 09:17:51 on getting your Notice to Proceed, so I just wanted 09:17:53 to be clear that, when you're going through the debt 09:17:56 process and trying to syndicate the debt for your 09:17:59 project, the Notice to Proceed is a condition 09:18:02 precedent to financial close. So it doesn't -- you 09:18:07 don't have financial close and then you get your 09:18:14 Notice to Proceed. You get your Notice to Proceed. 09:18:15 It's a condition precedent to financial close. 09:18:19

There was a bit of confusion, I think, 09:18:21 in how the Ontario process works, and I just wanted 09:18:23 to be clear on that. And so when you're going 09:18:26 through your financing process, when we're in REA 09:18:27

Page 18

hearings -- so you've heard about the REAs being 09:18:30 appealed. Almost all of the large wind hearings 09:18:32 have been appealed. As I'm sitting in the hearing 09:18:35 like this trying to get through that appeal process, 09:18:38 the commercial lawyers are out getting the lending 09:18:40 done. So as soon as the appeal is denied, and 90 09:18:43 per cent -- over 99 per cent of them have been 09:18:45 denied, once that happens you're ready to close, and 09:18:47 you move forward with construction. So it's very 09:18:52 compressed and it's very quick. So I just wanted to 09:18:54 set out that sequencing, and I tried to do that there. The reason that's important is because of 09:18:59 the REA timelines are tight, as we heard yesterday. 09:19:01 09:19:05

But I just -- again, there was a 09:19:05

comment about whether or not projects would proceed, 09:19:08
if -- or be financed if their COD, their projected 09:19:11

COD, commercial operation date was after the 09:19:14

milestone date. And I can tell you on almost all of 09:19:18
the projects I've been involved with, at financial 09:19:22
close, the MCOD, the milestone date, was before the 09:19:24

COD. So the projected COD was well after the 09:19:30
milestone date, and I try and set that out. 09:19:33

Just quickly, there was also a comment 09:19:37
in the reports -- and so this is really responding 09:19:39

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to the newer reports -- that the REA would have had 09:19:42 to cover the foundation manufacturing facility. 09:19:45

That was a third-party entity that was manufacturing 09:19:48 the foundations. 09:19:51

In my view, that's not correct. In my 09:19:53
view the definition of project location and 09:19:55
renewable energy generation facility would not have 09:19:58
included a manufacturing facility to -- to make 09:20:00
foundations. It may well be that that facility 09:20:04
needed its own approvals but it wouldn't have been 09:20:07
under the project's REA. 09:20:09

We heard a lot about yesterday about 09:20:12
precautionary principle. I spent a lot of time in 09:20:13
my report going through the precautionary principle 09:20:16
and why I was perplexed that the Ontario government 09:20:18
based their decision on that, and I won't go through 09:20:21
all of it now because of timing, but I think -- 09:20:24
I tried to make it clear, at least in my view, that 09:20:26
there wasn't that credible scientific evidence of 09:20:28
a significant threat or irreversible threat that 09:20:31
would've -- would've triggered the precautionary 09:20:35
principle, and so, again, that's set out in my 09:20:37
report. 09:20:39

I finally wanted to touch just quickly 09:20:40 on the REA offshore project process. You heard 09:20:42

	Page 20		Page 21
1	about that yesterday. And what I wanted to talk 09:20:46	1	CROSS-EXAMINATION BY MS. WATES: 09:22:05
2	about and just and I tried to do it as 09:20:48	2	BY MS. WATES: 09:22:05
3	comprehensively as I could in my reports is 09:20:51	3	Q. Good morning, Dr. Heiskanen, Mr. 09:22:05
4	thinking back to 2009 and 2010, again, fast and 09:20:57	4	Cremades, and Mr. Bishop. 09:23:27
5	furious regulatory change. But what did the 09:21:01	5	Good morning, Ms. Powell. 09:23:28
6	regulatory community understand? As the REA Regs 09:21:03	6	A. Good morning. 09:23:29
7	were being released in draft in June of 2009 all the 09:21:08	7	Q. And thank you for your 09:23:29
8	way through to August 2010, it was I had 09:21:12	8	presentation. As you know, we just met earlier. My 09:23:32
9	understood and the regulated community, I believe, 09:21:16	9	name is Jenna Wates, and I'm counsel to the 09:23:34
10	understood that it wasn't for certain aspects of 09:21:19	10	Government of Canada in this arbitration. I'm going 09:23:37
11	offshore wind, it was not going to be prescriptive. 09:21:21	11	to ask you some questions about your two reports 09:23:38
12	And and there's documents that I referred in 09:21:23	12	that were filed by the Claimant in this proceeding. 09:23:40
13	my into my reports that talk about that not being 09:21:26	13	If you don't under a question, be sure 09:23:46
14	a prescribed front-end prescriptive process for 09:21:29	14	to let me knee and I'll repeat or rephrase it. It 09:23:49
15	aspects of the offshore wind. 09:21:33	15	is important that we understand each other. 09:23:52
16	You still needed to do all of the REA 09:21:35	16	And it is also important that you 09:23:53
17	reports, but there was an additional report which 09:21:37	17	answer my questions. To the extent that there's a 09:23:55
18	was called the "Offshore Wind Facility Report," and 09:21:39	18	yes or no answer, I would appreciate if you could 09:23:59
19	that really had environmental assessment components 09:21:42	19	state that upfront for the record, and then we can 09:24:01
20	that were not they were not province-wide 09:21:45	20	go into the additional context for your opinion. 09:24:04
21	standards and that was our general understanding as 09:21:48	21	Also, I provided with you a binder 09:24:08
22	we went through that regulatory process. 09:21:51	22	with some exhibits that have been filed in the 09:24:09
23	That's it. 09:21:56	23	record in the arbitration. As we proceed through 09:24:13
24	PRESIDENT: Thank you, Ms. Powell. 09:22:00	24	the questions, I will I will refer to both the 09:24:15
25	And cross-examination is Ms. Wates. Thank you. 09:22:04	25	exhibit number and the the tab number for your 09:24:19
	Page 22		Page 23
1	reference. 09:24:24	1	and resource projects. 09:25:23
2		1 2	1 3
	Okay. So we've already confirmed, I 09:24:24		You also attached your CV at the 09:25:24
2	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25	2	You also attached your CV at the 09:25:24
2	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27	2	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27
2 3 4	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27	2 3 4	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27 A. Correct. 09:25:30 Q including a list of 09:25:30
2 3 4 5	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27 August 19, 2014 and June 14, 2015; correct? 09:24:29 A. Correct. 09:24:34	2 3 4 5	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27 A. Correct. 09:25:30 Q including a list of 09:25:30 representative renewable energy work. And it 09:25:31
2 3 4 5	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27 August 19, 2014 and June 14, 2015; correct? 09:24:29	2 3 4 5 6	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27 A. Correct. 09:25:30 Q including a list of 09:25:30 representative renewable energy work. And it 09:25:31
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27 August 19, 2014 and June 14, 2015; correct? 09:24:29 A. Correct. 09:24:34 Q. Okay. And these reports sets out 09:24:35 your opinion as to the level of regulatory risk with 09:24:36 respect to Ontario's regulatory framework for 09:24:38 offshore wind projects as of August 2010; correct? 09:24:42 A. Correct. 09:24:45 Q. Okay. And August 2010 is the 09:24:46 significant date because, as identified in your 09:24:49 assumptions, Windstream signed its FIT contract on 09:24:52 August 20, 2010; correct? 09:24:55 A. Correct. 09:24:56 Q. Okay. Now, before we get into the 09:24:57 substance of your reports, I just wanted to ask 09:25:00 about your experience. You spoke about that briefly 09:25:02 in your presentation this morning. 09:25:05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27 A. Correct. 09:25:30 Q including a list of 09:25:30 representative renewable energy work. And it 09:25:31 included the K2, Armow, South Kent, and Grand projects. 09:25:40 And I had understood from your the 09:25:41 CV that you had you were acting for them in the 09:25:44 Environmental Review Tribunal appeal from the REA 09:25:47 decision, but based on your presentation this 09:25:50 morning, do I understand correctly that you were 09:25:53 involved in actually obtaining the REA for those projects? 09:25:58 A. So we are permitting counsel to 09:25:59 the projects, and so, yes. So we we assist in 09:26:05 the permitting as you go through that permitting 09:26:11 process. 09:26:13 Q. Okay. 09:26:14 Nigig power, that's we're acting as counsel to 09:26:19
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27 August 19, 2014 and June 14, 2015; correct? 09:24:29 A. Correct. 09:24:34 Q. Okay. And these reports sets out 09:24:35 your opinion as to the level of regulatory risk with 09:24:36 respect to Ontario's regulatory framework for 09:24:38 offshore wind projects as of August 2010; correct? 09:24:42 A. Correct. 09:24:45 Q. Okay. And August 2010 is the 09:24:46 significant date because, as identified in your 09:24:49 assumptions, Windstream signed its FIT contract on 09:24:52 August 20, 2010; correct? 09:24:55 A. Correct. 09:24:56 Q. Okay. Now, before we get into the 09:24:57 substance of your reports, I just wanted to ask 09:25:00 about your experience. You spoke about that briefly 09:25:02 in your presentation this morning. 09:25:05 Your first report had indicated that 09:25:08 you regularly advise developers and lenders with 09:25:11 respect to a wide range of permitting matters 09:25:13	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27 A. Correct. 09:25:30 Q including a list of 09:25:30 representative renewable energy work. And it 09:25:31 included the K2, Armow, South Kent, and Grand projects. 09:25:40 And I had understood from your the 09:25:41 CV that you had you were acting for them in the 09:25:44 Environmental Review Tribunal appeal from the REA 09:25:47 decision, but based on your presentation this 09:25:50 morning, do I understand correctly that you were 09:25:53 involved in actually obtaining the REA for those projects? 09:25:58 A. So we are permitting counsel to 09:25:59 the projects, and so, yes. So we we assist in 09:26:05 the permitting as you go through that permitting 09:26:11 process. 09:26:13 Q. Okay. 09:26:14 A. So, for example, for Henvey Inlet, 09:26:14
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Okay. So we've already confirmed, I 09:24:24 believe, for the record that you provided the 09:24:25 Claimant with two reports in this arbitration, dated 09:24:27 August 19, 2014 and June 14, 2015; correct? 09:24:29 A. Correct. 09:24:34 Q. Okay. And these reports sets out 09:24:35 your opinion as to the level of regulatory risk with 09:24:36 respect to Ontario's regulatory framework for 09:24:38 offshore wind projects as of August 2010; correct? 09:24:42 A. Correct. 09:24:45 Q. Okay. And August 2010 is the 09:24:46 significant date because, as identified in your 09:24:49 assumptions, Windstream signed its FIT contract on 09:24:52 August 20, 2010; correct? 09:24:55 A. Correct. 09:24:56 Q. Okay. Now, before we get into the 09:24:57 substance of your reports, I just wanted to ask 09:25:00 about your experience. You spoke about that briefly 09:25:02 in your presentation this morning. 09:25:05 Your first report had indicated that 09:25:08 you regularly advise developers and lenders with 09:25:11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	You also attached your CV at the 09:25:24 Appendix C of that report 09:25:27 A. Correct. 09:25:30 Q including a list of 09:25:30 representative renewable energy work. And it 09:25:31 included the K2, Armow, South Kent, and Grand projects. 09:25:40 And I had understood from your the 09:25:41 CV that you had you were acting for them in the 09:25:44 Environmental Review Tribunal appeal from the REA 09:25:47 decision, but based on your presentation this 09:25:50 morning, do I understand correctly that you were 09:25:53 involved in actually obtaining the REA for those projects? 09:25:58 A. So we are permitting counsel to 09:25:59 the projects, and so, yes. So we we assist in 09:26:05 the permitting as you go through that permitting 09:26:11 process. 09:26:13 Q. Okay. 09:26:14 Nigig power, that's we're acting as counsel to 09:26:19

	Page 24		Page 25
1	approval on that. And then, to the extent it got to 09:26:36	1	you stated, and again in your presentation this 09:27:36
2	a hearing, it doesn't fall under the REA process. 09:26:39	2	morning, you said that it would have been 09:27:38
3	We he would continue on through that process. 09:26:41	3	commercially reasonable for the developer to assume 09:27:40
4	Q. Right. The Henvey Inlet project 09:26:44	4	that it would have been able to proceed through the 09:27:42
5	or Nigig project, as it's also known, isn't subject 09:26:45	5	REA process, and I believe the figure that you gave 09:27:46
6	to the Renewable Energy Approval of the province. 09:26:49	6	was approximately three years. We can turn to that 09:27:48
7	A. No. 09:26:51	7	if you'd like. It's on page 2 of your first report 09:27:52
8	Q. Okay. 09:26:51	8	at paragraph 3(3). 09:27:55
9	A. Sorry, it's just to be clear, 09:26:51	9	You said that: 09:28:00
10	it's a REA process. 09:26:55	10	"It would have been reasonable 09:28:00
11	Q. Okay. 09:26:57	11	to assume that the permitting 09:28:03
12	A. So what it's under the Federal 09:26:57	12	of an offshore wind project 09:28:05
13	Government's First Nations Land Management Act, and 09:26:58	13	could have been completed in 09:28:06
14	under that Act, you essentially are permitted to 09:27:01	14	approximately three years." 09:28:08
15	take the REA process and do REA-like. So what it 09:27:04	15	[As read] 09:28:09
16	is, it's a REA-like process. 09:27:08	16	So this would include obtaining the 09:28:09
17	Q. Okay. And I'd just like to 09:27:10	17	Renewable Energy Approval, or REA; correct? 09:28:11
18	confirm for the record, understanding, obviously, 09:27:13	18	A. So what I was trying to say in 09:28:14
19	that you may have some confidentiality obligations 09:27:16	19	that paragraph was that, if I was looking backwards 09:28:15
20	but have you ever advised on the potential 09:27:20	20	at what I would have believed at the time, I 09:28:21
21	permitting of on offshore wind project in Ontario 09:27:22	21	would've assumed because I our gut was that we 09:28:23
22	prior to this arbitration? 09:27:26	22	could make through it for 24 months for most wind 09:28:27
23	A. I have I have not done 09:27:27	23	
24		24	projects onshore. 09:28:32 Q. Mm-hmm. 09:28:33
25	offshore. 09:27:28 Q. Okay. So in your first report, 09:27:28	25	A. And so looking at trying to 09:28:33
23	Q. Okay. So in your first report, 09.27.28	25	A. And so looking at trying to 09:28:55
	Page 26		Page 27
1	predict, I my gut would've been that three years 09:28:34	1	on the next page, you stated that it's required to 09:29:38
2	would have been reasonable, based on that based 09:28:37	2	render a decision within six months from the day 09:29:42
3	on the experience we had coming out of the 09:28:44	3	that the Notice of Appeal is served on it. 09:29:44
4	Environmental Assessment process. 09:28:45	4	So I just want to confirm, then, in 09:29:46
5	So we knew generally how to work our 09:28:46	5	your opinion, that it would take 36 months it 09:29:49
6	way through the Ontario Environmental Assessment 09:28:49	6	would be reasonable to assume 36 months to obtain 09:29:53
7	Process, and so we we when we're advising 09:28:51	7	the Renewable Energy Approval, and then at the end 09:29:56
8	clients regularly, we would talk about how is that 09:28:53	8	of that process, you'd need to allow an additional 09:29:58
9		1	
	process being streamlined and where can we, from 09:28:56	9	•
10	process being streamlined and where can we, from 09:28:56 a scheduling perspective, work with that 09:28:59	9 10	six months to complete the Environmental Review 09:30:03
10 11	a scheduling perspective, work with that. 09:28:59		six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05
	a scheduling perspective, work with that. 09:28:59 So, two years was, I think, where we 09:29:02	10	six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05 morning during that time you'd be arranging some of 09:30:07
11	a scheduling perspective, work with that. 09:28:59 So, two years was, I think, where we 09:29:02 were thinking, if I look back to September 2009. 09:29:04	10	six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05 morning during that time you'd be arranging some of 09:30:07 the debt financing. Is that correct? 09:30:10
11 12	a scheduling perspective, work with that. 09:28:59 So, two years was, I think, where we 09:29:02 were thinking, if I look back to September 2009. 09:29:04 Q. For onshore? 09:29:08	10 11 12	six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05 morning during that time you'd be arranging some of 09:30:07 the debt financing. Is that correct? 09:30:10 A. That's correct. The the REA 09:30:12
11 12 13	a scheduling perspective, work with that. 09:28:59 So, two years was, I think, where we 09:29:02 were thinking, if I look back to September 2009. 09:29:04 Q. For onshore? 09:29:08 A. For onshore, yes. 09:29:10	10 11 12 13	six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05 morning during that time you'd be arranging some of 09:30:07 the debt financing. Is that correct? 09:30:10 A. That's correct. The the REA 09:30:12 appeal though, our understanding at the time, would 09:30:14
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11 12 13 14 15 16 17 18 19 20 21	a scheduling perspective, work with that. O9:28:59 So, two years was, I think, where we 09:29:02 were thinking, if I look back to September 2009. O9:29:04 Q. For onshore? O9:29:08 A. For onshore, yes. O9:29:10 Q. And you said three years for 09:29:11 offshore. O9:29:12 A. Right. O9:29:12 Q. And I just want to confirm: That 09:29:12 means obtaining the REA within three years; correct? 09:29:14 A. Yes. O9:29:17 Q. And you also mentioned in your 09:29:17	10 11 12 13 14 15 16 17 18 19 20 21	six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05 morning during that time you'd be arranging some of 09:30:07 the debt financing. Is that correct? 09:30:10 A. That's correct. The the REA 09:30:12 appeal though, our understanding at the time, would 09:30:14 be subject to the force majeure provisions. So 09:30:16 we you know, from a milestone date perspective, I 09:30:23 think most developers thought, and I think most 09:30:25 people like me were advising them, that you'd have 09:30:28 a safe harbour during that appeal process which has 09:30:31 borne out to be correct. 09:30:34 I don't think we would have predicted 09:30:35
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11 12 13 14 15 16 17 18 19 20 21 22 23	a scheduling perspective, work with that. 09:28:59 So, two years was, I think, where we 09:29:02 were thinking, if I look back to September 2009. 09:29:04 Q. For onshore? 09:29:08 A. For onshore, yes. 09:29:10 Q. And you said three years for 09:29:11 offshore. 09:29:12 A. Right. 09:29:12 Q. And I just want to confirm: That 09:29:12 means obtaining the REA within three years; correct? 09:29:14 A. Yes. 09:29:17 Q. And you also mentioned in your 09:29:17 first report I can refer the Tribunal to 09:29:21 page 11 in paragraph 30, you mentioned the 09:29:24	10 11 12 13 14 15 16 17 18 19 20 21 22 23	six months to complete the Environmental Review 09:30:03 Tribunal process, and I think you mentioned this 09:30:05 morning during that time you'd be arranging some of 09:30:07 the debt financing. Is that correct? 09:30:10 A. That's correct. The the REA 09:30:12 appeal though, our understanding at the time, would 09:30:14 be subject to the force majeure provisions. So 09:30:16 we you know, from a milestone date perspective, I 09:30:23 think most developers thought, and I think most 09:30:25 people like me were advising them, that you'd have 09:30:28 a safe harbour during that appeal process which has 09:30:31 borne out to be correct. 09:30:34 I don't think we would have predicted 09:30:35 the number of appeals. My recommendation to most 09:30:40
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	Page 28		Page 29
1	I was wrong on that front, that they 09:30:48	1	that, you were getting force majeure, but you had to 09:31:53
2	have appealed almost every project. So but I 09:30:50	2	make individual force majeure claims. And the 09:31:55
3	you know, we our general understanding, again and 09:30:56	3	problem there is, because you weren't sure that you 09:31:58
4	it's I tried to put it in context. It was so 09:30:59	4	were going to get the force majeure, you would start 09:32:02
5	fast going through that process. So we are 09:31:01	5	constructing. 09:32:05
6	commenting on the FIT contract terms at the same 09:31:04	6	Q. Right. 09:32:05
7	time we were looking at the REA regulations and 09:31:06	7	A. And if you're starting to 09:32:05
8	trying to understand how they would work together. 09:31:09	8	construct during a REA appeal, it doesn't make for 09:32:07
9	And in that case, you know, we assumed, based on the 09:31:11	9	good blood with neighbours. So what the 09:32:11
10	force majeure provisions that we had, you know, a 09:31:17	10	recommendation was from the lending community and 09:32:12
11	more likely than not argument that we could we 09:31:19	11	the the development community was to ensure 09:32:14
12	could get under the force majeure for any appeals. 09:31:21	12	that it was it was better for the FIT program 09:32:16
13	Q. So it was an expectation that you 09:31:25	13	and and for relationships with neighbours to stop 09:32:20
14	would that the act of going through the 09:31:26	14	construction, and the only way we could stop 09:32:24
15	Environmental Review Tribunal process for the REA 09:31:29	15	construction, because I told you about the timelines 09:32:27
16	would be considered by the OPA to be to qualify 09:31:32	16	being so compressed, is to stop the construction. 09:32:28
17	as a force majeure event under the FIT contract? 09:31:35	17	We needed a blanket force majeure, and that's when, 09:32:31
18	A. I think generally we we had 09:31:37	18	in 2014, when that blanket force majeure came in. 09:32:34
19	assumed that to be the case. 09:31:39	19	Q. Okay. And so just to confirm, 09:32:37
20	Q. Okay. And when you say that it's 09:31:41	20	this is the OPA is accepting that the ERT appeal 09:32:39
21	been borne out, you are referring to you're 09:31:42	21	constitutes a force majeure event and allowing 09:32:48
22	referring to, I believe it's that the the OPA 09:31:43	22	that the amount of time. It's not an addition to 09:32:49
23	automatically considers that an event of force 09:31:46	23	the existing sort of 24-month force majeure 09:32:52
24	majeure now under the contract; correct? 09:31:49	24	post-MCOD? 09:32:55
25	A. Before that, they did. So before 09:31:51	25	A. No. So so in the blanket 09:32:57
	Page 30		Page 31
1	Page 30 extension 09:32:59	1	Page 31 event, you're working with that extension plus the 09:34:03
1 2	•	1 2	
	extension 09:32:59		event, you're working with that extension plus the 09:34:03
2	extension Q. Mm-hmm. O9:32:59 A they are actually doing an O9:32:59 extension of the MCOD. So because it's a O9:33:00	2	event, you're working with that extension plus the 09:34:03 existing 24 months that was under the the FIT 09:34:06
2	extension 09:32:59 Q. Mm-hmm. 09:32:59 A they are actually doing an 09:32:59	2	event, you're working with that extension plus the existing 24 months that was under the the FIT o9:34:06 contract? 09:34:09
2 3 4	extension Q. Mm-hmm. O9:32:59 A they are actually doing an O9:32:59 extension of the MCOD. So because it's a O9:33:00	2 3 4	event, you're working with that extension plus the existing 24 months that was under the the FIT 09:34:06 contract? 09:34:09 A. So there's an MCOD extension on 09:34:09
2 3 4 5	extension 09:32:59 Q. Mm-hmm. 09:32:59 A they are actually doing an 09:32:59 extension of the MCOD. So because it's a 09:33:00 standard a standard term, and it's a program of 09:33:02	2 3 4 5	event, you're working with that extension plus the 09:34:03 existing 24 months that was under the the FIT 09:34:06 contract? 09:34:09 A. So there's an MCOD extension on 09:34:09 under the for the day day for that you're 09:34:11
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	extension Q. Mm-hmm. Q9:32:59 A they are actually doing an Q9:32:59 extension of the MCOD. So because it's a Q9:33:00 standard a standard term, and it's a program of Q9:33:02 standardized approvals, they prefer to do that as Q9:33:06 opposed to doing force majeure on one-offs, because Q9:33:09 when you have a standardized program, which the FIT Q9:33:11 program was intended to be, it's preferable to level Q9:33:14 the playing field. So to level the playing field, Q9:33:17 what they did was, after they were getting all of Q9:33:20 these force majeures and I suspect the Q9:33:22 government, like us, expected that at some point Q9:33:24 these appeals would stop, but they never stopped. Q9:33:26 So, because of that, the the Q9:33:29 Ministry the Minister of Energy, I directed Q9:33:37 levels the playing field, and to get that MCOD Q9:33:40 extension, you have to commit not to take undertake any construction activities. So that Wasn't happening under the force majeure Q9:33:49 necessarily. Q9:33:50	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	event, you're working with that extension plus the 09:34:03 existing 24 months that was under the the FIT 09:34:06 contract? 09:34:09 A. So there's an MCOD extension on 09:34:09 under the for the day day for that you're 09:34:11 sitting in an appeal until you get a decision. So 09:34:18 that's a six-month process, from the moment the 09:34:21 appeal's triggered to when the decision needs to be 09:34:23 rendered. 09:34:25 Q. Okay. Thank you. If you could 09:34:32 turn to page 32 of your first report and at 09:34:33 paragraph 94, you stated that: 09:34:36 "Although each project brings 09:34:38 its unique challenges to the 09:34:40 regulatory process, regulatory 09:34:41 uncertainty was not unique to 09:34:43 offshore wind facilities in 09:34:45 Ontario." [As read] 09:34:47 So I'd just like to confirm, and you 09:34:48 acknowledged in your presentation this morning, as 09:34:50 well, I believe. But the Claimant, as and a 09:34:53 developer of a a proponent of an offshore wind 09:34:55

	Page 32		Page 33
1	A. That's my opinion. 09:35:05	1	responsibility whatsoever to 09:36:09
2	Q. Okay. And now I'd just like to 09:35:06	2	independently assess the 09:36:10
3	show you briefly an excerpt from the FIT rules which 09:35:09	3	viability of any application 09:36:12
4	are included at Tab 15 of your binder. For the 09:35:13	4	or project, nor any liability 09:36:13
5	record, this is Exhibit R-0091. 09:35:19	5	whatsoever in the event that 09:36:15
6	I specifically included well, I 09:35:25	6	a project turns out not to be 09:36:17
7	guess we'll see on the first page that these rules 09:35:27	7	viable in any respect." [As 09:36:18
8	are dated March 10, 2010, Version 1.3. So I 09:35:31	8	read] 09:36:20
9	understand, from your assumptions, that you're aware 09:35:37	9	So, based on this provision of the 09:36:20
10	that Windstream's FIT contract was announced in the 09:35:38	10	the FIT rules, which which govern the program, 09:36:21
11	first-round, April 8, 2010. So this version of the 09:35:41	11	it's my understanding that, when deciding which 09:36:28
12	rules would have been in force 09:35:45	12	applicants to offer FIT contracts, the OPA undertook 09:36:30
13	A. Right. 09:35:46	13	no assessment of whether or not a project would be 09:36:33
14	Q when the contract was awarded? 09:35:46	14	successful in obtaining all the permits it required. 09:36:35
15	I specifically included Section 3.3 of the rules, 09:35:48	15	Is that your opinion as well? Is that correct? 09:36:38
16	called, "Responsibility for Project Viability." And 09:35:52	16	A. That would be a question for the 09:36:41
17	it states that: 09:35:56	17	OPA. My understanding of the OPA's first-round 09:36:42
18	"Despite anything contained in 09:35:56	18	process was they were looking for the shovel-ready 09:36:45
19	these FIT rules or in the FIT 09:35:58	19	projects. And the shovel-ready projects were the 09:36:48
20	contract, applicants are 09:36:00	20	projects that they deemed, however they deemed that, 09:36:51
21	solely responsible for 09:36:01	21	to be the ones that would be most likely to move 09:36:54
22	ensuring the technical, 09:36:02	22	forward. 09:36:56
23	regulatory, and financial 09:36:04	23	And when you look at the shovel the 09:36:57
24	viability of their projects, 09:36:06	24	shovel-ready projects, which were those projects 09:36:57
25	and the OPA shall have no 09:36:06	25	that were picked in the first-round of the large 09:37:01
			D 25
	Page 34		Page 35
1	wind and, again, when I say "large wind," think 09:37:03	1	all of the public record and from my experience with 09:38:10
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2 3 4	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11	2 3 4	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17
2 3 4 5	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13	2 3 4 5	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19
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2 3 4 5 6 7 8 9 10 11	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13 But when you look at the first-round 09:37:16 contracts that were issued, there was 12 for large 09:37:21 onshore, and of those 12, 10 have been built, so are 09:37:24 running; one was terminated; and one is in the REA 09:37:28 process still. 09:37:32 So, to me, that suggests that the OPA, 09:37:33 in their shovel-ready determination, did some form 09:37:36	2 3 4 5 6 7 8 9 10 11	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19 I don't have any insight into their inner workings. 09:38:23 Q. Okay. Now, I'd just like to ask 09:38:27 you to turn to Tab 12, which contains exhibit 09:38:38 C-0105. This is an excerpt from the Environmental 09:38:38 Protection Act, or EPA. And I would just like to 09:38:42 look at Section 47.5, which is on the front of the 09:38:47 fourth page in the excerpt. 09:38:51
2 3 4 5 6 7 8 9 10 11 12	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13 But when you look at the first-round 09:37:16 contracts that were issued, there was 12 for large 09:37:21 onshore, and of those 12, 10 have been built, so are 09:37:24 running; one was terminated; and one is in the REA 09:37:28 process still. 09:37:32 So, to me, that suggests that the OPA, 09:37:33 in their shovel-ready determination, did some form 09:37:36 of determination, but I don't I'm not privy to 09:37:39	2 3 4 5 6 7 8 9 10 11 12 13	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19 I don't have any insight into their inner workings. 09:38:23 Q. Okay. Now, I'd just like to ask 09:38:27 you to turn to Tab 12, which contains exhibit 09:38:33 C-0105. This is an excerpt from the Environmental 09:38:38 Protection Act, or EPA. And I would just like to 09:38:42 look at Section 47.5, which is on the front of the 09:38:47 fourth page in the excerpt. 09:38:51 This provision is called "Director's 09:38:53
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2 3 4 5 6 7 8 9 10 11 12 13 14	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13 But when you look at the first-round 09:37:16 contracts that were issued, there was 12 for large 09:37:21 onshore, and of those 12, 10 have been built, so are 09:37:24 running; one was terminated; and one is in the REA 09:37:28 process still. 09:37:32 So, to me, that suggests that the OPA, 09:37:33 in their shovel-ready determination, did some form 09:37:36 of determination, but I don't I'm not privy to 09:37:39 that. 09:37:42 Q. Okay. And so so you're not 09:37:42	2 3 4 5 6 7 8 9 10 11 12 13 14 15	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19 I don't have any insight into their inner workings. 09:38:23 Q. Okay. Now, I'd just like to ask 09:38:27 you to turn to Tab 12, which contains exhibit 09:38:33 C-0105. This is an excerpt from the Environmental 09:38:38 Protection Act, or EPA. And I would just like to 09:38:42 look at Section 47.5, which is on the front of the 09:38:47 fourth page in the excerpt. 09:38:51 This provision is called "Director's 09:38:53 powers." And in Subsection 47.5(1), it says 09:38:56 A. Sorry. 09:39:02
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13 But when you look at the first-round 09:37:16 contracts that were issued, there was 12 for large 09:37:21 onshore, and of those 12, 10 have been built, so are 09:37:24 running; one was terminated; and one is in the REA 09:37:28 process still. 09:37:32 So, to me, that suggests that the OPA, 09:37:33 in their shovel-ready determination, did some form 09:37:36 of determination, but I don't I'm not privy to 09:37:39 that. 09:37:42 Q. Okay. And so so you're not 09:37:42 aware of whether or not or what test the OPA may 09:37:45 or may not have applied, but based on this provision 09:37:48 in in the FIT rules, you'd agree with me that the 09:37:51	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19 I don't have any insight into their inner workings. 09:38:23 Q. Okay. Now, I'd just like to ask 09:38:27 you to turn to Tab 12, which contains exhibit 09:38:33 C-0105. This is an excerpt from the Environmental 09:38:38 Protection Act, or EPA. And I would just like to 09:38:42 look at Section 47.5, which is on the front of the 09:38:47 fourth page in the excerpt. 09:38:51 This provision is called "Director's 09:38:53 powers." And in Subsection 47.5(1), it says 09:38:56 A. Sorry. 09:39:02 Q. Oh, sorry, I'll give you a moment. 09:39:03 [Pause] 09:39:04 A. It's 47.5? 09:39:04
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13 But when you look at the first-round 09:37:16 contracts that were issued, there was 12 for large 09:37:21 onshore, and of those 12, 10 have been built, so are 09:37:24 running; one was terminated; and one is in the REA 09:37:28 process still. 09:37:32 So, to me, that suggests that the OPA, 09:37:33 in their shovel-ready determination, did some form 09:37:36 of determination, but I don't I'm not privy to 09:37:39 that. 09:37:42 Q. Okay. And so so you're not 09:37:42 aware of whether or not or what test the OPA may 09:37:45 or may not have applied, but based on this provision 09:37:51 OPA is disclaiming any responsibility for 09:37:53 undertaking such an assessment, wouldn't you? 09:37:56	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19 I don't have any insight into their inner workings. 09:38:23 Q. Okay. Now, I'd just like to ask 09:38:27 you to turn to Tab 12, which contains exhibit 09:38:33 C-0105. This is an excerpt from the Environmental 09:38:38 Protection Act, or EPA. And I would just like to 09:38:42 look at Section 47.5, which is on the front of the 09:38:47 fourth page in the excerpt. 09:38:51 This provision is called "Director's 09:38:53 powers." And in Subsection 47.5(1), it says 09:38:56 A. Sorry. 09:39:02 Q. Oh, sorry, I'll give you a moment. 09:39:03 [Pause] 09:39:04 A. It's 47.5? 09:39:04 Q. Yes, sorry if I misstated. 09:39:06 A. Okay. 09:39:09
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	wind and, again, when I say "large wind," think 09:37:03 your expert uses a different threshold. I use 50, 09:37:05 and that's not you know, there's no science to 09:37:08 that. That's more just my experience on where does 09:37:11 the complexity start to ground, so I used 50. 09:37:13 But when you look at the first-round 09:37:16 contracts that were issued, there was 12 for large 09:37:21 onshore, and of those 12, 10 have been built, so are 09:37:24 running; one was terminated; and one is in the REA 09:37:28 process still. 09:37:32 So, to me, that suggests that the OPA, 09:37:33 in their shovel-ready determination, did some form 09:37:36 of determination, but I don't I'm not privy to 09:37:39 that. 09:37:42 Q. Okay. And so so you're not 09:37:42 aware of whether or not or what test the OPA may 09:37:45 or may not have applied, but based on this provision 09:37:48 in in the FTT rules, you'd agree with me that the 09:37:51 OPA is disclaiming any responsibility for 09:37:53 undertaking such an assessment, wouldn't you? 09:37:56 A. And I'm not trying to be 09:38:00 argumentative, but I think there is a difference 09:38:01	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	all of the public record and from my experience with 09:38:10 developers was that it was the shovel-ready test for 09:38:13 the first-round. 09:38:16 And and so I that disclaimer is 09:38:17 what it is, but that's really for OPA to say. I 09:38:19 I don't have any insight into their inner workings. 09:38:23 Q. Okay. Now, I'd just like to ask 09:38:23 you to turn to Tab 12, which contains exhibit 09:38:33 C-0105. This is an excerpt from the Environmental 09:38:38 Protection Act, or EPA. And I would just like to 09:38:42 look at Section 47.5, which is on the front of the 09:38:47 fourth page in the excerpt. 09:38:51 This provision is called "Director's 09:38:53 powers." And in Subsection 47.5(1), it says 09:38:56 A. Sorry. 09:39:02 Q. Oh, sorry, I'll give you a moment. 09:39:03 [Pause] 09:39:04 A. It's 47.5? 09:39:04 Q. Yes, sorry if I misstated. 09:39:09 Q. "Director's powers." It states: 09:39:09 "After considering 09:39:11

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	Page 36		Page 37
1	may, if in his or her opinion, 09:39:18	1	in your presentation this morning, in terms of 09:40:19
2	it is in the public interest 09:39:20	2	the approvals not necessarily being guaranteed? 09:40:22
3	to do so (a) issue or renew 09:39:22	3	A. That's absolutely and 09:40:25
4	a Renewable Energy Approval or 09:39:24	4	consistent with my report, like, I tried to be as 09:40:27
5	(b) refuse to issue or renew a 09:39:26	5	clear as I could on the point that there is no right 09:40:31
6	Renewable Energy Approval." 09:39:31	6	to a REA. That's consistent with the evidence of 09:40:33
7	[As read] 09:39:34	7	your experts. What I did try and add, though, there 09:40:38
8	As I understand, the term "Director," 09:39:35	8	was my experience that there was this sea change of 09:40:41
9	it doesn't refer to one specific individual, but, 09:39:37	9	support for renewable energy. 09:40:46
10	rather, to individuals who have been appointed by 09:39:40	10	And so what has that meant? It's 09:40:47
11	the Minister of the Environment to exercise 09:39:42	11	meant that there has been an explosion of 09:40:49
12	delegated authority under the Act over these REA 09:39:45	12	development in Ontario post-2009, and it means that 09:40:51
13	applications. Is that correct? 09:39:48	13	those projects were moved through the REA process 09:40:54
14	A. That's correct. 09:39:49	14	in, I would say, a in an unprecedented moment of 09:40:58
15	Q. Okay. And this includes the 09:39:49	15	goodwill that was nice as a permitting lawyer, but 09:41:03
16	the power to decide on REA applications under 09:39:50	16	that that was that was the goal of the whole 09:41:08
17	this this section of the Act; correct? 09:39:52	17	program. 09:41:11
18	A. Correct. 09:39:54	18	Q. And looking at the next subsection 09:41:11
19	Q. And according to this statutory 09:39:55	19	called "Terms and conditions," it says that: 09:41:19
20	authority, the Director considers the application 09:39:59	20	"In issuing or renewing a 09:41:22
21	and decides whether or not, in his or her opinion, 09:40:02	21	Renewable Energy Approval, the 09:41:23
22	it is in the public interest to issue the REA. But 09:40:04	22	Director may impose terms and 09:41:27
23	you'll agree with me that there's nothing here that 09:40:11	23	conditions, if, in his or her 09:41:28
24	says that the Director must issue an REA, and I I 09:40:13	24	opinion, it is in the public 09:41:31
25	believe that's consistent with what you said in your 09:40:16	25	interest to do so." [As read] 09:41:34
	Page 38		Page 39
1	So I would like to confirm. We've 09:41:35	1	measures that are part of the REA. So the 09:42:40
2	agreed that there is no no right to an REA, and 09:41:38	2	mitigation measures that when you go through the 09:42:43
3	your opinion is that this political commitment was 09:41:40	3	REA process, we heard yesterday about all the 09:42:46
4	that all the projects that had been awarded FIT 09:41:43	4	technical reports you have to do. As you move 09:42:49
5	contracts could move through the process. But you 09:41:44	5	through that, you come up with a list, a bucket of 09:42:51
6	would agree with me that, based on that next 09:41:46	6	what the issues are that need to be reflected in the 09:42:53
7	subsection, the Director, when issuing the REA, can 09:41:48	7	permit, and so that's the last phase of the 09:42:56
8	impose different terms and conditions that might 09:41:54	8	permitting phase to move into the REA. 09:42:59
9	change somewhat the original project that the 09:41:56	9	Q. Now, just going back to Subsection 09:43:06
10	proponent had in mind, either by imposing operating 09:42:00	10	1 of that provision, when it says, "The REA will be 09:43:08
11	restrictions or restrictions on the location of the 09:42:03	11	issued if it's in the public interest," I believe 09:43:10
12	turbine, et cetera? 09:42:07	12	this term is not defined under the Act, but I'm sure 09:43:13
13	A. Yeah. And that's what we spend 09:42:09	13	you would agree with me that, in in making the 09:43:17
14	the bulk of our time doing is negotiating those 09:42:11	14	decision, the Director could consider the purpose of 09:43:20
15	terms and conditions. So the there's standard 09:42:13	15	part 5.0.1, which is the part on renewable energy; 09:43:25
16	terms and conditions that are set out, but then when 09:42:17	16	right? 09:43:30
17	you get into bats and birds and species at risk or 09:42:19	17	A. The sorry, I'm not sure I 09:43:31
18	any other issues or species of concern, siting of 09:42:23	18	understand. That they would they would 09:43:32
19	specific turbines, that's when you're you're 09:42:27	19	Q. That they would consider the 09:43:33
20	really getting into the weeds, so to speak, to more 09:42:28	20	purpose of the Act in terms of protecting the 09:43:34
21	through that. 09:42:31	21	environment and human health? 09:43:37
22	So those conditions, you know, they're 09:42:31	22	A. So that's correct. So they look 09:43:38
. , . ,		1 .).5	at their inviduation in their home - t-t-t- C- 00.42.40

09:42:33

09:42:35

23

24

25

at their jurisdiction in their home statute. So

interest has been issues in various review

they would -- the issue of what is in the public

09:43:40

09:43:47

09:43:44

generally the same for each project, but each

project is unique, and each project has its own

challenges that are then reflected in the mitigation 09:42:38

23

24

25

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1	Tribunals, so there is some consideration of that, 09:43:49	1	issue an REA, and that's at I've included the 09:44:39
2	but it's not defined. You're correct. 09:43:51	2	Environmental Assessment Act excerpt at Tab 13 of 09:44:42
3	Q. Okay. And I just if we can 09:43:55	3	your binder. For the record, this is Exhibit 09:44:47
4	turn back one page to where it says "Part 5.0.1 09:43:58	4	R-0005. 09:44:51
5	Renewable Energy." 09:44:03	5	And the definition of environment is 09:44:51
6	A. Give it to me again, sorry. 09:44:06	6	on the the second page that I've included in the 09:44:58
7	Q. "Part 5.0.1 Renewable Energy." It 09:44:07	7	excerpt, in Section 1. And you will see it refers 09:45:01
8	starts at Section 09:44:13	8	to not only air, land, or water, plant and animal 09:45:07
9	A. Oh, you mean a section, yes. 09:44:13	9	life, including human life, but also in Subsection 09:45:10
10	Q 47.1. 09:44:13	10	(c), the social, economic, and cultural conditions 09:45:13
11	Just below that purpose, it says: 09:44:13	11	that influence the life of humans or a community. 09:45:17
12	"The purpose of this part is 09:44:17	12	And then it goes on. 09:45:20
13	to provide for protection and 09:44:19	13	So I'd just like to confirm, in your 09:45:21
14	conservation of the 09:44:22	14	opinion, you'd agree with me that, when we're 09:45:23
15	environment." [As read] 09:44:23	15	considering what's in the public interest for the 09:45:26
16	And then in the provision above: 09:44:24	16	purpose of protecting the environment in the REA 09:45:28
17	"Environment has the same 09:44:26	17	process, it goes beyond just the natural 09:45:31
18	meaning as in the 09:44:28	18	environment, per se, to include these other, I 09:45:33
19	Environmental Assessment Act." 09:44:28	19	guess, broader considerations? 09:45:38
20	[As read] 09:44:31	20	A. So, when the Minister or the 09:45:39
21	So I'd I'd just like to take a look 09:44:31	21	Director is making a decision under the 09:45:42
22	at how how the MOE considers the environment for 09:44:34	22	Environmental Assessment Act, where we used to be 09:45:45
23	the purposes 09:44:36	23	under when we were approving the project, so prior 09:45:47
24	A. Right. 09:44:36	24	to 2009, the projects would go through the 09:45:50
25	Q of deciding whether or not to 09:44:36	25	Environmental Assessment Act, and that process used 09:45:52
	Page 42		Page 43
1	that definition. And so, in REA, they took the 09:45:55	1	A. Thank you. 09:46:56
2	EA EAA definition of environment, so I agree 09:45:59	2	Q. Just to say that the beds of most 09:46:59
3	that's the definition that's used. 09:46:04	3	lakes and rivers are Crown lands, managed by the 09:47:01
4	Q. Okay. And so if we consider the 09:46:05	4	MNR, under the Public Lands Act. You said that in 09:47:04
5	Director's decision whether or not to issue an REA, 09:46:10	5	your report? 09:47:08
6	it would take into account presumably not only just 09:46:12	6	A. That's correct. 09:47:08
7	the the natural environment, but these other 09:46:15	7	Q. And this includes the bed of Lake 09:47:09
8	considerations in the definition of the environment 09:46:18	8	Ontario where the Claimant proposed to site its 09:47:11
9	as well? 09:46:20	9	project? 09:47:15
10	A. In the approval of any project, 09:46:21	10	A. That's correct. 09:47:16
11	subject to the EA, so whether it's a mine or a road 09:46:22	11	Q. Okay. And so the proponent must 09:47:16
12	or whatever it may be, that's the definition of 09:46:26	12	obtain, through the MNR, permission to use Crown 09:47:19
13	environment they use and have used for decades. 09:46:28	13	land for the purpose of developing its project. And 09:47:21
14	Q. And by incorporation under this 09:46:32	14	I think you'd agree with me, based on my review of 09:47:24
15	part of the EPA? 09:46:34	15	your report, that the Minister's power over Crown 09:47:28
16	A. Right. That's correct. 09:46:36	16	lands is is a discretionary power; correct? 09:47:33
17	Q. Okay. Now I'd like to discuss one 09:46:37	17	A. That's correct. And I set out in 09:47:36
18	specific area of permitting, which is obtaining 09:46:39	18	my report, you know, our client's experience with 09:47:38
19	access to a proposed project site. As you said in 09:46:41	19	that, because and I and I tried to explain 09:47:41
20	your report, the beds of most of the lakes and 09:46:45	20	because it will be, I suspect, somewhat different 09:47:45
21	rivers in Ontario are Crown lands managed by 09:46:48	21	than other jurisdictions. 09:47:47
22	Ontario's Ministry of Natural Resources, or MNR, 09:46:51	22	The the issue with respect to 09:47:49
23	pursuant to the Public Lands Act; correct? 09:46:53	23	tenure is one that's difficult, and for hydro, it's 09:47:53
24	A. Sorry. I 09:46:56	24	typically what we you know, as we've been 09:47:58
25	Q. Oh, sorry, I'll repeat. 09:46:56	25	building out hydro projects, tenure is a process 09:48:00

Page 44 Page 45 1 1 that you have to go through. And I -- I explain 09:48:04 09:49:12 that they had applied through the site release 2 2 that process, and I explain the development risk in 09:48:06 process. 09:49:15 3 3 09:49:15 that process in my process -- in my reports. 09:48:08 A. Right. 4 4 Q. But they still had to complete And that informed me to try and 09:48:12 09:49:15 5 5 that -- that process; correct? understand how this process would work. The 09:48:14 09:49:17 6 6 difference there was -- notwithstanding the goodwill 09:48:16 A. That's correct. And I tried to 09:49:18 7 7 that I talked about, the difference was that the 09:48:21 set out in my report how that happens. 09:49:19 8 gating concept that I tried to set out was different 09:48:23 8 Q. Absolutely. And you'll -- I 09:49:21 9 9 because, before, you wouldn't have been going in and 09:48:26 appreciate that you have -- you have set out all 09:49:25 10 10 talking about your project until you had that land 09:48:29 that in your report. And you'll bear with me. 11 11 tenure, but the -- the Ministry of Energy, through 09:48:32 We're talking both about, you know, expectations -- 09:49:32 12 12 its program, kind of flipped that on its head. And 09:48:35 A. Right. 09:49:35 13 we heard a little bit about that yesterday. 13 Q. -- and -- and also what's, you 09:48:38 14 So until you had your FIT contract, 09:48:39 14 know, the -- the strictly legal versus what would 09:49:37 15 15 they were using the FIT contract to weed out all of 09:48:42 have been reasonable to assume. So just -- just 09:49:41 16 16 these projects. And so until you had that FIT 09:48:46 bear with me. 17 17 contract, they weren't going to go through that 09:48:49 So it's possible, then -- you would 09:49:53 18 process. So I agree. You have to -- it is -- you 09:48:52 18 agree with me that there's no real right, then, for 09:49:54 19 have to get tenure, and tenure is something that 19 a -- an Applicant to be granted access to Crown land 09:49:58 09:48:53 20 20 would come after you get the FIT project -- FIT for the purpose of developing a proposed wind 09:50:01 09:48:55 21 21 contract in this program, which is a little bit 09:48:57 project, even though you say it might have been 09:50:03 22 22 09:48:59 reasonable for them to assume that they would get 09:50:06 unique. 23 23 Q. And as I understand it, the OPA 09:49:00 it? There's no legal right for them to have access 09:50:08 24 24 actually deemed applicants to have site access so as 09:49:03 to that Crown land: correct? 09:50:10 25 25 long as they had this letter from MNR confirming A. So your question is: Is -- is 09:50:12 Page 46 Page 47 1 1 there an absolute right to access? No. 09:50:14 is that, even if the deferral had not been adopted, 09:51:19 2 2 Q. Okay. So it's not possible to 09:50:17 it's still possible they would not have obtained 09:51:24 3 3 conclude with any certainty that, if the deferral 09:50:20 access to the -- to the site? 4 had not been adopted, the Claimant would have been 09:50:23 4 A. That's absolutely conceivable, and 09:51:29 5 granted access to the Crown land to develop its 09:50:26 5 I -- and, again, to be fair, I tried to say that in 09:51:30 6 project --6 the report. That -- that process is why I have 7 7 a whole bunch of grey hair and why I actually have 09:51:35 A. Sorry, give me that one again. 8 8 Q. Sorry, stating a double negative. 09:50:31 phoned people --09:51:39 9 9 It's not possible to conclude with any 09:50:33 O. I didn't notice any. 09:51:40 10 10 certainty that the -- if the deferral had not been 09:50:35 A. -- at their cottages who work at 09:51:42 11 11 adopted, the Claimant would have obtained access to 09:50:38 the MNR on summer vacation trying to get through 09:51:44 12 12 Crown land for the purpose of developing its 09:50:41 that process. So I send Christmas cards on a 09:51:46 13 13 project? 09:50:43 regular basis to everybody at the MNR because it's 09:51:49 14 14 A. Sorry, I'm left-handed, so I'm 09:50:44 such a cumbersome process. But I tried to set that 09:51:51 15 going to unpack that a bit. Is the question that: 09:50:45 15 out. I guess what my opinion is, though, more 09:51:55 16 16 Pretend there is no moratorium. There would be no 09:50:49 likely than not, I think it's a reasonable 09:51:58 17 17 guarantee that our client could have moved 09:50:53 assumption that you could have got through that 09:52:01 18 18 through -- through -- Windstream could have moved 09:50:55 process. 09:52:03 19 19 through to get the -- the land use permit to do the 09:50:57 And that, partly, is to do -- and 09:52:03 20 20 testing and then move forward to actually get the 09:51:01 I try to inform all of my opinion through that 09:52:05 21 21 goodwill concept, and so that's where I got -- but 09:52:08 crown licence? That's the question? 09:51:04 22 22 I'm not trying to tell you -- and I hope it was Q. I'm talking more about the outcome 09:51:06 09:52:11 23 23 of the process, because as I understand, it's your 09:51:08 clear that it's not a done deal. 09:52:13 24 24 opinion that they could have reasonably expected to 09:51:11 Q. Yes, thank you. I'm just -- you 09:52:16 25 25 obtain Crown land. And what I'm just putting to you 09:51:15 know, I'd just like to go through some of these 09:52:18

	Page 48		Page 49
1	points for the benefit of the Tribunal today. 09:52:22	1	their documents. 09:53:26
2	So in terms of this discretionary 09:52:25	2	Q. But this is the 2008 version of 09:53:28
3	power over Crown land, you mentioned in your report 09:52:28	3	the policy? 09:53:29
4	that there are policies to service guidelines as to 09:52:30	4	A. Yes. 09:53:30
5	how it will be exercised, and you specifically 09:52:33	5	Q. And so this was the version of the 09:53:30
6	referred to policy PL4.10.04. Now I've included 09:52:36	6	policy that was in force when the Claimant filed its 09:53:33
7	this policy at Tab 2 of your binder. 09:52:42	7	applications for Crown land with MNR, based on the 09:53:38
8	A. Correct. 09:52:45	8	assumptions set out in your report; correct? 09:53:42
9	Q. For the record, it's Exhibit 09:52:45	9	A. Correct. 09:53:45
10	C-0060. And it's titled: 09:52:48	10	Q. Okay. I'd just like to take you 09:53:45
11	"Wind power site release and 09:52:54	11	through a few of the provisions of these policies. 09:53:48
12	development review Crown 09:52:57	12	If we turn to page 6, at the top of the page, it 09:53:52
13	land." [As read] 09:52:59	13	states: 09:54:01
14	And the right-hand corner indicates 09:52:59	14	"An Applicant of Record will 09:54:01
15	that this is the version of the policy issued 09:53:02	15	be awarded the opportunity to 09:54:03
16	January 28, 2008. Do you see that? 09:53:04	16	proceed through the 09:54:04
17	A. The one that's dated April 1, 09:53:12	17	environmental assessment 09:54:04
18	2005? 09:53:16	18	processes and apply for the 09:54:05
19	Q. It says above that, "Date issued." 09:53:16	19	necessary approvals for the 09:54:08
20	A. Yeah. 09:53:18	20	development of a wind farm. 09:54:09
21	Q. And I believe the April 1 date is 09:53:19	21	There are no rights or tenure 09:54:10
22	the the previous version that this one replaces. 09:53:20	22	associated with Applicant of 09:54:11
23	A. Right. 09:53:22	23	Record status." [As read] 09:54:12
24	Q. So, this is the January 2008 09:53:23	24	And I'd just like to it's a highly 09:54:14
25	A. But they have rolling dates on 09:53:25	25	sort of technical term, so maybe we can also turn to 09:54:18
	Page 50		Page 51
1	page 1 where this term "Applicant of Record" is 09:54:22	1	when the Claimant filed its Crown land applications; 09:55:28
2	defined in the second definition. The policy 09:54:25	2	correct? 09:55:31
3	defined Applicant of Record as: 09:54:32	3	A. Correct. 09:55:32
4	"The individual, community, 09:54:34	4	Q. And just so the Tribunal is aware 09:55:34
5	company, including aboriginal 09:54:36	5	of how this relates to the policy we just looked at, 09:55:36
6	community, that is awarded an 09:54:38	6	in the first paragraph, it states that the: 09:55:38
7	opportunity through a site 09:54:39	7	"Purpose of this procedure is 09:55:41
8	release process to pursue 09:54:40	8	to provide procedural 09:55:42
9	required approvals and permits 09:54:42	9	direction to implement the 09:55:44
10	for the development of a wind 09:54:44	10	policy." [As read] 09:55:45
11	farm." [As read] 09:54:45	11	Correct? So these should be 09:55:45
12	So and you went through this 09:54:45	12	considered together. Is that right? 09:55:47
13	process in your report in some detail. But as 09:54:48	13	A. Sorry, you are asking me if 09:55:50
14	I understand it, the the policy that was set out 09:54:54	14	Q. These the procedure is intended 09:55:52
15	required the developer to obtain this Applicant of 09:54:57	15	to implement the policy that we just looked at? 09:55:54
16	Record status first, through which it could then 09:54:59	16	A. Right, provide guidance. 09:55:57
17	pursue the approvals and permits required to develop 09:55:02	17	Q. Okay. So further down the page, 09:55:58
18	the wind project; is that correct? 09:55:05	18	under Section 1.3 "Stages of Site Release," it 09:56:00
19	A. Correct. 09:55:07	19	refers to three separate and distinct stages to the 09:56:06
20	Q. Okay. And now I've also included 09:55:07	20	Crown land release process, the stages being wind 09:56:09
21	at Tab 3, the companion procedure to this policy. 09:55:09	21	power testing and application review, wind power 09:56:15
22	For the record, it's exhibit C-0059, MNR Procedure 09:55:13	22	development review, and issuance of permits and 09:56:19
23	PL4.10.04. 09:55:20	23	tenure for the development of a wind farm on Crown 09:56:21
24	And you'll see, again, that this one's 09:55:21	24	land. 09:56:23
25	dated January 28, 2008. So it was also in force 09:55:24	25	So, as I understand it, the Applicant 09:56:23

	Page 52		Page 53
1	of Record status requires two stages. You complete 09:56:26	1	Q it would be a delegated 09:57:32
2	these two stages of site release, you get Applicant 09:56:31	2	discretionary decision. Is that correct? 09:57:35
3	of Record, and then once you have that, you can 09:56:34	3	A. Right. The crown lease, though, 09:57:38
4	apply for your permits and tenure to construct the 09:56:36	4	which is the ultimate Holy Grail, that that 09:57:39
5	wind project. Is that how the process works? 09:56:40	5	process, that is at the discretion of the Minister 09:57:42
6	A. That's how it worked at the time. 09:56:43	6	and signed by the Minister, and that's the grey 09:57:46
7	Q. Right. Sorry, based on the 2008 09:56:45	7	hair. 09:57:48
8	policy when Windstream applied for Crown land? 09:56:48	8	But the the LUP, I don't think is. 09:57:48
9	A. Yes. 09:56:51	9	So I'm sorry. I don't know that off 09:57:53
10	Q. And the Minister's discretion over 09:56:51	10	the top of my head. I don't know if that's the 09:57:55
11	the management and disposition of Crown lands that 09:56:56	11	same. 09:57:57
12	we discussed, it would've applied at all three 09:56:59	12	Sorry, when I say "LUP," I mean land 09:58:03
13	stages of this process. So at each of those three 09:57:01	13	use permit. 09:58:07
14	decision points, the discretion would have been 09:57:03	14	Q. Okay. I'd just like to take a 09:58:09
15	exercised as to whether or not to allow the the 09:57:07	15	look at a few of the assumptions that you set out in 09:58:10
16	Applicant to move forward. Is that correct? 09:57:09	16	your report. They are at Appendix B, just towards 09:58:15
17	A. For a Crown lease, I actually 09:57:14	17	the end. You stated in paragraph (c) that, by 09:58:24
18	don't know if the land use permit is subject to the 09:57:16	18	letter dated September 24, 2009 MNR - 09:58:30
19	Minister's discretion. I'm sorry. Certainly the 09:57:18	19	MR. BISHOP: What report are we 09:58:33
20	Crown lease is subject to discretion. I think the 09:57:22	20	talking about? The first report? 09:58:33
21	land use permit may be delegated, but I don't know 09:57:24	21	MS. WATES: Yes, I'm sorry. The 09:58:37
22	that off the top of my head. 09:57:30	22	first report, Mr. Bishop. 09:58:40
23	Q. But I guess even if it is 09:57:32	23	BY MS. WATES: 09:58:41
24	delegated 09:57:32	24	Q. So Appendix B of the first report. 09:58:41
25	A. For the first stage 09:57:32	25	In paragraph (c) you stated that: 09:58:45
	Page 54		Page 55
1	"By letter dated September 24, 09:58:46	1 1	FA 17 00.50.42
		1	[As read] 09:59:42
2	2009, MNR advised WWIS that it 09:58:48	2	And then in the next paragraph, it 09:59:42
3	would have to submit an 09:58:51	2 3	And then in the next paragraph, it 09:59:42 states: 09:59:43
3 4	would have to submit an 09:58:51 application for a FIT contract 09:58:52	2 3 4	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44
3 4 5	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54	2 3 4 5	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46
3 4 5 6	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57	2 3 4 5 6	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47
3 4 5 6 7	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58	2 3 4 5 6 7	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48
3 4 5 6 7 8	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01	2 3 4 5 6 7 8	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50
3 4 5 6 7 8 9	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04	2 3 4 5 6 7 8	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51
3 4 5 6 7 8 9	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04	2 3 4 5 6 7 8 9	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52
3 4 5 6 7 8 9 10	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07	2 3 4 5 6 7 8 9 10	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55
3 4 5 6 7 8 9 10 11 12	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13	2 3 4 5 6 7 8 9 10 11 12	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56
3 4 5 6 7 8 9 10 11 12 13	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16	2 3 4 5 6 7 8 9 10 11 12 13	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57
3 4 5 6 7 8 9 10 11 12 13 14	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17	2 3 4 5 6 7 8 9 10 11 12 13 14	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the — the effect of this letter, you would 09:59:58
3 4 5 6 7 8 9 10 11 12 13 14 15	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17 Resources to Ian Baines of Windstream, or Ontario 09:59:18	2 3 4 5 6 7 8 9 10 11 12 13 14 15	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the the effect of this letter, you would 09:59:58 agree with me that certainly what's what's stated 10:00:00
3 4 5 6 7 8 9 10 11 12 13 14 15 16	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17 Resources to Ian Baines of Windstream, or Ontario 09:59:18 Clean Power, as it was then called, dated September 09:59:22	2 3 4 5 6 7 8 9 10 11 12 13 14 15	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:58 agree with me that certainly what's — what's stated 10:00:00 is — is preserving the discretionary power that 10:00:05
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17 Resources to Ian Baines of Windstream, or Ontario 09:59:18 Clean Power, as it was then called, dated September 09:59:22 24, 2009. 09:59:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:58 agree with me that certainly what's — what's stated 10:00:00 is — is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	would have to submit an 09:58:51 application for a FIT contract 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17 Resources to Ian Baines of Windstream, or Ontario 09:59:18 Clean Power, as it was then called, dated September 09:59:22 24, 2009. 09:59:25 Now, looking at the second-last 09:59:28	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the — the effect of this letter, you would 09:59:58 agree with me that certainly what's — what's stated 10:00:00 is — is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09 site release process and ultimately the land tenure 10:00:13
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	would have to submit an	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the — the effect of this letter, you would 09:59:58 agree with me that certainly what's — what's stated 10:00:00 is — is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09 site release process and ultimately the land tenure 10:00:13 process at the end of the project. Is that your 10:00:17
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	would have to submit an	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the the effect of this letter, you would 09:59:58 agree with me that certainly what's what's stated 10:00:00 is is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09 site release process and ultimately the land tenure 10:00:13 process at the end of the project. Is that your 10:00:17 opinion? 10:00:19
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	would have to submit an	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the the effect of this letter, you would 09:59:58 agree with me that certainly what's what's stated 10:00:00 is is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09 site release process and ultimately the land tenure 10:00:13 process at the end of the project. Is that your 10:00:17 opinion? 10:00:19 A. It is the Minister's discretion to 10:00:20
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	would have to submit an application for a FIT contract 09:58:51 within the OPA's initial FIT 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17 Resources to Ian Baines of Windstream, or Ontario 09:59:18 Clean Power, as it was then called, dated September 09:59:22 24, 2009. 09:59:25 Now, looking at the second-last 09:59:28 paragraph on the first page, it states that: 09:59:29 "The letter and the attached 09:59:32 mapping information do not in 09:59:35 any way constitute any 09:59:38 commitment, obligation, or 09:59:38 approval of your project by 09:59:40	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the the effect of this letter, you would 09:59:58 agree with me that certainly what's what's stated 10:00:00 is is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09 site release process and ultimately the land tenure 10:00:13 process at the end of the project. Is that your 10:00:17 opinion? 10:00:19 A. It is the Minister's discretion to 10:00:20 ultimately enter into the Crown lease. 10:00:24 letter that was sent to Windstream changes that 10:00:24
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	would have to submit an application for a FIT contract 09:58:51 within the OPA's initial FIT 09:58:52 within the OPA's initial FIT 09:58:54 application period in order 09:58:57 for WWIS to obtain the 09:58:58 priority position of its AOR 09:59:01 application." [As read] 09:59:04 And I believe here you're referring to 09:59:04 Exhibit C-0114, which I've included at Tab 4 of your 09:59:07 binder. I'd like to take a look at this letter with 09:59:13 you. 09:59:16 It's from the Minister of Natural 09:59:17 Resources to Ian Baines of Windstream, or Ontario 09:59:18 Clean Power, as it was then called, dated September 09:59:22 24, 2009. 09:59:25 Now, looking at the second-last 09:59:28 paragraph on the first page, it states that: 09:59:32 mapping information do not in 09:59:35 any way constitute any 09:59:36 commitment, obligation, or 09:59:38	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	And then in the next paragraph, it 09:59:42 states: 09:59:43 "This letter does not 09:59:44 authorize any activity, work 09:59:46 or undertaking and does not 09:59:47 grant any right to enter onto 09:59:48 Crown land without first 09:59:50 obtaining the Crown's consent, 09:59:51 nor does it authorize the 09:59:52 infringement of the rights of 09:59:55 the Crown." 09:59:56 So just in terms of when we're talking 09:59:57 about the the effect of this letter, you would 09:59:58 agree with me that certainly what's what's stated 10:00:00 is is preserving the discretionary power that 10:00:05 we've talked about to decide on these phases of the 10:00:09 site release process and ultimately the land tenure 10:00:13 process at the end of the project. Is that your 10:00:17 opinion? 10:00:19 A. It is the Minister's discretion to 10:00:20 ultimately enter into the Crown lease. 10:00:22 Q. And nothing in nothing in this 10:00:24

	Page 56		Page 57
1	grant the Crown land lease? 10:00:32	1	A. So I'm assuming this was a 10:02:18
2	A. I admit that I will just to have 10:00:35	2	standard letter that was sent to all AOR holders at 10:02:19
3	to read it. 10:00:36	3	the time. 10:02:23
4	Q. Yes, please do. 10:00:37	4	Q. And priority priority of 10:02:23
5	A. Correct. So this letter just 10:01:24	5	application is referring to vis-a-vis other 10:02:24
6	my take on this letter was just to confirm the 10:01:24	6	applications; correct? 10:02:27
7	policy that we had understood from the OPA that they 10:01:26	7	A. Right. I mean, if there was a 10:02:28
8	would as you said, they would deem the AOR letter 10:01:29	8	competing claim. I don't know anything about it 10:02:31
9	to be sufficient to submit. So this was, I think, 10:01:33	9	specifically, but if there was a competing claim 10:02:33
10	notifying that they had to do that to move forward. 10:01:36	10	to to where you're where you would be in the 10:02:37
11	Q. Okay. So they had to apply to 10:01:39	11	priority list. 10:02:39
12	maintain their Applicant of Record priority and move 10:01:44	12	Q. Okay. And now just looking back 10:02:43
13	forward through both processes. Sorry, go ahead. 10:01:48	13	at Appendix D in paragraph (d), you mentioned a 10:02:45
14	A. No, sorry. I was just going to 10:01:54	14	letter dated November 24, 2009, by which the MNR 10:02:51
15	say it's the priority too, and and the developer 10:01:56	15	advised WWIS and the broader regulated community 10:02:54
16	know this better than the lawyers. But it's it's 10:01:58	16	that existing Crown land applicants that were 10:02:57
17	the how you get access to certain pieces of land. 10:02:00	17	awarded FIT contracts by the OPA would be given the 10:03:00
18	And so what she's saying there, the Minister is 10:02:02	18	highest priority to Crown land sites that applied 10:03:03
19	saying, is that to maintain your priority, you have 10:02:05	19	for and would receive priority attention from MNR, 10:03:06
20	to you have to go into the FIT program. 10:02:07	20	and I believe here you're refusing you're 10:03:09
21	And then what I understood is that the 10:02:08	21	referring to Exhibit C-0158, which I've included at 10:03:11
22	FIT program would then weed out you know, because 10:02:11	22	Tab 5 of your binder. 10:03:17
23	of the whack of huge number of applications that 10:02:14	23	This is a letter from Rosalyn Lawrence 10:03:21
24	they had. 10:02:17	24	of the MNR to the president of the Canadian Wind 10:03:23
25	Q. Right. 10:02:18	25	Energy Association, or CanWEA, and on the last page, 10:03:24
1	Page 58 the first paragraph states: 10:03:28	1	Page 59 And it showed that that filtered down 10:04:39
2	"To provide greater certainty 10:03:35	2	from the Ministry of Energy to the Ministry of 10:04:42
3	for your members, I would like 10:03:37	3	Natural Resources, because often in permitting, you 10:04:45
4	to take this opportunity to 10:03:38	4	have silos and what you are trying to do as a 10:04:47
5	clarify for CanWEA and its 10:03:39	5	developer and as a permitting lawyer is to break 10:04:50
6	members that an application 10:03:42	6	down those silos and try and get at all people 10:04:52
7	for Crown land does not create 10:03:42	7	pulling together. 10:04:56
8	a legal entitlement or confer 10:03:45	8	And so I thought the reason I think 10:04:57
9	rights." [As read] 10:03:46	9	I cited these was, to me, was not that and I 10:04:59
10	So, again, as with the last letter, I 10:03:47	10	don't take issue with it I think I tried to 10:05:06
11	just want to confirm, in terms of its effect, this 10:03:49	11	don't take issue with it I think I tried to 10:05:06 clarify that that in my opinion but was really 10:05:08
11 12	just want to confirm, in terms of its effect, this 10:03:49 wouldn't have any impact on the Crown's discretion 10:03:54	11 12	don't take issue with it I think I tried to 10:05:06 clarify that that in my opinion but was really 10:05:08 the concept of that they would have priority. 10:05:12
11 12 13	just want to confirm, in terms of its effect, this 10:03:49 wouldn't have any impact on the Crown's discretion 10:03:54 of whether or not to issue a land lease for a 10:03:59	11 12 13	don't take issue with it I think I tried to 10:05:06 clarify that that in my opinion but was really 10:05:08 the concept of that they would have priority. 10:05:12 Q. Okay. And I'd just like to take 10:05:14
11 12 13 14	just want to confirm, in terms of its effect, this 10:03:49 wouldn't have any impact on the Crown's discretion 10:03:54 of whether or not to issue a land lease for a 10:03:59 project, particularly considering that it's 10:04:03	11 12 13 14	don't take issue with it I think I tried to 10:05:06 clarify that that in my opinion but was really 10:05:08 the concept of that they would have priority. 10:05:12 Q. Okay. And I'd just like to take 10:05:14 you to page 40 of your first report. In the first 10:05:15
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11 12 13 14 15 16 17 18 19 20 21 22 23	just want to confirm, in terms of its effect, this 10:03:49 wouldn't have any impact on the Crown's discretion 10:03:54 of whether or not to issue a land lease for a 10:03:59 project, particularly considering that it's 10:04:03 addressed to CanWEA and not to a specific proponent; 10:04:09 correct? 10:04:14 A. That's correct. It goes again, 10:04:14 why I thought these letters were important and why I 10:04:16 based my opinion on them is it was to try and give 10:04:17 the reader the context. And the context again was 10:04:23 the goodwill that was there, especially in a process 10:04:28 like land tenure that can be cumbersome. So what 10:04:31 what I thought was informative about this is that it 10:04:34	11 12 13 14 15 16 17 18 19 20 21 22 23	don't take issue with it — I think I tried to 10:05:06 clarify that that in my opinion — but was really 10:05:08 the concept of that they would have priority. 10:05:12 Q. Okay. And I'd just like to take 10:05:14 you to page 40 of your first report. In the first 10:05:15 paragraph there, the last two sentences, you stated: 10:05:23 "To facilitate the project 10:05:30 finance process, the MNR has 10:05:32 been amenable to —" 10:05:34 A. Sorry, did you say paragraph 40? 10:05:36 Q. Page 40. 10:05:39 Q. Page 40. It's in the end of 10:05:40 paragraph 110. 10:05:40
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	Page 60		Page 61
1	"To facilitate the project 10:05:45	1	Crown lease until you have your as-builts, it 10:06:38
2	finance process, the MNR has 10:05:47	2	doesn't work. 10:06:40
3	also been amenable to 10:05:49	3	And so what we've developed on the 10:06:41
4	providing comprehensive 10:05:51	4	wind on the water side is comprehensive comfort 10:06:43
5	comfort letters to developers 10:05:53	5	letters, which actually say it's a it doesn't 10:06:45
6	and lenders to indicate the 10:05:54	6	bind, because again it's a discretionary, but it 10:06:49
7	Crown's commitment to the 10:05:55	7	says, "Based on all of these documents," and you 10:06:51
8	issuance of future tenure. 10:05:57	8	have all the tenure documents sitting like this. 10:06:53
9	Based on your experience, 10:05:59	9	We we will submit this to the Minister officer 10:06:55
10	these have now become standard 10:06:00	10	like that. 10:06:59
11	practice in the water power 10:06:03	11	And all I was trying to point out by 10:07:00
12	sector." [As read] 10:06:05	12	that is that because this process is can be 10:07:02
13	But I'd just like to confirm in terms 10:06:06	13	difficult, we have pragmatically come up with ways 10:07:05
14	of the expectations that can be created by the 10:06:09	14	to try and make lenders comfortable and the MNR, 10:07:09
15	letters we've looked at. They wouldn't they're 10:06:12	15	even prior to FIT, worked with us to try and make 10:07:12
16	not the type of comprehensive comfort letter that 10:06:15	16	financing possible on the large water. 10:07:15
17	you're talking about in that that paragraph 10:06:18	17	So that, I agree, and I didn't mean to 10:07:19
18	there; is that correct? 10:06:20	18	suggest that those letters were that, if that's how 10:07:21
19	A. No, that's correct. What I was 10:06:20	19	you took it. 10:07:23
20	talking about there is, when you're actually trying 10:06:22	20	Q. No, no. And I didn't mean to 10:07:24
21	to move to the crown lease stage, it can get 10:06:24	21	suggest that you had suggested that also. I'm just 10:07:24
22	complicated, because to get the crown lease you need 10:06:27	22	trying to establish. 10:07:27
23	As-builts typically, and it's if you can't get 10:06:29	23	A. Yeah. 10:07:29
24	your financing if a condition precedent to your 10:06:32	24	Q. But just basically distinguishing 10:07:29
25	financing is a Crown lease and you can't get your 10:06:35	25	between the types of letters that you were 10:07:31
	Page 62		Page 63
1	describing that would be potentially obtained in 10:07:33	1	finalize the approach and the 10:08:37
2	the for the purposes of financing. 10:07:34	2	offshore wind specific 10:08:39
3	A. Right. 10:07:37	3	requirements under the REA 10:08:40
4	Q. And these letters for 10:07:37	4	regulation." [As read] 10:08:41
5	I understand that that you wouldn't be able to, 10:07:39	5	And so my question is I appreciate 10:08:43
6	you know, finance the project on the strength of 10:07:41	6	that you set out the opinion in your report that the 10:08:50
7	these letters? 10:07:44	7	regulatory framework had been established through 10:08:54
8	A. No. 10:07:45	8	the REA regulation and the the APRD, MNR's 10:08:56
9	Q. Okay. I'd now like to ask about 10:07:47	9	approvals and permitting requirements document, but 10:09:02
10	the Ontario Government's policy proposals related to 10:07:50	10	in terms of what the regulated community would have 10:09:05
11	offshore wind development in 2010. If we can turn 10:07:54	11	understood from this posting, it's clear that the 10:09:08
12	to Tab 7. For the record, this is Exhibit R-0118, 10:07:57	12	government was still finalizing what it wanted its 10:09:11
13	MOE's policy proposal notice, published on 10:08:05	13	approach to be for regulating offshore wind projects 10:09:14
14	June 25th, 2010. In the second paragraph of the 10:08:11	14	and technology-specific requirements. Wouldn't you 10:09:18
15	posting, it states that: 10:08:18	15	agree? 10:09:23
16	"Partner ministries are 10:08:21	16	A. I think this is where I have 10:09:23
17	working together to provide 10:08:23	17	a philosophical difference with your experts, and 10:09:24
18	greater certainty and clarity 10:08:24	18	I've tried to set it out as clearly and fairly as 10:09:28
19	on offshore wind requirements. 10:08:25	19	I can. 10:09:31
20	The Ontario Government is 10:08:27	20	My experience and my client's 10:09:32
20		21	experience was certainly, when we were going through 10:09:33
21	proposing an approach and is 10:08:28		
	proposing an approach and is 10:08:28 seeking input from interested 10:08:29	22	this process more generally, I had understood, and 10:09:38
21			
21 22	seeking input from interested 10:08:29	22	this process more generally, I had understood, and 10:09:38

Page 64 Page 65 1 1 one year, in the June 2009 issuance of the proposed 10:09:50 talked about, and it, in the proposed regulation, 2 2 Regs for REA, it talked about -- and I think quite 10:09:54 talked about, on noise, that you, developer, would 10:11:07 3 3 clearly -- and then the REA Reg that comes out in 10:09:57 have to do your site-specific. 10:11:11 4 4 10:11:13 September, when you go through that process from So, again, when we read these 5 5 June 2009 through to September 2009, it was quite 10:10:03 documents, I read them very differently than your - 10:11:15 6 6 from the folks from the Ministry. And I read it clear that it was going to be an EA-like process. 10:10:09 7 7 And what I mean by that is that, for 10:10:12 from a -- what was on the public record and what we 10:11:21 8 noise, which was really driving setback, remember 10:10:14 8 understood in public consultation. 10:11:24 9 9 that -- and this is why -- and, sorry, if this isn't 10:10:17 Q. Okay. 10:11:26 10 10 your question -- but I'm trying to give the context 10:10:21 A. And that, just to be clear, that 10:11:26 11 11 of where I was at. But the noise is what really 10:10:23 was -- that was not that it was a prescriptive 12 12 front-end process. We understood the -- the table, 10:11:32 drove setback, in my experience, at least 10:10:26 13 technically, maybe not politically. I have no 13 Item 12 of Table 1, or whatever it is in the Reg, 10:10:30 10:11:36 14 insight into the politics, but what was driving it 10:10:33 14 that sets out the offshore report, to be an EA 10:11:39 15 15 was the -- the noise issue. 10:10:37 concept. 10:11:42 16 16 And noise, remember, in the EA 10:10:38 Q. Okay. And I -- I appreciate that, 10:11:42 17 17 process, which predated, so the pre-GEA world, when 10:10:39 but I guess my question is more in -- aside from 10:11:44 18 you didn't go through REA, but you went through the 10:10:43 18 what's actually in the regulation right now. 10:11:50 19 Environmental Assessment Act, you had to essentially 10:10:45 19 A. Right. 10:11:51 20 20 do your own noise modelling to confirm that there 10:10:48 Q. Or at that time. In this posting 10:11:52 21 21 was no adverse impact to health. 10:10:52 that was made on June 25, 2010, I mean, it -- it 22 22 clearly states that it would inform the work that And so, on that front, when we were 10:10:54 10:11:59 23 23 moving through this, we were looking at this with a 10:10:56 will be completed to finalize the approach and 10:12:02 24 24 lens of, "What is REA doing for offshore?" And what 10:10:58 offshore wind-specific requirements. 10:12:05 25 25 it did was it added in the offshore report, which I 10:11:03 And then it goes on to state: 10:12:08 Page 66 Page 67 1 1 "This will be supplemented by 10:12:09 this is what I believe the regulated community 10:13:02 2 2 the outcome of research 10:12:11 understood. It was not a static process. We were 10:13:05 3 3 underway and will be the 10:12:12 moving fast and furious, and the goal of a standard 10:13:08 subject of subsequent 10:12:13 4 offer process and the REA was standardized setbacks. 10:13:10 5 environmental registry 5 The Ministry didn't feel they could do the 10:12:14 10:13:14 6 postings that will outline 10:12:16 6 standardized setbacks, so in the interim, we 10:13:16 7 requirements for offshore wind 10:12:18 7 understood, and we understood that many of these 10:13:19 8 8 development as oppressed 10:12:19 things were developed over time, and that it would 10:13:20 9 9 amendments to O. Reg. 3509." 10:12:20 evolve over time. And in the meantime, that interim 10:13:24 10 10 So the regulation and the process. So 10:12:25 process was going to be set out in that offshore 10:13:26 11 11 I guess my question is: Aside from your opinion of 10:12:27 report. That's how I understood the process. 10:13:28 12 12 what the regulatory framework was at that time, the 10:12:30 O. Okay. And --13 13 regulated community, they would have understood 10:12:33 A. So it's not to say that -- I mean, 10:13:32 14 14 through this posting that the government intended to 10:12:36 I read those words and what they were doing in the 10:13:33 15 further develop the policy or the regulation through 10:12:38 15 setback policy and how that would -- I'm not trying 10:13:35 16 16 changes to the process and also through potential 10:12:41 to say that we never assumed regulations would come, 10:13:38 17 17 regulatory amendments. Do we agree? 10:12:45 but until those regulations came, it was not going 10:13:41 18 A. Okay. And this is where I don't 10:12:46 18 to be the Minister's -- the Ministry's goal of a 10:13:44 19 19 mean to be argumentative, but I -- I cannot be more 10:12:47 prescriptive front-end process. It was going to be 10:13:46 20 clear than I was in my report. 20 10:12:51 the pre-GEA world for offshore as it is for hydro 10:13:51 21 10:12:53 21 O. Okay. projects. 10:13:54 22 22 Q. Okay. But you'll agree with me, 10:13:54 A. And this is a fundamental 10:12:53 23 23 difference with your reports. We -- we don't see it 10:12:55 at least, that this clearly signals that changes are 10:13:56 24 24 10:14:00 the same, and I'm not sure I'm going to be able to 10:12:57 on the horizon and that these could include 25 bridge that now, other than to say to you -- and 25 regulatory amendments or changes to the process? 10:14:04

	Page 68		Page 69
1	A. Right. Right. And I think the 10:14:06	1	on the horizon? 10:15:06
2	Ministry internally when I read the reports, 10:14:07	2	Q. I believe you you just said 10:15:07
3	clearly, internally, they they thought it was 10:14:10	3	and correct me if I'm wrong, but I understood you to 10:15:09
4	very clear to everybody that the regulations were 10:14:13	4	say that it was clear to the Ministry, based on what 10:15:12
5	coming. I can tell you that, when you were sitting 10:14:15	5	you've seen in the arbitration, that everyone should 10:15:13
6	in the rooms, you understood that the offshore 10:14:17	6	have known that there would be regulatory changes. 10:15:16
7	the offshore report, which was again, it's a 10:14:21	7	A. Right. 10:15:18
8	significant document that would sit on top of all of 10:14:24	8	Q. But that that wasn't clear to the 10:15:18
9	the generic REA reports; that that was going to it 10:14:28	9	regulatory community. And I'm just putting it to 10:15:19
10	address the site-specifics. 10:14:33	10	you that this refers specifically to proposed 10:15:23
11	And so I guess I just I don't 10:14:36	11	regulatory amendments to 10:15:26
12	think you will have a meeting of the minds between 10:14:37	12	A. Sorry, the regulated community 10:15:27
13	me and the Ministry. I can only tell you on the 10:14:39	13	would've understood that, as the the process 10:15:29
14	public record and what the regulated community 10:14:42	14	evolved and matured through the life of the FIT 10:15:31
15	understood. 10:14:45	15	program, that regulations would have come. And 10:15:34
16	Q. Okay. I just have one final 10:14:45	16	those regulations, I think, would have been, our 10:15:37
17	question on this point, Ms. Powell. 10:14:47	17	understanding, was going to focus on noise. 10:15:40
18	I want to confirm, then, for the 10:14:49	18	In the interim, that's when I say in 10:15:43
19	record that it's your opinion that the regulated 10:14:50	19	my process that I believed at the time, and I think 10:15:45
20	community would not have understood that regulations 10:14:53	20	the reasonable investor would have believed, that it 10:15:47
21	were on the horizon, even even though this refers 10:14:55	21	would have been this nonprescriptive. It would have 10:15:50
22	specifically to proposed amendments to the 10:15:00	22	been site-specific, and we would have done it like 10:15:53
23	regulation? 10:15:02	23	in the old days to move forward in our offshore 10:15:55
24	A. The regulated sorry, again? 10:15:03	24	report. 10:16:00
25	The regulated community understood regulations were 10:15:03	25	Q. Okay. Thank you? 10:16:00
	Page 70		Page 71
1	Page 70 A. Does that I think that I I 10:16:01	1	Page 71 future development." [As 10:16:56
1 2	_	1 2	
	A. Does that I think that I I 10:16:01		future development." [As 10:16:56
2	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02	2	future development." [As 10:16:56 read] 10:16:58
2	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05	2	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00
2 3 4	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08	2 3 4	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03
2 3 4 5	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10	2 3 4 5	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03
2 3 4 5	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12	2 3 4 5	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05
2 3 4 5 6 7	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15	2 3 4 5 6 7	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06
2 3 4 5 6 7 8	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19	2 3 4 5 6 7 8	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11
2 3 4 5 6 7 8 9 10	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22	2 3 4 5 6 7 8 9 10	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13
2 3 4 5 6 7 8 9 10 11	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26	2 3 4 5 6 7 8 9 10 11	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15
2 3 4 5 6 7 8 9 10 11 12 13	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28	2 3 4 5 6 7 8 9 10 11 12 13	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17
2 3 4 5 6 7 8 9 10 11 12 13	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:29	2 3 4 5 6 7 8 9 10 11 12 13	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:05 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:29 my report. 10:16:31	2 3 4 5 6 7 8 9 10 11 12 13 14	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:18 protection of the environment 10:17:19
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32	2 3 4 5 6 7 8 9 10 11 12 13 14 15	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:32	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20 sustainability." 10:17:23
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20 sustainability." 10:17:23 So in terms of what the regulated 10:17:23
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34 show you the exhibit at Tab 9 of your binder, 10:16:36	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:20 sustainability." 10:17:23 So in terms of what the regulated 10:17:23 community would have understood from this, they 10:17:26
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34 show you the exhibit at Tab 9 of your binder, 10:16:36 Exhibit C-0946. 10:16:39	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:23 So in terms of what the regulated 10:17:23 community would have understood from this, they 10:17:26 would have understood that, again, the Ontario 10:17:28
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34 show you the exhibit at Tab 9 of your binder, 10:16:36 Exhibit C-0946. 10:16:39 This is the a policy proposal that MNR 10:16:45	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20 sustainability." 10:17:23 So in terms of what the regulated 10:17:28 community would have understood from this, they 10:17:28 government was undertaking more work to more fully 10:17:30
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34 show you the exhibit at Tab 9 of your binder, 10:16:36 Exhibit C-0946. 10:16:39 This is the a policy proposal that MNR 10:16:45 published on August 18, 2010, entitled: 10:16:48	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20 sustainability." 10:17:23 So in terms of what the regulated 10:17:28 community would have understood from this, they 10:17:28 government was undertaking more work to more fully 10:17:30 develop its policy on offshore wind; correct? 10:17:33
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34 show you the exhibit at Tab 9 of your binder, 10:16:36 Exhibit C-0946. 10:16:39 This is the a policy proposal that MNR 10:16:45 published on August 18, 2010, entitled: 10:16:50	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20 sustainability." 10:17:23 So in terms of what the regulated 10:17:28 community would have understood from this, they 10:17:28 government was undertaking more work to more fully 10:17:30 develop its policy on offshore wind; correct? 10:17:33 A. For prescribed standards, yes. 10:17:36
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Does that I think that I I 10:16:01 didn't see it as a gating issue. I didn't see it 10:16:02 and I didn't understand it to be a gating issue. 10:16:08 I understood that, in the interim 10:16:08 and the burden was on us, and that's what your 10:16:10 expert said, and I agree. The burden was on the 10:16:12 developer, whomever that would be, to move through 10:16:15 that process. 10:16:17 Q. In the interim, but but you 10:16:18 would agree with me that it does clearly signal that 10:16:19 regulatory change was potentially coming? 10:16:22 A. For noise. I assumed that the 10:16:26 noise there would be a setback process, and 10:16:28 that's what they and I tried to set that out in 10:16:29 my report. 10:16:31 Q. Yes. 10:16:32 A. That was focus was on the noise. 10:16:34 show you the exhibit at Tab 9 of your binder, 10:16:36 Exhibit C-0946. 10:16:39 This is the a policy proposal that MNR 10:16:45 published on August 18, 2010, entitled: 10:16:48	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	future development." [As 10:16:56 read] 10:16:58 And about halfway through the first 10:17:00 paragraph, it states that: 10:17:03 "The government is undertaking 10:17:03 additional regulatory and 10:17:05 policy work to provide further 10:17:06 clarity and certainty to 10:17:08 renewable energy proponents 10:17:10 and the public on where 10:17:11 renewable energy projects can 10:17:13 be located and what technical 10:17:15 requirements need to be 10:17:17 fulfilled to ensure the 10:17:18 protection of the environment 10:17:19 and ecological 10:17:20 sustainability." 10:17:23 So in terms of what the regulated 10:17:28 community would have understood from this, they 10:17:28 government was undertaking more work to more fully 10:17:30 develop its policy on offshore wind; correct? 10:17:33

	Page 72		Page 73
1	Q. Prescribed standards, okay. 10:17:43	1	was interesting from yesterday in the Minister's 10:18:37
2	And turning to page 2, the second 10:17:43	2	comment. There's something called the Environmental 10:18:39
3	paragraph of the posting refers to MNR's Crown land 10:17:45	3	Bill of Rights Registry, and under the environmental 10:18:42
4	policy review, stating that this review will: 10:17:48	4	Bill of Rights in Ontario, you have to go through 10:18:46
5	"Include consideration of 10:17:51	5	these comment processes to get seek public input. 10:18:48
6	where, when, and how the 10:17:52	6	And all of the REA regulatory process and the MNR 10:18:51
7	government makes Crown land 10:17:53	7	process went through this what we call the EBR, 10:18:54
8	available for offshore wind 10:17:54	8	or the Environmental Bill of Rights Registry. The 10:18:57
9	projects and may result in 10:17:55	9	moratorium did not. 10:19:01
10	additional areas being 10:17:57	10	Q. I'm sorry. Could you just repeat 10:19:03
11	constrained from offshore wind 10:17:58	11	the last part of your 10:19:04
12	development." [As read] 10:18:00	12	A. The moratorium did not because the 10:19:05
13	So in terms of what the regulated 10:18:01	13	Minister yesterday talked about I just thought it 10:19:07
14	community would have understood, would you agree 10:18:03	14	was interesting. The Minister yesterday talked 10:19:09
15	with me that they would have understood that, you 10:18:07	15	about his compliance with the Environmental Bill of 10:19:11
16	know, this 5-kilometre setback proposal in the 10:18:11	16	Rights Registry, so I all of the documents 10:19:13
17	previous posting was on the table as well as 10:18:14	17	leading up to the regulatory framework that I talk 10:19:15
18	constraining potential areas beyond the 5 10:18:17	18	about and set out went through that EBR process. 10:19:21
19	kilometres; correct? 10:18:21	19	Q. And and do I understand 10:19:24
20	A. That was a possibility. 10:18:22	20	correctly that you're saying that the moratorium 10:19:27
21	Q. Okay. And both of these proposals 10:18:23	21	decision was not a result of the EBR process? 10:19:28
22	seek the public's input on what the requirements and 10:18:26	22	A. The moratorium the policy 10:19:32
23	the policy should be for offshore wind projects in 10:18:28	23	decision, and the moratorium didn't go through the 10:19:34
24 25	the future; correct? 10:18:32	24 25	EBR so 10:19:36
25	A. Right. So and I thought this 10:18:35	25	Q. Okay. 10:19:37
	Page 74		D 75
	1 agc /4		Page 75
1	· ·	1	Page /5 discussion. So that the EBR is intended to ensure 10:20:41
1 2	A that's not part of the record 10:19:38 on the EBR. 10:19:42	1 2	•
	A that's not part of the record 10:19:38	1	discussion. So that the EBR is intended to ensure 10:20:41
2	A that's not part of the record 10:19:38 on the EBR. 10:19:42	2	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario – it's 10:20:44
2	A that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42	2 3	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54
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2 3 4 5 6 7 8	A that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59	2 3 4 5 6 7 8	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:15	2 3 4 5 6 7 8 9 10 11 12 13 14	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:20
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:15 Q. Right. So what I understand is 10:20:16	2 3 4 5 6 7 8 9 10 11 12 13 14 15	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:20 So I'm just saying, from a 10:21:23
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:16 that the — they put out a policy proposal for 10:20:18 consultation in June 2010. 10:20:22	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:20 So I'm just saying, from a 10:21:23 transparency perspective, I was a bit perplexed 10:21:24 yesterday when the Minister was talking about the 10:21:28
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:15 Q. Right. So what I understand is 10:20:16 that the — they put out a policy proposal for 10:20:18 consultation in June 2010. 10:20:22 A. Right. I — 10:20:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:23 transparency perspective, I was a bit perplexed 10:21:24 yesterday when the Minister was talking about the 10:21:28 his compliance with the EBR, because it wasn't clear 10:21:31
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:15 Q. Right. So what I understand is 10:20:16 that the — they put out a policy proposal for 10:20:218 consultation in June 2010. 10:20:22 A. Right. I — 10:20:24 Q. And they received — 10:20:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:23 transparency perspective, I was a bit perplexed 10:21:24 yesterday when the Minister was talking about the 10:21:28 his compliance with the EBR, because it wasn't clear 10:21:31 to me that that policy decision ever went through 10:21:33
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:15 Q. Right. So what I understand is 10:20:16 that the — they put out a policy proposal for 10:20:18 consultation in June 2010. 10:20:22 A. Right. I — 10:20:25 A. — I don't understand that 10:20:26	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:23 transparency perspective, I was a bit perplexed 10:21:24 yesterday when the Minister was talking about the 10:21:28 his compliance with the EBR, because it wasn't clear 10:21:31 to me that that policy decision ever went through 10:21:33 the, in that sense, the robust discussion that the 10:21:36
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:15 Q. Right. So what I understand is 10:20:16 that the — they put out a policy proposal for 10:20:18 consultation in June 2010. 10:20:22 A. Right. I — 10:20:24 Q. And they received — 10:20:25 A. — I don't understand that 10:20:26 moratorium was ever on the table. So when I went 10:20:27	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:23 transparency perspective, I was a bit perplexed 10:21:24 yesterday when the Minister was talking about the 10:21:28 his compliance with the EBR, because it wasn't clear 10:21:31 to me that that policy decision ever went through 10:21:36 EBR is supposed to trigger. 10:21:40
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. — that's not part of the record 10:19:38 on the EBR. 10:19:42 Q. I'd just like to take you to Tab 10:19:42 14, then, which is Exhibit C-0725. 10:19:44 A. Yes. 10:19:51 Q. This is that decision notice that 10:19:52 we're talking about on February 11, 2011. 10:19:54 It states there that this is a policy 10:19:59 decision notice on the MOE proposal that we were 10:20:01 looking at in Exhibit R-0118. 10:20:04 A. Yeah. 10:20:08 Q. Is that not correct? 10:20:09 A. It is, but the policy decision to 10:20:11 issue a moratorium in and of itself didn't go 10:20:12 through the public comment period. 10:20:15 Q. Right. So what I understand is 10:20:16 that the — they put out a policy proposal for 10:20:18 consultation in June 2010. 10:20:22 A. Right. I — 10:20:25 A. — I don't understand that 10:20:26	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	discussion. So that the EBR is intended to ensure 10:20:41 transparency on decision-making and Ontario it's 10:20:44 been in place for many years and what happens is the 10:20:49 Ministry, they want to issue a guideline, so they 10:20:51 just issued a guideline yesterday. It goes through 10:20:54 the process; you comment on the draft guideline; and 10:20:56 off you go. 10:20:58 I guess what I was trying to make the 10:21:00 point there was, in this process, the actual 10:21:01 commenting on the concept of and, fundamentally, 10:21:04 and remember how important it was to the Minister 10:21:07 about precautionary principle. That precautionary 10:21:10 principle, that fundamental important principle that 10:21:12 we regulate much by, that was not ever in debate 10:21:15 from a moratorium perspective. 10:21:23 transparency perspective, I was a bit perplexed 10:21:24 yesterday when the Minister was talking about the 10:21:28 his compliance with the EBR, because it wasn't clear 10:21:31 to me that that policy decision ever went through 10:21:33 the, in that sense, the robust discussion that the 10:21:36

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1	there. 10:21:55	1	outcome of certainly they didn't adopt the 10:22:57
2	A. Not just that, but I think that's 10:21:57	2	decision that was proposed, but the process itself 10:23:00
3	important is that 10:21:58	3	was closed with this decision notice; isn't that 10:23:05
4	Q if I can just continue with my 10:21:58	4	true? 10:23:09
5	question. 10:22:00	5	A. No. I don't think there was ever 10:23:09
6	A. No. But just that my point was 10:22:01	6	consultation in accordance with the EBR regarding 10:23:10
7	sorry, if I can just squeak in one is the 10:22:02	7	the concept of precautionary principle. 10:23:15
8	precautionary principle which based the Minister's 10:22:04	8	Q. But there was consultation on a 10:23:18
9	decision. That was never discussed in the public, 10:22:07	9	5-kilometre setback on which public comment was 10:23:20
10	ever, that I'm aware of. There was no and, 10:22:10	10	received and 10:23:23
11	again, not to be critical because it's not my who 10:22:13	11	A. Which was about noise 10:23:25
12	am I? But the transparency issue on 10:22:17	12	Q subsequently 10:23:26
13	precautionary principle is all about transparency, 10:22:20	13	A not about you know, not in 10:23:29
14	and my only comment, which was off-hand and perhaps 10:22:22	14	my mind. But the 5 kilometres I mean, again, 10:23:30
15	now, not necessary, but the I just meant to say 10:22:26	15	I don't want an argument. It's not key to my 10:23:32
16	the transparency that's so fundamental as part of 10:22:30	16	opinion, other than I just wanted to note that we 10:23:36
17	precautionary principle was never discussed in the 10:22:33	17	have this EBR process and what you don't see in 10:23:38
18	public forum. 10:22:35	18	there, in my view, is a transparent, robust 10:23:40
19	Q. And I guess I just put it to you 10:22:36	19	discussion from a public perspective on the 10:23:43
20	that the June 25 policy proposal was put out through 10:22:39	20	precautionary principle. That was my point. 10:23:45
21	the environmental registry, through the 10:22:42	21	Q. Despite the fact that, in fact, 10:23:48
22	Environmental Bill of Rights, and consulted on. 10:22:44	22	1,400 public comments were submitted on the original 10:23:50
23	Perhaps you're aware it indicates in this posting 10:22:47	23	proposal? 10:23:54
24	that the Ministry received 1,400 comments from the 10:22:50	24	A. About noise, yeah. I mean and 10:23:55
25	public, which were under consideration. And the 10:22:54	25	that was 10:23:57
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1	•	1	•
2	Q. We can go back to the original 10:23:58	2	a moratorium, yeah. Like, I mean 10:25:00
3	proposal, but I believe it was actually about more 10:24:00	3	Q. That's my point exactly. 10:25:02
4	things than noise. 10:24:02	4	A. Yeah, yeah. 10:25:04 O. And you'd agree with me that 10:25:09
5	A. No, I'm saying when you look at 10:24:03 when you sift through those public comments, when 10:24:04	5	Q. And you'd agree with me that 10:25:09 there's really no way to know I mean, we've 10:25:10
6	you try and look at what the thrust of those 10:24:06	6	talked about what the regulatory community would 10:25:13
7	comments were, again, this was the regulated 10:24:09	7	have expected, but there's no way to know what the 10:25:15
8	community's understanding was that the fundamental 10:24:12	8	outcome of these policy reviews and consultations 10:25:18
9	issue with that setback, whatever the political 10:24:14	9	will be until the process has completed; correct? 10:25:20
10	drivers were and I don't have any insight into 10:24:16	10	A. Yeah. And that's correct, but 10:25:24
11	that process was really talking about because of 10:24:19	11	what I was trying to say is what was the reasonable 10:25:26
12	the unique nature of noise and how it how it 10:24:21	12	expectation of all of the stakeholders in this 10:25:28
13	moves, and is that part of that was driven by noise. 10:24:24	13	process? And by "all of the stakeholders," I mean 10:25:31
14	And so I guess I'm just saying, again, 10:24:28	14	the lenders, and I mean the community groups, and I 10:25:34
15	what I was perplexed about and I continue to be 10:24:30	15	mean the people who live on the edge of the lake. 10:25:36
16	perplexed about is the concept of the use of the 10:24:32	16	I don't think the reasonable expectation, given the 10:25:38
17	precautionary principle. 10:24:35	17	description of the policy and given the drivers, was 10:25:41
18	Q. I guess I just have one more 10:24:39	18	a moratorium. And so what I tried to say in my 10:25:43
19	question on this point, which was that the 10:24:42	19	opinion and I'm not trying to be facetious about 10:25:46
20	5-kilometre setback that was proposed, it could have 10:24:51	20	any of this is that I don't think a reasonable 10:25:49
21	ended up something different; correct? 10:24:55	21	expectation for anybody of any of the players, but 10:25:52
22	A. Correct. 10:24:57	22	for the internal workings of government, which again 10:25:55
23	Q. It could have been greater or 10:24:57	23	I have no insight on, was the moratorium. 10:25:59
24	smaller? 10:24:58	24	Q. But it was a possible outcome, if 10:26:02
25	A. It could have ended up in 10:24:59	25	not a reasonable expectation in your opinion? 10:26:04

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1	A. No. 10:26:06	1	wind projects, not for onshore or for any other type 10:27:16
2	Q. It was not a possible outcome? 10:26:08	2	of project, so I'd just like to ask you 10:27:18
3	A. I said it was it was it's 10:26:09	3	A. Sorry, can I just 10:27:20
4	conceivable in the sense that that's I have to 10:26:10	4	Q. Sure. 10:27:20
5	say that now because hindsight tells me that that's 10:26:13	5	A. Because I didn't think I said 10:27:20
6	an outcome. But what I'm saying is, when I look 10:26:16	6	that. I thought what I said was: I think, in the 10:27:21
7	backwards and what I if I was standing in August 10:26:19	7	context, your reports talked about it being 10:27:28
8	2010 and when I was advising clients about the FIT 10:26:21	8	undeveloped and what the point I was trying to 10:27:30
9	program more generally, given the legislative sea 10:26:25	9	make was and I fully agree. There weren't 10:27:32
10	change and all of the work we had done in that 10:26:30	10	prescriptive standards, but that we had decades of 10:27:37
11	preceding year and all of the goodwill, would I have 10:26:33	11	experience doing in water work. We had decades of 10:27:39
12	been advising clients that there was a moratorium - 10:26:35	12	experience with the environmental assessment in 10:27:42
13	was a likely possibility for offshore? I wouldn't 10:26:38	13	Ontario. 10:27:46
14	have I wouldn't have advised that. 10:26:41	14	And based on that experience, would 10:27:46
15	Q. And that's my question. I didn't 10:26:42	15	an experienced developer and, again, an 10:27:48
16	put it to you that it was a likely possibility but 10:26:43	16	experienced developer, because I think that when 10:27:49
17	just that it was, in fact, possible. 10:26:45	17	I look at Windstream and Windstream's advisers, they 10:27:52
18	A. It happened, so it's possible. 10:26:47	18	had extensive experience in wind and so as do our 10:27:57
19	Q. Okay. I'd just like to 10:26:49	19	clients that we work with. And those clients have 10:28:03
20	conclude or, sorry, to ask, you know, you talked 10:26:56	20	been successful in working through a very complex 10:28:05
21	about, in your report, about how the regulatory 10:27:01	21	process in water and on land to get what they need 10:28:08
22	uncertainty facing the project wasn't necessarily 10:27:04	22	to get. 10:28:10
23	any different than that facing facing any other 10:27:07	23	So what I was trying to say was 10:28:11
24	project, but these two policy reviews that were 10:27:08	24	I think I used materially; that it was no materially 10:28:12
25	happening, it was specifically for for offshore 10:27:14	25	different, because that's significant to me, but I'm 10:28:16
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1	not saying they were exact, and I'm not saying the 10:28:18	1	the we can talk about magnitude, but just in 10:29:15
2	not saying they were exact, and I'm not saying the 10:28:18 degree of risk was exactly the same. 10:28:20	2	the we can talk about magnitude, but just in 10:29:15 terms of the basic differential in permitting risk? 10:29:18
2	not saying they were exact, and I'm not saying the 10:28:18 degree of risk was exactly the same. 10:28:20 Every process project is unique, 10:28:23	2 3	the we can talk about magnitude, but just in 10:29:15 terms of the basic differential in permitting risk? 10:29:18 A. I think there were unique 10:29:22
2 3 4	not saying they were exact, and I'm not saying the 10:28:18 degree of risk was exactly the same. 10:28:20 Every process project is unique, 10:28:23 and interestingly interestingly, it doesn't 10:28:25	2 3 4	the we can talk about magnitude, but just in 10:29:15 terms of the basic differential in permitting risk? 10:29:18 A. I think there were unique 10:29:22 permitting issues to deal with in water works, and 10:29:23
2 3 4 5	not saying they were exact, and I'm not saying the 10:28:18 degree of risk was exactly the same. 10:28:20 Every process project is unique, 10:28:23 and interestingly interestingly, it doesn't 10:28:25 necessarily depend on the size of the project. 10:28:29	2 3 4 5	the we can talk about magnitude, but just in 10:29:15 terms of the basic differential in permitting risk? 10:29:18 A. I think there were unique 10:29:22 permitting issues to deal with in water works, and 10:29:23 I tried to be clear on that in my report, similar to 10:29:26
2 3 4 5 6	not saying they were exact, and I'm not saying the 10:28:18 degree of risk was exactly the same. 10:28:20 Every process project is unique, 10:28:23 and interestingly interestingly, it doesn't 10:28:25 necessarily depend on the size of the project. 10:28:29 So when I talk about, you know, large 10:28:31	2 3 4 5	the we can talk about magnitude, but just in 10:29:15 terms of the basic differential in permitting risk? 10:29:18 A. I think there were unique 10:29:22 permitting issues to deal with in water works, and 10:29:23 I tried to be clear on that in my report, similar to 10:29:26 hydro or reserve lands. And I think what I was 10:29:29
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	Page 84		Page 85
1	both outstanding as of August 20, 2010, the date 10:30:29	1	Q. Yes, it is. The proposal posting 10:31:43
2	Windstream signed its FIT contract; correct? 10:30:35	2	is at Tab 7, and the discussion paper is at Tab 8. 10:31:51
3	A. That's correct. 10:30:38	3	And those are Exhibits R-0118 and 119, for the 10:31:55
4	Q. Okay. And you're aware that, as 10:30:38	4	record, if you wanted to review. 10:31:59
5	a result of the proposed shoreline exclusion zone, 10:30:41	5	But my question relating specifically 10:32:04
6	Windstream asked MNR to reconfigure its grid cell 10:30:45	6	to this letter, which is dated August 9, 2010, about 10:32:06
7	applications, aren't you? 10:30:49	7	halfway through the first sentence, it states 10:32:09
8	A. I believe I was. 10:30:51	8	A. Sorry, I closed your tab. 10:32:13
9	Q. Okay. If I can take you to 10:30:52	9	I apologize. 10:32:15
10	Appendix B of your first report. You referred in 10:30:54	10	Q. Okay. Tab 11. We're at tab 11. 10:32:15
11	paragraph K, which is on the second page of the 10:31:05	11	It's a letter from Eric Boysen to MNR sorry, Eric 10:32:22
12	appendix. It states: 10:31:06	12	Boysen of MNR to Ian Baines of Windstream, dated 10:32:26
13	"By a letter, dated August 9, 10:31:09	13	August 9, 2010. 10:32:30
14	2010, the MNR confirmed to 10:31:10	14	And about halfway through the first 10:32:33
15	WWIS the MNR's willingness to 10:31:13	15	sentence, it states that: 10:32:35
16	discuss a reconfiguration of 10:31:15	16	"MNR is prepared to discuss a 10:32:36
17	the project site once the 10:31:17	17	limited reconfiguration of 10:32:38
18	setback policy was finalized 10:31:19	18	your existing applications to 10:32:40
19	by MOE." [As read] 10:31:21	19	allow a sufficient area of 10:32:41
20	And I believe you're referring here to 10:31:22	20	your proposed to site your 10:32:43
21	Exhibit C-00 sorry, C-0334, which I've included 10:31:23	21	proposed 300-megawatt offshore 10:32:44
22	at Tab 11 of your binder. If we can just turn there 10:31:29	22	wind farm." 10:32:48
23	now. It's a letter from Eric Boysen of MNR to Ian 10:31:33	23	And then in the first bullet in the 10:32:48
24	Baines of Windstream. 10:31:39	24	next paragraph, it states that: 10:32:49
25	A. Is the setback policy in here? 10:31:41	25	"Any discussion will only 10:32:51
	Page 86	1	
1	_	1	Page 87
1	occur once the policy proposal 10:32:51	1 2	And so I think that had a let's 10:33:53
2	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54	2	And so I think that had a – let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55
2	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54 regarding the 5-kilometre 10:32:54	2 3	And so I think that had a let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55 It took it to the beginning of September. And so I 10:33:58
2 3 4	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54 regarding the 5-kilometre 10:32:54 shoreline exclusion zone has 10:32:57	2 3 4	And so I think that had a let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55 It took it to the beginning of September. And so I 10:33:58 think the regulated community that's true, but I 10:34:00
2 3 4 5	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54 regarding the 5-kilometre 10:32:54 shoreline exclusion zone has 10:32:57 been concluded as well as 10:32:59	2 3 4 5	And so I think that had a let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55 It took it to the beginning of September. And so I 10:33:58 think the regulated community that's true, but I 10:34:00 think the regulated community understood that that 10:34:03
2 3 4 5 6	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54 regarding the 5-kilometre 10:32:54 shoreline exclusion zone has 10:32:57 been concluded as well as 10:32:59 MNR's own consideration of 10:33:01	2 3 4 5 6	And so I think that had a – let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55 It took it to the beginning of September. And so I 10:33:58 think the regulated community – that's true, but I 10:34:00 think the regulated community understood that that 10:34:03 review process was winding up. 10:34:06
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54 regarding the 5-kilometre 10:32:54 shoreline exclusion zone has 10:32:57 been concluded as well as 10:32:59 MNR's own consideration of 10:33:01 where, when, and how the 10:33:02 government will make Crown 10:33:04 land available for offshore 10:33:06 wind projects." [As read] 10:33:09 In terms of what the regulated 10:33:10 community would have understood from this letter, 10:33:12 they would have understood that they wouldn't be 10:33:17 until the government had concluded and made final 10:33:20 decisions on the policy reviews and postings that we 10:33:23 had looked at. Is that right? 10:33:26 community, at that point, understood that that 10:33:28	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	And so I think that had a — let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55 It took it to the beginning of September. And so I 10:33:58 think the regulated community — that's true, but I 10:34:00 think the regulated community understood that that 10:34:03 review process was winding up. 10:34:06 Q. Okay. But the outcome hadn't yet 10:34:08 been decided by that time? 10:34:11 Q. Okay. And in terms of, just 10:34:12 again, referring — going back to your reference to 10:34:16 comprehensive comfort letters that are used in the 10:34:18 financing process, there's no commitment in this 10:34:21 letter that would — that would — that would make 10:34:23 it the type of letter on which you could — the 10:34:27 strength of which you could finance a — a project; 10:34:29 correct? 10:34:32 A. This was not comfort letter I was 10:34:33 referring to. 10:34:34
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	occur once the policy proposal 10:32:51 environmental registry posting 10:32:54 regarding the 5-kilometre 10:32:54 shoreline exclusion zone has 10:32:57 been concluded as well as 10:32:59 MNR's own consideration of 10:33:01 where, when, and how the 10:33:02 government will make Crown 10:33:04 land available for offshore 10:33:06 wind projects." [As read] 10:33:09 In terms of what the regulated 10:33:10 community would have understood from this letter, 10:33:12 they would have understood that they wouldn't be 10:33:14 able to proceed through the site release process 10:33:17 until the government had concluded and made final 10:33:20 decisions on the policy reviews and postings that we 10:33:23 had looked at. Is that right? 10:33:25 A. Right. And I think the regulated 10:33:26 community, at that point, understood that that 10:33:31 front of me, but it would have been the first week 10:33:36 of September. So I think, in the EBR postings, how 10:33:38	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	And so I think that had a — let's 10:33:53 say, it wasn't 90, but 70 days, whatever it took. 10:33:55 It took it to the beginning of September. And so I 10:33:58 think the regulated community — that's true, but I 10:34:00 think the regulated community understood that that 10:34:03 review process was winding up. 10:34:06 Q. Okay. But the outcome hadn't yet 10:34:08 been decided by that time? 10:34:11 Q. Okay. And in terms of, just 10:34:12 again, referring — going back to your reference to 10:34:16 comprehensive comfort letters that are used in the 10:34:18 financing process, there's no commitment in this 10:34:21 letter that would — that would make 10:34:23 it the type of letter on which you could — the 10:34:27 strength of which you could finance a — a project; 10:34:29 correct? 10:34:32 A. This was not comfort letter I was 10:34:33 referring to. 10:34:34 Q. Yeah. Okay. I'd just like to 10:34:36 talk about your — your conclusion that — we can 10:34:47 take — I can take you to the report. It's at 10:34:52

	Page 88		Page 89
1	Q. Paragraph it's actually in the 10:35:01	1	Commercial Operation for the project; is that 10:35:54
2	footnote, in Footnote 80. And it's the last two 10:35:02	2	correct? 10:35:56
3	sentences. You stated: 10:35:11	3	A. So my opinion was that the 10:35:58
4	"To the extent that offshore 10:35:13	4	36-month, plus or minus, opinion was based on an 10:35:59
5	wind projects were having 10:35:15	5	assumption that of what and in some ways it's 10:36:06
6	additional permitting 10:35:16	6	complex because, what did I know at the time? So 10:36:10
7	challenges, it would have been 10:35:18	7	put myself back in 2010. I would have thought it 10:36:12
8	reasonable to assume that the 10:35:19	8	was in that range. But what we know now, it likely 10:36:15
9	OPA would have considered 10:35:20	9	wasn't in that range. 10:36:19
10	further extending the 10:35:21	10	And what I'm trying to say there is, 10:36:20
11	milestone date for commercial 10:35:22	11	based on what we know about the OPA's behaviour from 10:36:22
12	operation for offshore 10:35:24	12	2009 until they stopped the large FIT program for 10:36:26
13	projects as the OPA recently 10:35:24	13	wind, the behaviour there, I think, confirms my 10:36:31
14	did for Water Power Projects. 10:35:27	14	assumption that it was commercially reasonable to 10:36:35
15	This would have provided 10:35:30	15	assume that the OPA would have treated offshore 10:36:37
16	additional flexibility to 10:35:32	16	winds like they did projects on reserve, like they 10:36:40
17	allow for additional time for 10:35:33	17	did hydro projects. So I don't think that's an 10:36:43
18	developers to obtain the 10:35:35	18	unreasonable assumption, so that's what I was trying 10:36:45
19	required permits." 10:35:36	19	to say there. 10:36:47
20	And so I just want to confirm your 10:35:37	20	Q. Okay. And I'd just like to 10:36:48
21	opinion that it was commercially reasonable to enter 10:35:40	21	explore this because the FIT contract already 10:36:49
22	the FIT contract is based on the assumption that, if 10:35:43	22	contains protections against permitting delays 10:36:52
23	the project were to experience any regulatory 10:35:46	23	through the force majeure provisions; correct? 10:36:55
24	delays, the OPA could reasonably be expected to 10:35:49	24	A. They they do. But my 10:36:58
25	offer an extension of the Milestone Date of 10:35:52	25	experience with the OPA and I heard the OPA speak 10:37:03
1	Page 90 yesterday, and it wasn't clear to me. I mean, they 10:37:11	1	Page 91 Q. Oh, sorry, the contract. I 10:38:20
2	have all of the information available to them as to 10:37:14	2	apologize if I said rules. That's right. 10:38:21
3	what extensions they have given and not given. 10:37:17	3	A. What paragraph do you want me to 10:38:23
4	I can only talk from my personal 10:37:20	4	look at? 10:38:24
5	experience, but they prefer not to do the one-offs 10:37:22	5	Q. Section 10.3, the chapeau there. 10:38:24
6	is my personal experience. They prefer to treat 10:37:25	6	A. Right. 10:38:27
7 8	because it is a standard program, they prefer to 10:37:28	8	Q. It's the definition of force 10:38:27
9	treat keep the level playing field. So I suspect 10:37:30	9	majeure as: 10:38:28
10	that they would have preferred to do, like they did 10:37:35 for reserved lands and hydro, to give the blanket 10:37:38	10	"Any act, event, cause, or 10:38:28 condition that prevents 10:38:35
11	extension or the 2011 permitting delay. But they 10:37:38	11	a party from performing its 10:38:35
12	also could have dealt with it through a force 10:37:44	12	obligations other than payment 10:38:37
13	majeure. 10:37:47	13	obligations bereunder that is 10:38:39
14	Q. And I'd just like to look in the 10:37:49	14	beyond the affected party's 10:38:40
15	FIT contract, which is at Tab 10 of your binder. 10:37:51	15	reasonable control." 10:38:42
16	It's Exhibit R-0092, the general terms and 10:37:53	16	And then if we look over on page 34, 10:38:43
17	conditions of the standard FIT contract. 10:37:57	17	at subparagraph (i), the definition is inclusive of: 10:38:47
18	A. Sorry, 10? 10:37:59	18	"Any ability to obtain or to 10:38:51
19	Q. It's Tab 10, yes. 10:38:01	19	secure the renewal or 10:38:53
20	A. Yep. 10:38:03	20	amendment of any permit, 10:38:55
21	Q. And if we turn to page 33 of the 10:38:03	21	certificate –" 10:38:58
22	rules, we see the definition of force majeure under 10:38:06	22	Then it goes on to say: 10:38:58
23	the contract. 10:38:12	23	"Licence or approval of any 10:38:59
24	A. Sorry, are we in the rules or the 10:38:13	24	government authority required 10:39:02
25	contract? 10:38:18	25	to perform or comply with any 10:39:03

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1	obligation under the 10:39:04	1	because a lot of that information is, as you said, 10:40:07
2	agreement." 10:39:05	2	confidential. 10:40:09
3	And it's my understanding that, if the 10:39:06	3	But the MCODs are directives from 10:40:10
4	contract in force majeure for more than 24 months 10:39:10	4	the the way the MCODs came about is the 10:40:15
5	after the original Milestone Date for Commercial 10:39:14	5	Minister of Energy directed the OPA to say, Okay. 10:40:19
6	Operation, the supplier is entitled to some relief 10:39:16	6	We're having permitting delays. I want you to 10:40:23
7	in the sense that it can terminate it can choose 10:39:20	7	extend the MCOD and not rely on force majeure. 10:40:26
8	to terminate the contract and get its security 10:39:22	8	Okay. We're still having permitting delays on 10:40:26
9	deposit back. Is that correct? 10:39:26	9	hydro, I want you to extend the MCOD. And then, 10:40:26
10	A. That's correct. 10:39:27	10	similarly, on the reserve lands, because of the 10:40:33
11	Q. Okay. So, as I said, the contract 10:39:28	11	complexity and uniqueness of dealing on the reserve 10:40:36
12	already offers protection against permitting delays, 10:39:30	12	lands, they gave the same blanket. 10:40:40
13	and in terms of when we talk about of an 10:39:36	13	So those are directives from the 10:40:40
14	extension to the MCOD 10:39:39	14	Ministry of Energy through to the OPA, and the OPA 10:40:43
15	A. Right. 10:39:41	15	then issues the blanket, and then you enter into an 10:40:44
16	Q it's it's not something 10:39:41	16	agreement with the OPA). 10:40:47
17	that's actually provided in the FIT contract. It's 10:39:42	17	Q. So it's either it has to be 10:40:49
18	an amendment that you'd have to negotiate with the 10:39:45	18	secured through the OPA, either with a direction 10:40:51
19	OPA. You'd have to secure that amendment to your 10:39:47	19	via a direction from the Minister or with the OPA 10:40:55
20 21	contract; correct? 10:39:50	20	itself, but it's not something that's provided for 10:40:58
22	A. It's so when they issue the 10:39:50	22	in the existing contract. It has to be amended? 10:41:00
23	well, our experience has been not consistent. Like, 10:39:53 when the OPA said yesterday that they don't extend 10:39:55	23	A. Force majeure, right. Yes. 10:41:04 Q. Okay. And, you know, while you 10:41:07
24	MCODs, I thought we had one project that we did get 10:39:59	24	say that it would be commercially reasonable to 10:41:12
25	an extension, but, again, the OPA is the best suited 10:40:04	25	expect such an extension, there's no way to tell, 10:41:14
	an entending car, again, and office and contract for some		
	Page 94		Page 95
1	just as with the REA and the Crown land, there's no 10:41:20	1	
2			reasonable expectations would have been in 2010? 10:42:27
	way to tell whether or not it would have been 10:41:23	2	A. I do think it's relevant, though, 10:42:29
3	granted with any certainty. It is just your opinion 10:41:25		A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31
4	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28	2 3 4	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33
4 5	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31	2 3 4 5	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36
4 5 6	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33	2 3 4 5	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39
4 5 6 7	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36	2 3 4 5 6 7	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42
4 5 6 7 8	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38	2 3 4 5 6 7 8	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44
4 5 6 7 8 9	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40	2 3 4 5 6 7 8	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48
4 5 6 7 8 9	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41	2 3 4 5 6 7 8 9	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51
4 5 6 7 8 9 10	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44	2 3 4 5 6 7 8 9 10	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule.
4 5 6 7 8 9 10 11	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47	2 3 4 5 6 7 8 9 10 11	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54
4 5 6 7 8 9 10 11 12 13	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48	2 3 4 5 6 7 8 9 10 11 12	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55
4 5 6 7 8 9 10 11 12 13 14	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51	2 3 4 5 6 7 8 9 10 11 12 13	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57
4 5 6 7 8 9 10 11 12 13 14 15	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54	2 3 4 5 6 7 8 9 10 11 12 13 14	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00
4 5 6 7 8 9 10 11 12 13 14 15 16	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54 Q. Okay. So this water power this 10:41:57	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00 comfortable, based on all of the discussions and all 10:43:03
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4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54 Q. Okay. So this water power this 10:41:59 June 2013; correct? 10:42:03 A. I don't remember the month, but 10:42:06	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00 comfortable, based on all of the discussions and all 10:43:03 of the again, I don't have a better word than 10:43:10 "goodwill" that was in the room at the time, that 10:43:10 that was a reasonable assumption. I was wrong. 10:43:12
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54 Q. Okay. So this water power this 10:41:57 extension that was offered for water power was in 10:41:59 June 2013; correct? 10:42:03 A. I don't remember the month, but 10:42:06 2013.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00 comfortable, based on all of the discussions and all 10:43:03 of the again, I don't have a better word than 10:43:10 that was a reasonable assumption. I was wrong. 10:43:12 I admit I was wrong because that was not happened. 10:43:15
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54 Q. Okay. So this water power this 10:41:59 June 2013; correct? 10:42:03 A. I don't remember the month, but 10:42:06	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00 comfortable, based on all of the discussions and all 10:43:03 of the again, I don't have a better word than 10:43:10 that was a reasonable assumption. I was wrong. 10:43:12 I admit I was wrong because that was not happened. 10:43:15
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54 Q. Okay. So this water power this 10:41:57 extension that was offered for water power was in 10:41:59 June 2013; correct? 10:42:06 2013. 10:42:06 Q. Okay. In 2013, in any event. So 10:42:14	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00 comfortable, based on all of the discussions and all 10:43:03 of the again, I don't have a better word than 10:43:10 that was a reasonable assumption. I was wrong. 10:43:12 I admit I was wrong because that was not happened. 10:43:15 But even though I was wrong at the 10:43:18
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	granted with any certainty. It is just your opinion 10:41:25 as to what was reasonable to be expected; correct? 10:41:28 A. And there's where it gets a bit 10:41:31 tricky because I'm informing that opinion looking 10:41:33 backwards as to opposed to what I would have thought 10:41:36 at the time. But looking with the benefit of 10:41:38 hindsight and based on the client's experience that 10:41:40 we've had to date moving through the process, I 10:41:41 think it's reasonable to assume, to the extent that 10:41:44 the moratorium wasn't in place, that the OPA would 10:41:47 have worked cooperatively and commercially in a 10:41:48 commercially reasonable way with offshore as they 10:41:51 did with every other form of energy. 10:41:54 Q. Okay. So this water power this 10:41:57 extension that was offered for water power was in 10:41:59 June 2013; correct? 10:42:03 A. I don't remember the month, but 10:42:06 2013. 10:42:06 Q. Okay. In 2013, in any event. So 10:42:14 while it informs your opinion on what it would be 10:42:16	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I do think it's relevant, though, 10:42:29 because what I was trying to say in my opinion at 10:42:31 the time and this goes to the steep learning 10:42:33 curve, and I tried to set out in the opinion if 10:42:36 we were sitting around the table in the summer of 10:42:39 2010 and I was looking to a client, we would 10:42:42 schedule like, we set a schedule, and we'd say, 10:42:44 "Okay. What are we going to do?" And you work with 10:42:48 the consultants who have done it before, and you 10:42:51 have their schedule. 10:42:53 If they were saying, "Sarah, what do 10:42:54 you think about the permitting risk, and what do you 10:42:55 think about the Ministry's review of our REA 10:42:57 application?" I would have reasonably been 10:43:00 comfortable, based on all of the discussions and all 10:43:03 of the again, I don't have a better word than 10:43:10 that was a reasonable assumption. I was wrong. 10:43:12 I admit I was wrong because that was not happened. 10:43:15 But even though I was wrong at the 10:43:18 time with many clients as to the speed of the 10:43:20

	Page 96		Page 97
1	contract. They wanted to see the stuff be built. 10:43:34	1	for developers. But these two examples of the 10:45:00
2	It was a cornerstone they used the word 10:43:36	2	A. Sorry, I'm on the wrong are you 10:45:05
3	"cornerstone" of their commitment to the economy 10:43:38	3	on the second or the first report? 10:45:07
4	to ensure that this FIT program was a success. 10:43:41	4	Q. The first report. 10:45:09
5	And when you look at the numbers, when 10:43:44	5	A. First report? 10:45:10
6	you look at what's been built in Ontario, it's been 10:43:46	6	Q. I apologize. 10:45:11
7	a huge success. And so, again, I was wrong at the 10:43:48	7	A. Page? 10:45:12
8	time, but my now looking back with hindsight, I 10:43:51	8	Q. Pages 7 and 8. 10:45:13
9	believe that we would have had those same 10:43:53	9	A. Oh. 10:45:14
10	extensions. 10:43:55	10	Q. And you can take a moment to 10:45:16
11	Q. Okay. And but just in terms of 10:43:56	11	review them if you'd like. 10:45:17
12	understanding these examples that you reference, we 10:43:58	12	A. Okay. 10:45:19
13	talked about the water power extension from 2013. 10:44:02	13	[Pause] 10:45:19
14	You give some other examples of contractual 10:44:04	14	Q. I was just noting that you 10:45:19
15	flexibility provided by the OPA, such as the waiver 10:44:10	15	referred to an example in February 2011 when the OPA 10:45:30
16	of Notice to Proceed, termination rights in August 10:44:15	16	offered to amend the FIT contracts of all FIT 10:45:33
17	2011 10:44:19	17	counterparties who had not reached operation to 10:45:37
18	A. What paragraph are you at? 10:44:22	18	extend those milestone dates by a year." 10:45:40
19	Q. Paragraph 8 of your first report. 10:44:25	19	We've talked about that one. 10:45:43
20	A. Eight? 10:44:27	20	You referred in the next paragraph to: 10:45:45
21	Q. Sorry, page 8, paragraph 21. I 10:44:31	21	"In August 2011 the 10:45:47
22	apologize. I've included both references. So I 10:44:33	22	OPA announced a further 10:45:49
23	believe in these paragraphs, starting on the 10:44:46	23	change. They agreed to waive 10:45:50
24	page before, you were referring to amendments that 10:44:49	24 25	the OPA's unilateral 10:45:55
25	the OPA had made to minimize contractual uncertainty 10:44:57	25	termination right contemplated 10:45:55
	D 00		
	Page 98		Page 99
1	in Section 24(a) of the FIT 10:45:58	1	Page 99 are putting your money on the line and for these big 10:47:01
1 2	•	1 2	
	in Section 24(a) of the FIT 10:45:58		are putting your money on the line and for these big 10:47:01 projects, it's not insignificant money. 10:47:03 Not only do you have to put your 10:47:06
2	in Section 24(a) of the FIT 10:45:58 contract, the pre NTP 10:45:58 termination right." 10:46:02 [As read] 10:46:03	2 3 4	are putting your money on the line and for these big 10:47:01 projects, it's not insignificant money. 10:47:03 Not only do you have to put your 10:47:06 letter of credit in for millions of dollars, but you 10:47:08
2	in Section 24(a) of the FIT 10:45:58 contract, the pre NTP 10:45:58 termination right." 10:46:02 [As read] 10:46:03 And it's not right here, but we've 10:46:04	2 3 4 5	are putting your money on the line and for these big 10:47:01 projects, it's not insignificant money. 10:47:03 Not only do you have to put your 10:47:06 letter of credit in for millions of dollars, but you 10:47:08 also then have to invest millions of dollars to get 10:47:11
2 3 4 5	in Section 24(a) of the FIT 10:45:58 contract, the pre NTP 10:45:58 termination right." 10:46:02 [As read] 10:46:03 And it's not right here, but we've 10:46:04 just discussed the example of the water power 10:46:06	2 3 4 5 6	are putting your money on the line and for these big 10:47:01 projects, it's not insignificant money. 10:47:03 Not only do you have to put your 10:47:06 letter of credit in for millions of dollars, but you 10:47:08 also then have to invest millions of dollars to get 10:47:11 to the REA process and meet your milestone date. 10:47:13
2 3 4 5 6 7	in Section 24(a) of the FIT 10:45:58 contract, the pre NTP 10:45:58 termination right." 10:46:02 [As read] 10:46:03 And it's not right here, but we've 10:46:04 just discussed the example of the water power 10:46:06 extension, as well. 10:46:09	2 3 4 5 6 7	are putting your money on the line and for these big 10:47:01 projects, it's not insignificant money. 10:47:03 Not only do you have to put your 10:47:06 letter of credit in for millions of dollars, but you 10:47:08 also then have to invest millions of dollars to get 10:47:11 to the REA process and meet your milestone date. 10:47:13 So most of your clients, we sat in 10:47:16
2 3 4 5 6 7 8	in Section 24(a) of the FIT 10:45:58 contract, the pre NTP 10:45:58 termination right." 10:46:02 [As read] 10:46:03 And it's not right here, but we've 10:46:04 just discussed the example of the water power 10:46:06 extension, as well. 10:46:09 A. That's in the footnote, I think. 10:46:10	2 3 4 5 6 7 8	are putting your money on the line and for these big 10:47:01 projects, it's not insignificant money. 10:47:03 Not only do you have to put your 10:47:06 letter of credit in for millions of dollars, but you 10:47:08 also then have to invest millions of dollars to get 10:47:11 to the REA process and meet your milestone date. 10:47:13 So most of your clients, we sat in 10:47:16 a room and we determined, could we meet it? 10:47:18
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	Page 100		Page 101
1	timing that I sat in the room, we didn't meet on any 10:48:09	1	to focussing on a permit because, again, the OPA 10:49:17
2	of our projects, I agree. 10:48:11	2	takes very seriously that this is a this is 10:49:20
3	But then I step now today to give 10:48:14	3	a standard program. And when you have standard 10:49:23
4	these opinions in 2014. I do have the benefit of 10:48:16	4	offering programs, it's very important to treat 10:49:26
5	hindsight and I do look backwards now to say: Was 10:48:19	5	people alike, but that said, I think for the 10:49:28
6	it reasonable at the time? I believe so, yes. 10:48:23	6	offshore complexity and uniqueness, I think it's 10:49:32
7	I believe, based on all of our best experience, 10:48:25	7	a reasonable assumption now looking back. 10:49:36
8	experienced developers could do that. And then 10:48:28	8	Q. Okay. Thank you. I'll just take 10:49:38
9	I inform it with hindsight as to how the OPA acted 10:48:30	9	a moment to confer with my colleagues, if that's all 10:49:40
10	and I think the OPA acted, as I said, pragmatically. 10:48:34	10	right. 10:49:42
11	Q. Just in terms of these examples, 10:48:37	11	[Counsel confer] 10:49:42
12	they were provided to whole classes of project 10:48:39	12	PRESIDENT: Yes, of course. 10:49:43
13	proponent; is that correct. For example, the water 10:48:44	13	MR. SPELLISCY: Actually if we could 10:49:47
14	power extension, it wasn't to one specific 10:48:46	14	have maybe a five-minute biobreak, for the lady on 10:49:48
15	water power proponent. It was 10:48:49	15	my left here, she would much appreciate it. 10:49:51
16	A. That's correct, although on 10:48:51	16	PRESIDENT: No, why don't we have our 10:49:55
17	aboriginal, I don't know how many that you would 10:48:53	17	morning break then now for 15 minutes to gain some 10:49:57
18	have to ask the OPA how many large FIT projects 10:48:56	18	time and we continue at 11:05. 10:50:03
19	still fall within because I think there's only 10:48:59	19	Thank you. 10:50:08
20	a handful of large applications outstanding that 10:49:03	20	Recess taken at 10:50 a m. 10:50:08
21	would have been caught by that extension. So it may 10:49:06	21	Upon resuming at 11:09 a m. 10:50:09
22	be more specific in that case. 10:49:09	22	PRESIDENT: Why don't we go on, Ms. 11:09:14
23	Q. Okay. 10:49:11	23	Wates? 11:09:16
24	A. But the preference of the OPA was 10:49:11	24	Can you estimate roughly how much you 11:09:16
25	to do it by way of the large broad-band, as opposed 10:49:12	25	would still need time? 11:09:20
	Page 102		Page 103
1	•	1	•
1 2	MS. WATES: It will be very brief. 11:09:21	1 2	second point I don't think it's actually disputed 11:10:24
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1	right under the FIT contract, but then the six-month 11:12:02	1	A. Is it in the binder? 11:13:25
2	extension came later because this is the version of 11:12:03	2	Q. No, I'm sorry. It arose in the 11:13:26
3	the FIT that Windstream sought 11:12:06	3	course of our discussion. We thought we would 11:13:28
4	A. I'm sorry. I wanted to refresh my 11:12:08	4	follow up on that, so while they're working on that. 11:13:30
5	(Simultaneous speakers - unclear) 11:12:10	5	(Alarm announcement) 11:13:33
6	Q wasn't clear in my question. 11:12:10	6	MR. TERRY: If I may, Mr. President, 11:14:16
7	A. Sorry, I wasn't perhaps clear in 11:12:12	7	typically what we find in these buildings is you 11:14:17
8	my question. Is your question, does the 24 months 11:12:12	8	have these announcements and usually then you get 11:14:19
9	get impacted by the or is it 11:12:15	9	another announcement a little later on, saying that 11:14:22
10	Q. It's about the interaction between 11:12:18	10	it's cleared up. 11:14:24
11	the two that the six months 11:12:20	11	In the bad situations, there will be 11:14:25
12	A. Right, and I need to read it, if 11:12:21	12	an alarm that keeps going and going and going, and 11:14:26
13	I don't know off the I can't remember off the 11:12:23	13	telling you to leave and then you can decide whether 11:14:29
14	top. 11:12:25	14	you want to and this doesn't sound like one of 11:14:31
15	I actually don't know the answer to 11:12:47	15	those. 11:14:33
16	that because my assumption was the milestone date 11:12:48	16	PRESIDENT: We accept the regulatory 11:14:33
17	was a blanket milestone date was not a force majeure 11:12:50	17	risk. 11:14:33
18	so it did it was the new MCOD that then became 11:12:51	18	(Laughter) 11:14:33
19	the new MCOD, as opposed to in the force majeure 11:12:54	19	PRESIDENT: And let's go on and rely 11:14:33
20	provisions, the way the force majeure works is that 11:12:58	20	on 11:14:33
21	you still look at 24 months off your first milestone 11:13:01	21	BY MS. WATES: 11:14:42
22	date. So, I'm sorry, I can't answer that question. 11:13:07	22	Q. That's fine with me. The third 11:14:42
23	I thought it was that the MCOD extended. 11:13:09	23	point that I wanted to ask if you could just give 11:14:49
24	Q. On getting the relevant exhibit 11:13:16	24	me a moment so for that extension to the MCOD for 11:14:50
25	pulled up. In the meantime 11:13:15	25	the Environmental Review Tribunal, you mentioned 11:15:03
	•		
	D 100		
	Page 106		Page 107
1	I believe, that a proponent had to undertake to not 11:15:05	1	Page 107 this was because of avoiding bad blood with 11:16:04
1 2		1 2	_
	I believe, that a proponent had to undertake to not 11:15:05		this was because of avoiding bad blood with 11:16:04
2	I believe, that a proponent had to undertake to not 11:15:05 begin construction, as well, during the 11:15:10	2	this was because of avoiding bad blood with 11:16:04 neighbours to the project and then being good 11:16:07
2	I believe, that a proponent had to undertake to not 11:15:05 begin construction, as well, during the 11:15:10 Environmental Review process; is that correct? 11:15:11	2	this was because of avoiding bad blood with 11:16:04 neighbours to the project and then being good 11:16:07 neighbours; is that correct? 11:16:09
2 3 4	I believe, that a proponent had to undertake to not 11:15:05 begin construction, as well, during the 11:15:10 Environmental Review process; is that correct? 11:15:11 A. If you wanted the blanket 11:15:13	2 3 4	this was because of avoiding bad blood with 11:16:04 neighbours to the project and then being good 11:16:07 neighbours; is that correct? 11:16:09 A. Right. 11:16:09
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	I believe, that a proponent had to undertake to not 11:15:05 begin construction, as well, during the 11:15:10 Environmental Review process; is that correct? 11:15:11 A. If you wanted the blanket — 11:15:13 Q. — extension. 11:15:14 A. — extension, and not having to go 11:15:16 through the force majeure requirements which, with 11:15:17 the OPA, to be honest, there is a process that you 11:15:20 have to follow and then they make a determination, 11:15:23 so as opposed to doing that, and you take the 11:15:25 blanket, there's an undertaking that you not 11:15:31 undertake certain activities but for those 11:15:35 activities that need to be taken because of 11:15:37 species-at-risk or what have you, that otherwise 11:15:39 that stopped construction. So, if you need to grub 11:15:44 during a season when you can't — grubbing is just 11:15:47 getting rid of brush because of species-at-risk 11:15:48 before, the species at-risk return. 11:15:56 A. You can make — 11:15:56 Q. — an exception. 11:15:57 A. It is an exception, but generally 11:15:58 they don't want you to doing large construction 11:16:00	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	this was because of avoiding bad blood with neighbours to the project and then being good 11:16:07 neighbours; is that correct? 11:16:09 A. Right. 11:16:09 Q. Is that correct? 11:16:10 (Alarm announcement) 11:16:52 Q. So, we were just discussing the 11:16:53 commitment not to construct during the Environmental 11:16:55 Review Tribunal phase was to maintain good relations 11:16:56 with the neighbours, and that it was subject to 11:17:02 certain extensions, I believe you said or 11:17:07 A. Exceptions. 11:17:09 Q. You had also attested in your 11:17:10 presentation, you made you stated that your 11:17:18 manufacturing facilities for the project would be 11:17:21 done separately from the renewable energy approval; 11:17:28 A. Not the on-shore. 11:17:28 Q. Not the on-shore? 11:17:29 A. Sorry, what I said was that 11:17:31
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1	that's the forming of those foundation. 11:17:42	1	description. 11:19:12
2	Q. Sorry, I wasn't clear in my 11:17:45	2	(Alarm announcement) 11:19:15
3	question. That's what I meant. The gravity-based 11:17:46	3	PRESIDENT: Let's go on. 11:19:17
4	foundations. 11:17:50	4	THE WITNESS: So, I was saying that 11:20:01
5	A. Right, so those aspects of that 11:17:53	5	I did not suggest and I didn't mean to suggest 11:20:04
6	process 11:17:55	6	that on-shore components were not covered. 11:20:06
7	Q. Go ahead. 11:17:56	7	The specific comment that I understood 11:20:09
8	A. Those aspects of that process were 11:17:56	8	was a third-party manufacturer of a component of the 11:20:11
9	being done by a third-party, and when you look at 11:17:57	9	project. Would it be captured within the definition 11:20:16
10	the definitions in the regulation - 11:17:59	10	of either Project Location or the definition of 11:20:18
11	(Alarm announcement) 11:18:02	11	Renewable Energy Facility definition which is in the 11:20:21
12	PRESIDENT: Let's go, if this at 11:18:43	12	Electricity Act and it is my view it would not. 11:20:24
13	this let's try to continue. 11:18:45	13	And you have to kind of parse through 11:20:27
14	BY MS. WATES: 11:18:50	14	all of the definitions because it goes to the EPA to 11:20:28
15	Q. Just to confirm what we are 11:18:51	15	the Electricity Act, but in the Electricity Act 11:20:32
16	discussing it's the on-shore manufacturing 11:18:52	16	there is a series of regs that talk about any 11:20:34
17	facilities to construct the gravity-based 11:18:54	17	ancillary or additional and I don't have them in 11:20:36
18	foundations that were required for the project; is 11:18:57	18	front of me, but is the Electricity Act in here? 11:20:40
19	that correct? 11:18:59	19	BY MS. WATES: 11:20:44
20	A. Yes, so, but I did not mean to 11:18:59	20	Q. No, sorry. 11:20:44
21	suggest that on-shore was not subject to REA. 11:19:01	21	A. So, under the Electricity Act 11:20:45
22	The on-shore component of the project 11:19:03	22	there's a reg. I think it's 160.99 or something 11:20:47
23	would be defined within. So, if we have 11:19:05	23	like that, and it talks about the exceptions 11:20:51
24	distribution lines that are part of the project 11:19:08	24	(Alarm announcement) 11:20:56
25	on-shore, those would be part of the project 11:19:10	25	BY MS. WATES: 11:20:59
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1	Q. So, I guess just to clarify what 11:21:28	1	the work for the on-shore manufacturing facilities, 11:22:30
2	component we're talking about, it is my 11:21:30	2	to the extent that it was beyond that which was 11:22:35
3	understanding that we're discussing the on-shore 11:21:32	3	permitted in 11:22:37
4		1 ~	
	manufacturing facility to construct the 11:21:35	4	-
5	manufacturing facility to construct the 11:21:35 gravity-based foundations; is that what we're 11:21:39		(Alarm announcement) 11:22:41
	gravity-based foundations; is that what we're 11:21:39	4	(Alarm announcement) 11:22:41 THE CHAIR: We have to create a new 11:23:11
5	gravity-based foundations; is that what we're 11:21:39 talking about? 11:21:44	4 5	(Alarm announcement) 11:22:41 THE CHAIR: We have to create a new 11:23:11 accounting for time spent - 11:23:13
5 6	gravity-based foundations; is that what we're 11:21:39 talking about? 11:21:44 A. Right. And I guess there is 11:21:45	4 5 6	(Alarm announcement) 11:22:41 THE CHAIR: We have to create a new 11:23:11 accounting for time spent 11:23:13 (Laughter) 11:23:15
5 6 7	gravity-based foundations; is that what we're 11:21:39 talking about? 11:21:44 A. Right. And I guess there is 11:21:45 a suggestion that that facility and any work it 11:21:46	4 5 6 7	(Alarm announcement) 11:22:41 THE CHAIR: We have to create a new 11:23:11 accounting for time spent 11:23:13 (Laughter) 11:23:15 MR. TERRY: That goes to the fire 11:23:15
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5 6 7 8 9	gravity-based foundations; is that what we're 11:21:39 talking about? 11:21:44 A. Right. And I guess there is 11:21:45 a suggestion that that facility and any work it 11:21:46 would have to do to take that to the water, would be 11:21:47	4 5 6 7 8 9	(Alarm announcement) 11:22:41 THE CHAIR: We have to create a new 11:23:11 accounting for time spent 11:23:13 (Laughter) 11:23:15 MR. TERRY: That goes to the fire 11:23:15
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5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	gravity-based foundations; is that what we're talking about? A. Right. And I guess there is 11:21:45 a suggestion that that facility and any work it 11:21:46 would have to do to take that to the water, would be 11:21:47 subject to the REA. 11:21:51 It is my view that it would not 11:21:53 based on my interpretation of the Electricity Act 11:21:54 and based on my interpretation of the applicable 11:21:56 regs under that. 11:22:00 Q. So it's your opinion that 11:22:01 the on-shore manufacturing facilities for these 11:22:02 foundation whose be subject to a separate permitting 11:22:08 process; correct? 11:22:11 A. To the extent that to the 11:22:12 extent that the St. Mary's Cement needed any 11:22:13 approval to do whatever they wanted to do, it would 11:22:20 environmental compliance approval which is 11:22:23	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	(Alarm announcement) 11:22:41 THE CHAIR: We have to create a new 11:23:11 accounting for time spent 11:23:15 (Laughter) 11:23:15 MR. TERRY: That goes to the fire 11:23:15 department. 11:23:16 MS. WATES: Fire department time, yes. 11:23:19 PRESIDENT: Forfeiture. 11:23:21 BY MS. WATES: 11:23:22 Q. I hope there is not a limit. 11:23:22 Okay, so just getting back to that, 11:23:24 I was going to say that to the extent that the scope 11:23:27 of work, the activity involved in the manufacture 11:23:30 sorry, the facilities for the on-shore manufacturing 11:23:36 are not covered by the existing environmental 11:23:40 compliance approval, an amendment to that permit 11:23:43 would need to be sought; correct? 11:23:47 A. In the event that St. Mary's 11:23:48 Cement needed a trigger, that there was a trigger 11:23:50 under the EPA that they would have to amend their 11:23:55

	Page 112		Page 113
1	Q. Such as, you know, expanding 11:24:01	1	conclude as quickly as possible. 11:25:41
2	significantly the number of manufacturing lines or 11:24:03	2	BY MS. WATES: 11:25:44
3	this type of thing? 11:24:10	3	Q. To the extent that this separate 11:25:44
4	A. To the it would depend. 11:24:11	4	permitting process would apply, potentially through 11:25:45
5	The ECA they are comprehensive, many 11:24:13	5	an amendment to an existing environmental compliance 11:25:47
6	of them, so you're permitted flexibility within that 11:24:16	6	approval, it's a separate process than the REA 11:25:52
7	ECA to increase operations, to decrease operations, 11:24:20	7	process; correct? 11:25:57
8	as long as you meet the global air emissions that 11:24:24	8	A. It is like any other permit you 11:25:59
9	sit above it. 11:24:26	9	have to get. Like the REA, there's permits that sit 11:26:00
10	So, to the extent it didn't impact 11:24:29	10	around the REA that you still need to get. 11:26:03
11	their air emissions they may not require an ECA 11:24:31	11	So, to the extent St. Mary's that 11:26:04
12	amendment. 11:24:35	12	would be a contractual obligation they'd have and 11:26:06
13	Q. But to the extent one would be 11:24:35	13	they would need that, and if they would do that in 11:26:08
14	required, if an amendment were 11:24:37	14	the process, they would do it. So, that 11:26:10
15	(Alarm announced) 11:24:40	15	typically those permits are due course, but that 11:26:11
16	MR. TERRY: Certainly from our 11:25:17	16	would have to be followed. 11:26:15
17	perspective we would be happy to take an early lunch 11:25:18	17	Q. And it's not a streamlined process 11:26:16
18	or do something like it, if that made sense. 11:25:21	18	either, in terms of having the plethora of other 11:26:18
19	I'm in my friend's hands, but I see it 11:25:24	19	legislation, the regulatory and permitting 11:26:22
20	is very difficult to conduct a cross-examination. 11:25:25	20	requirements that would apply, such as the Planning 11:26:24
21	MS. WATES: Well, I have only two more 11:25:29	21	Act or zoning by-laws, whereas the REA streamlines 11:26:26
22 23	questions. I was hoping to get them in. If the 11:25:30	22	all of that into one approval. For the separate 11:26:32
23	PRESIDENT: Let's try to finish this, 11:25:35	24	permitting process you'd have to obtain multiple 11:26:34
25	but it is a bit annoying. 11:25:36 MS. WATES: I will to my best to 11:25:40	25	approvals. 11:26:37 A. I can't comment on what approvals 11:26:38
23	MS. WATES. I will to my best to 11.25.40	23	A. Teant comment on what approvals 11.20.38
	Page 114		Page 115
1		1	•
1 2	Page 114 they would need. 11:26:39 Q. Okay. 11:26:40	1 2	Page 115 You would agree with me, to the extent 11:27:55 that construction started on this on-shore 11:27:59
	they would need. 11:26:39		You would agree with me, to the extent 11:27:55 that construction started on this on-shore 11:27:59
2	they would need. 11:26:39 Q. Okay. 11:26:40	2	You would agree with me, to the extent 11:27:55
2	they would need. 11:26:39 Q. Okay. 11:26:40 A. I was commenting on the most 11:26:40	2 3	You would agree with me, to the extent 11:27:55 that construction started on this on-shore 11:27:59 manufacturing facility prior to the Environmental 11:28:02
2 3 4	they would need. 11:26:39 Q. Okay. 11:26:40 A. I was commenting on the most 11:26:40 likely which is the ECA. 11:26:41	2 3 4	You would agree with me, to the extent 11:27:55 that construction started on this on-shore 11:27:59 manufacturing facility prior to the Environmental 11:28:02 Review Tribunal process for the REA, it would have 11:28:04
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2 3 4 5 6 7	they would need. Q. Okay. A. I was commenting on the most 11:26:40 A. I was commenting on the most 11:26:41 Q. Okay. A. Which is issued by the Ministry 11:26:43 and is a very streamlined, and due course what 11:26:45 I call a "due course permit." They are issued in due course. So, to me that would not be a gating 11:26:49	2 3 4 5 6 7	You would agree with me, to the extent 11:27:55 that construction started on this on-shore 11:27:59 manufacturing facility prior to the Environmental 11:28:02 Review Tribunal process for the REA, it would have 11:28:04 been challenged potentially by anti-wind groups; 11:28:07 there would have been opposition because they would 11:28:12 see even though this is a separate on-shore 11:28:15 manufacturing facility, they would potentially see 11:28:18 it as very much the project itself. 11:28:20
2 3 4 5 6 7 8	they would need. Q. Okay. A. I was commenting on the most 11:26:40 likely which is the ECA. Q. Okay. 11:26:41 Q. Okay. A. Which is issued by the Ministry 11:26:43 and is a very streamlined, and due course what 11:26:45 I call a "due course permit." They are issued in 11:26:46	2 3 4 5 6 7 8	You would agree with me, to the extent 11:27:55 that construction started on this on-shore 11:27:59 manufacturing facility prior to the Environmental 11:28:02 Review Tribunal process for the REA, it would have 11:28:04 been challenged potentially by anti-wind groups; 11:28:07 there would have been opposition because they would 11:28:12 see even though this is a separate on-shore 11:28:15 manufacturing facility, they would potentially see 11:28:18
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	Page 116		Page 117
1	Q. Okay, but these groups could, in 11:29:09	1	majeure. Sorry, treated like a force majeure. 11:30:33
2	fact, seek leave. That's foreseeable that that 11:29:14	2	Q. Thank you. I have no further 11:30:39
3	would happen and it would be a separate process from 11:29:19	3	questions so I'll 11:30:40
4	the REA, as we've said? 11:29:22	4	PRESIDENT: Thank you, Ms. Wates. Any 11:30:44
5	A. They could seek leave. They could 11:29:26	5	question on redirect? 11:30:47
6	seek leave and they'd have to meet the test. 11:29:28	6	MR. TERRY: Just a brief question. 11:30:50
7	Q. Thank you. I'm just recalling 11:29:30	7	RE-EXAMINATION BY MR. TERRY: 11:30:51
8	my colleagues have reminded me about the second 11:29:31	8	Q. Ms. Powell, you were asked some 11:30:58
9	question we were discussing and the exhibit we were 11:29:35	9	questions just before we broke, and between the fire 11:30:59
10	going to pull up. This related to how the six-month 11:29:37	10	alarm messages about the on-shore facility that is 11:31:04
11	extension blanket for force majeure sorry for the 11:29:40	11	discussed for manufacturing turbine foundations. 11:31:10
12	MCOD interacts with the force majeure. 11:29:46	12	And you indicated that you said St. Mary's Cement 11:31:14
13	A. Right. 11:29:48	13	or whatever the entity would be that would carry out 11:31:20
14	Q. So Donnie is going to pull up 11:29:48	14	that manufacturing, you were asked some questions 11:31:23
15	R-0643. This is an amending notice for FIT under 11:29:50	15	about that process. 11:31:24
16	extension for the Environmental Review Tribunal and 11:30:00	16	Now, that would be and you talked 11:31:27
17	this is on page 3. He's focused in on Section 4(b), 11:30:03	17	about the need, potentially, to obtain a permit. 11:31:29
18	so we'll just I'll give you a moment to read 11:30:07	18	Would that be a permit that would be 11:31:32
19	that. 11:30:11	19	obtained by the project, the Windstream project 11:31:33
20 21	If we can just go back again. The 11:30:19	20	or 11:31:37
22	issue, I think I had asked, if you agree with me 11:30:21 that the six months' extension would be counted 11:30:24	22	A. No. 11:31:38
23		23	Q. Or would this be a third-party? 11:31:38 A. The permit no, the third-party 11:31:40
24	against the 24 months of force majeure; would you 11:30:29 agree with me? 11:30:31	24	would have the contractual obligation, presumably, 11:31:42
25	agree with me? 11:30:31 A. Yes, it is treated as a force 11:30:32	25	to as a turbine manufacturer does to get 11:31:45
	A. 10s, it is treated as a force 11.50.52		to as a turbine manufacturer does to get 11.51.45
	Page 118		Page 119
1	Page 118 whatever permits they need to function in accordance 11:31:49	1	Page 119 THE WITNESS: Sure, so the and this 11:32:54
1 2	_	1 2	•
	whatever permits they need to function in accordance 11:31:49		THE WITNESS: Sure, so the and this 11:32:54
2	whatever permits they need to function in accordance 11:31:49 with law. 11:31:52 Q. And we've talked about the REA 11:31:53 appeal process. Would there be any basis under the 11:31:54	2	THE WITNESS: Sure, so the and this 11:32:54 is how, in my experience and, again, the OPA can 11:32:57 speak specifically to their experience, but as 11:33:02 a condition precedent or as a condition, a covenant 11:33:04
2 3 4 5	whatever permits they need to function in accordance 11:31:49 with law. 11:31:52 Q. And we've talked about the REA 11:31:53 appeal process. Would there be any basis under the 11:31:54 REA appeal process for an Appellant under that 11:31:58	2 3 4 5	THE WITNESS: Sure, so the and this 11:32:54 is how, in my experience and, again, the OPA can 11:32:57 speak specifically to their experience, but as 11:33:02 a condition precedent or as a condition, a covenant 11:33:04 in any credit agreement, is the borrower 11:33:07
2 3 4 5	whatever permits they need to function in accordance 11:31:49 with law. 11:31:52 Q. And we've talked about the REA 11:31:53 appeal process. Would there be any basis under the 11:31:54 REA appeal process for an Appellant under that 11:31:58 process to appeal in respect of any permit granted 11:32:01	2 3 4 5 6	THE WITNESS: Sure, so the and this 11:32:54 is how, in my experience and, again, the OPA can 11:32:57 speak specifically to their experience, but as 11:33:02 a condition precedent or as a condition, a covenant 11:33:04 in any credit agreement, is the borrower 11:33:07 particularly when you have a projected COD that's 11:33:11
2 3 4 5 6 7	whatever permits they need to function in accordance 11:31:49 with law. 11:31:52 Q. And we've talked about the REA 11:31:53 appeal process. Would there be any basis under the 11:31:54 REA appeal process for an Appellant under that 11:31:58 process to appeal in respect of any permit granted 11:32:01 under the ECA for the on-shore facility? 11:32:04	2 3 4 5 6 7	THE WITNESS: Sure, so the and this 11:32:54 is how, in my experience and, again, the OPA can 11:32:57 speak specifically to their experience, but as 11:33:02 a condition precedent or as a condition, a covenant 11:33:04 in any credit agreement, is the borrower 11:33:07 particularly when you have a projected COD that's 11:33:11 post milestone date, and that's all of my projects 11:33:15
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	Page 120		Page 121
1	indication of how the OPA was trying to make these 11:34:12	1	first-round that I've been involved in the Korean 11:35:10
2	things bankable. 11:34:16	2	consortium which are like a first-round that were 11:35:14
3	MR. BISHOP: Is that sort of term part 11:34:19	3	issued to the Korean consortium, those large 11:35:18
4	of the FIT contract or is this only for other types 11:34:20	4	first-round issuances that I've been involved in, 11:35:22
5	of contracts? 11:34:23	5	have all been built have all been financed, first 11:35:25
6	THE WITNESS: That 11:34:24	6	of all, with projected CODs well beyond the MCOD and 11:35:28
7	MR. BISHOP: The ability to buy back 11:34:26	7	they are now into commercial operation. 11:35:34
8	the term. 11:34:27	8	MR. BISHOP: Those are on-shore wind 11:35:36
9	THE WITNESS: I've never seen it in 11:34:27	9	projects? 11:35:38
10	others. It may well be that there is, but it was 11:34:29	10	THE WITNESS: Yes, those were on-shore 11:35:39
11	not part of the I do not believe it was part of 11:34:31	11	to be clear. 11:35:40
12	the RESOP which is the predecessor and off the top, 11:34:34	12	MR. BISHOP: Can you give us any sort 11:35:42
13	I don't know if it's part of the new one, but it was 11:34:38	13	of rule of thumb, as to what the extra cost or extra 11:35:43
14	negotiated as part of partly because the process 11:34:41	14	time was for those projects to come to completion? 11:35:46
15	was new, my understanding was that it was a give to 11:34:43	15	THE WITNESS: Just on the liquidated 11:35:53
16	the lenders. Whether that's true or not, I can't 11:34:46	16	damages? 11:35:54
17	comment. 11:34:50	17	MR. BISHOP: Yes. 11:35:55
18	MR. BISHOP: It's the experience that 11:34:51	18	THE WITNESS: So on the last one I did 11:35:56
19	you're talking about with respect to wind projects? 11:34:55	19	which was it's built into the FIT contract. It 11:35:58
20	THE WITNESS: Yes, wind, sorry. 11:34:59	20	is 29 cents, I think, per kilowatt hour for the 11:36:04
21	MR. BISHOP: Okay. But did those 11:35:02	21	liquidated, unless so, it's in the 10s of 11:36:07
22	projects go forward? Did they go forward to 11:35:03	22	thousands, generally, depending how far out you go, 11:36:11
23	completion? 11:35:06	23	but in the last credit agreement we had sorry, 11:36:13
24 25	THE WITNESS: Yeah, they've all been 11:35:07	24 25	per day, so it's I want to say it was \$60,000 11:36:17
25	built, so all of the in my example of the 11:35:08	25	a day, but it depends on how many kWs you have, how 11:36:20
		l .	
	Page 122		Page 123
1	Page 122 many megawatts you have, but it's a standard term in 11:36:26	1	Page 123 provisions were respected with the OPA. And I tried 11:37:41
1 2	many megawatts you have, but it's a standard term in 11:36:26 the agreement. And I'm sorry, I just can't remember 11:36:30	1 2	provisions were respected with the OPA. And I tried 11:37:41 to explain, as well, that the OPA often would give 11:37:47
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	many megawatts you have, but it's a standard term in 11:36:26 the agreement. And I'm sorry, I just can't remember 11:36:30 off the top. I think it's 29 cents a kilowatt. 11:36:32 THE CHAIR: And I think you made 11:36:38 reference to change of control provision. 11:36:39 THE WITNESS: Right. 11:36:42 MR. BISHOP: Have you seen examples of 11:36:43 projects that were sold, as early as a stage, like 11:36:46 the Windstream project in this case? 11:36:49 THE WITNESS: Prior to NTP, yes. Or 11:36:52 even in the FIT contract stage, yes. And again in 11:36:58 a mad rush to get the FIT contracts because they 11:37:03 were seen as very valuable, there was a lot of 11:37:05 international interest and there was a lot of 11:37:07 experienced national developers who were here, who 11:37:10 may have not been successful in the first-round. 11:37:15 them more equity and more experience, and so they 11:37:20 contracts to develop through, so we did see that. 11:37:24 There's very there's very precise 11:37:26 controls on the change of control. You need to 11:37:28	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	provisions were respected with the OPA. And I tried 11:37:41 to explain, as well, that the OPA often would give 11:37:47 an opinion as to whether or not the structure that 11:37:50 you were proposing to move forward through that 11:37:52 early stage development was respectful of the 11:37:54 prohibition on change of control prior to COD. So, 11:37:56 again, I tried to set that out in the report, but 11:38:00 I did see early stage and lots of interest as 11:38:04 well, because there was only so many contracts 11:38:07 issued for the large-megawatts. 11:38:13 MR. BISHOP: Is there anyway to 11:38:17 determine a rule of thumb, as to what sort of 11:38:18 discount is applied in selling those projects at 11:38:20 a particular stage? 11:38:23 THE WITNESS: I can't comment on that. 11:38:35 MR. BISHOP: Thank you. 11:38:36 DR. CREMADES: I understand that you 11:38:33 former Minister spoke about his decision on 11:38:36 moratorium? 11:38:42 THE WITNESS: Right. 11:38:44

Page 124 Page 125 1 1 11:40:06 decided because you have spoken about transparency 11:38:51 run-off have been addressed. 2 2 concerning noise, but he was very dramatic on the 11:38:55 Could there be legacy impacts from 11:40:08 3 3 drinking water. I mean you, as an experienced years of industrial and surface water run-off? Yes. 11:40:11 4 4 environment lawyer, what was your reaction listening 11:39:04 But part of that would be managed through the 11:40:13 5 5 11:39:09 surface water process. 11:40:15 6 6 THE WITNESS: So, I think I said to my 11:39:10 So, what I found, again, and I use 11:40:17 7 7 friend that I was perplexed by the reliance on the 11:39:12 "Perplexing" because I don't have any insider 11:40:19 8 precautionary principle. 11:39:16 8 information as to how the moratorium came about, but 11:40:24 9 9 One of the reasons was is that we 11:39:17 for one Deputy Minister and one Minister to sit in 11:40:26 10 10 do -- our clients do a lot of work in the lakes and 11:39:19 a room, and make such an important decision relying 11:40:29 11:40:33 11 as you can imagine, there's lots of development in 11:39:22 11 on one person's information when the 12 12 11:40:37 the lakes. And we have -- our clients have, the 11:39:25 Ministry of Natural Resources that has more 13 regulator has a lot of experience dealing with 13 expertise in inland lake had already got comfortable 11:40:40 11:39:28 14 14 with inland construction for offshore wind I don't 11:40:44 sediment. 11:39:30 15 15 Part of the -- part of the requirement 11:39:31 understand. 11:40:48 16 16 for any offshore works is sediment control and part 11:39:35 So other than being perplexed, I can 11:40:48 17 17 of that would be confirming that it wasn't impacted, 11:39:39 say that that's why I said to my friend that I was 11:40:50 18 so, I was a bit surprised. When you're talking 18 surprised that the moratorium was issued without 11:40:52 19 about projects that are five kilometres offshore and 11:39:44 19 more transparency and more robust discussions about 11:40:54 20 20 11:39:47 would be -- typically where we see the most what the risks were because from a drinking water 11:40:58 21 21 contamination is near-shore and that's relatively 11:39:50 perspective, it was not seen as the driver of the 11:41:00 22 22 well understood because there has been a lot of work 11:39:55 setback. 11:41:07 23 23 done with our friends in the US to ensure that any 11:39:57 So, again, I found that surprising. 11:41:07 24 of the contaminated sites that are profoundly 11:39:59 24 And I find it very surprising that there isn't 11:41:10 25 contaminated by rivering or any surface water 11:40:03 25 a more full record on that policy decision because 11:41:15 Page 126 Page 127 1 1 it was a very significant policy decision in light 11:41:19 contamination? 11:42:29 2 2 of a commitment to move forward with renewable THE WITNESS: Right. And, again, I am 11:42:37 3 3 energy because many experts would say that in water, 11:41:25 not sure I can add much more, except it was 11:42:37 4 is perhaps a better place to put it. 11:41:29 4 surprising to me not consistent with how the 11:42:41 5 One, you've got the practical 11:41:35 5 Ministry had regulated in the past. 11:42:44 6 realities that your experts will talk to, but also 11:41:37 6 DR. CREMADES: You have been with 11:42:47 7 from a neighbour perspective. I mean, we have had 11:41:39 7 Windstream during this process of contacting the 11:42:48 8 8 a very fractious debate in Ontario about on-shore 11:41:41 power company administration. 11:42:51 9 9 What is your impression? Were they wind. 11:41:46 11:42:53 10 10 treated unfairly and how do you think we could I have spent -- as the court reporter 11:41:46 11:42:55 11 11 has spent with me, months in places where people are 11:41:48 evaluate that because, at the end, we have to 11:43:00 12 12 very angry, very angry about on-shore wind, so again 11:41:52 evaluate that. Help us, the Tribunal, to achieve 11:43:02 13 13 from a policy perspective -- I'm not a policy 11:41:57 there is really a point we should take into 11:43:06 14 14 expert -- I would only say that it seemed to me to 11:42:00 consideration about unfair treatment of your plants? 11:43:09 15 be a very brief, you know, conversation about a very 11:42:03 15 THE WITNESS: So, my involvement 11:43:13 16 16 important policy issue, not with the transparency 11:42:06 really started in 2013 when I got a call from Torys 11:43:15 17 17 that the Minister was committed to the precautionary 11:42:09 to look at documents. 11:43:21 18 18 principle. 11:42:12 So what I have in front of me is 11.43.24 19 19 a subset of the record, so I don't have the full 11:43:25 Part of the precautionary principle is 11:42:13 20 20 commitment to transparency and making sound, 11:42:15 record and I don't have any insight to the politics. 11:43:28 21 science-based decisions. And I don't know how we 11:42:17 21 All I can say, again, from a level of 11:43:31 22 22 did that or know that we did that because there 11:42:20 being perplexed is that -- is that the -- for all of 11:43:33 23 23 wasn't that public debate. 11:42:22 the other projects that I've worked on, there has 11:43:43 11:42:25 24 24 DR. CREMADES: How about avoiding been one -- a significant level of goodwill from the 11:43:45 25 panicking the people about drinking water 11:42:26 25 Ministry of the Environment, from the 11:43:49

	Page 128		Page 129
1		1	why if it really was a knowledge gap that wanted 11:45:01
2	Ministry of Natural Resources to move these 11:43:52 projects to bring them to life and I think when 11:43:53	2	to be filled, why that knowledge gap couldn't have 11:45:05
3	you look at the megawatts that have been brought to 11:43:55	3	been filled in a timely manner. 11:45:07
4	life, it really has been a fundamental shift in 11:43:57	4	So, was that unfair or fair, I don't 11:45:09
5	Ontario's approach to renewable energy, which 11:44:02	5	know I have any understanding what that means, other 11:45:11
6	I think is a really important development, given the 11:44:04	6	than I find it an unreasonable position to not move 11:45:15
7	challenges we face on climate. And I think Ontario 11:44:06	7	forward, if indeed you thought there was knowledge 11:45:20
8	has done some good stuff moving that forward, but 11:44:09	8	gaps. 11:45:22
9	what I don't understand, and again I'm not sure I'm 11:44:13	9	Again, in light of everything we heard 11:45:23
10	in a position to talk about fairness, but what 11:44:15	10	from the MNR, and remember the MNR are really the 11:45:24
11	I don't understand is why this project, in 11:44:18	11	experts in my experience with in-water construction, 11:45:27
12	particular, faced the moratorium which, again, 11:44:20	12	those are the entities that they're the 11:45:31
13	I think was not reasonable to assume would happen. 11:44:23	13	ministerial you know they talked about the MNR 11:45:35
14	In my experience based on everything that happened, 11:44:25	14	world. In the MNR world, they are the ones who 11:45:38
15	and in the face of the moratorium, to not then 11:44:29	15	the Ministry defers to for species-at-risk, on fish 11:45:41
16	proceed with good science, to address any knowledge 11:44:33	16	habitat and how you mitigate those risks. So, if 11:45:46
17	gaps that the Ministry feels exist because when 11:44:36	17	they were comfortable and it was purely driven by 11:45:49
18	I look at the MNR's record, who we heard from 11:44:39	18	a drinking water issue, surely that could have 11:45:51
19	yesterday, the MNR who has the expertise in in-water 11:44:42	19	been you know, and, again, Ontario, again, is 11:45:53
20	experience for fish and fish habitat, they said they 11:44:46	20	very Lake Ontario has been extremely well-studied 11:45:56
21	were comfortable. 11:44:48	21	for a hundred years on current and sediment and so 11:46:00
22	They have the experience on 11:44:50	22	I still don't understand the rationale. 11:46:05
23	species-at-risk with respect to bird and bat strike 11:44:51	23	So, in that way, is that unfair to not 11:46:06
24	and they said they were comfortable. So, again, 11:44:54	24	have a transparent and science-based rationale? To 11:46:10
25	I don't understand, as an outsider to the process, 11:44:57	25	me, it is. But does that meet your test, I don't 11:46:14
	D 120		D 101
	Page 130		Page 131
1	know. 11:46:17	1	PRESIDENT: That's the offshore wind 11:47:28
2	know. 11:46:17 PRESIDENT: A couple of further 11:46:22	2	PRESIDENT: That's the offshore wind 11:47:28 facility report, you are talking about? 11:47:29
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2 3 4 5 6 7 8 9 10 11 12	know. 11:46:17 PRESIDENT: A couple of further 11:46:22 questions: I understand you explain in the 11:46:23 beginning of your cross-examination that there would 11:46:26 be what difference in the permitting process for 11:46:29 on-shore and offshore that a reasonable expectation 11:46:32 for on-shore wind was that it would have been 11:46:35 that the permitting process would have been 11:46:38 completed in two years and for offshore three years. 11:46:41 Is that a correct understanding of 11:46:44 your testimony? 11:46:46 THE WITNESS: Yes, I mean because, 11:46:47 again, my understanding of the process which is 11:46:49	2 3 4 5 6 7 8 9 10 11 12 13	PRESIDENT: That's the offshore wind 11:47:28 facility report, you are talking about? 11:47:29 THE WITNESS: report that's set out 11:47:29 in the Green Energy that the renewable energy 11:47:31 regulation that was brought in force in September of 11:47:33 2009. 11:47:36 So, to me, I was trying to estimate, 11:47:36 you know and when we were talking to clients, 11:47:38 about timing, generally, we thought, you know, more 11:47:42 or less that you could get through the REA process 11:47:47 in about two years and then you add on, maybe, plus 11:47:49 or minus 12 months to finish that environmental 11:47:51 assessment-like concept sitting on top. 11:47:54
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	know. 11:46:17 PRESIDENT: A couple of further 11:46:22 questions: I understand you explain in the 11:46:23 beginning of your cross-examination that there would 11:46:26 be what difference in the permitting process for 11:46:39 on-shore and offshore that a reasonable expectation 11:46:32 for on-shore wind was that it would have been 11:46:35 that the permitting process would have been 11:46:38 completed in two years and for offshore three years. 11:46:41 Is that a correct understanding of 11:46:44 your testimony? 11:46:46 THE WITNESS: Yes, I mean because, 11:46:47 again, my understanding of the process which is 11:46:49 different, obviously, than Canada's witnesses, but 11:46:52 our I think our and when I say environmental 11:46:56 lawyers sitting around the room, we knew that you 11:47:00 had to do this water report. 11:47:02 The water report, to me, was 11:47:04 an environmental assessment document. It talked 11:47:06 about you have to identify the environment. You 11:47:09 have to assess the impacts. You have to propose 11:47:16	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	PRESIDENT: That's the offshore wind 11:47:28 facility report, you are talking about? 11:47:29 THE WITNESS: report that's set out 11:47:29 in the Green Energy that the renewable energy 11:47:31 regulation that was brought in force in September of 11:47:33 2009. 11:47:36 So, to me, I was trying to estimate, 11:47:36 you know and when we were talking to clients, 11:47:38 about timing, generally, we thought, you know, more 11:47:42 or less that you could get through the REA process 11:47:47 in about two years and then you add on, maybe, plus 11:47:49 or minus 12 months to finish that environmental 11:47:51 assessment-like concept sitting on top. 11:47:54 Again, I admit I was wrong. I did not 11:47:59 get that right and that's when you come with the 11:48:01 hindsight to say: Well, would you have been treated 11:48:04 commercially reasonable as water power has been, as 11:48:07 any project you know there are large projects 11:48:14 significant extensions. Under the blanket 11:48:16 extension, would you have been treated similarly? 11:48:18 With hindsight, I think it's fair to 11:48:23

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	Page 132		Page 133
1	you were advising proponents of on-shore projects at 11:48:30	1	position was was that that model was not appropriate 11:49:37
2	the time? 11:48:36	2	to deal with noise and how noise travels across 11:49:40
3	THE WITNESS: On-shore projects at the 11:48:37	3	water. 11:49:43
4	time, but we were also generally we were 11:48:38	4	Now, we know that because in the 11:49:43
5	approached by my focus was absolutely on on-shore 11:48:40	5	Wolfe Island, for example, your noise modelling 11:49:45
6	because that's where the bulk of the contracts were, 11:48:44	6	would have considered, how does how is noise 11:49:48
7	but we were talking generally to clients from our 11:48:46	7	affected by traveling across water as opposed to 11:49:51
8	who came from Europe and the United States who were 11:48:49	8	land and what are the impacts to the noise receptors 11:49:54
9	looking at this program because it was a very 11:48:52	9	onshore from the Wolfe Island? 11:49:56
10	attractive program. 11:48:53	10	So, their environmental assessment 11:49:58
11	And we talked generally about 11:48:55	11	would have considered that. It is not that it was 11:50:00
12	permitting risk and permitting gaps, so we did touch 11:48:57	12	novel, but it wasn't standardized, so your modelling 11:50:03
13	on that report, and so but I'm trying to put 11:48:59	13	would have to work through the Ministry and that 11:50:06
14	myself back into 2010, and in 2010 I'm thinking what 11:49:02	14	would take more time dealing with dealing with 11:50:08
15	would I have done at that time and that's kind of 11:49:07	15	the regulators on making them comfortable that 11:50:12
16	where I got to. 11:49:12	16	you've assessed the risk properly based on your 11:50:16
17	PRESIDENT: So it is mainly the 11:49:16	17	site-specific conditions. The wind folks didn't 11:50:19
18	offshore wind facilities report that would have 11:49:17	18	have to do that they on-shore, sorry, they had 11:50:21
19	taken the extra year to complete, which sort of 11:49:19	19	their model all ready. 11:50:25
20	there was an extra step in the process for offshore 11:49:21	20	They then applied the model in their 11:50:27
21	wind that didn't exist for on-shore wind? 11:49:24	21	noise report and it was prescriptive. So you plug 11:50:28
22	THE WITNESS: For on-shore. You see, 11:49:27	22	in all the variables in your model and you come out 11:50:32
23	on-shore too had had standardized setbacks and a 11:49:28	23	with setbacks that meet the 40-decibel sound level 11:50:35
24	noise model that considered the propagation of noise 11:49:31	24	because that was in the regulation. 11:50:40
25	traveling across land. And what the Ministry's 11:49:35	25	The wind guys offshore wind would 11:50:42
	Page 134		Page 135
1	not have had the comfort of a model. They would 11:50:45	1	additional issues that they wanted to see for, in 11:51:59
2	have had to come up with their own modelling to 11:50:47	2	-
3			addition to the offshore report and, again, none of 11:52:02
4	confirm that the noise receptors on shore would have 11:50:49	3	addition to the offshore report and, again, none of 11:52:02 those you had to identify shipping channels. You 11:52:05
-	confirm that the noise receptors onshore would have 11:50:49 satisfied the 40-decibels, as well as and I set 11:50:53		those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08
5	satisfied the 40-decibels, as well as and I set 11:50:53	3	those you had to identify shipping channels. You 11:52:05
	satisfied the 40-decibels, as well as and I set 11:50:53 out in my report, there was other things they would 11:50:57	3 4	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11
5	satisfied the 40-decibels, as well as and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59	3 4 5	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11
5 6	satisfied the 40-decibels, as well as and I set 11:50:53 out in my report, there was other things they would 11:50:57	3 4 5 6	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11
5 6 7	satisfied the 40-decibels, as well as — and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03 impacts to fish, fish habitat impact, that type of 11:51:04	3 4 5 6 7	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14 So, none of those were new or novel to me, so, when 11:52:16
5 6 7 8	satisfied the 40-decibels, as well as and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03	3 4 5 6 7 8	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14
5 6 7 8 9	satisfied the 40-decibels, as well as — and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03 impacts to fish, fish habitat impact, that type of 11:51:04 issue. But, again, my experience with in-shore and 11:51:08	3 4 5 6 7 8	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14 So, none of those were new or novel to me, so, when 11:52:16 I again when I use the word "gating issue" what 11:52:20
5 6 7 8 9	satisfied the 40-decibels, as well as — and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03 impacts to fish, fish habitat impact, that type of 11:51:04 issue. But, again, my experience with in-shore and 11:51:08 we've done a lot of inshore, both in lake and 11:51:13	3 4 5 6 7 8 9	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14 So, none of those were new or novel to me, so, when 11:52:16 I again when I use the word "gating issue" what 11:52:20 to me was more the noise modelling, was to get that 11:52:23
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5 6 7 8 9 10 11 12	satisfied the 40-decibels, as well as — and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03 impacts to fish, fish habitat impact, that type of 11:51:04 issue. But, again, my experience with in-shore and 11:51:08 we've done a lot of inshore, both in lake and 11:51:13 rivering circumstances. That process was not new. 11:51:17 It would just have to be applied to a new type of 11:51:21 construction project to confirm there was no 11:51:25	3 4 5 6 7 8 9 10 11 12 13	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14 So, none of those were new or novel to me, so, when 11:52:16 I again when I use the word "gating issue" what 11:52:20 to me was more the noise modelling, was to get that 11:52:23 right because that wouldn't have been something that 11:52:27 the Ministry was going to allow us to take on-shore 11:52:28 experience and just do that. Any offshore 11:52:32
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5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	satisfied the 40-decibels, as well as — and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03 impacts to fish, fish habitat impact, that type of 11:51:04 issue. But, again, my experience with in-shore and 11:51:08 we've done a lot of inshore, both in lake and 11:51:13 rivering circumstances. That process was not new. 11:51:17 It would just have to be applied to a new type of 11:51:21 construction project to confirm there was no 11:51:25 unacceptable risk. So I was trying to factor in 11:51:27 what is that time period to do that work. 11:51:31 It is not novel work, but it's unique 11:51:33 to the site and it's site-specific work. 11:51:39 modelling work, there would have been no additional 11:51:40	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14 So, none of those were new or novel to me, so, when 11:52:16 I again when I use the word "gating issue" what 11:52:20 to me was more the noise modelling, was to get that 11:52:23 right because that wouldn't have been something that 11:52:27 the Ministry was going to allow us to take on-shore 11:52:28 experience and just do that. Any offshore 11:52:32 development and including Wolfe Island because 11:52:36 they are on an Island and noise travels, obviously, 11:52:38 and I actually just thinking about it. I didn't 11:52:41 think about Amherst Island how they dealt with 11:52:47 REA, so they would have factored in because they 11:52:51 a little late in the day to bring that up. So, that 11:52:54
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	satisfied the 40-decibels, as well as — and I set 11:50:53 out in my report, there was other things they would 11:50:57 have had to do as part of that EA-like assessment. 11:50:59 They would have had to consider noise 11:51:03 impacts to fish, fish habitat impact, that type of 11:51:04 issue. But, again, my experience with in-shore and 11:51:08 we've done a lot of inshore, both in lake and 11:51:13 rivering circumstances. That process was not new. 11:51:17 It would just have to be applied to a new type of 11:51:21 construction project to confirm there was no 11:51:25 unacceptable risk. So I was trying to factor in 11:51:27 what is that time period to do that work. 11:51:31 It is not novel work, but it's unique 11:51:33 to the site and it's site-specific work. 11:51:36 PRESIDENT: But apart from that 11:51:39 modelling work, there would have been no additional 11:51:40 steps in terms of permitting that would have been 11:51:43 different? 11:51:46 THE WITNESS: Under the APRD, which is 11:51:47	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	those you had to identify shipping channels. You 11:52:05 had to consider fish. You had to consider fish 11:52:08 habitat. 11:52:11 All of those are steps that we would 11:52:11 take, in any event, in any in-water development. 11:52:14 So, none of those were new or novel to me, so, when 11:52:16 I again when I use the word "gating issue" what 11:52:20 to me was more the noise modelling, was to get that 11:52:23 right because that wouldn't have been something that 11:52:23 right because that wouldn't have been something that 11:52:27 the Ministry was going to allow us to take on-shore 11:52:28 experience and just do that. Any offshore 11:52:32 development and including Wolfe Island because 11:52:36 they are on an Island and noise travels, obviously, 11:52:38 and I actually just thinking about it. I didn't 11:52:41 think about Amherst Island how they dealt with 11:52:47 REA, so they would have factored in because they 11:52:49 are on an island how noise traveled, but that's 11:52:51 a little late in the day to bring that up. So, that 11:52:54 modelling would have been unique to offshore. 11:52:57
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Mr. Bishop already touched upon it's the -- you

under the MNRs' approval process, they had some

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11:53:10

	Page 136		Page 137
1	concluded that the FIT contract creates a bundle of 11:53:12	1	Typically, it is the LifeCos of the 11:54:19
2	rights for the holder. It's an asset. It's a 11:53:16	2	world and some European and American banks because 11:54:22
3	valuable asset in a bankrupt and so on, but at the 11:53:18	3	they like the 20-year process. So the LifeCos, what 11:54:28
4	same time you explained that there were limitations 11:53:21	4	they wanted to ensure was that they had they 11:54:31
5	on the control which I understand were in the FIT 11:53:23	5	could get step into the shoes of a developer, so 11:54:35
6	contract or in the regulations. 11:53:29	6	when you look at the ability of a secured lender to 11:54:39
7	THE WITNESS: In the FIT contract. 11:53:30	7	secure that asset, they are very robust. I think 11:54:42
8	PRESIDENT: That's what I wanted to 11:53:32	8	and were very well thought of and mindful of 11:54:45
9	understand. So what would have been the limitations 11:53:33	9	ensuring that a secured lender could step into the 11:54:47
10	on the transferability of that right? Would you 11:53:35	10	shoes of. 11:54:50
11	have been able to how, if at all, would you have 11:53:38	11	So, there's a secured lender 11:54:50
12	been able to sell the FIT contract, once you secured 11:53:44	12	agreement. The agreement during the life of 11:54:51
13	it to another party? 11:53:48	13	the secured lender agreement can't be amended or 11:54:55
14	THE WITNESS: So, first on the 11:53:49	14	terminated. If it is going to be terminated, the 11:54:58
15	mortgageability of it so, I'll just start there 11:53:50	15	OPA needs to give notice to the lender. 11:55:01
16	because that's easier. So on the mortgageability of 11:53:53	16	The lender has a right to rectify the 11:55:03
17	it, the FIT contract, I think a lot of work went 11:53:55	17	default and to step into the shoes, so there is all 11:55:06
18	into it, to ensure that a secured lender had had 11:53:58	18	of those rights. 11:55:09
19	secured lender rights that were very robust. So 11:54:02	19	So, is it an asset? Yes, in the sense 11:55:11
20	when you look at the FIT contract, you have the 11:54:04	20	that it can be mortgaged. On the change of control 11:55:12
21	secured lender's agreement. So, from a financing 11:54:07	21	provisions, they are set out in the FIT contract. 11:55:16
22	perspective what was important to our clients who 11:54:09	22	The change of control prior to COD are 11:55:18
23	are the life insurance companies because again, 11:54:12	23	limited; it is only with the content of the OPA. 11:55:22
24	just so to be clear, Canadian banks typically don't 11:54:14	24	And the issue there was 11:55:25
25	finance the long term. 11:54:18	25	PRESIDENT: Did it say anything on 11:55:26
	Page 138		Page 139
1	what conditions the consent can be refused? 11:55:28	1	the OPA being reasonable. The OPA would permit you 11:56:24
	THE WITNESS: No, prior to COD it is 11:55:34	2	
2.			to you precent your structure and your structure 11.36.78
2		1	to you present your structure, and your structure 11:56:28
3	at absolute discretion, but there are exceptions 11:55:37	3	is, okay, this is how I'm going to restructure the 11:56:31
3 4	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40	3 4	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34
3 4 5	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40 transfer it to related parties. 11:55:42	3 4 5	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34 that's holding the 25 per cent. Does that meet the 11:56:37
3 4 5 6	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40 transfer it to related parties. 11:55:42 There's also exceptions that as long 11:55:44	3 4 5 6	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34 that's holding the 25 per cent. Does that meet the 11:56:37 test? And essentially our clients would pay for the 11:56:39
3 4 5 6 7	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40 transfer it to related parties. 11:55:42 There's also exceptions that as long 11:55:44 as the supplier holds 25 per cent of the economic 11:55:46	3 4 5 6 7	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34 that's holding the 25 per cent. Does that meet the 11:56:37 test? And essentially our clients would pay for the 11:56:39 OPA's external lawyers to review that structure, and 11:56:42
3 4 5 6	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40 transfer it to related parties. 11:55:42 There's also exceptions that as long 11:55:44 as the supplier holds 25 per cent of the economic 11:55:46 interest that you can that is not deemed 11:55:52	3 4 5 6	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34 that's holding the 25 per cent. Does that meet the 11:56:37 test? And essentially our clients would pay for the 11:56:39 OPA's external lawyers to review that structure, and 11:56:42 that they would bless the structure, so, that we 11:56:47
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40 transfer it to related parties. 11:55:42 There's also exceptions that as long 11:55:44 as the supplier holds 25 per cent of the economic 11:55:46 interest that you can that is not deemed 11:55:52 a prohibited change of control. 11:55:54 So I tried to set out in our report 11:55:55 some examples of where our clients came up with 11:56:02 structures to meet that 25 per cent economic 11:56:05 interest in the project for the 11:56:07 PRESIDENT: Sorry, just so I 11:56:09 understand, the original proponent must retain at 11:56:09 least 25 per cent. 11:56:11 THE WITNESS: Yes, prior to COD. 11:56:13 PRESIDENT: Prior to COD. 11:56:13 THE WITNESS: Right. And that post 11:56:13 COD. 11:56:13 PRESIDENT: So you could sell 75 per 11:56:14	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34 that's holding the 25 per cent. Does that meet the 11:56:37 test? And essentially our clients would pay for the 11:56:39 OPA's external lawyers to review that structure, and 11:56:42 that they would bless the structure, so, that we 11:56:47 knew that we didn't have an event of default because 11:56:49 our clients had unlawfully had a change of control. 11:56:52 So, again, I'm not a pure corporate 11:56:58 lawyer, so the I work with corporate lawyers on 11:57:01 trying to do that structuring, but it was very 11:57:05 important, obviously, that you not breach the FIT 11:57:07 contract by having an unlawful change of control so 11:57:13 the OPA blessed those change of controls prior to 11:57:16 COD. 11:57:20 PRESIDENT: For instance, if then 11:57:23 original proponent to somebody else and then there 11:57:26
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	at absolute discretion, but there are exceptions 11:55:37 there and there are certain exceptions that you can 11:55:40 transfer it to related parties. 11:55:42 There's also exceptions that as long 11:55:44 as the supplier holds 25 per cent of the economic 11:55:46 interest that you can that is not deemed 11:55:52 a prohibited change of control. 11:55:54 So I tried to set out in our report 11:55:55 some examples of where our clients came up with 11:56:02 structures to meet that 25 per cent economic 11:56:05 interest in the project for the 11:56:07 PRESIDENT: Sorry, just so I 11:56:09 understand, the original proponent must retain at 11:56:09 least 25 per cent. 11:56:11 THE WITNESS: Yes, prior to COD. 11:56:13 PRESIDENT: Prior to COD. 11:56:13 THE WITNESS: Right. And that post 11:56:13 COD. 11:56:13 PRESIDENT: So you could sell 75 per 11:56:14 cent, if you had 100 per cent of it. 11:56:14	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	is, okay, this is how I'm going to restructure the 11:56:31 project, company, and this is the original supplier 11:56:34 that's holding the 25 per cent. Does that meet the 11:56:37 test? And essentially our clients would pay for the 11:56:39 OPA's external lawyers to review that structure, and 11:56:42 that they would bless the structure, so, that we 11:56:47 knew that we didn't have an event of default because 11:56:49 our clients had unlawfully had a change of control. 11:56:52 So, again, I'm not a pure corporate 11:56:58 lawyer, so the I work with corporate lawyers on 11:57:01 trying to do that structuring, but it was very 11:57:05 important, obviously, that you not breach the FIT 11:57:07 contract by having an unlawful change of control so 11:57:13 the OPA blessed those change of controls prior to 11:57:16 COD. 11:57:20 PRESIDENT: For instance, if then 11:57:23 original proponent to somebody else and then there 11:57:26 was a default, could that 25 per cent be held 11:57:29
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Page 140 Page 141 1 1 THE WITNESS: Yeah, if they had 11:57:45 developers and to lenders to ensure that you could 11:58:54 2 2 a secured creditor agreement. 11:57:46 get the requisite degree of equity into these 11:58:59 3 3 And the idea there was that -- and, 11:57:48 projects, prior to COD. And then once you get got 11:59:03 4 4 again, when I talked about the fast and furious pace 11:57:49 to the NTP, then you could get into the debt, but 11:59:06 5 5 of the evolution of the OPA contract, you can you weren't going to get into the debt, in my 11:59:09 6 6 compare the first version of the OPA contract draft 11:57:55 experience, prior to the NTP because you didn't have 11:59:11 7 7 to where it ultimately ended up and there was months 11:57:58 what the LifeCos of the world wanted. But they 11:59:14 8 of secured creditors in there making sure that these 11:58:01 8 wanted to know that up until that process, these 11:59:20 9 9 were bankable because that was the driving force to 11:58:04 projects could be viable. And to get in that 11:59:22 10 10 ensure it was financeable. additional equity, generally, to do that you needed 11:59:24 11 So, in that process, originally there 11:58:08 11 to have these change of control provisions and the 11:59:26 12 12 OPA understood that. The OPA was flexible and, was a prohibition on change of control for two years 11:58:11 11:59:28 13 after I think COD, I believe it was, and so you saw, 11:58:16 13 again, I think commercial in their response by 11:59:31 14 14 as they went through the process, the lenders loosening up the controls on that. 11:59:35 11:58:21 15 15 were -- and the developers were very clear. You PRESIDENT: And these transactions 11:59:36 16 16 cannot develop these scales of projects, especially 11:58:27 took place, additional equity came from third 11:59:38 17 17 in 2008 when capital was so constrained, and I think 11:58:29 parties that were not parties -- parties other than 11:59:40 18 we have to put our -- you know, our hats back on, 11:58:32 18 the initial proponent? 19 what it really was like at those times. 19 THE WITNESS: Yes, yes, yeah. 11:59:45 11:58:35 20 20 Because capital was so constrained, we 11:58:38 PRESIDENT: Thank you very much. Do 11:59:46 21 21 need to ensure that these projects can mature these questions from the Tribunal give rise to any 11:59:47 11:58:40 22 22 through the natural -- maturation of a large-scale 11:58:43 questions from the parties, additional questions? 11:59:49 23 23 project. And to do that you need to get in new 11:58:47 MS. WATES: Not from us. Thank you. 11:59:54 24 equity. So to get in equity, that was the change of 11:58:49 24 PRESIDENT: Thank you. 11:59:55 25 control provision. That was the "give" to 11:58:53 25 MR. TERRY: Just a couple of 11:59:56 Page 142 Page 143 1 11:59:57 1 about financability and you talked about some of the 12:01:35 2 2 PRESIDENT: Okay. Thank you. 11:59:58 clients you worked with, lenders with respect to 3 FURTHER RE-EXAMINATION BY MR. TERRY: 12:00:13 3 wind projects in Ontario, and I think you mentioned 12:01:46 4 Q. Do you recall Dr. Cremades asking 12:00:22 4 insurance companies. I'd like to ask you to expand 12:01:52 5 you a question and he had said that -- he had asked 12:00:23 5 on that a little bit. 12:01:56 6 that prefaced the question by saying when you were 12:00:28 6 Could you give some sense as to the 12:01:58 7 working with Windstream during the process of 12:00:31 7 terms of numbers of insurance companies. You 12:02:01 8 8 dealing with the administration, and you responded 12:00:34 mentioned American banks, European banks or others 12:02:06 9 that you were first retained by us at Torys in 2013. 12:00:37 9 that were interested in providing financing, either 12:02:09 10 Can you clarify just so it's clear, 12:00:44 10 equity or debt in these projects? 12:02:14 11 11 your role as a witness in this proceeding? 12:00:46 A. Sure. So, again, the Canadian 12:02:16 12 A. Yes, so I was called in 2013 to 12:00:47 12 banks are more conservative. 12:02:21 13 13 see if I was available to provide an opinion on The Canadian banks, typically in my 12:02:23 14 14 regulatory risk, and then at that point I was given 12:00:55 experience, anyway, like a 7 to 10-year debt term, 12:02:24 15 a limited amount of documents that I -- sorry, 15 so that means you have to refinance and that 12:02:28 16 a subset of what everybody else here has seen in the 12:01:03 16 obviously exposes you to risk on refinancing and the 12:02:31 17 17 sense of the key documents to make the determination 12:01:06 cost of that. 12:02:35 18 on regulatory uncertainty. 12:01:09 18 So, in Canada though we have a very 12:02:36 19 So my job, as an expert, was merely to 12:01:10 19 robust lending market in the insurance companies and 12:02:40 20 look at that regulatory uncertainty and the issue of 12:01:13 20 so, you know, our own firm has been involved in 12:02:43 21 whether or not the contract was personal property. 12:01:16 21 billions of dollars of FIT financings through 12:02:46 22 Sorry if I misspoke; that was my job. 12:01:19 22 LifeCos. So Manufacturers Life, Sun Life, Canada 12:02:50 23 Q. And you mentioned -- do you recall 12:01:24 23 Life, those entities are keen and very much like the 12:02:54 24 in answer to -- I think it was a question of the 12:01:27 24 FIT contract because of its long term pay-back term 12:02:58 25 president, as I recall, who was asking you questions 12:01:29 25 of the contract. 12:03:02

	Page 144		Page 145
1		1	
2	That said, even though there was not 12:03:03	2	A. Well, on the equity side the large 12:04:22
3	the uptake in the Canadian banks because they didn't 12:03:05 have the experience with it, we, for example, 12:03:07	3	developers are here and bring with them, you know, 12:04:24 in many cases, have brought with them their own 12:04:26
4		4	· · ·
5	,	5	significant balance sheet equity. 12:04:29
6	\$800 million debt financing, there was 15 banks 12:03:16 involved sorry, 15 entities involved. Those 12:03:21	6	So, there's again, when you 12:04:31
7	· · · · · · · · · · · · · · · · · · ·	7	actually look at the megawatts that have been built, 12:04:34 thousands of them, and the large nature of those 12:04:37
8		8	
9	companies. There may have been one Canadian bank in 12:03:29	9	projects that have been completed, it's because that 12:04:40
10	there too. 12:03:31 So, financing has not been and 12:03:32	10	equity was available, and again, it was because this 12:04:43 OPA program was a very generous program. 12:04:46
11	So, financing has not been and 12:03:32 I think it's because the OPA did a good job on the 12:03:35	11	
12	up-front of making sure that these have been 12:03:39	12	Q. And have you seen any involvement 12:04:50 in with respect to contractors or suppliers 12:04:54
13	financeable. There have been no issues with 12:03:42	13	in with respect to contractors or suppliers 12:04:54 getting involved in financing projects? 12:04:58
14	insuring that good projects got financed from 12:03:45	14	A. Yes, so, in some circumstances 12:05:00
15	a lender perspective. 12:03:47	15	turbine manufacturers have got involved I'm 12:05:03
16	I mean, that capital the unleashing 12:03:48	16	trying to think of what other suppliers, but 12:05:08
17	of the capital this contract was supposed to do, it 12:03:50	17	certainly in that case, there has been and I guess 12:05:10
18	was successful. And so we've dealt with numerous 12:03:52	18	in solar, the solar manufacturers have been 12:05:12
19	German lenders. We've dealt with numerous US 12:03:58	19	involved, as well. 12:05:15
20	lenders and then, as I said, my only experience has 12:04:03	20	My big projects that hasn't been the 12:05:17
21	been with Canadian LifeCos, but there is three major 12:04:07	21	case; they've been joint ventures with developers, 12:05:19
22	LifeCos that have been very active in the market. 12:04:10	22	as opposed to suppliers. 12:05:23
23	Does that answer 12:04:13	23	Q. And just finally, any involvement 12:05:25
24	Q. Yeah, and does that cover off the 12:04:16	24	with the pension funds, infrastructure funds or 12:05:27
25	equity side, as well as the debt side? 12:04:17	25	A. I haven't because most of my work 12:05:30
			12.00.00
	Page 146		Page 147
1	_	1	•
1 2	Page 146 has been with the LifeCos, but those pension funds have been active, as well. 12:05:35	1 2	were not uncomfortable with wind, like they were 12:06:48
	has been with the LifeCos, but those pension funds 12:05:32 have been active, as well. 12:05:35		•
2	has been with the LifeCos, but those pension funds 12:05:32 have been active, as well. 12:05:35	2	were not uncomfortable with wind, like they were 12:06:48 with solar to begin with, so they were there in the 12:06:52
2	has been with the LifeCos, but those pension funds 12:05:32 have been active, as well. 12:05:35 Again, what you're looking for is 12:05:36	2	were not uncomfortable with wind, like they were 12:06:48 with solar to begin with, so they were there in the 12:06:52 first in the first blushes of the program. 12:06:54
2 3 4	has been with the LifeCos, but those pension funds 12:05:32 have been active, as well. 12:05:35 Again, what you're looking for is 12:05:36 a fixed income stream and that's what these 12:05:38	2 3 4	were not uncomfortable with wind, like they were 12:06:48 with solar to begin with, so they were there in the 12:06:52 first in the first blushes of the program. 12:06:54 Q. And why is that? Why was it a FIT 12:06:57
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	Page 148		Page 149
1	do rooftop than on land, to take up farm land, for 12:08:06	1	jurisdiction with, ironically, very limited 12:09:22
2	example. 12:08:10	2	sovereign risk. But that has not turned out to be 12:09:27
3	So, those signals were built in to the 12:08:12	3	the case. 12:09:30
4	from a policy perspective into the pricing, so 12:08:14	4	Q. And you may not know this, but 12:09:30
5	I can only assume that that pricing was provided, 1) 12:08:17	5	just since you mentioned it, you do work with 12:09:32
6	because of cost; but 2) to ensure that it was 12:08:20	6	European banks. Do you have do you know about 12:09:34
7	attractive to developers. 12:08:23	7	any differences between the Ontario FIT program and 12:09:36
8	Q. One more question: What about the 12:08:30	8	similar programs in Europe? 12:09:40
9	link that to the FIT contract and what it provided 12:08:31	9	A. I don't have any I have passing 12:09:42
10	in terms of cell power for 20 years, was that 12:08:35	10	knowledge, but nothing deep. 12:09:44
11	attractive? 12:08:39	11	Q. Okay. Those are my questions. 12:09:47
12	A. I think the length of the contract 12:08:40	12	Thank you. 12:09:48
13	was seen as fair and was seen as guaranteeing 12:08:41	13	PRESIDENT: Thank you, Mr. Terry. So, 12:09:49
14	an investment for a reasonable period of time to 12:08:45	14	thank you, Ms.Ms. Powell. That concludes your 12:09:51
15	ensure that the rate of return was one that was 12:08:47	15	examination 12:09:53
16		16	
17	attractive and would again, as I said, it was the 12:08:49 whole program was designed to turbo charge and 12:08:52	17	THE WITNESS: Thank you. 12:09:54 PRESIDENT: finally. Thank you. 12:09:55
18	8	18	· · · · · · · · · · · · · · · · · · ·
19	that's what it did, and the critics of the program 12:08:56	19	So, I'm saying "Finally" because we are falling 12:09:58
20	which are many, and there are many family members 12:08:59	20	slightly behind in the schedule. So instead of 12:10:03
21	sitting around the dining room table who tell me all 12:09:02	21	breaking for lunch now, let's try to do some 12:10:06
22	about the impacts on electricity price, they view 12:09:05 that link there because they see it as too 12:09:08	22	additional work, have a short break of five minutes 12:10:08
23	3	23	and try to continue until one o'clock or so. 12:10:10
24	attractive. But from the investment community, it 12:09:13	24	MR. SPELLISCY: Could I raise 12:10:16
25	was seen as a very, in my experience was seen as 12:09:16	25	a procedural request first? 12:10:17
25	a very secure investment, in a very secure 12:09:18	25	PRESIDENT: Yes, of course. 12:10:19
	Page 150		Page 151
1	Page 150 MR. SPELLISCY: Before we start and 12:10:20	1	•
1 2	MR. SPELLISCY: Before we start and 12:10:20	1 2	a chance to comment on these issues. 12:11:26
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PRESIDENT: Anything else? 12:23:43				
PRESIDENT: Good afternoon. 12:22:43 THE WINNESS: Good morning. Good 12:22:41 afternoon. 12:22:43 PRESIDENT: Can you please state your 12:22:44 12 full name for the record and then read the 12:22:46 13 full name for the record and then read the 12:22:48 14 in front of you on the table? 12:22:48 15 THE WINNESS: Yes, my name is beforme 12:22:53 16 Guillet, GU-U-L-L-ET. 12:22:55 17 Isoleminy declare from my honour and 12:22:57 18 acondance with my sincere belief. 12:23:307 29 acondance with my sincere belief. 12:23:307 20 AFFIRMED: JROME GUILLET 12:23:307 21 PRESIDENT: Thank you. Mr. Guillet. 12:23:907 22 You have submitted on behalf of your company, one 12:23:08 23 expert report in this arbitration, dated 6 November, 12:23:18 24 2015; thank correct? 12:23:15 25 THE WINNESS: Correct. Thave a small 12:23:18 26 methodology that's been applied in practice, mainly 12:24:35 3 in European transactions and the second case is how 12:24:51 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:35 3 methodology that's been applied in practice, mainly 12:24:3				1 6
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THE WITNESS: Yes, my name is Jérôme 12:22:53 Gaillet, G-U-H-L-LE-T. Isolemnly declare from my honour and 12:22:57 To sommit declare from my honour and 12:22:57 conscience that my evidence and opinions will be in 12:23:02 AFFIRMED: JÉROME GUILLET 12:23:07 PRESIDENT: Thank you, Mr. Guillet, 12:23:07 PRESIDENT: Thank you, Mr. Guillet, 12:23:07 You have submitted on behalf of your company, one 12:23:08 THE WITNESS: Correct. I have a small 12:23:18 THE WITNESS: Correct. I have a small 12:23:18 Page 154 projects valued in general, and how is the 12:24:49 I would apply this to the Windstream project. 12:24:40 I would apply this to the Windstream project. 12:24:45 So, first, sir, first bit about us, 12:24:47 We are focused exclusively on 12:24:53 renewable energy and, within that, most of our work is offshore wind 12:225:08 We've been created in 2010, mainly 12:25:02 Affire Moderate of the we're lize of the projects that dworked 12:25:06 The market leader and well aware of the projects. 12:26:03 in offshore wind for the construction finance. As 12:26:09 you can see from the different colours, we've been 12:26:09 involved in basically half of the transactions and 12:26:11 whey have been created in 2010, mainly 12:25:02 The project swalued in general, and how is the project, and the second case is how 12:24:40 The next slide is actually a graph of 12:25:55 The next slide is actually a graph of 12:25:55 The next slide is actually a graph of 12:25:55 The we've well aware of the projects. 12:26:09 involved in basically half of the transactions and 12:26:09 involved in basically half of the transactions and 12:26:01 in proper 1000 and 2007. 12:25:11 the past six years we've raised more than 10 billion 12:25:16 Europe because that's where the action is, but we've 12:25:30 also been involved in North American projects. II 12:25:32 menton that is a more than a construction to our wark is offshore wind projects, salos solar and 12:25:62 menton that in a more than a construction to our warket in the market is a discussed on th				1 0
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1	The last item I wanted to flag, if we 12:27:02	1	which is obtaining permits, doing environmental 12:28:14
2	are before going into the substance is our 12:27:04	2	studies, technical measurements and things like 12:28:17
3	involvement in the Block Island project which is, to 12:27:07	3	that. 12:28:20
4	date, the only North American offshore wind project 12:27:11	4	And the second, late development phase 12:28:20
5	going forward. It is currently being built off the 12:27:13	5	which is once you have your permitted project, is to 12:28:22
6	coast of Rhode Island. It was financed early 2015 12:27:15	6	contract it and finance it, so negotiate 12:28:26
7	with "Societe de General" (French spoken) a French 12:27:19	7	a construction contracts, raise the financing for 12:28:28
8	bank, and KeyBank, US Bank financing the project. 12:27:21	8	that and that brings you to financial close or final 12:28:31
9	We've been involved as advisor to the 12:27:22	9	investment decision, FC/FID as it's been used in the 12:28:36
10	project since 2011, helping them negotiate the 12:27:28	10	documents, where you have the full amount raised and 12:28:41
11	contracts initially with Siemens, then with Alstom 12:27:33	11	all the contracts ready it go and you start 12:28:43
12	and helping them out to prepare the financing. So 12:27:35	12	construction. Then at the end of construction, you 12:28:46
13	that's the introduction to us. 12:27:38	13	get into operations, COD, commercial operations. 12:28:48
14	Let's me move to the evaluation of the 12:27:39	14	What's important here is to see the 12:28:51
15	offshore wind project and how we see it, and this is 12:27:43	15	numbers in terms of how much you spend in each phase 12:28:54
16	coming from being in the market and actually doing 12:27:47	16	and what kind of value you can see for the projects. 12:28:58
17	transactions. So it's theoretical, but it is deeply 12:27:50	17	The early development phase is 12:29:01
18	linked to actual transactions and making these 12:27:52	18	relatively is not expensive. It's a few million 12:29:04
19	transactions happen with people paying money for 12:27:54	19	for an offshore wind farm, but over several years. 12:29:09
20	projects. 12:27:56	20	Then you move into the late development phase, which 12:29:14
21	So, like all infrastructure projects, 12:28:00	21	is becoming more expensive. You need to do some of 12:29:17
22	you've got several phases: You've got a development 12:28:04	22	the geotech studies. You need to pay for 12:29:19
23	phase, construction phase and operational phase and 12:28:07	23	lawyers and negotiate the bank. Sometimes you need 12:29:21
24	within the development phase you can basically split 12:28:10	24	to make down payments on some of the contracts. 12:29:23
25	it in two which is the early development phase, 12:28:12	25	It's more in the tens of millions of Euros for 12:29:26
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1	offshore wind projects and then, obviously, when you 12:29:29	1	something like 200,000 Euros per megawatt. That's 12:30:34
2	get to construction, the capital expenditure is in 12:29:31	2	when you've obtained all the permits. 12:30:38
3	the billion Euro scale, depending on the size of 12:29:34	3	Then at financial close, the value is 12:30:41
4	your project. 12:29:37	4	largely linked to the cost of building it, and 12:30:44
5	Then, of course, you move into 12:29:38	5	that's in the range of 4 million Euros per megawatt. 12:30:47
6	operations where you, in principle, get revenues 12:29:39	6	Some of that amount includes the 12:30:51
7	rather than spending capital expenses. 12:29:42	7	development cost and a premium for the developer, 12:30:53
8	In terms of the value of the project 12:29:44	8	but the that's a small slice. That's a small 12:30:57
9	you really have these three steps, in the value of 12:29:45	9	slice up there at the top. 12:31:02
10	the project. 12:29:48	10	And then when you move to operations 12:31:03
11	The project gains value when it gets 12:29:48	11	that's when you start looking at the project in 12:31:05
12	permitted, and I will get back in a minute to what 12:29:50	12	terms of the revenues it generates rather than what 12:31:06
13 14	it means to be permitted. 12:29:53	13 14	it costs to get there. That's where you start 12:31:09
15	Then there's a second major step at 12:29:55	15	looking at the NPV, the net present value of the 12:31:12
16	financial close, when you actually have the 12:29:57	16	revenues of the project using the discounted 12:31:15
17	contracts and the financing in place, and then, 12:29:58	17	cash-flow methodology. 12:31:20
	obviously, you have a third step up at the start of 12:30:00	18	As a developer you've done a good job 12:31:22 if the value of your project then is higher than 12:31:25
1 Ω		1 10	
18 19	operations when the project is built and works as 12:30:04	19	what you've epont to build it Similarly ee 1262127
19	designed and can be sold as an operational asset. 12:30:07	19 20	what you've spent to build it. Similarly as 12:31:27
19 20	designed and can be sold as an operational asset. 12:30:07 To give very specific numbers and 12:30:15	20	an early stage developer, you are making money if 12:31:30
19 20 21	designed and can be sold as an operational asset. 12:30:07 To give very specific numbers and 12:30:15 these are numbers that come from market transactions 12:30:17	20 21	an early stage developer, you are making money if 12:31:30 the value that the lenders and investors at 12:31:32
19 20 21 22	designed and can be sold as an operational asset. 12:30:07 To give very specific numbers and 12:30:15 these are numbers that come from market transactions 12:30:17 and the market is actually quite consistent in 12:30:22	20 21 22	an early stage developer, you are making money if 12:31:30 the value that the lenders and investors at 12:31:32 financial close, are willing to give to the project 12:31:35
19 20 21 22 23	designed and can be sold as an operational asset. 12:30:07 To give very specific numbers and 12:30:15 these are numbers that come from market transactions 12:30:17 and the market is actually quite consistent in 12:30:22 valuing these different phases across time and 12:30:24	20 21 22 23	an early stage developer, you are making money if 12:31:30 the value that the lenders and investors at 12:31:32 financial close, are willing to give to the project 12:31:35 is more than what you've actually spent in 12:31:37
19 20 21 22	designed and can be sold as an operational asset. 12:30:07 To give very specific numbers and 12:30:15 these are numbers that come from market transactions 12:30:17 and the market is actually quite consistent in 12:30:22	20 21 22	an early stage developer, you are making money if 12:31:30 the value that the lenders and investors at 12:31:32 financial close, are willing to give to the project 12:31:35

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1	What does it mean from a buyer's 12:31:49	1	that's agreed between the investors and the lenders, 12:33:01
2	perspective when you have a project that is fully 12:31:50	2	and these two are very interlinked. 12:33:03
3	permitted? It's really four things: One is site 12:31:53	3	For a contract to be effective, for 12:33:07
4	control. You've got a well-designated site; you 12:31:56	4	a construction contract, you are going to need to 12:33:09
5	have the right to use that site and build the 12:31:59	5	make down payments. You are going to need provide 12:33:11
6	project there. Second, is grid connection. You can 12:32:01	6	securities. These are typically funded by the 12:33:14
7	get access to the power network and sell your 12:32:04	7	construction investors or debt, depending how big 12:33:17
8	power the power you produce into the network. 12:32:07	8	they are. 12:33:20
9	The third one is revenue regime, Feed-in-Tariff, the 12:32:10	9	Similarly banks they will only fund 12:33:21
10	PPA or similar. And the last one is all the permits 12:32:14	10	that when the contracts are effective, so basically 12:33:23
11	that you need for construction, the environmental 12:32:17	11	you need all of these to be ready on the same day. 12:33:25
12	permits and so forth. 12:32:20	12	That's why you have financial close, when all of 12:33:27
13	Fully permitted means that you have 12:32:23	13	these contracts become valid at the same time. 12:33:29
14	all of these four things un-appealable, and 12:32:25	14	And before financial close, a project 12:33:32
15	un-appealable is quite important. It means there's 12:32:29	15	doesn't exist. You have several spectacular 12:33:34
16	nothing that can take any of these permits away from 12:32:32	16	examples of projects that have collapsed just a few 12:33:39
17	you, and we'll get back to this in a second. 12:32:35	17	days or a few months before financial close. Cape 12:33:42
18	Second step moving to financial close 12:32:37	18	Wind in North American is a good example of 12:33:46
19	is when you get financial close is when you have not 12:32:39	19	a project that had all the permits, that had all 12:33:48
20	only contracts are negotiated, but they are actually 12:32:42	20	the it looked like they had all their debts, but 12:33:51
21	executed and they are effective, and that means all 12:32:45	21	some bit of the equity was missing. The contracts 12:33:55
22	conditions precedent to their effectiveness has been 12:32:49	22	were there, didn't close. It is not worth anything 12:33:57
23	fulfilled and, similarly, you need unconditionally 12:32:52	23	any more and then you start losing at mid 12:34:00
24	committed financing for the full amount of the 12:32:55	24	financial close, you start losing things. 12:34:02
25	construction cost, plus the contingency budget 12:32:57	25	Before financial close you don't have 12:34:05
	construction cost, plus the contingency statget 12.52.57		201010 111111101111 01050 you don't in 10 1210 1100
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			· ·
1	the debt, you don't have the equity, you don't have 12:34:07	1	going to be a fraction of the number if you are 12:35:21
1 2	the debt, you don't have the equity, you don't have 12:34:07 the contracts and it is a major step to actually 12:34:09	1 2	
			going to be a fraction of the number if you are 12:35:21
2	the contracts and it is a major step to actually 12:34:09	2	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23
2	the contracts and it is a major step to actually 12:34:09 making it happen. So, before financial close the 12:34:11	2	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25
2 3 4	the contracts and it is a major step to actually 12:34:09 making it happen. So, before financial close the 12:34:11 project is not worth what it's worth at financial 12:34:13	2 3 4	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28
2 3 4 5	the contracts and it is a major step to actually 12:34:09 making it happen. So, before financial close the project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between 12:34:15	2 3 4 5	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31
2 3 4 5 6	the contracts and it is a major step to actually 12:34:09 making it happen. So, before financial close the project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between existing and not existing. 12:34:19	2 3 4 5 6	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39
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2 3 4 5 6 7 8	the contracts and it is a major step to actually making it happen. So, before financial close the project is not worth what it's worth at financial close, and that can be a matter of days between existing and not existing. So, that's the general market context 12:34:17 and the main steps in the valuation of a project. 12:34:31	2 3 4 5 6 7 8	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	the contracts and it is a major step to actually making it happen. So, before financial close the project is not worth what it's worth at financial 12:34:11 project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between 12:34:15 existing and not existing. 12:34:19 So, that's the general market context 12:34:27 and the main steps in the valuation of a project. 12:34:31 Where does Windstream stand in that respect? 12:34:31 You can see from this graph that it 12:34:34 was somewhere before the fully permitted stage. So, 12:34:37 in our view, it was worth something between zero and 12:34:42 200,000 Euros per megawatt. So for a 300-megawatt 12:34:44 project, somewhere between zero and 60 million 12:34:49 Euros. 12:34:53	2 3 4 5 6 7 8 9 10 11 12 13 14	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42 connection. 12:35:46 Site control, I understand there was 12:35:46 some issues. I'm not the best place to comment on 12:35:53 it, but the site was not completely defined and 12:35:55 perspective of the lenders, and the permitting 12:35:58 process was not complete. 12:36:03
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	the contracts and it is a major step to actually making it happen. So, before financial close the project is not worth what it's worth at financial 12:34:11 project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between 12:34:15 existing and not existing. 12:34:19 So, that's the general market context 12:34:27 and the main steps in the valuation of a project. 12:34:31 Where does Windstream stand in that respect? 12:34:31 You can see from this graph that it 12:34:34 was somewhere before the fully permitted stage. So, 12:34:37 in our view, it was worth something between zero and 12:34:42 200,000 Euros per megawatt. So for a 300-megawatt 12:34:44 project, somewhere between zero and 60 million 12:34:49 Euros. 12:34:53 It's not in the financial close 12:34:56 It's in the first stage before becoming fully 12:35:00	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42 connection. 12:35:46 Site control, I understand there was 12:35:46 some issues. I'm not the best place to comment on 12:35:47 it, but the site was not completely defined and 12:35:53 certainly would not be seen as final from the 12:35:55 perspective of the lenders, and the permitting 12:35:58 process was not complete. 12:36:03 Again, we can discuss how visible the 12:36:07 my place to comment. I think that's been discussed 12:36:08
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	the contracts and it is a major step to actually 12:34:09 making it happen. So, before financial close the 12:34:11 project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between 12:34:15 existing and not existing. 12:34:19 So, that's the general market context 12:34:27 and the main steps in the valuation of a project. 12:34:31 Where does Windstream stand in that respect? 12:34:31 You can see from this graph that it 12:34:34 was somewhere before the fully permitted stage. So, 12:34:37 in our view, it was worth something between zero and 12:34:42 200,000 Euros per megawatt. So for a 300-megawatt 12:34:44 project, somewhere between zero and 60 million 12:34:49 Euros. 12:34:53 It's not in the financial close 12:34:54 valuations. It's not in the operational valuations. 12:34:56 It's in the first stage before becoming fully 12:35:00 permitted. 12:35:08	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42 connection. 12:35:46 Site control, I understand there was 12:35:46 some issues. I'm not the best place to comment on 12:35:47 it, but the site was not completely defined and 12:35:53 certainly would not be seen as final from the 12:35:55 perspective of the lenders, and the permitting 12:35:58 process was not complete. 12:36:03 Again, we can discuss how visible the 12:36:04 process were and how certain that was. That's not 12:36:07 my place to comment. I think that's been discussed 12:36:08 earlier today, but it wasn't at the end of that 12:36:12 process. So, from the perspective of an investor, 12:36:15
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	the contracts and it is a major step to actually making it happen. So, before financial close the project is not worth what it's worth at financial close, and that can be a matter of days between 12:34:13 close, and that can be a matter of days between 12:34:19 So, that's the general market context 12:34:27 and the main steps in the valuation of a project. 12:34:31 Where does Windstream stand in that respect? 12:34:31 You can see from this graph that it 12:34:34 was somewhere before the fully permitted stage. So, 12:34:37 in our view, it was worth something between zero and 12:34:42 200,000 Euros per megawatt. So for a 300-megawatt 12:34:44 project, somewhere between zero and 60 million 12:34:49 Euros. 12:34:53 It's not in the financial close 12:34:54 valuations. It's not in the operational valuations. 12:35:00 permitted. 12:35:03 As mentioned, fully permitted is 12:35:10	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42 connection. 12:35:46 Site control, I understand there was 12:35:46 some issues. I'm not the best place to comment on 12:35:47 it, but the site was not completely defined and 12:35:53 certainly would not be seen as final from the 12:35:55 perspective of the lenders, and the permitting 12:35:58 process was not complete. 12:36:03 Again, we can discuss how visible the 12:36:04 process were and how certain that was. That's not 12:36:07 my place to comment. I think that's been discussed 12:36:08 earlier today, but it wasn't at the end of that 12:36:12 process. So, from the perspective of an investor, 12:36:15 it's not fully permitted. 12:36:18
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	the contracts and it is a major step to actually making it happen. So, before financial close the project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between 12:34:15 existing and not existing. 12:34:19 So, that's the general market context 12:34:27 and the main steps in the valuation of a project. 12:34:31 Where does Windstream stand in that respect? 12:34:31 You can see from this graph that it 12:34:34 was somewhere before the fully permitted stage. So, 12:34:37 in our view, it was worth something between zero and 12:34:42 200,000 Euros per megawatt. So for a 300-megawatt 12:34:44 project, somewhere between zero and 60 million 12:34:49 Euros. 12:34:53 It's not in the financial close 12:34:54 valuations. It's not in the operational valuations. 12:34:56 It's in the first stage before becoming fully 12:35:00 permitted. 12:35:03 As mentioned, fully permitted is 12:35:10 having good visibility and how you're going to get 12:35:12 them; It's actually having them in your hand. 12:35:17	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	going to be a fraction of the number if you are 12:35:21 fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42 connection. 12:35:46 Site control, I understand there was 12:35:46 some issues. I'm not the best place to comment on 12:35:47 it, but the site was not completely defined and 12:35:53 certainly would not be seen as final from the 12:35:58 process was not complete. 12:36:03 Again, we can discuss how visible the 12:36:04 process were and how certain that was. That's not 12:36:07 my place to comment. I think that's been discussed 12:36:08 earlier today, but it wasn't at the end of that 12:36:12 process. So, from the perspective of an investor, 12:36:15 it's not fully permitted. 12:36:21 mentioning from the perspective of the financiers is 12:36:22 that the PPA process, which is the asset that the 12:36:25
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	the contracts and it is a major step to actually making it happen. So, before financial close the project is not worth what it's worth at financial 12:34:11 project is not worth what it's worth at financial 12:34:13 close, and that can be a matter of days between 12:34:15 existing and not existing. 12:34:19 So, that's the general market context 12:34:27 and the main steps in the valuation of a project. 12:34:31 Where does Windstream stand in that respect? 12:34:31 You can see from this graph that it 12:34:34 was somewhere before the fully permitted stage. So, 12:34:37 in our view, it was worth something between zero and 12:34:42 200,000 Euros per megawatt. So for a 300-megawatt 12:34:44 project, somewhere between zero and 60 million 12:34:49 Euros. 12:34:53 It's not in the financial close 12:34:54 valuations. It's not in the operational valuations. 12:34:56 It's in the first stage before becoming fully 12:35:00 permitted. 12:35:03 As mentioned, fully permitted is 12:35:10 having good visibility and how you're going to get 12:35:12 them; It's actually having them in your hand. 12:35:13	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	going to be a fraction of the number if you are fully permitted, but that's sort of the cap on the 12:35:23 value that you are going to see. 12:35:25 From what I understand of the project, 12:35:28 the PPA obviously was there. Grid connection was on 12:35:31 its way, but that doesn't mean it was there. 12:35:39 It was a placed in the queue, so 12:35:41 that's not quite the same thing as having a grid 12:35:42 connection. 12:35:46 Site control, I understand there was 12:35:47 it, but the site was not completely defined and 12:35:53 certainly would not be seen as final from the 12:35:55 perspective of the lenders, and the permitting 12:35:58 process was not complete. 12:36:03 Again, we can discuss how visible the 12:36:04 process were and how certain that was. That's not 12:36:07 my place to comment. I think that's been discussed 12:36:12 process. So, from the perspective of an investor, 12:36:18 The second item that's worth 12:36:21 mentioning from the perspective of the financiers is 12:36:22

	Page 164		Page 165
1	constraint. The deadline and I'm not going to go 12:36:33	1	position to negotiate on the contracts. 12:37:38
2	into whether it's one date or another, but the 12:36:35	2	Construction contracts are dead, which means that 12:37:40
3	five-year period, in itself, is extremely short. 12:36:38	3	you are probably not going to get the best-of-class 12:37:44
4	In our experience, and that 12:36:42	4	conditions for your financing or your commercial 12:37:47
5	encompasses most of the projects in Europe, there's 12:36:43	5	contracts. 12:37:49
6	only been one project that's ever managed to do it 12:36:46	6	And on the contracts themselves, my 12:37:53
7	in less than five years. From that permitting stage 12:36:49	7	report discusses the Siemens contract. I think it's 12:37:55
8	to full completion, that's the Belwind 12:36:52	8	been acknowledged earlier in the process this week, 12:37:57
9	projects we were involved in. 12:36:56	9	that the contract was not final and was not bankable 12:38:00
10	There is a couple of other projects 12:36:58	10	as it was, but there were huge gaps and there were 12:38:04
11	that have done that in seven to eight years but 12:36:59	11	some issues on the logistics. The pricing is under 12:38:07
12	that's it. So, expecting an offshore wind project 12:37:06	12	construction and the timetable for construction was 12:38:12
13	to do it in five years in a completely new 12:37:06	13	also under discussion. 12:38:14
14	jurisdiction is, at the very least, optimistic. Not 12:37:06	14	Given the time pressure the project 12:38:15
15	completely impossible, but very optimistic. 12:37:12	15	was under, there is no way in hell they would have 12:38:17
16	The other thing that this means with 12:37:15	16	managed to improve the contract on the timetable, 12:38:19
17	the five-year deadline, is that the closer you get 12:37:17	17	the price and the overall conditions. And we've 12:38:23
18	to the deadline, the weaker your commercial position 12:37:19	18	negotiated contract with Siemens between 2011 and 12:38:27
19	is, vis-a-vis the banks and vis-a-vis the 12:37:21	19	2015. They are pretty much the only ones in the 12:38:31
20	contractors when you are negotiating with them 12:37:24	20	market and their position, when you are the only one 12:38:34
21	because you don't have the time to negotiate and 12:37:27	21	in the market, is to be very tough in the 12:38:36
22	they are going to just to wait and say, "Look either 12:37:29	22	negotiation. So, expecting them to give you what 12:38:38
23	you accept this or it's going to be too late and 12:37:31	23	they haven't given to their utility clients and 12:38:42
24	then there is no deal whatsoever," so you are really 12:37:33	24	their big clients in Europe is, again, very 12:38:44
25	stuck, and it is not you are not in a good 12:37:35	25	optimistic and aggressive assumption. 12:38:47
	Page 166		D 167
	1 age 100		Page 167
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	Page 168		Page 169
1	capital type of equity. They are expecting 12:41:23	1	a per rata drawdown, that's extremely 12:42:33
2	multiples, so they want to multiply their money by 12:41:25	2	optimistic. 12:42:36
3	two. 12:41:29	3	There's been limited consideration of 12:42:37
4	If you are a good developer in that 12:41:30	4	what the contingency budget at the banks would 12:42:39
5	phase, you spend 30 million and you sell your 12:41:31	5	require would be and, similarly, requirements like 12:42:43
6	project at financial close for 60 million, you get 12:41:34	6	the decommissioning amount and the currency risk 12:42:45
7	a 30 million premium. That's the value you generate 12:41:36	7	that equity may consider are low risk, but that the 12:42:49
8	as a good developer, times two. 12:41:40	8	banks would still consider as plausible risk, and 12:42:53
9	If you need to spend 300 million prior 12:41:41	9	would want to see protection against in the 12:42:56
10	to financial close, there is no way that project can 12:41:43	10	financing structure. 12:42:58
11	bear that multiple on the money that needs to be put 12:41:46	11	So, a contingency budget is something 12:42:58
12	for a financial close. It just wouldn't have 12:41:49	12	that you are putting up front on the table of 12:43:00
13	happened, but it means that either the schedule of 12:41:53	13	financial close; equity says it's not going to be 12:43:03
14	spending needs to be modified or other equity needs 12:41:55	14	spent to our case. It's not spent, but the banks 12:43:05
15	to be found and the cost of equity, in any case, 12:41:58	15	say it's there in case it is needed. 12:43:09
16	averaged over the full cycle of the project would be 12:42:01	16	And as I mentioned I will report, 12:43:11
17	higher than what the Claimant says. 12:42:04	17	typically, a good chunk of the contingent report has 12:43:12
18	Similarly, the cost of debt is 12:42:09	18	been spent on European budget. 12:43:16
19	optimistic. All of the debt terms, in general, the 12:42:11	19	So, on all of these items the 12:43:17
20	leverage, the pricing, the drawdown schedule. 12:42:15	20	assumptions made by the project, the Claimant and 12:43:19
21	I mean there hasn't been a single project in Europe 12:42:18	21	its advisors are on the optimistic side of things 12:43:23
22	today that has equity and debt drawn per rata. 12:42:21	22	and the combination all together is very 12:43:27
23	All of the projects have had all of 12:42:25	23	unrealistic. 12:43:30
24	the equity up front and then the debt drawn. Debt 12:42:27	24	As a last point, the first of a kind 12:43:31
25	has a cost. Here they estimate that they could get 12:42:30	25	nature of the project has been largely dismissed. 12:43:34
	Page 170		Page 171
1	Page 170 It's easy it is almost like on-shore. It's not 12:43:36	1	Page 171 more than 10,000 per megawatt, for the same size. 12:44:52
2	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40	2	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56
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2 3 4 5	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40 sector. It is industries that didn't know each 12:43:43 other that meet in the middle of a water in a very 12:43:46 hostile place to build. 12:43:49	2 3 4 5	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56 effect for a larger utility scale project? Probably 12:44:56 not. But you would still have an increase on the 12:45:00 price compared to European prices. 12:45:01
2 3 4 5	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40 sector. It is industries that didn't know each 12:43:43 other that meet in the middle of a water in a very 12:43:46 hostile place to build. 12:43:49 There is no experience of doing this 12:43:51	2 3 4 5 6	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56 effect for a larger utility scale project? Probably 12:44:56 not. But you would still have an increase on the 12:45:00 price compared to European prices. 12:45:01 So, using European prices and European 12:45:04
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2 3 4 5 6 7 8 9 10 11	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40 sector. It is industries that didn't know each 12:43:43 other that meet in the middle of a water in a very 12:43:46 hostile place to build. 12:43:49 There is no experience of doing this 12:43:51 over here, and even if you can argue that people 12:43:52 have experience of doing similar tests, it would not 12:43:55 be seen this way by the lender, by the lender 12:43:58 community. 12:44:01 So the lenders would put a premium on 12:44:01 the lack of experience of Ontario of doing 12:44:04	2 3 4 5 6 7 8 9 10 11	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56 effect for a larger utility scale project? Probably 12:44:56 not. But you would still have an increase on the 12:45:00 price compared to European prices. 12:45:01 So, using European prices and European 12:45:04 timetables and precedents is not unreasonable 12:45:07 because that's what exists in the industry, but you 12:45:10 have to build in a lot of conservatism to apply it 12:45:12 to a completely new area that doesn't have the 12:45:16 harbours, that doesn't have the vessels, and that 12:45:18 doesn't have the know-how and the people that can 12:45:20
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2 3 4 5 6 7 8 9 10 11 12 13 14	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40 sector. It is industries that didn't know each 12:43:43 other that meet in the middle of a water in a very 12:43:46 hostile place to build. 12:43:49 There is no experience of doing this 12:43:51 over here, and even if you can argue that people 12:43:52 have experience of doing similar tests, it would not 12:43:55 be seen this way by the lender, by the lender 12:43:58 community. 12:44:01 So the lenders would put a premium on 12:44:01 the lack of experience of Ontario of doing 12:44:04 offshore in the Great Lakes. They wouldn't consider 12:44:08 it's impossible. They would say "We need more 12:44:11 contingency. We need more conservative assumptions. 12:44:14	2 3 4 5 6 7 8 9 10 11 12 13 14 15	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56 effect for a larger utility scale project? Probably 12:44:56 not. But you would still have an increase on the 12:45:00 price compared to European prices. 12:45:01 So, using European prices and European 12:45:04 timetables and precedents is not unreasonable 12:45:07 because that's what exists in the industry, but you 12:45:10 have to build in a lot of conservatism to apply it 12:45:12 to a completely new area that doesn't have the 12:45:16 harbours, that doesn't have the vessels, and that 12:45:18 doesn't have the know-how and the people that can 12:45:20 make this work. 12:45:27 statement, we consider the project was at the early 12:45:32
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40 sector. It is industries that didn't know each 12:43:43 other that meet in the middle of a water in a very 12:43:46 hostile place to build. 12:43:49 There is no experience of doing this 12:43:51 over here, and even if you can argue that people 12:43:52 have experience of doing similar tests, it would not 12:43:55 be seen this way by the lender, by the lender 12:43:58 community. 12:44:01 So the lenders would put a premium on 12:44:01 the lack of experience of Ontario of doing 12:44:04 offshore in the Great Lakes. They wouldn't consider 12:44:08 it's impossible. They would say "We need more 12:44:11 contingency. We need more conservative assumptions. 12:44:14 We need more time buffers," all of these things for 12:44:19 us to accept to take the risk on the very first 12:44:21 project of its kind. And in terms of costs that all 12:44:23 piles up, and when you look at Block Island, which 12:44:29 costs roughly double what a similarly-sized project 12:44:32	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56 effect for a larger utility scale project? Probably 12:44:56 not. But you would still have an increase on the 12:45:00 price compared to European prices. 12:45:01 So, using European prices and European 12:45:04 timetables and precedents is not unreasonable 12:45:07 because that's what exists in the industry, but you 12:45:10 have to build in a lot of conservatism to apply it 12:45:12 to a completely new area that doesn't have the 12:45:16 harbours, that doesn't have the vessels, and that 12:45:18 doesn't have the know-how and the people that can 12:45:20 make this work. 12:45:22 So, to conclude on this initial 12:45:27 statement, we consider the project was at the early 12:45:35 stage and thus the DCF valuations in not applicable 12:45:37 to this project and would not have been considered 12:45:42 by buyers, potential buyers of the project. 12:45:49 comment on the DCF valuation that's been proposed, 12:45:51
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	It's easy it is almost like on-shore. It's not 12:43:36 at all like on-shore. Offshore is a completely new 12:43:40 sector. It is industries that didn't know each 12:43:43 other that meet in the middle of a water in a very 12:43:46 hostile place to build. 12:43:49 There is no experience of doing this 12:43:51 over here, and even if you can argue that people 12:43:52 have experience of doing similar tests, it would not 12:43:55 be seen this way by the lender, by the lender 12:43:58 community. 12:44:01 So the lenders would put a premium on 12:44:01 the lack of experience of Ontario of doing 12:44:04 offshore in the Great Lakes. They wouldn't consider 12:44:08 it's impossible. They would say "We need more 12:44:11 contingency. We need more conservative assumptions. 12:44:14 We need more time buffers," all of these things for 12:44:19 us to accept to take the risk on the very first 12:44:21 project of its kind. And in terms of costs that all 12:44:23 piles up, and when you look at Block Island, which 12:44:25 is the only real existing precedent, Block Island 12:44:32 costs roughly double what a similarly-sized project 12:44:32 costs in Europe. The 30-megawatt C-Power was 12:44:35	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	more than 10,000 per megawatt, for the same size. 12:44:52 Would you have this multiplied by two 12:44:56 effect for a larger utility scale project? Probably 12:44:56 not. But you would still have an increase on the 12:45:00 price compared to European prices. 12:45:01 So, using European prices and European 12:45:04 timetables and precedents is not unreasonable 12:45:07 because that's what exists in the industry, but you 12:45:10 have to build in a lot of conservatism to apply it 12:45:12 to a completely new area that doesn't have the 12:45:16 harbours, that doesn't have the vessels, and that 12:45:18 doesn't have the know-how and the people that can 12:45:20 make this work. 12:45:22 So, to conclude on this initial 12:45:27 statement, we consider the project was at the early 12:45:35 stage and thus the DCF valuations in not applicable 12:45:37 to this project and would not have been considered 12:45:42 by buyers, potential buyers of the project. 12:45:49 comment on the DCF valuation that's been proposed, 12:45:51 and we consider that it's optimistic and aggressive 12:45:54

Page 172 Page 173 1 1 an optimistic assumption to make. It is all the 12:47:22 12:46:12 respond to issues that had arisen, including 2 2 more unrealistic given the timing constraints that 12:46:15 responding to the other report. 12:47:25 3 3 the project faced under the very PPA that it sees as 12:46:18 There was no agreement, certainly any 12:47:27 4 4 its main assets. 12:46:23 agreement or any discussions -- there have been no 12:47:30 5 5 So altogether, we believe that the 12:46:24 discussions between the parties about the ability to 12:47:32 6 6 risks have been underestimated in every phase. We 12:46:26 carry on direct examination in addition to the 12:47:35 7 7 are not saying it would have been impossible to expert's -- the expert's presentation. 12:47:39 8 build this project, but it probably would have taken 12:46:31 8 That's what was understood. So, 12:47:44 9 9 more time, would have cost more money and would have 12:46:33 I just wanted -- and listen, I don't want to cause 12:47:47 10 10 needed to bring expertise that the current project 12:46:35 unnecessarily procedural issues here, but I just -- 12:47:50 11 11 team didn't have to make it happen. 12:46:38 in fairness, I want to set that out for the 12:47:53 12 12 PRESIDENT: Okay, thank you, Mr. Tribunal. 12:46:44 12:47:56 13 Guillet. There will be a few questions by 13 I'm not saying my friend can't 12:47:56 12:46:44 14 Mr. Spelliscy. 14 12:46:48 proceed, but it certainly is not in accordance with 12:47:59 15 15 MR. TERRY: And I assume this is 12:46:55 what our understanding had been as to how this 16 16 somehow responsive to something that came up in the 12:46:56 procedure would work and our understanding of the 12:48:05 17 17 testimony of Ms. Powell? 12:46:58 Tribunal's order in that respect. 12:48:07 18 MR. SPELLISCY: I believe responsive 12:47:01 18 I should say another thing: 12:48:08 19 to things coming up in this hearing, just like your 12:47:02 19 I appreciate that Mr. Spelliscy was not on the call 12:48:13 20 20 so he may not be as familiar as perhaps others on 12:48:17 direct examination of Mr. Mars was. 12:47:06 21 21 MR. TERRY: Sorry, I have to raise 12:47:09 Canada's team are with respect to those discussions. 12:48:20 22 22 12:47:10 PRESIDENT: Well, on PO1 it was a procedural issue. 12:48:23 23 23 We had an agreement which I thought 12:47:12 anticipated that there would be a brief examination 12:48:25 24 24 was dealt with by the Tribunal's order, that the of the experts, as well, and then the expert's 12:48:29 25 25 expert was entitled in their opening presentation to 12:47:18 presentation came in addition to that. But this 12:48:31 Page 174 Page 175 1 1 MR. TERRY: Yes, and I just want -- in 12:49:38 should be brief; that's the understanding. 2 2 addition in this particular case, we didn't see the 12:49:40 MR. TERRY: Yes, I mean the only thing 12:48:37 3 3 I would add to that is that the parties did have Green Giraffe presentation until the very first time 12:49:44 4 an explicit agreement in addition to the PO1, as to 12:48:41 4 on a rejoinder. We didn't raise any issues about 12:49:46 5 how the proceedings would work and of course we 5 that, but we've got to be careful. There has to be 12:49:48 12:48:45 6 forwarded that to the Tribunal some time ago. 12:48:47 6 a limit to which you can keep bringing in new 12:49:51 7 MR. SPELLISCY: I think that we agreed 12:48:50 7 evidence from an expert, particularly when we have 12:49:55 8 8 limited time to prepare for cross-examination. 12:49:58 to the procedural order and if there was some 12:48:51 9 9 MR. SPELLISCY: I'm not going to 12:50:01 confusion on that we certainly never intended --12:48:54 10 10 belabour the point, but Ms. Powell just introduced 12:50:02 especially for things that came up in the hearing 12:48:56 11 11 a bunch of new evidence after our cross-examination, 12:50:04 that we wouldn't be able to ask questions on direct 12:48:59 12 12 so I think in terms of -- you've had two and a half 12:50:07 witnesses. 13 13 months to review the Green Giraffe report, so I 12:50:10 I do confirm this will be short, just 12:49:02 14 14 because Mr. Guillet has stolen much of my thunder 12:49:05 think - or three months, I guess now, since we filed 12:50:12 15 with his presentation already and I don't have very 12:49:07 15 it on November 8, so I think in terms of that, 12:50:14 16 16 I think it's balanced. 12:50:15 much to ask him, at all. 12:49:10 17 17 PRESIDENT: The Tribunal's 12:49:11 PRESIDENT: Yes, please go on. 12:50:16 18 18 understanding is there can be a combination of both, 12:49:12 DIRECT EXAMINATION BY MR. SPELLISCY: 12:50:17 19 19 Q. And as I said, thank you, Mr. 12:50:20 but it should be brief additional questions in 12:49:15 20 20 Guillet for your presentation. As you said, you've 12:50:20 addition to the presentation. But certainly the 12:49:17 21 21 stolen much of my thunder. 12:50:26 idea was not to exclude the possibility of replacing 12:49:21 22 22 12:50:30 I did have a couple of follow up or also having a few follow-up questions, but that's 12:49:25 23 23 questions, very briefly. In her presentation, just 12:50:31 the nature of -- that should be the nature of any 12:49:28 24 24 immediately prior to yours which you were present 12:50:33 direct examination of experts, should be follow up 12:49:32 25 25 on the -- on the presentation. 12:49:35 for, Ms. Powell stated that she disagreed with you 12:50:35

Page 176 Page 177 1 1 something like 15 months. So, the end of the season 12:51:59 on one issue with respect to project cliffs and the 12:50:39 2 2 plus a full year to absorb any delays in buffers that lender would require, and she said in 12:50:44 12:52:02 3 her experience the buffer that lenders would -- or 12:50:46 3 construction. 12:52:04 4 4 there has often been a buffer of less than a year on 12:50:49 Grid delays and other infrastructure 12:52:05 5 5 projects. Could you give any comment to that on 12:50:53 delays of that magnitude have happened, so any 12:52:08 6 6 your experience in the offshore industry? financing now basically needs to be able to 12:50:56 12:52:11 7 THE WITNESS: I can understand such 12:51:04 7 demonstrate that it can survive a one-year delay. 12:52:13 8 limited buffers being tolerable in on-shore wind, 12:51:05 8 And that's one of the lessons that have been learned 12:52:16 9 9 where construction is well understood and has little 12:51:09 over time in the industry in Europe. So, I can say 12:52:20 10 risk of being delayed. 10 with certainty then, less than a year of buffer 12:52:23 11 In offshore wind where there have been 12:51:16 11 between the expected construction date of such 12:52:26 12 12 a project and the date when you risk to lose your 12:52:29 long delays and there has been a number of things 12:51:18 13 happening on projects, banks would absolutely insist 12:51:20 13 tariff all together would not be bankable, full 12:52:32 14 on having a substantial time buffer. And as I've 12:51:24 14 12:52:36 15 15 BY MR. SPELLISCY: described in my report that's typically at least 12:52:36 16 16 a year. And part of the reason for that is that you 12:51:30 Q. Mr. Guillet, there has also been 12:52:36 17 17 cannot build and do the construction work at all 12:51:32 some discussion -- you mentioned it briefly in your 12:52:39 18 times, at sea or in the water. 18 presentation about the difference in similarities 12:52:42 19 And if you need to wait a -- if your 12:51:39 19 between offshore and on-shore wind and development. 12:52:44 20 20 season ends and you need to wait until next spring 12:51:42 And I think, including even in Ms. Powell's 21 testimony when she was talking about her experience 12:52:50 21 to do the work, you lose six months right away 22 22 without doing the work. with financing of that wind, could you expand on, in 12:52:52 12:51:50 23 23 There have been instances of projects 12:51:51 your experience, what the -- how similar are these 12:52:56 24 being one or two years late, so banks will certainly 12:51:54 24 two fields? 12:53:01 25 insist on having at the least -- at the very least, 12:51:56 25 A. Well, they're really two 12:53:03 Page 178 Page 179 1 1 12:54:10 completely different industries. 12:53:05 redundancy, and as I mentioned before, you are 2 2 I mean it looks like it's the same 12:53:06 really at the intersection of two or three different 12:54:13 3 thing, but it's not at all; it is not even the same 12:53:08 3 industries. 4 turbines. 12:53:10 4 An on-shore turbine contract is going 12:54:17 5 Offshore wind started with actually 5 to be 90 per cent of the value of your project. In 12:54:19 12:53:12 6 installing on-shore turbines offshore, and they 12:53:13 6 offshore wind it's 30 per cent. You've got the 7 realized that pretty much everything broke down. 7 foundation. You have the cables. You have all the 12:54:25 12:53:18 8 8 You have corrosion. You have -- so offshore marine construction work, and it's -- the turbine 12:54:29 12:53:20 9 9 manufacturers don't know much about working in the 12:54:31 turbines are now designed completely differently for 12:53:22 10 10 simple thing, they're pressurized so that the 12:53:25 water and marine construction companies don't know 12:54:33 11 11 humidity doesn't come in. 12:53:29 anything about turbines and maintaining turbines. 12:54:36 12 12 There's a lot of redundancy built in. 12:53:31 So they're learning to work together, but it's -- 12:54:38 13 13 nobody's taking responsibility for what the others 12:54:40 You have lots of engines to control your equipment. 12:53:33 14 14 Instead of having two, you are going to have four in 12:53:36 are doing, so you have structural technical 12:54:44 15 case one is -- because if there's bad weather, you 12:53:39 15 interfaces that are not going to go away. 12:54:47 16 16 just can't go and repair. You can't drive your There still isn't a fixed contractual 12:54:49 17 17 truck and go and repair the equipment. You may need 12:53:44 model for offshore wind in Europe. 12:54:52 18 to wait several weeks until you actually can do 12:53:46 18 Do you do turbines and then everything 12:54:54 19 19 else? Do you do supply and installation of every 12:54:56 a repair. 20 20 individual bit of equipment? There is still these 12:55:00 So, there's a number of things that 12:53:49 21 21 make it very different. The main thing is different variations. 12:55:02 12:53:51 22 22 accessibility. There is going to be a long periods 12:53:55 What there isn't is an EPC contract, 12:55:03 23 23 where you simply cannot go and do repairs so the so one contractor taking responsibility for the full 12:55:05 12:53:59 24 24 reliability of turbines needs to be in order of project, that doesn't exist, and actually one 12:55:08 12:54:01 25 magnitude, better for on-shore turbines as to 12:54:05 25 interesting item to note here is that the oil and 12:55:10

gas industry in Europe has tried to say, "Oh, we're 12:55:13 doing a lot of stuff in the North Sea. That should 12:55:16 be easy. We've got the big 50,000 tonnes. They've 12:55:19 got their small 500 tonnes bits of equipment." 12:55:22 All the oil and gas companies that 12:55:25 have come into offshore wind have failed. Some of 12:55:27 them have lost hundreds and millions of Euros or 12:55:29 dollars by coming into project, underestimating the 12:55:32 risks, doing the job badly and having to pay 12:55:38 penalties and having someone correct it. 12:55:38 penalties and having someone correct it. 12:55:41 and big construction contracts in lots of sectors, 12:55:40 accounts on the Greater Gabbard project. 12:55:55 Kellogg Brown Root tried one of the 12:55:55 Rearly projects. They haven't been seen since. 12:55:58 Technic tried to come in. They amounced they were 12:55:58 Indicate the seasy. We've got the big 50,000 tonnes. They've 12:55:13 Indicate the North Sea. That should 12:55:13 Indicate the North Sea. That should 12:55:25 Indicate the North Sea. They would not speak with anybody 12:56:32 Indicate the North Sea. There will 12:56:32 Indicate the North Sea. There will 12:56:34 Indicate the North Sea. There will 12:56:25 Indicate the North Sea. There will 12:56:34 Indic	ng a lot of stuff in the Norteasy. We've got the big 50 their small 500 tonnes bits All the oil and gas cone come into offshore wind in have lost hundreds and it lars by coming into project is, doing the job badly and alties and having someone Fluor, a very well kn big construction contracts	g a lot of stuff in the North Sea. That should 12:55:16 sy. We've got the big 50,000 tonnes. They've 12:55:19 neir small 500 tonnes bits of equipment." 12:55:22 All the oil and gas companies that 12:55:25 come into offshore wind have failed. Some of 12:55:27 have lost hundreds and millions of Euros or 12:55:29 rs by coming into project, underestimating the 12:55:32	2 3 4 5 6	now, continue at 2:00 o'clock and I would ask you, 12:56:28 Mr. Guillet, if you would not speak with anybody 12:56:32 about your testimony during this break. There will 12:56:38 be a room reserved for you which will be shown to 12:56:39
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penalties and having someone correct it. 12:55:38	alties and having someone Fluor, a very well kn big construction contracts	doing the job badly and having to pay 12:55:36	9	
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Kellogg Brown Root tried one of the 12:55:55			14	
early projects. They haven't been seen since. 12:55:57			15	
Technic tried to come in. They announced they were 12:55:58 17 I assume. You have been served during the lunch 14:03:29			16	
· · · · · · · · · · · · · · · · · · ·			17	
abandoning. So people coming from the oil and gas 12:56:02 18 break, Mr. Guillet? Okay. Good. 14:03:37		loning. So people coming from the oil and gas 12:56:02		break, Mr. Guillet? Okay. Good. 14:03:37
and a lot of others have under estimated the risk of 12:56:06 log So Mr. Terry, please go ahead. you've 14:03:45				So Mr. Terry, please go ahead. you've 14:03:45
offshore wind construction. It is not an easy 12:56:10 20 got your water; I've got my water. 14:03:47			20	got your water; I've got my water. 14:03:47
sector. It is structurally difficult to build 12:56:13 21 CROSS-EXAMINATION BY MR. TERRY: 14:03:55		-	21	
turbines in the water because you don't want to go 12:56:16 Q. Good afternoon, Mr. Guillet. 14:03:56	-		22	Q. Good afternoon, Mr. Guillet. 14:03:56
there, and everything is ten times more complex than 12:56:19 23 A. Hello. 14:03:58			23	A. Hello. 14:03:58
doing it on the ground. That's all I have. 12:56:21 24 Q. You describe in your report and 14:04:10			24	Q. You describe in your report and 14:04:10
PRESIDENT: Thank you very much. 12:56:24 25 you did in your outline in your experience in 14:04:11	_		25	you did in your outline in your experience in 14:04:11
Page 182 Page 183		Page 182	2	Page 183
offshore wind financing in some detail. And 14:04:13 ¹ A. Yes. 14:05:25				
2 I understand your role with respect to these 14:04:18 2 Q. And typically there will be a 14:05:26				The state of the s
projects is to work for one or another of the 14:04:20 3 I think in your documents you call them a technical 14:05:29				
parties in arranging financing, typically for the 14:04:28 4 advisor? 14:05:32				
5 developer in arranging financing? 14:04:31 5 A. Yes. 14:05:32				
A. You mean for this project? 14:04:32 6 Q. And the technical advisor will be 14:05:33				
7 I wasn't involved or do you mean for projects in 14:04:34 7 someone, like, who had expertise in engineering, for 14:05:35				• • • •
Crample: 14.03.57				•
A. Tes. Well, there's actually two 14:05:59				•
the state of the s				1 1 3
teelinear supports which can be internal of				
subcontracted to an outsider outside constituting, 14.03.50				
15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-
16 0 01 A 1' - 6 14.04.50				-
17 days of the state of the sta				
10 10 10 10 10 10 10 10 10 10 10 10 10 1				
10 structure to project will be acceptable to these 14.00.10				
20 financing for the project? 14.05.07				· · · · · · · · · · · · · · · · · · ·
21 A Correct 14:05:08 Q. Okay. 14:06:14				· · · · · · · · · · · · · · · · · · ·
A. So, yes, we work with all the 14:00:13				
23 typically be working with others with different 14:05:16	Q. And as I underst			
24 expertise. For example, you'll be working with - 14:05:21			43	DEDVICION LANGUE OF TACORDICAL CAPTACAS OUTCAINAS PUR 1/1/16:1U
25 with lawyers? 14:05:23 we coordinate their services, so we have to 14:06:22	ically be working with oth	rtise. For example, you'll be working with 14:05:21	24	
understand what they do. 14:00:24	ically be working with oth pertise. For example, you'		24 25	we coordinate their services, so we have to 14:06:22 understand what they do. 14:06:24

	Page 184		Page 185
1	Q. And by technical services that 14:06:25	1	page 56. And the this is where you list your 14:07:35
2	would include, for example, engineering services? 14:06:27	2	experience? 14:07:40
3	A. Yes. 14:06:34	3	A. Yep. 14:07:40
4	Q. And construction services? 14:06:35	4	Q. And does this by the way, does 14:07:41
5	A. I'm sorry? 14:06:36	5	this include I notice you have the North Sea 14:07:49
6	Q. For example, you you're not 14:06:38	6	transaction. I wasn't sure if this was up to date 14:07:51
7	putting yourself forward in as an expert in the 14:06:39	7	enough to include the Nordsee transaction. 14:07:54
8	construction of offshore wind turbine project here? 14:06:42	8	Maybe it's under another name or 14:07:57
9	A. Well, we have people on within our 14:06:46	9	I just don't see it. 14:07:58
10	team that do contracting who have taken the role of 14:06:50	10	A. It should be in there, but maybe 14:08:00
11	commercial contract, commercial managers and things 14:06:53	11	it's not there. Oh, Veja Mate is twice. 14:08:01
12	like that. So we are quite deeply embedded in 14:06:54	12	COURT REPORTER: Sorry? 14:08:02
13	again, together with actual engineers, but a lot of 14:06:57	13	THE WITNESS: Maybe well, 14:08:02
14	our staff is as are engineers by training as 14:07:00	14	Nordsee sorry. Nordsee One is not in the list, 14:08:02
15	well, so we we are pretty close to the technical 14:07:03	15	but it should be, yes. 14:08:02
16	side of things. 14:07:05	16	MR. SPELLISCY: It's on page 60. 14:08:12
17	Q. But you you're again, you're 14:07:06	17	THE WITNESS: It is? Am I off? 14:08:12
18	not putting yourself forward here as an engineer, 14:07:07	18	MR. TERRY: Is it? Okay. 14:08:12
19	correct? 14:07:10	19	THE WITNESS: Nordsee 1. 14:08:12
20	A. Correct. 14:07:11	20	MR. SPELLISCY: Nordsee 1 is on 14:08:14
21	Q. And you are not putting yourself 14:07:11	21	page 60. 14:08:14
22	forward here as a construction expert; correct? 14:07:14	22	MR. TERRY: Nordsee. I've got it. 14:08:22
23	A. Correct. 14:07:16	23	Okay. 14:08:22
24	Q. Now, you indicate if I could 14:07:21	24	BY MR. TERRY 14:08:22
25	take you to your report, Annex II, which becomes 14:07:23	25	Q. Well, listen, if we turn back to 14:08:22
	Page 186	1	Page 187
1	page 56, I just wanted in the Veja Mate project, 14:08:24	1	A. It was not on Gemini. I mean, if 14:09:29
2	which we'll return to later, there were two of 14:08:30	2	you want me to attest that Sgurr is one of the 14:09:33
3 4	those, were they there? 14:08:33	3 4	top top technical experts in the field, I'm happy 14:09:36
5	A. Well, we helped. 14:08:36 Q. Or you helped both on the equity. 14:08:37	5	to stipulate to that. They're one of the two 14:09:38
6	Q. Of you helped both on the equity. 14:08:57 I see. 14:08:38	6	companies that do that. It's either Mott or Sgurr. 14:09:39
7	A. First we helped the current owner 14:08:39	7	And half of the Sgurr team has gone over to K2. K2 14:09:43
8	to purchase it from its previous owner. 14:08:40	8	is the third one, but that's they're definitely 14:09:49 they're amongst the key technical experts in 14:09:50
9	Q. Right. 14:08:43	9	they're amongst the key technical experts in 14:09:50 offshore wind 14:09:50
10	A. And then we helped that new owner 14:08:43	10	(Simultaneous speakers - unclear) 14:09:51
11	to raise finance for it, raise debt and some 14:08:48	11	Q. So in terms of the 14:09:51
12	additional equity. 14:08:50	12	(Court Reporter appeals) 14:09:51
13	Q. And then who who was acting as 14:08:52	13	A. I'm happy to stipulate that 14:09:58
14	the technical advisor engineer for the lenders in 14:08:55	14	A. Thi happy to supulate that 14:09:38 SgurrEnergy is amongst the top technical experts in 14:10:00
15	that in that 14:08:58	15	the sector and highly credible, if that's what you 14:10:03
16	A. That was SgurrEnergy. 14:09:00	16	want to get at. 14:10:07
17	Q. SgurrEnergy. And have you dealt 14:09:06	17	Q. Right. And and you've 14:10:09
18	with SgurrEnergy in others of your projects? 14:09:07	18	you've described them, as an as an example, of 14:10:09
19	A. Yes. Since they've been involved 14:09:11	19	an indispensable technical advisor. 14:10:16
20	in half of this activity, we know them quite well. 14:09:13	20	A. Well, they're one of the two that 14:10:20
21	Q. And if I were to go through the 14:09:16	21	have been accepted by lenders to do the role of 14:10:22
22	list here, in the Gemini project, going down your 14:09:18	22	lender's technical advisor. Now, three since half 14:10:25
23	list there, if we look at the Gemini, Sgurr, 14:09:20	23	of their team has gone over to another company. So 14:10:29
24	I gather, was the independent engineer on that 14:09:25	24	that new company is seen as having the track record 14:10:31
25	project? 14:09:29		* · ·
	FJ	25	as well, via the individuals. 14:10:33

	Page 188		Page 189
1	Q. And and the what would 14:10:36	1	a project can be developed in time? 14:11:29
2	what would a lender's engineer technical advisor do 14:10:38	2	A. Yes. 14:11:31
3	typically in the transactions that you're involved 14:10:44	3	Q. And also to ask tough questions 14:11:33
4	in? 14:10:46	4	around construction costs? 14:11:35
5	A. They ask what could go wrong. 14:10:46	5	A. Yes. 14:11:37
6	I mean, that's the difference between 14:10:48	6	Q. And all the related issues related 14:11:37
7	the owner's engineer and the lender's technical 14:10:50	7	to getting offshore wind project built, in 14:11:38
8	advisor, which can be the same companies. 14:10:53	8	operation? 14:11:42
9	Q. Uh-hmm. 14:10:56	9	A. Yes. But that's not what they did 14:11:42
10	A. The owner's engineer say, how do 14:10:56	10	in your case. 14:11:48
11	we make this work? How do we make this happen? 14:10:59	11	Q. I gather, or else you wouldn't be 14:11:52
12	What's the most likely path? And the lender's 14:11:00	12	here. 14:11:54
13	engineer is going to ask, well, what could go wrong? 14:11:04	13	And just one more and I can take 14:11:57
14	What will it cost? How much time will it take, and 14:11:06	14	you to the quote, but you probably recall it. You 14:11:59
15	can the team deal with it? 14:11:08	15	wrote an article about the Veja Mate project and 14:12:01
16	Q. Okay. So so they're they're 14:11:10	16	I sent you a copy of this article beforehand, so of 14:12:05
17	the ones who are there to ask the tough questions as 14:11:11	17	course you knew I'd be asking you questions on it, 14:12:08
18	to what should go on wrong on the project? 14:11:13	18	but but you said there that that SgurrEnergy 14:12:10
19	A. Well, they do both jobs, depending 14:11:15	19	brought credibility to the project and comfort to 14:12:17
20	whether they're owner's engineer or technical 14:11:17	20	the lenders. And you'd agree with that statement? 14:12:18
21	Q. Let's let's I'm sorry. 14:11:20	21	A. I stand by these words, yes. 14:12:20
22	I realize I crossed over. 14:11:21	22	Q. Okay. Has has URS been 14:12:28
23	For for the lender's engineer, 14:11:22	23	involved in any of your offshore wind projects? 14:12:30
24	we're talking about the lender's engineer role would 14:11:24	24	A. I'm sorry, who? 14:12:34
25	be to ask the tough questions as to whether 14:11:27	25	Q. URS. 14:12:34
	- 1		Q. 016.
	Page 190		Page 191
1	A. I'm not I've been in contact 14:12:34	1	a particular environment. I assume, sir, that you 14:13:32
2	recently over this project, but I'm not very 14:12:36	2	would defer to the engineers as being the experts on 14:13:35
3	familiar with them. If they were involved, it would 14:12:38	3	that, not you? 14:13:38
4	be more on the early stages, early engineering, 14:12:40	4	A. Yes, but the question which 14:13:39
5	which we don't usually touch. So I don't know them 14:12:42	5	questions need to be asked and how the how the
6	that well. 14:12:45	6	questions are answered is what we do. Our job is to
7	Q. Have they been involved in any of 14:12:46	7	be the interface between the engineering side of the
8	your projects that you've worked on? 14:12:48	8	project and the banks, to make the engineering
9	A. No. 14:12:49	9	decisions of the project to be understood by the
10	Q. All right. And you said before 14:12:49	10	bank, accepted by the banks and making sure that the
11	you weren't you're not an engineer or 14:12:58	11	risks are properly allocated. So we need to
12	construction expert. And I take it that when it 14:13:00	12	understand what we're saying.
13	comes to those questions I appreciate you saying 14:13:02	13	Q. Right. 14:14:05
14	you disagree with Sgurr, but when it comes to 14:13:05	14	A. And we we go obviously, if 14:14:06
15	engineering construction questions, you defer to 14:13:09	15	you ask me about whether certain thickness of metal 14:14:06
16	Sgurr because they are engineers and 14:13:12	16	is sufficient to carry the tower, I'm not going to 14:14:09
17	(Simultaneous speakers - unclear) 14:13:15	17	be doing the calculations. But I need to be able to 14:14:11
18	A. I don't disagree with them. I am 14:13:17	18	understand both the question and the answer. 14:14:14
19	just saying that the job they were asked to do in 14:13:18	19	Q. Yeah, because supposed suppose 14:14:16
20	you case was is it possible. It's not the same 14:13:18	20	you were acting for instead of a developer, you 14:14:17
	· ·		
21	question as what could go wrong. 14:13:20	21	ever acting for a lender to arrange financing and 14:14:20
22	question as what could go wrong. 14:13:20 Q. Right. But in terms of 14:13:21	22	you wanted them to confirm whether a particular cost 14:14:24
22 23	question as what could go wrong. 14:13:20 Q. Right. But in terms of 14:13:21 a question like suppose there's a question as to 14:13:22	22 23	you wanted them to confirm whether a particular cost 14:14:24 was an appropriate cost or not, or a particular step 14:14:26
22	question as what could go wrong. 14:13:20 Q. Right. But in terms of 14:13:21	22	you wanted them to confirm whether a particular cost 14:14:24

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1	You would go and speak to your technical advisors, 14:14:40	1	an offshore well, a wind project in Ontario, 14:15:45
2	the lender's engineer, correct? 14:14:44	2	let's say. 14:15:49
3	A. Yes. 14:14:45	3	A. I did work with the Trillium 14:15:51
4	Q. Right. And they'd give you 14:14:45	4	project for a while, before they all sort of got 14:15:53
5	information which then you would use to make your 14:14:47	5	interrupted by the moratorium. I did work on the 14:15:58
6	assessments as to whether it made sense to finance 14:14:49	6	Ontario power projects and renewable projects before 14:16:02
7	the project or not? 14:14:51	7	Green Giraffe when I was at Dexia, since I was 14:16:05
8	A. When we're advisor to the project, 14:14:52	8	supervising credit committee applications done by 14:16:10
9	sometimes we'll fight these opinion and say, come 14:14:54	9	the North American teams. I've seen a few Canadian 14:16:14
10	on, you can do better than that or you can be more 14:14:54	10	projects. 14:16:17
11	assertive and less conservative or take a different	11	I wouldn't call myself an expert on 14:16:17
12	position. So we need to be able to argue on the	12	it, but at least I could understand the issues. And 14:16:19
13	substance as well.	13	I I followed the development in the offshore wind 14:16:21
14	Q. Yeah. And that's just all part of 14:15:07	14	sector for sure when it was busily being developed 14:16:23
15	the give and take, the pragmatism of moving forward 14:15:09	15	in the very early 2010. 14:16:29
16	to develop these projects. 14:15:12	16	Q. And and that's when you were 14:16:33
17	A. Yes, sure. 14:15:22	17	with what was your role at Dexia at the time? 14:16:34
18	Q. There was a 14:15:24	18	A. Dexia, I was in the energy - 14:16:38
19	A. I said sure. I'm sorry. 14:15:25	19	I was lender on the lending team, and out of Paris, 14:16:41
20 21	Q. Yeah, you have to say "Yes" for 14:15:28	20	supervising the credit applications from the North 14:16:45
22	the record. That's my fault. I should have 14:15:30 reminded you. 14:15:32	21 22	American lending team. That was until early 2010, 14:16:47 and then I moved to Green Giraffe in early 2010. 14:16:50
23	reminded you. 14:15:32 Now, in terms of experience in 14:15:39	23	Q. And what attracted you to Ontario 14:16:53
24	Ontario, I take it you would have told me if you've 14:15:41	24	at that time? 14:16:56
25	actually worked on a project in Ontario, an an 14:15:43	25	A. Well, there was the there was 14:17:03
	Page 194		Page 195
1	an opening for offshore wind. 14:17:04	1	of the essential items, so, yes. 14:18:11
2	an opening for offshore wind. 14:17:04 I mean, there was a new policy to make 14:17:07	2	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19
2	an opening for offshore wind. 14:17:04 I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09	2 3	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FTT contract itself because you 14:18:20
2 3 4	an opening for offshore wind. 14:17:04 I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11	2 3 4	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22
2 3 4 5	an opening for offshore wind. 14:17:04 I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. 14:17:15	2 3 4 5	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26
2 3 4 5 6	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. 14:17:15 Q. And the I know you said 14:17:18	2 3 4 5 6	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28
2 3 4 5 6 7	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20	2 3 4 5 6 7	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FTT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30
2 3 4 5 6 7 8	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24	2 3 4 5 6 7 8	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31
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2 3 4 5 6 7 8 9 10	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. 14:17:15 Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24 projects. 14:17:29 A. Yes. 14:17:29 Q. And I take it that, as you said, 14:17:32	2 3 4 5 6 7 8	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31 A. I have no problem saying that, 14:18:31 that it was a good contract. It would have been 14:18:33 a good contract, offshore wind. 14:18:35
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2 3 4 5 6 7 8 9 10 11 12	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24 projects. A. Yes. 14:17:29 Q. And I take it that, as you said, 14:17:32 this is because these projects require a significant 14:17:32 expenditure up front, which is then recouped from 14:17:36	2 3 4 5 6 7 8 9 10 11	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FTT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31 A. I have no problem saying that, 14:18:31 that it was a good contract. It would have been 14:18:33 a good contract, offshore wind. 14:18:35 Q. And it was a good contract because 14:18:37 of the 20-year? 14:18:39
2 3 4 5 6 7 8 9 10 11 12 13	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24 projects. A. Yes. 14:17:29 Q. And I take it that, as you said, 14:17:32 this is because these projects require a significant 14:17:32 expenditure up front, which is then recouped from 14:17:36	2 3 4 5 6 7 8 9 10 11 12 13	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31 A. I have no problem saying that, 14:18:31 that it was a good contract. It would have been 14:18:33 a good contract, offshore wind. 14:18:35 Q. And it was a good contract because 14:18:37
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24 projects. A. Yes. 14:17:29 Q. And I take it that, as you said, 14:17:32 this is because these projects require a significant 14:17:32 expenditure up front, which is then recouped from 14:17:36 long-term revenue stream? 14:17:39 A. I'll fully agree that 14:17:46	2 3 4 5 6 7 8 9 10 11 12 13 14 15	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FTT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31 A. I have no problem saying that, 14:18:31 that it was a good contract. It would have been 14:18:33 a good contract, offshore wind. 14:18:35 Q. And it was a good contract because 14:18:37 of the 20-year? 14:18:39 A. 20-year price stability are two 14:18:40 features. 20-year is not necessary, but it's nice. 14:18:42
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. 14:17:15 Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24 projects. 14:17:29 A. Yes. 14:17:29 Q. And I take it that, as you said, 14:17:32 this is because these projects require a significant 14:17:32 expenditure up front, which is then recouped from 14:17:36 long-term revenue stream? 14:17:39 A. I'll fully agree that 14:17:46 especially in the market where it doesn't exist. I 14:17:47 tariffs there, you have your revenue stability. 14:17:49 Markets over here where it doesn't exist, having 14:17:50	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of the essential items, so, yes. 14:18:11 Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31 A. I have no problem saying that, 14:18:31 that it was a good contract. It would have been 14:18:33 a good contract, offshore wind. 14:18:35 Q. And it was a good contract because 14:18:37 of the 20-year? 14:18:39 A. 20-year price stability are two 14:18:40 features. 20-year is not necessary, but it's nice. 14:18:42 Q. How does it compare to the 14:18:46 European contract? 14:18:47 A. You have everything from 10 to 14:18:49 12 years in Germany which is linked to water depth 14:18:52
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	an opening for offshore wind. I mean, there was a new policy to make 14:17:07 it happen, which was interrupted, but until it was 14:17:09 interrupted, it was a potentially attractive 14:17:11 regulatory framework. 14:17:15 Q. And the I know you said 14:17:18 elsewhere that price stability is a single most 14:17:20 important factor in financing renewable energy 14:17:24 projects. 14:17:29 A. Yes. 14:17:29 Q. And I take it that, as you said, 14:17:32 this is because these projects require a significant 14:17:32 expenditure up front, which is then recouped from 14:17:36 long-term revenue stream? 14:17:46 especially in the market where it doesn't exist. I 14:17:47 tariffs there, you have your revenue stability. 14:17:49 Markets over here where it doesn't exist, having 14:17:50 a PPA makes the difference between the sector not 14:17:55 yes, the what was the the word this morning, 14:17:58	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	of the essential items, so, yes. Q. And the just to go through the 14:18:19 attributes of the FIT contract itself because you 14:18:20 you know them for 20 years 14:18:22 A. It was a very good contract for 14:18:26 offshore wind, yes. I would have no problem with 14:18:28 (Simultaneous speakers - unclear) 14:18:30 Q. Tell me why 14:18:31 A. I have no problem saying that, 14:18:31 that it was a good contract. It would have been 14:18:33 a good contract, offshore wind. 14:18:35 Q. And it was a good contract because 14:18:37 of the 20-year? 14:18:39 A. 20-year price stability are two 14:18:40 features. 20-year is not necessary, but it's nice. 14:18:42 Q. How does it compare to the 14:18:46 European contract? 14:18:47 A. You have everything from 10 to 14:18:49 12 years in Germany which is linked to water depth 14:18:52 and distance from shore, to 20 years in Belgium as 14:18:56 well, so more typically it's 15 years, it's 15 14:18:59 or 20. 14:19:02

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1	Q. Netherlands? 14:19:13	1	banked without full [offtake]. (sotto voce) 14:20:14
2	A. 20 15. 14:19:14	2	Q. Okay. 14:20:16
3	Q. 15, Netherlands? 14:19:17	3	A. Again, it's one of it's tick 14:20:16
4	A. The main one to be 20 is Belgium. 14:19:19	4	the box yes, but it's it's necessary but not 14:20:18
5	Q. Okay. 14:19:23	5	sufficient. 14:20:20
6	A. And 20 is good. It's a good 14:19:23	6	Q. What about the inflation indexing? 14:20:21
7	it's a good tariff. It attracts between 15 and 14:19:23	7	How common is that, the inflation indexing that was 14:20:23
8	20 is better for the investors so you can have lower 14:19:26	8	in the FIT contract? 14:20:27
9	tariff to make it work. It's both are fully 14:19:29	9	A. You have both. You have indexing 14:20:28
10	bankable. 14:19:34	10	in the UK and France. And you don't have it in the 14:20:29
11	Q. And the fact that you could 14:19:35	11	Netherlands or Germany. You have it in Belgium, 14:20:34
12	that you were guaranteed to be able to sell all your 14:19:36	12	so 14:20:36
13	power under the FIT contract, all of it, was that 14:19:38	13	Q. And I take it you're better off if 14:20:37
14	also attractive compared to other regimes? 14:19:42	14	you have inflation indexing than if you don't as - 14:20:39
15	A. Oh, that's the bare minimum you 14:19:44	15	as (Simultaneous speakers - unclear) 14:20:39
16	need. So, yes, I mean, it's necessary again. 14:19:47	16	A. You're asking as a from 14:20:40
17	Again, something you need in the FIT contract. 14:19:48	17	a public policy perspective or from an 14:20:41
18	Q. But but I but but there 14:19:51	18	Q. I'm asking 14:20:44
19	are other contracts where all the power you produce 14:19:52	19	A investor perspective? 14:20:44
20	isn't necessarily purchased at the you know, at 14:19:56	20	Q. I'm asking to from the 14:20:46
21	the high price; correct? 14:19:58	21	perspective of a of a 14:20:48
22	A. When that's the case, it's not 14:20:00	22	A. An investor. 14:20:49
23	banked because banks always want the they don't 14:20:02	23 24	Q the developer. 14:20:50
24 25	want to take volume risk. So, that doesn't you 14:20:05	25	A. It's better for investors and 14:20:50
25	don't have any project in offshore wind that's been 14:20:07	25	lenders because it mitigates the inflation risk, 14:20:53
	Page 198		Page 199
1	sort of naturally hedges it, but not inflating it is 14:20:56	1	would say, by the Ontario government, would that 14:21:48
2	still bankable. 14:21:00	2	be 14:21:50
3	Q. Okay. 14:21:00	3	A. Yes. 14:21:51
4	A. I mean, I'll say it again, it's 14:21:01	4	Q. Would that be an attractive 14:21:51
5			Q. Would that be an attractive 14.21.31
	a good FIT contract. It would have worked as 14:21:02	5	counterparty? 14:21:53
6	a good FIT contract. It would have worked as a contract, as a revenue stream. That was one of 14:21:04	5	
6 7			counterparty? 14:21:53
7 8	a contract, as a revenue stream. That was one of the tick the box items for offshore window. So, yes, I'll stipulate to that 14:21:10	6 7 8	counterparty? 14:21:53 A. It would be an acceptable 14:21:53
7 8 9	a contract, as a revenue stream. That was one of 14:21:04 the tick the box items for offshore window. So, 14:21:07 yes, I'll stipulate to that 14:21:10 Q. No, and I was only trying to 14:21:19	6 7 8 9	counterparty? 14:21:53 A. It would be an acceptable 14:21:53 counterparty, yes. 14:21:55 Q. And how would it compare to other 14:21:56 counterparties? Because I understand sometimes your 14:21:59
7 8 9 10	a contract, as a revenue stream. That was one of 14:21:04 the tick the box items for offshore window. So, 14:21:07 yes, I'll stipulate to that 14:21:10 Q. No, and I was only trying to 14:21:19 explore 14:21:19	6 7 8 9	counterparty? 14:21:53 A. It would be an acceptable 14:21:53 counterparty, yes. 14:21:55 Q. And how would it compare to other 14:21:56 counterparties? Because I understand sometimes your 14:21:59 the counterparty is a utility not necessarily backed 14:22:00
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7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	a contract, as a revenue stream. That was one of 14:21:04 the tick the box items for offshore window. So, 14:21:07 yes, I'll stipulate to that 14:21:10 Q. No, and I was only trying to 14:21:19 explore 14:21:19 MR. TERRY: I'll stipulate to that, I 14:21:19 believe. 14:21:19 THE WITNESS: I will stipulate to 14:21:20 that. And sorry about my French. 14:21:22 BY MR. TERRY 14:21:24 Q. What I'm simply trying to get at 14:21:25 is the why here. 14:21:27 A. Yeah. 14:21:29 Q. Why it's attractive and to go 14:21:29 through the items and and I guess I'm trying 14:21:30 to see if I have well, in terms of the 14:21:36 A. No price risk, no volume risk, 14:21:39	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	counterparty? A. It would be an acceptable 14:21:53 COUNTERPARTY, yes. Q. And how would it compare to other 14:21:56 counterparties? Because I understand sometimes your 14:21:59 the counterparty is a utility not necessarily backed 14:22:00 by the state. 14:22:05 A. Not in Europe. It's almost always 14:22:06 either the the grid entity or the local utility 14:22:09 by law which will always exist. I mean, unless you 14:22:11 start worrying about having no electricity. Q. How about how about in the US? 14:22:18 A. There's no offshore wind in the 14:22:19 US. 14:22:21 Q. No, but in we're talking in 14:22:21 general about PPA contracts and the counterparty, 14:22:24 you know, and 14:22:26 A. Oh, for both Cape wind and 14:22:27

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1	US examples? 14:22:45	I know in your in your statement in answering or 14:23:47
2	A. Yes. 14:22:46	in giving your introduction, you suggested somehow 14:23:5
3	Q. And what's better to have as 14:22:46	that the grid connection was uncertain in the case 14:23:54
4	a counterparty, a a government or a utility? 14:22:47	of Windstream. And I just I'm happy to let you 14:23:56
5	A. You look at the counterparty risk. 14:22:50	5 correct your evidence, but were you aware that they 14:24:00
6	You can make it work with a strong utility. You can 14:22:52	6 had they had obtained all the you know, the 14:24:03
7	make it work with a government entity. So, yes, 14:22:54	7 priority connection that is that is possible to 14:24:08
8	again, it worked. OPA would have been a 14:22:57	8 attain before a project moves forward to operation 14:24:12
9	an acceptable counterparty for an offshore wind 14:22:59	9 and that is that is regarded in the development 14:24:17
10	project. 14:23:02	community here as being, you know, essentially 14:24:20
11	Q. Okay. 14:23:02	guaranteed access to the grid, if you can construct 14:24:23
12	MR. BISHOP: You're both sometimes 14:23:02	your project and operate it? Were you aware of 14:24:27
13	letting your voice drop at the end of the paragraph. 14:23:07	13 that? 14:24:29
14	MR. TERRY: I apologize. I think 14:23:11	A. Except banks look at grid issues 14:24:31
15	we've slipped into too much conversational mode 14:23:12	extremely carefully. In Germany, you actually had 14:24:34
16	here, so I'll pick it up on my side. 14:23:15	a stayed guarantee that you would get the grid, and 14:24:37
17	I don't know whether the mics can - 14:23:19	the grid wasn't there in 2013 when the projects were 14:24:38
18	I'll lean in a little bit too. I have the all 14:23:20	built. So that's a risk they look at very 14:24:42
19	right. Thanks. 14:23:27	carefully. So it is not just having actually the 14:24:44
20	BY MR. TERRY: 14:23:31	a promise of a grid connection or even a grid 14:24:46
21	Q. In terms of the grid connection 14:23:31	connection contract, which I'm not sure was there, 14:24:49
22	here, do you understand how grid connection works 14:23:33	but it's actually who's going to build it and when. 14:24:52
23	under the FIT contract here in Ontario? 14:23:36	So, the grid issue is a very protracted issue, so, 14:24:54
24	A. Let's keep the answer to no. 14:23:41	like I said, it looks like the steps in the right 14:24:58
25	Q. All right. Because I I 14:23:47	direction were underway, but the process was not 14:25:01
	Page 202	Page 20
1	fully completed. Which is I mean, it's not 14:25:03	1 offshore wind, yeah. 14:26:04
2		
2	a criticism, per se, but it's it would still be 14:25:06	Q. And and of course, we don't 14:26:05
3	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06
3 4	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09
3 4 5	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09
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3 4 5 6 7	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16 Q. And and and do you 14:25:19 understand that on November 8th, 2010, Windstream 14:25:20	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09 would be an essential criterion for an offshore wind 14:26:11 project. 14:26:15
3 4 5 6 7 8	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16 Q. And and and do you 14:25:19 understand that on November 8th, 2010, Windstream 14:25:20 received a notice of conditional approval for 14:25:25	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09 would be an essential criterion for an offshore wind 14:26:11 project. 14:26:15 Q. And I understand that in in 14:26:15
3 4 5 6 7 8	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16 Q. And and and do you 14:25:19 understand that on November 8th, 2010, Windstream 14:25:20 received a notice of conditional approval for 14:25:25 connection from the IESO? Do you do you know 14:25:27	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09 would be an essential criterion for an offshore wind 14:26:11 project. 14:26:15 Q. And I understand that in in 14:26:15 Europe the grid connection issues are more complex; 14:26:1
3 4 5 6 7 8 9	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16 Q. And and and do you 14:25:19 understand that on November 8th, 2010, Windstream 14:25:20 received a notice of conditional approval for 14:25:25 connection from the IESO? Do you do you know 14:25:27 that? 14:25:30	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09 would be an essential criterion for an offshore wind 14:26:11 project. 14:26:15 Q. And I understand that in in 14:26:15 Europe the grid connection issues are more complex; 14:26:1 is that fair to say? 14:26:21
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3 4 5 6 7 8 9 10 11	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16 Q. And and and do you 14:25:19 understand that on November 8th, 2010, Windstream 14:25:20 received a notice of conditional approval for 14:25:25 connection from the IESO? Do you do you know 14:25:27 that? 14:25:30 A. What I hear is a banker's 14:25:31 conditional. 14:25:32	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09 would be an essential criterion for an offshore wind 14:26:11 project. 14:26:15 Q. And I understand that in in 14:26:15 Europe the grid connection issues are more complex; 14:26:1 is that fair to say? 14:26:21 A. Well, it's country-specific, so 14:26:22 it's been dealt with quite different in each 14:26:25
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	a criticism, per se, but it's it would still be 14:25:06 seen as having some residual risk. As far as I can 14:25:11 see. As little as possible, possibly, but as you 14:25:14 could at that stage, but 14:25:16 Q. And and and do you 14:25:19 understand that on November 8th, 2010, Windstream 14:25:20 received a notice of conditional approval for 14:25:25 connection from the IESO? Do you do you know 14:25:27 that? 14:25:30 A. What I hear is a banker's 14:25:31 conditional. 14:25:32 Q. Did 14:25:35 A. Yeah, and I understand, but I 14:25:37 said, all the right steps, but more to be done. 14:25:41 I mean, tell me if you're if you're aware of 14:25:43 this, but I take it you're not aware of the fact 14:25:46	Q. And and of course, we don't 14:26:05 have an opportunity to to test that in Ontario at 14:26:06 this point in time. 14:26:09 A. But I'm telling you that this 14:26:09 would be an essential criterion for an offshore wind 14:26:11 project. 14:26:15 Q. And I understand that in in 14:26:15 Europe the grid connection issues are more complex; 14:26:1 is that fair to say? 14:26:21 A. Well, it's country-specific, so 14:26:22 it's been dealt with quite different in each 14:26:25 country. 14:26:29 We can go through the different 14:26:31 Q. Well, the - 14:26:33 A. It is it is complex each time. 14:26:36
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Page 204 Page 205 1 1 14:28:08 a date to the project so you can start building on 14:26:56 grid, you don't have the project and you actually 2 2 need to ship diesel in the middle of the water to the base of that promise, and they pay penalties if 14:26:58 14:28:11 3 3 they don't actually deliver the grid on the due keep turbines running because they don't have 14:28:13 4 4 electricity otherwise to keep some of the systems 14:27:04 14:28:16 5 5 What happened is that you've got four 14:27:05 functional, so ... but it was made to work and it 14:28:18 6 6 projects built at the same time and the grid was financed before and after. 14:28:20 14:27:07 7 operator didn't manage to build the actual grid 14:27:09 7 Q. Yeah. So it sounds that -- and 14:28:23 8 connections. And then people realize that the law 14:27:12 8 it's fair to say that grid connection is more 14:28:25 9 9 wasn't completely clear on the amount of penalties 14:27:15 complex; it will depend on the jurisdiction, but in 14:28:27 10 10 that would be paid. It was lost at full Europe in general, grid connection can be complex, 14:28:30 11 compensation, but how much is that actually? So 14:27:22 11 the issues related to grid connection? 14:28:33 12 12 they redrafted the law to say exactly how much that 14:27:24 A. I mean, you have something which 14:28:37 13 would be. That took about a year, which is pretty 14:27:27 13 is almost as good as a German government guarantee, 14:28:40 14 fast when you think about it. But the reality is, 14:27:29 14 14:28:42 so I mean, it's still risky. 15 15 yes, the grid was one year late and these projects 14:27:31 Q. And do you know, and you may not, 14:28:45 16 16 got compensation in the meantime. They were 14:27:34 that the whole basis of being granted a FIT contract 14:28:47 17 17 financed on the basis of previous law. New projects 14:27:38 was that you were guaranteed access to the grid if 14:28:50 18 have been financed on the basis of the new law. So 14:27:42 18 you're able to build a project; do you know that? 14:28:54 19 it is possible to have the grid built by the grid 14:27:45 19 A. That's a big "If." Again, but 14:28:57 20 20 operator, but there was a lot of stress along the 14:27:47 yes, I don't dispute it if you tell me. 14:29:00 21 21 way to -- to make sure, (1), that the new law would 14:27:52 Q. Were you here for the testimony of 14:29:03 22 22 be much more explicit, and (2), that if there is Sarah Powell where she described the number of large 14:29:04 14:27:55 23 23 a delay, what happens? And that's why banks want 14:27:59 on-shore projects that are being built? 14:29:07 24 these long buffer periods and the ability for the 14:28:01 24 A. Yes. 14:29:09 25 project to survive, because when you don't have the 14:28:05 25 Q. All right. So the "If" you're 14:29:10 Page 207 Page 206 1 1 particular issues that on-shore projects have had in 14:30:16 talking about is, I assume, the "If" being the fact 14:29:12 2 2 of because of the moratorium, we haven't been able 14:29:17 Ontario involving litigation or related matters? 14:30:18 3 3 to have an offshore project in Ontario? 14:29:19 A. No. 4 A. Well, you have timelines, 14:29:22 4 Q. Okay. And -- and with respect to 14:30:24 5 I understand, that are pretty strict, which are much 14:29:24 5 the issue about laying cable -- and I appreciate 14:30:30 6 easier to meet in an on-shore project than in 14:29:27 6 that's a big issue in Europe for offshore projects; 14:30:33 7 an offshore one. 14:29:29 7 right? For example, if you are laying a cable for 14:30:37 8 8 14:29:31 a turbine 95 kilometres off the coast, that's As far as I understood from this 14:30:40 9 9 a significant technical issue? 14:30:43 morning, the regulatory issues were pretty 14:29:32 10 10 straightforward to deal with, whereas for offshore 14:29:34 14:30:45 A. Not necessarily. 11 11 wind, you simply didn't have precedent or you didn't 14:29:37 14:30:47 Q. All right. 12 12 have the rules, so you'd have to get ad hoc approval 14:29:39 A. The -- the hardest part of the 14:30:48 13 13 offshore cables can be the on-shore bids, you know, 14:30:49 for a number of things. Same thing for the grid. 14:29:42 14 14 I mean, you -- you know how it works for on-shore 14:29:45 typically, but ... 14:30:52 15 because you understand the timelines and it's 14:29:47 15 Q. All right. So in Ontario, if you 14:30:55 16 16 smaller capacity, it's smaller cables. Here you 14:29:50 have a project like the Windstream project which is 14:30:58 17 17 need to build a higher voltage line, probably longer 14:29:55 subject to a five-kilometre setback, let's say, 18 18 distance. You need to do it over, underwater and 14:29:58 you'd only have to do a five-kilometre cable; 14:31:06 19 19 across land, so again, un-tested. correct? 14:30:01 14:31:09 20 20 I'm not saying it can't be done, it 14:30:03 A. Sure. I mean, the hard part is 14:31:09 21 21 wouldn't have been done, but it's just that it was 14:30:04 not the length of the cable at sea. It's the 14:31:11 22 22 un-tested. 14:30:07 crossing of the dunes. It's the arrival on land. 14:31:14 23 23 Q. All right. And are you aware -- 14:30:09 And the bid on land is -- is the -- typically the 14:31:17 24 24 and again, I know you don't know the Ontario market, 14:30:10 hardest to permit and to -- the building a cable at 14:31:20 25 25 but I take it you're -- you're not aware of all the 14:30:12 sea is the same whether it's -- I mean, it's more 14:31:23

		1	
	Page 208		Page 209
1	expensive whether it is 10 or 100 kilometres, 14:31:27	1	you'd agree that there are engineers even in Ontario 14:32:25
2	obviously, but it is technically understood. 14:31:30	2	that are able to handle those issues? 14:32:28
3	Q. And are you aware, sir, that in 14:31:32	3	A. Well, it's not the for the 14:32:30
4	this case, the developer of this project had had 14:31:34	4	cables, the issue is more the permitting side than 14:32:31
5	built or played a significant role in arranging for 14:31:37	5	the engineering side of things. 14:32:34
6	the development of the Wolfe Island's project which 14:31:39	6	Q. And we've seen that the permitting 14:32:35
7	actually involves running a cable from Wolfe Island 14:31:42	7	side has been handled in both projects. 14:32:37
8	along the lakebed and to the shore and back on the 14:31:48	8	A. It can be. 14:32:40
9	shore again? So they had already dealt with this 14:31:50	9	Q. It has been. 14:32:41
10	issue, in a previous project. 14:31:52	10	A. Okay. 14:32:45
11	A. Okay. 14:31:56	11	Q. And when you and sir, then 14:32:45
12	Q. And are you aware that there is 14:31:56	12	I take it you're saying that there's it's just as 14:32:46
13	another project that has a REA approval? Do you 14:31:58	13	easy then to run 95 kilometres worth of cable 14:32:48
14	know what a REA approval is? 14:32:00	14	through the North Sea to a turbine project there 14:32:54
15	A. I think so, but 14:32:02	15	as it would be to run five kilometres of cable on 14:32:57
16	Q. Right. It has renewable energy 14:32:04	16	Lake through Lake Ontario? 14:33:00
17	approval. The Ministry of Environment has approved 14:32:07	17	A. Well, like you said, in both case, 14:33:02
18	it to go ahead, the Amherst Island project, and it 14:32:10	18	it's understood, yeah. Engineers know what they 14:33:03
19	has a submarine cable that will run to another 14:32:13	19	need to do. 14:33:08
20	Amherst Island, which is another island in eastern 14:32:17	20	Q. Right. And do you know, sir, 14:33:09
21	Lake Ontario, along the lakebed and back onto the 14:32:19	21	about the conditions in Lake Ontario? 14:33:10
22	shore? 14:32:21	22	A. In theory, yes. 14:33:13
23	A. Okay. So it's doable. Yes, 14:32:21	23	Q. In theory. You you you 14:33:16
24	I don't dispute that. 14:32:23	24	raised all sorts of issues and I you know, I 14:33:18
25	Q. Right. And and I think you 14:32:25	25	you said you're not an engineer but I have to, for 14:33:20
	Page 210		Page 211
1	Page 210	1	Page 211
1	the record, since you've raised these issues, put 14:33:24	1	when you have wind, it's not easy to build. Even if 14:34:26
2	the record, since you've raised these issues, put 14:33:24 them back to you. 14:33:26	2	when you have wind, it's not easy to build. Even if 14:34:26 you have don't have the same big wave, you still to 14:34:31
2	the record, since you've raised these issues, put 14:33:24 them back to you. 14:33:26 You talked about, for example, 14:33:28	2 3	when you have wind, it's not easy to build. Even if 14:34:26 you have don't have the same big wave, you still to 14:34:31 wind. When you're you need to move objects 14:34:32
2 3 4	the record, since you've raised these issues, put 14:33:24 them back to you. 14:33:26 You talked about, for example, 14:33:28 corrosion issues with offshore wind projects. You 14:33:30	2 3 4	when you have wind, it's not easy to build. Even if 14:34:26 you have don't have the same big wave, you still to 14:34:31 wind. When you're you need to move objects 14:34:32 100 metres in the air with a half of a centimetre of 14:34:35
2 3 4 5	the record, since you've raised these issues, put 14:33:24 them back to you. 14:33:26 You talked about, for example, 14:33:28 corrosion issues with offshore wind projects. You 14:33:30 appreciate in freshwater, you're not going to have 14:33:37	2 3 4 5	when you have wind, it's not easy to build. Even if 14:34:26 you have don't have the same big wave, you still to 14:34:31 wind. When you're you need to move objects 14:34:32 100 metres in the air with a half of a centimetre of 14:34:35 precision, yeah, wind matters. 14:34:38
2 3 4 5 6	the record, since you've raised these issues, put 14:33:24 them back to you. 14:33:26 You talked about, for example, 14:33:28 corrosion issues with offshore wind projects. You 14:33:30 appreciate in freshwater, you're not going to have 14:33:37 those same corrosion issues? 14:33:39	2 3 4 5 6	when you have wind, it's not easy to build. Even if 14:34:26 you have don't have the same big wave, you still to 14:34:31 wind. When you're you need to move objects 14:34:32 100 metres in the air with a half of a centimetre of 14:34:35 precision, yeah, wind matters. 14:34:38 So I presume you would be building 14:34:39
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	the record, since you've raised these issues, put 14:33:24 them back to you. 14:33:26 You talked about, for example, 14:33:28 corrosion issues with offshore wind projects. You 14:33:30 appreciate in freshwater, you're not going to have 14:33:37 those same corrosion issues? 14:33:39 A. Well, you'll still have some, but, 14:33:41 yes, it's not as bad as seawater, I agree. 14:33:43 Q. Right. And and and do you 14:33:46 appreciate again I know you don't know Lake 14:33:47 Ontario, but I I understand in the North Sea you 14:33:50 can have waves of 30 metres high. 14:33:57 Q. Well, you're talking 14:33:59 A. I'd say 10, but 14:33:59 A. You have bigger waves, but you 14:34:00 don't have ice, so I think it balances out to some 14:34:02 extent. 14:34:06 Q. You talked about the hostile 14:34:07	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	when you have wind, it's not easy to build. Even if 14:34:26 you have don't have the same big wave, you still to 14:34:31 wind. When you're you need to move objects 14:34:32 100 metres in the air with a half of a centimetre of 14:34:35 precision, yeah, wind matters. 14:34:38 So I presume you would be building 14:34:39 the wind farm in a place where there's plenty of 14:34:41 wind, so yes. It's not going to be easy even in the 14:34:43 less hostile waters of Lake Ontario as compared to 14:34:47 the North Sea. 14:34:51 Q. And I I take it, sir, that with 14:34:54 respect to questions of such as how how often 14:35:03 building a wind turbine in a in an ice condition 14:35:07 or what you do to maintain wind turbines in an ice 14:35:12 condition, again, I assume you would you would 14:35:18 evidence on that? 14:35:22
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1	Again, there's two things. One is 14:35:42	1	particular issues, given your experience the 14:36:45
2	finding a solution that the engineers are happy	2	focus of your experience in Europe? And I'm talking 14:36:47
3	with, and the second is finding a solution that you	3	about actually how you go about financing a FIT 14:36:49
4	can explain to the bankers.	4	contract project. 14:36:53
5	Q. Of course, but 14:35:51	5	A. Well, you know, the interesting 14:36:54
6	A. And the standard is not the same, 14:35:52	6	thing about project financiers is even though 14:36:57
7	and sometimes you do things differently because even 14:35:53	7	they're bankers, they actually work and they 14:37:00
8	though it's better from an engineer's perspective, 14:35:55	8	actually try to understand the risk, so they read 14:37:03
9	you cannot explain it to the banks and you have to 14:35:57	9	the documents. So we'd read the if I had to do 14:37:05
10	do differently. 14:36:01	10	the deal in Ontario, I'd we read the law and I'd 14:37:08
11	So, again, interface between the two. 14:36:02	11	read the legal opinion. I haven't had to do a deal 14:37:11
12	Q. Yeah. You, as a finance person, 14:36:04	12	over here, so I'm not as familiar with the 14:37:14
13	would rely on the engineer to tell you about the 14:36:07	13	situation. But when you do deal in a jurisdiction, 14:37:15
14	problems and whether they could be fixed. You'd 14:36:10	14	you actually go and read the documents and the law 14:37:17
15	make an assessment on that basis and then, in your 14:36:13	15	and what applies, and then you ask for the lawyers 14:37:19
16	world, the financing world, you'd take that 14:36:16	16	to explain it to you and they're going to summarize 14:37:23
17	information, see whether or not you could develop 14:36:18	17	it in their report. But you so you read those 14:37:25
18	a project or not? 14:36:20	18	reports, but you need to understand the details of 14:37:28
19	A. That's one way to put it, yes. 14:36:22	19	the law and and the and and all the 14:37:30
20	Q. Okay. 14:36:24	20	specifics, so we do go into the detail. It's not 14:37:33
21	A. Okay. 14:36:25	21	it's not bond investors that just want to see 14:37:36
22	Q. And and specifically with 14:36:25	22	a letter and and they're happy with that. You do 14:37:42
23	respect to experience in financing projects under 14:36:27	23	try to understand what the lawyers and engineers do.
24	Ontario FIT contracts, you would defer to the 14:36:36	24	Q. But, sir, and correct me if I'm 14:37:46
25	evidence of a person like Sarah Powell on those 14:36:41	25	wrong, you don't have experience arranging financing 14:37:48
	Page 214		Page 215
1	successfully for a FIT contract wind project? 14:37:53	1	pretty quickly how to do on-shore wind. Offshore 14:38:54
2	A. Define "FIT contract." I finance 14:37:58	2	wind, it's just she would need to learn it from me. 14:38:57
3	PPAs, I finance Feed-in-Tariffs. 14:38:02	3	Q. And we're handicapped here. We're 14:39:00
4	Q. No, no. Under the Ontario FIT 14:38:06	4	handicapped here because we don't have an offshore 14:39:02
5	system. 14:38:08	5	FIT project at the moment. 14:39:10
6	A. I'd need to check what I've done 14:38:09	6	A. Yeah. 14:39:12
7	at Dexia, but I've probably done financings under 14:38:10	7	Q. Oh, yeah, one more thing, and you 14:39:16
8	long-term power purchase agreements in Ontario in 14:38:15	8	probably already know this, but you understand that 14:39:18
9	the past. 14:38:18	9	in the Ontario regulatory environment there is 14:39:19
10	Q. I'm talking specifically about the 14:38:18	10	the Green Energy Act was designed. A number of 14:39:22
11	Ontario FIT contract. 14:38:20	11	people have talked about turbocharging the 14:39:25
12	A. I don't. I have people in the 14:38:22	12	Green Energy industry in Ontario. Was that your 14:39:28
13	company that have. 14:38:23	13	understanding of the purpose of the legislation? 14:39:32
14	Q. Okay. But you personally don't 14:38:27	14	A. It was at the time, yes. 14:39:34
15	have excuse me. You personally don't have that 14:38:28	15	Q. And the were you aware of this 14:39:37
16	experience? 14:38:30	16	office called the Renewable Energy Facilitation 14:39:40
17	A. I don't, yes. 14:38:30	17	Office? 14:39:41
18	Q. And my simple question is then: In 14:38:31	18	A. I'm not, but it sounds consistent 14:39:44
19	terms of having experience with arranging financing 14:38:34	19	with that acceleration thing. 14:39:47
20	under the Ontario FIT contract, Sarah Powell would 14:38:38	20	Q. And it was designed to be a 14:39:49
21	have more experience than you do? 14:38:43	21	one-stop shop the developers could use to help to 14:39:52
22	A. Not for offshore wind. 14:38:44	22	move the process forward in terms of the various 14:39:56
23	Q. Well, I there may be a tie 14:38:49	23	issues they needed from the ministries that were 14:39:59
24	there because I 14:38:50	24	involved in the Green Energy Act implementation? 14:40:01
25	A. I'm pretty sure that I could learn 14:38:53	25	A. I mean, I was one of these 14:40:04

	Page 216		Page 217
1	international players looking at the Ontario market 14:40:06	1	A. Okay. 14:41:42
2	back in 2010, so I can confirm that at at that 14:40:12	2	Q. If you could turn to page 34 34 14:41:43
3	time, it was looking like an attractive market for 14:40:14	3	of your witness statement, there's a chart at 14:41:46
4	offshore wind. But the moratorium put a stop to 14:40:17	4	paragraph 211. 14:41:50
5	that. But that's just a market context. It would 14:40:19	5	A. Yep. 14:41:52
6	have been if the moratorium hadn't played, it 14:40:28	6	Q. And just so I understand this 14:41:53
7	would probably be in good place to do offshore wind 14:40:31	7	PRESIDENT: It's 112 or 111? 14:42:06
8	with the FIT tariff with these policy steps to make 14:40:33	8	MR. TERRY: Yeah, 111 between 112 14:42:09
9	these projects doable. It doesn't mean that this 14:40:34	9	and 111. 14:42:10
10	specific project was at the stage where it was worth 14:40:37	10	PRESIDENT: Between the two. 14:42:12
11	the amounts of money that you're saying. 14:40:40	11	MR. TERRY: Yeah. 14:42:19
12	Q. And you recall, sir, that well, 14:40:52	12	BY MR. TERRY 14:42:19
13	let me turn to an area, a different area where I'd 14:40:55	13	Q. I guess I see two things from this 14:42:19
14	like to put a number of just propositions to you and 14:40:58	14	chart and tell me if I'm wrong. But the first thing 14:42:21
15	to see whether you agree or not. And if I could 14:41:01	15	I see is that from the period of 2010 to 2012, in 14:42:24
16	take you to to your witness statement, please. 14:41:03	16	that period, according to your chart, that the 14:42:30
17	MR. SPELLISCY: For the record, it's 14:41:12	17	various offshore transactions that you've listed 14:42:39
18	actually an expert report, not a witness statement. 14:41:13	18	here in general were taking taking longer than 18 14:42:43
19	MR. TERRY: I'm sorry. That wasn't 14:41:18	19	months to close. 14:42:53
20	meant to cast aspersions, except when it comes to 14:41:19	20	A. Starting from the moment you 14:42:54
21	engineering construction. 14:41:25	21	approached the banks, to be very specific, that's 14:42:55
22	BY MR. TERRY: 14:41:28	22	the period, from the moment you approach the banks 14:42:58
23	Q. Sir, I'd just like to take you 14:41:28	23	to financial close. 14:43:01
24	through a number of topics, and the first one is 14:41:30	24	Q. Okay. 14:43:02
25	length of time for financial close. 14:41:39	25	A. That's what you present to 14:43:02
	Page 218		Page 219
1	_	1	_
1 2	Q. Approach the banks. And those are 14:43:03	1 2	work on that transaction in 2011. That's when we 14:44:19
1 2 3	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04	1 2 3	work on that transaction in 2011. That's when we started working on the on the turbine contracts 14:44:19
2	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06	2	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24
2	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11	2 3	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27
2 3 4	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13	2 3 4	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30
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2 3 4 5 6 7	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27	2 3 4 5 6 7	work on that transaction in 2011. That's when we started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37
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2 3 4 5 6 7 8 9 10	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30	2 3 4 5 6 7 8 9 10	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45
2 3 4 5 6 7 8 9 10 11 12	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:33 Q. So, yeah, that, I guess, is 14:43:38	2 3 4 5 6 7 8 9 10 11	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:33 Q. So, yeah, that, I guess, is 14:43:38 is I suppose we're making you're making a plug 14:43:40 for your services and I think if we were if my 14:43:43 client was able to develop this offshore wind 14:43:46 project, you'd probably be the first person they 14:43:48 would call to arrange financing. 14:43:51	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45 being your best effort at being accurate in 14:44:53 A. Yes, again, from contacting the 14:44:58 banking market to financial close, yes. 14:44:59 Q. All right. And again, as I read 14:45:03
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:33 Q. So, yeah, that, I guess, is 14:43:38 is I suppose we're making you're making a plug 14:43:40 for your services and I think if we were if my 14:43:43 client was able to develop this offshore wind 14:43:46 project, you'd probably be the first person they 14:43:48 would call to arrange financing. 14:43:51 But is it fair to say, sir, that on 14:43:52	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45 being your best effort at being accurate in 14:44:47 providing this evidence to the Tribunal? 14:44:58 banking market to financial close, yes. 14:44:59 Q. All right. And again, as I read 14:45:03 this, since 2013, on average, it takes six to nine 14:45:04
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:33 Q. So, yeah, that, I guess, is 14:43:38 is I suppose we're making you're making a plug 14:43:40 for your services and I think if we were if my 14:43:43 client was able to develop this offshore wind 14:43:46 project, you'd probably be the first person they 14:43:48 would call to arrange financing. 14:43:51 But is it fair to say, sir, that on 14:43:52 your chart, as I said, before 2013, we see longer 14:43:54	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	work on that transaction in 2011. That's when we 14:44:19 started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45 being your best effort at being accurate in 14:44:47 providing this evidence to the Tribunal? 14:44:53 A. Yes, again, from contacting the 14:44:59 Q. All right. And again, as I read 14:45:03 this, since 2013, on average, it takes six to nine 14:45:04 months from from the approach of the banks to 14:45:08
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:38 is I suppose we're making you're making a plug 14:43:40 for your services and I think if we were if my 14:43:48 client was able to develop this offshore wind 14:43:48 would call to arrange financing. 14:43:51 But is it fair to say, sir, that on 14:43:52 your chart, as I said, before 2013, we see longer 14:44:04 A. Well, from our perspective we 14:44:06	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	work on that transaction in 2011. That's when we started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45 being your best effort at being accurate in 14:44:47 providing this evidence to the Tribunal? 14:44:53 A. Yes, again, from contacting the 14:44:58 banking market to financial close, yes. 14:44:59 Q. All right. And again, as I read 14:45:03 this, since 2013, on average, it takes six to nine 14:45:04 months from from the approach of the banks to 14:45:08 close a financial transaction, yes? 14:45:10 A. Yes, because people have learned 14:45:17 when to go to the banking market, yes. 14:45:18
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:22 A. Well, that's because the the 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:33 Q. So, yeah, that, I guess, is 14:43:38 is I suppose we're making you're making a plug 14:43:40 for your services and I think if we were if my 14:43:43 client was able to develop this offshore wind 14:43:46 project, you'd probably be the first person they 14:43:48 would call to arrange financing. 14:43:51 But is it fair to say, sir, that on 14:43:52 your chart, as I said, before 2013, we see longer 14:43:54 period for financial close, after 2013 we see 14:44:00 shorter period for financial close? 14:44:06 didn't take longer then than we did before. There's 14:44:08	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	work on that transaction in 2011. That's when we 14:44:19 started working on the — on the turbine contracts 14:44:22 and selection of the contractors. So the — the 14:44:24 financing part is — so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking — I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've — you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45 being your best effort at being accurate in 14:44:47 providing this evidence to the Tribunal? 14:44:53 A. Yes, again, from contacting the 14:44:58 banking market to financial close, yes. 14:44:59 Q. All right. And again, as I read 14:45:03 this, since 2013, on average, it takes six to nine 14:45:04 months from — from the approach of the banks to 14:45:08 close a financial transaction, yes? 14:45:17 when to go to the banking market, yes. 14:45:18 Q. And that in fact is — and when we 14:45:30
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Approach the banks. And those are 14:43:03 the ones we particularly see in the bottom half of 14:43:04 the the chart in the sort of lighter grey? So 14:43:06 that's between 2010 and 2012. 14:43:11 And then what I see after that from 14:43:13 in 2013, 2014 and 2015, is that financial close is 14:43:17 typically taking six to nine months. 14:43:27 late ones are run by us and we go to the banks at 14:43:28 the last possible moment, so obviously the last bit 14:43:30 is pretty short, but, yes. 14:43:38 is I suppose we're making you're making a plug 14:43:40 for your services and I think if we were if my 14:43:48 client was able to develop this offshore wind 14:43:48 would call to arrange financing. 14:43:51 But is it fair to say, sir, that on 14:43:52 your chart, as I said, before 2013, we see longer 14:44:04 A. Well, from our perspective we 14:44:06	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	work on that transaction in 2011. That's when we started working on the on the turbine contracts 14:44:22 and selection of the contractors. So the the 14:44:24 financing part is so for us, it is a marketing 14:44:27 shorthand to say that the banking part is pretty 14:44:30 short, but it took two years of work to be able to 14:44:33 do the last bit of work at six months. 14:44:35 Q. Right, but all I'm asking I'm 14:44:37 simply asking about the period of financial close. 14:44:38 And you've you set out a chart here where you've 14:44:40 indicated the period of financial close for all 14:44:43 these projects. I assume we take this chart as 14:44:45 being your best effort at being accurate in 14:44:47 providing this evidence to the Tribunal? 14:44:53 A. Yes, again, from contacting the 14:44:58 banking market to financial close, yes. 14:44:59 Q. All right. And again, as I read 14:45:03 this, since 2013, on average, it takes six to nine 14:45:04 months from from the approach of the banks to 14:45:08 close a financial transaction, yes? 14:45:10 A. Yes, because people have learned 14:45:17 when to go to the banking market, yes. 14:45:18

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	Page 220		Page 221
1	So for potential equity investors, 14:45:51	1	Q. Yeah, I think if I go through 14:46:54
2	you've listed those on page 36, and you've got a 14:45:51	2	here, I see that in every one of these categories, 14:46:57
3	a useful chart here. This is the chart between 14:45:54	3	there's at least several "Yeses." I think it it 14:47:00
4	paragraphs 120 and 121. And I take it here, as 14:46:00	4	depends, obviously, on the entity and there's 14:47:07
5	I understand this chart, the left-hand column, 14:46:06	5	different different interest at different 14:47:10
6	you're indicating various types of investors who are 14:46:08	6	levels, but there's someone available 14:47:13
7	interested in potentially investing equity in 14:46:13	7	A. Yes. 14:47:14
8	an offshore wind project? 14:46:17	8	Q that you can go to? Yes? 14:47:14
9	A. Correct. 14:46:19	9	Okay. And just to run through the 14:47:16
10	Q. And then you list the various 14:46:19	10	list, so you've got utilities as potential equity 14:47:18
11	stages, permitting development construction or 14:46:21	11	investors, and then you've got independent 14:47:22
12	operations. 14:46:24	12	A. No one gives you 10 million for 14:47:28
13	A. Yes. 14:46:25	13	the project. 14:47:29
14	Q. And the level of interest they 14:46:26	14	Q. You're not allowed little 14:47:31
15	would be most likely to have at those stages? 14:46:29	15	A. Sorry? 14:47:35
16	A. Yes. 14:46:32	16	Q. You're not allowed side comments. 14:47:35
17	Q. Then you've got some notes. And 14:46:32	17	A. Sorry. 14:47:37
18	then you've got whether or not they're interested in 14:46:35	18	Q. No, I'm just I'm just joking. 14:47:38
19	project financing. That's what PF means? 14:46:37	19	You're obviously allowed to elaborate on an answer. 14:47:39
20	A. Correct, yes. 14:46:41	20	So you've got utilities. You've got I assume IPP 14:47:44
21	Q. So I so I take it, if I'm 14:46:42	21	is Independent Power Producers? 14:47:48
22	reading this properly, there are investors available 14:46:43	22	A. Power producers, like Northland 14:47:49
23	to provide equity funding at every stage of 14:46:46	23	Power. 14:47:50
24	an offshore wind project? 14:46:50	24	Q. Northland Power, the Canadian 14:47:52
25	A. Potentially, yes. 14:46:53	25	company? 14:47:53
	Page 222		Page 223
1	A. Yeah, right. Or Boralex. 14:47:54	1	got are private equity firms. 14:48:57
2	Q. Boralex, another Canadian company? 14:47:59	2	A. Yes, like Deepwater that's doing 14:49:00
3	A. Just to give examples that would 14:48:03	3	the Rhode Island project, the Block Island project 14:49:02
4	be familiar to to the audience. 14:48:04	4	in Rhode Island. 14:49:05
5	Q. Yeah, I'm not sure they're 14:48:06	5	Q. Deepwater? 14:49:06
6	familiar to the Tribunal, but perhaps perhaps 14:48:07	6	A. Or Blackstone. They did a project 14:49:09
7	maybe just since we did you did use the names, 14:48:09	7	in Germany. 14:49:10
8	maybe you could explain what Northland Power is and 14:48:11		III CICIIII4IIV. 14.47.10
9	maybe you could explain what Normhand Fower is and 14.46.11	8	•
9		8 9	Q. Any others? 14:49:11
10	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16		•
	what Boralex is. 14:48:15	9	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12
10	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16	9	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16
10 11	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19	9 10 11	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19
10 11 12	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19	9 10 11 12	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16
10 11 12 13	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22	9 10 11 12 13	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20
10 11 12 13 14	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26	9 10 11 12 13 14	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23
10 11 12 13 14 15	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26 offshore wind farm in the Netherlands in 2013, 14:48:28	9 10 11 12 13 14 15	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23 lots of very small utilities. They tend to regroup, 14:49:28
10 11 12 13 14 15	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26 offshore wind farm in the Netherlands in 2013, 14:48:28 helped bring the project to financial close in '14. 14:48:32	9 10 11 12 13 14 15	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23 lots of very small utilities. They tend to regroup, 14:49:28 to to to invest into larger power generation 14:49:33
10 11 12 13 14 15 16	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26 offshore wind farm in the Netherlands in 2013, 14:48:28 helped bring the project to financial close in '14. 14:48:32 Boralex is another independent power 14:48:36	9 10 11 12 13 14 15 16	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23 lots of very small utilities. They tend to regroup, 14:49:28 to to to invest into larger power generation 14:49:33 projects, and they've done that a few times. 14:49:36
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10 11 12 13 14 15 16 17 18	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26 offshore wind farm in the Netherlands in 2013, 14:48:28 helped bring the project to financial close in '14. 14:48:32 Boralex is another independent power 14:48:36 producers in Canada doing quite a bit of renewables, 14:48:38 and they're sniffing around offshore wind. 14:48:43	9 10 11 12 13 14 15 16 17 18	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23 lots of very small utilities. They tend to regroup, 14:49:28 to to to invest into larger power generation 14:49:33 projects, and they've done that a few times. 14:49:36 An offshore wind in Germany, you have vehicles like 14:49:39 [Treeanen](French spoken) and things like that, 14:49:43
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10 11 12 13 14 15 16 17 18 19 20 21	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26 offshore wind farm in the Netherlands in 2013, 14:48:28 helped bring the project to financial close in '14. 14:48:32 Boralex is another independent power 14:48:36 producers in Canada doing quite a bit of renewables, 14:48:38 and they're sniffing around offshore wind. 14:48:43 Q. Okay. Any other independent 14:48:46 Canadian power producers that are interested in 14:48:48 offshore wind, to your knowledge? 14:48:50	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23 lots of very small utilities. They tend to regroup, 14:49:28 to to to invest into larger power generation 14:49:33 projects, and they've done that a few times. 14:49:36 An offshore wind in Germany, you have vehicles like 14:49:39 [Treeanen](French spoken) and things like that, 14:49:43 I suppose the in the U.S., you've got plenty of 14:49:48 local utilities. Should they want to invest in 14:49:50 power generation, they might conceivably see these 14:49:53 guys, but that' a more remote process. I mean, each 14:49:56 country has a different setup for its electricity 14:49:58
10 11 12 13 14 15 16 17 18 19 20 21 22 23	what Boralex is. 14:48:15 A. Yeah, sure. 14:48:16 Northland Power is a Canadian 14:48:17 independent power producer that was active mainly in 14:48:19 North American in gas-fired and renewable energy 14:48:22 power plants, and they came to invest in the Gemini 14:48:26 offshore wind farm in the Netherlands in 2013, 14:48:28 helped bring the project to financial close in '14. 14:48:32 Boralex is another independent power 14:48:36 producers in Canada doing quite a bit of renewables, 14:48:38 and they're sniffing around offshore wind. 14:48:43 Q. Okay. Any other independent 14:48:46 Canadian power producers that are interested in 14:48:48 offshore wind, to your knowledge? 14:48:50 A. There probably are, but no name 14:48:52	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Any others? 14:49:11 A. Not in that category, no. 14:49:12 Q. All right. And then you have the 14:49:14 municipal utility category. And what would that 14:49:16 typically be? 14:49:19 A. That's more specifically German 14:49:20 entity. The German power market is very fragmented, 14:49:23 lots of very small utilities. They tend to regroup, 14:49:28 to to to invest into larger power generation 14:49:33 projects, and they've done that a few times. 14:49:36 An offshore wind in Germany, you have vehicles like 14:49:39 [Treeanen](French spoken) and things like that, 14:49:43 I suppose the in the U.S., you've got plenty of 14:49:48 local utilities. Should they want to invest in 14:49:50 power generation, they might conceivably see these 14:49:53 guys, but that' a more remote process. I mean, each 14:49:56

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1	sector, some of them will start looking at offshore 14:50:05	1	jurisdiction, so 14:50:55
2	wind at some point or another. Obviously, the 14:50:07	2	A. Okay. Right. 14:50:56
3	Europeans more, because that's more European sector, 14:50:10	3	Q I just want to avoid acronyms. 14:50:56
4	but others elsewhere might think about it too. 14:50:12	4	A. So they have invested. 14:50:59
5	Q. Okay. And then you've got 14:50:16	5	I think they're probably more into the 14:51:00
6	Sovereign wealth funds, any examples of Sovereign 14:50:18	6	institutional investor category than Sovereign, but 14:51:02
7	wealth funds? 14:50:23	7	probably from a hybrid. They have invested in a UK 14:51:04
8	A. Well, has been investing in 14:50:23	8	wind farm. 14:51:08
9	offshore wind. 14:50:25	9	Q. They have. Which one is that? 14:51:08
10	Q. Sorry? 14:50:28	10	A. London Array. 14:51:10
11	A. Masdar. It's the Abu Dhabi 14:50:29	11	Q. Okay. And in terms of pension 14:51:13
12	it's their vehicle for sustainable energy these 14:50:30	12	funds and I appreciate they may get involved 14:51:16
13	days. M-A-S-D-A-R. 14:50:30	13	at at different stages, but do you see pension 14:51:18
14	Q. And they've invested in offshore 14:50:36	14	funds as I apologize, I skipped down a couple 14:51:21
15	wind? 14:50:38	15	there, but let's yeah, let's let's go with 14:51:27
16	A. They've invested in a project in 14:50:39	16	pension funds right now. 14:51:30
17	the UK, yes. 14:50:40	17	A. Yes, there 14:51:32
18	Q. Any other Sovereign wealth funds 14:50:41	18	Q. What were the pension funds you 14:51:33
19	in your 14:50:43	19	see there 14:51:34
20	A. I don't know if CDPQ counts as 14:50:43	20	A. Well, the first ones that came 14:51:35
21	Sovereign, but they're more 14:50:47	21	were in with the Danish funds. 14:51:37
22	Q. What's CDPQ? 14:50:48	22	Q. Uh-hmm. 14:51:38
23	A. Caisse de Dépôt in Québec. 14:50:50	23	A. Okay. The industry started over 14:51:38
24	Q. Okay. Just just only because 14:50:53	24	there, and the first big investor was Dong 14:51:39
25	our Tribunal members are not not from the 14:50:54	25	International Company of Denmark, and they sold 14:51:42
	Page 226		Page 227
1	_	1	•
1 2	minority states and Danish pension funds found 14:51:47	1 2	being willing to take construction risk? 14:52:49
	minority states and Danish pension funds found 14:51:47		•
2	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50	2	being willing to take construction risk? 14:52:49 A. Construction risk, well, you can 14:52:52
2	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent	2 3	being willing to take construction risk? 14:52:49 A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53
2 3 4	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're	2 3 4	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55
2 3 4 5	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European	2 3 4 5	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55
2 3 4 5 6	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed	2 3 4 5 6	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56
2 3 4 5 6 7	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a	2 3 4 5 6 7	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56
2 3 4 5 6 7 8	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14	2 3 4 5 6 7 8	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03
2 3 4 5 6 7 8 9 10	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14 operational projects, that's what a lot of these 14:52:18	2 3 4 5 6 7 8	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05
2 3 4 5 6 7 8 9 10 11	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14 operational projects, that's what a lot of these 14:52:18 investors have come into this market buying minority 14:52:20	2 3 4 5 6 7 8 9 10 11	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08
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2 3 4 5 6 7 8 9 10 11 12 13 14	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14 operational projects, that's what a lot of these 14:52:18 investors have come into this market buying minority 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:24 Q. Right. 14:52:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:16
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14 operational projects, that's what a lot of these 14:52:18 investors have come into this market buying minority 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:25 A for operational stakes for the 14:52:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:10 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:16 construction risk. So it's it's not an easy step 14:53:19
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14 operational projects, that's what a lot of these 14:52:18 investors have come into this market buying minority 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:24 Q. Right. 14:52:25 A for operational stakes for the 14:52:25 full wrap of the project by Dong. Dong is doing the 14:52:27	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:19 to take, but you're beginning the industry's 14:53:22
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment 14:52:13 projects without construction risks, so already 14:52:14 operational projects, that's what a lot of these 14:52:18 investors have come into this market buying minority 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:25 A for operational stakes for the 14:52:25 full wrap of the project by Dong. Dong is doing the 14:52:27 operations, has built it already, and in in the 14:52:30	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:19 to take, but you're beginning the industry's 14:53:22 becoming mature enough in Europe that people are 14:53:24
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	minority states and Danish pension funds found 14:51:47 attractive to have a quasi Sovereign risk at 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment projects without construction risks, so already operational projects, that's what a lot of these investors have come into this market buying minority 14:52:18 investors have come into this market leader in 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:25 A for operational stakes for the 14:52:25 full wrap of the project by Dong. Dong is doing the 14:52:30 jurisdictions where you have any price risk they 14:52:32 give you PPA as well. That's that's the wrap 14:52:35 package.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:19 to take, but you're beginning the industry's 14:53:22 becoming mature enough in Europe that people are 14:53:24 beginning to think about taking that risk. 14:53:29 the list where I left off after Sovereign wealth
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	minority states and Danish pension funds found attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment projects without construction risks, so already operational projects, that's what a lot of these investors have come into this market buying minority 14:52:18 investors have come into this market leader in 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:25 A for operational stakes for the 14:52:25 full wrap of the project by Dong. Dong is doing the 14:52:30 jurisdictions where you have any price risk they 14:52:32 give you PPA as well. That's that's the wrap package. 14:52:37 Some are beginning to look at taking 14:52:40	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:19 to take, but you're beginning the industry's 14:53:22 becoming mature enough in Europe that people are 14:53:24 beginning to think about taking that risk. 14:53:29 the list where I left off after Sovereign wealth funds, infrastructure funds, who do you see active
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	minority states and Danish pension funds found attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment projects without construction risks, so already operational projects, that's what a lot of these investors have come into this market buying minority 14:52:18 investors have come into this market leader in offshore wind 14:52:24 Q. Right. 14:52:25 A for operational stakes for the 14:52:25 full wrap of the project by Dong. Dong is doing the 14:52:30 jurisdictions where you have any price risk they jurisdictions where you have any price risk they 14:52:32 give you PPA as well. That's that's the wrap package. 14:52:37 Some are beginning to look at taking 14:52:40 construction risk. Pension funds could not take 14:52:42	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:55 Q. Yeah. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're — they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:16 construction risk. So it's — it's not an easy step 14:53:19 to take, but you're beginning — the industry's 14:53:22 becoming mature enough in Europe that people are 14:53:24 beginning to think about taking that risk. 14:53:29 the list where I left off after Sovereign wealth funds, infrastructure funds, who do you see active in that area?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	minority states and Danish pension funds found attractive to have a quasi Sovereign risk at 14:51:50 7 percent or 8 percent instead of the zero percent they're currently getting or negative rates they're getting on on Sovereign bonds. Other European pension funds, Germans and others, have followed suit in Europe, so it's it's a growing it's a growing sector. Newcomers typically take investment projects without construction risks, so already operational projects, that's what a lot of these investors have come into this market buying minority 14:52:18 investors have come into this market leader in 14:52:20 stakes from Dong, which is the market leader in 14:52:23 offshore wind 14:52:25 A for operational stakes for the 14:52:25 full wrap of the project by Dong. Dong is doing the 14:52:30 jurisdictions where you have any price risk they 14:52:32 give you PPA as well. That's that's the wrap package. 14:52:37 Some are beginning to look at taking 14:52:40	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	being willing to take construction risk? A. Construction risk, well, you can 14:52:52 see the list there. 14:52:53 Q. Right. 14:52:55 A. Utilities will take it obviously. 14:52:56 A. The independent power producers 14:52:56 are willing to take it, people like Northland Power. 14:52:58 The contractors are willing to take it, obviously. 14:53:01 They're they're a special case. They're 14:53:03 investing equity in order to get the construction 14:53:05 contracts, but they're willing to take the risk. 14:53:08 Then the others, the financial 14:53:11 investors usually start without construction risk 14:53:12 and now some of them are slowly graduating to 14:53:19 to take, but you're beginning the industry's 14:53:22 becoming mature enough in Europe that people are 14:53:24 beginning to think about taking that risk. 14:53:29 the list where I left off after Sovereign wealth funds, infrastructure funds, who do you see active

	Page 228		Page 229
1	that are dedicated to investing in infrastructure. 14:53:46	1	So some of it is opportunistic. Some 14:54:59
2	Some do all infrastructure. Some do energy. Some 14:53:49	2	of it is to build up green credentials or for 14:55:02
3	do only renewable energy. Some do specific 14:53:52	3	corporate policy reasons. It's usually it's seen 14:55:05
4	countries. Some of them are able to do offshore 14:53:55	4	as a financial investor. I mean, they're passive 14:55:09
5	wind. Not all, some. 14:53:57	5	investors 14:55:12
6	Q. Okay. 14:53:59	6	Q. Okay. 14:55:12
7	A. Very wide universe. How many have 14:54:00	7	A and they've only taken 14:55:14
8	actually done it, it's still probably a handful 14:54:03	8	operational assets to date. 14:55:16
9	have actually done transactions, but yeah, a lot of 14:54:07	9	Q. And then you've got contractors 14:55:17
10	them are thinking about it right now in Europe. 14:54:10	10	who obviously have a motivation typically in gaining 14:55:19
11	Q. Okay. And you've got a general 14:54:12	11	a project. Does that cover suppliers as well, 14:55:21
12	category called "Corporations" in your list. What 14:54:16	12	contractors 14:55:25
13	does that cover? 14:54:20	13	A. That's suppliers. I mean, it's 14:55:26
14	A. Well, there's a small number of 14:54:21	14	the turbine suppliers, the marine construction 14:55:27
15	companies not from the energy sector who have 14:54:24	15	companies. 14:55:29
16	decided to invest in offshore wind. LEGO, the toy 14:54:26	16	Q. Right. 14:55:31
17	manufacturer, for instance, has bought minority 14:54:32	17	A. Sometimes it's part of the 14:55:32
18	stakes in the Dong project. 14:54:36	18	selection process of the contractors. They will 14:55:33
19	The other one that comes to mind is 14:54:38	19	select you if you put 10 percent if you provide 14:55:35
20	Colruyt, which is a retail Belgium retail group. 14:54:39	20	10 percent of the equity of the project. So it is 14:55:37
21	They had a policy to be to have their own 14:54:44	21	always minority stakes, but it's for some 14:55:39
22	renewable energy sources and when one of the 14:54:48	22	investors, it's a valuable contribution to the 14:55:42
23	projects in Belgium went bankrupt, they took it over 14:54:50	23	business plan, so it's it's something that does 14:55:45
24	at a very low price, which is what retailers like to 14:54:53	24	happen. 14:55:49
25	do, so and they've become a force in the sector? 14:54:57	25	You have on Cape Wind, Siemens had 14:55:50
	Page 230		Page 231
1	_	1	•
1 2	publicly said that they would be willing to take 14:55:54	1 2	Page 231 both because it's 14:57:23 A. Yes, I 14:57:24
	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56		both because it's 14:57:23 A. Yes, I 14:57:24
2	publicly said that they would be willing to take 14:55:54	2	both because it's 14:57:23
2	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02	2 3	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24
2 3 4	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02	2 3 4	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27
2 3 4 5	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05	2 3 4 5	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26
2 3 4 5 6	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08	2 3 4 5 6	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27
2 3 4 5 6 7	publicly said that they would be willing to take a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08	2 3 4 5 6 7 8	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? 14:57:32
2 3 4 5 6 7 8	publicly said that they would be willing to take a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10	2 3 4 5 6 7 8 9	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? 14:57:32 Q. Yeah. 14:57:34
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2 3 4 5 6 7 8 9	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15	2 3 4 5 6 7 8 9 10 11	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? 14:57:32 Q. Yeah. 14:57:34 A. That's what it says, 14:57:35 Clément Weber, yeah. 14:57:39
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2 3 4 5 6 7 8 9 10 11 12 13	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15 Q. Okay. And and they're willing 14:56:18 to get involved in the development phase, 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23	2 3 4 5 6 7 8 9 10 11 12 13 14	both because it's 14:57:23 A. Yes, I 14:57:24 Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? 14:57:32 Q. Yeah. 14:57:34 A. That's what it says, 14:57:35 Clément Weber, yeah. 14:57:39 Q. Anyway, that's 14:57:39 A. He wrote most of it. 14:57:39
2 3 4 5 6 7 8 9 10 11 12 13 14 15	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15 Q. Okay. And and they're willing 14:56:18 to get involved in the development phase, 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:25	2 3 4 5 6 7 8 9 10 11 12 13 14	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? A. Yes. 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? 14:57:32 Q. Yeah. A. That's what it says, 14:57:35 Clément Weber, yeah. Q. Anyway, that's A. He wrote most of it. 14:57:39 Q. Okay. 14:57:39
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	publicly said that they would be willing to take a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15 Q. Okay. And and they're willing 14:56:18 to get involved in the development phase, 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:27	2 3 4 5 6 7 8 9 10 11 12 13 14 15	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? A. Yes. 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? 14:57:32 Q. Yeah. A. That's what it says, 14:57:35 Clément Weber, yeah. Q. Anyway, that's A. He wrote most of it. 14:57:39 Q. Okay. 14:57:39 A. Sorry. I had said it says the 14:57:39
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15 Q. Okay. And and they're willing 14:56:18 to get involved in the development phase, 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:27 risk. 14:56:30	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. A. That's what it says, A. That's what it says, Q. Anyway, that's A. He wrote most of it. Q. Okay. A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15 Q. Okay. And and they're willing 14:56:18 to get involved in the development phase, 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:27 risk. 14:56:30 Q. Uh-hmm. 14:56:30 A. Van Oord has done it, but it is 14:56:31	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. A. That's what it says, 14:57:34 A. That's what it says, Q. Anyway, that's A. He wrote most of it. Q. Okay. A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40 mine. 14:57:45 Q. Right. But you wrote it too? 14:57:45
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	publicly said that they would be willing to take 14:55:54 a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:15 Q. Okay. And and they're willing 14:56:18 to get involved in the development phase, 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:27 risk. 14:56:30 Q. Uh-hmm. 14:56:31 something they'd rather not do usually. 14:56:34	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. A. That's what it says, A. That's what it says, Q. Anyway, that's A. He wrote most of it. Q. Okay. A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40 mine. 14:57:45 Q. Right. But you wrote it too? 14:57:45 A. Yes. 14:57:47
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	publicly said that they would be willing to take a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a stake in the project as part of the supply in the a supply in the a stake in the supply in the a stake in the supply in the a stake in the supply in the supp	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? 14:57:28 A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. 14:57:34 A. That's what it says, 14:57:35 Clément Weber, yeah. Q. Anyway, that's 14:57:39 A. He wrote most of it. Q. Okay. 14:57:39 A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40 mine. 14:57:45 Q. Right. But you wrote it too? 14:57:45 A. Yes. Q. So this is the time 14:57:49
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	publicly said that they would be willing to take a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:18 to get involved in the development phase, I understand, in some cases? 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:25 the construction risk; they don't take development 14:56:30 Q. Uh-hmm. 14:56:30 A. Van Oord has done it, but it is 14:56:31 something they'd rather not do usually. 14:56:35 And I I just want to take you to 14:56:48	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? A. Yes. 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. A. That's what it says, 14:57:34 A. That's what it says, 14:57:35 Clément Weber, yeah. Q. Anyway, that's A. He wrote most of it. Q. Okay. A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40 mine. 14:57:45 Q. Right. But you wrote it too? 14:57:45 A. Yes. Q. So this is this is the time 14:57:49 period is February 2013. And if I could turn to 14:57:50
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	publicly said that they would be willing to take a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:18 to get involved in the development phase, 14:56:18 I understand, in some cases? 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:25 the construction risk; they don't take development 14:56:30 Q. Uh-hmm. 14:56:30 A. Van Oord has done it, but it is 14:56:31 something they'd rather not do usually. 14:56:35 And I I just want to take you to 14:56:48 one of the documents in this little documents book. 14:56:50	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? A. Yes. 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. A. That's what it says, 14:57:34 A. That's what it says, 14:57:35 Clément Weber, yeah. Q. Anyway, that's A. He wrote most of it. Q. Okay. A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40 mine. 14:57:45 Q. Right. But you wrote it too? 14:57:49 period is February 2013. And if I could turn to 14:57:50 page 9, and I just want to confirm these statements. 14:57:55
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	publicly said that they would be willing to take a stake in the project as part of the supply in the 14:55:56 it hasn't happened, but they they were ready 14:55:59 to do it and they've done it on a number of 14:56:02 projects. So Siemens is a regular investor in 14:56:05 offshore wind projects, for instance. Van Oord, the 14:56:08 marine contractor, same thing. 14:56:08 Q. Sorry. I didn't catch the last 14:56:10 A. Van Oord it is marine 14:56:12 construction company has done the same as well. 14:56:18 to get involved in the development phase, I understand, in some cases? 14:56:20 A. Rarely. Siemens doesn't. They 14:56:23 only come in at financial close. So they only take 14:56:25 the construction risk; they don't take development 14:56:30 Q. Uh-hmm. 14:56:30 A. Van Oord has done it, but it is 14:56:31 something they'd rather not do usually. 14:56:35 And I I just want to take you to 14:56:48	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	both because it's A. Yes, I Q on your website and you you 14:57:24 wrote this? A. Yes. 14:57:26 A. Yes. 14:57:26 Q. Okay. Do we have the right the 14:57:27 right document, just to make sure? A. "Financial offshore wind - Past 14:57:30 current and future trends"? Q. Yeah. A. That's what it says, 14:57:34 A. That's what it says, 14:57:35 Clément Weber, yeah. Q. Anyway, that's A. He wrote most of it. Q. Okay. A. Sorry. I had said it says the 14:57:39 author is Clément Weber, which is a colleague of 14:57:40 mine. 14:57:45 Q. Right. But you wrote it too? 14:57:45 A. Yes. Q. So this is this is the time 14:57:49 period is February 2013. And if I could turn to 14:57:50

	Page 232		Page 233
1	"The bank market is broader 14:58:08	1	offshore wind financing? 14:59:08
2	and broader. More than 30 14:58:11	2	A. Canadian banks have come into 14:59:09
3	banks have taken offshore wind 14:58:13	3	deals where Northland Power was the investor. 14:59:10
4	risk today. More than 20 14:58:14	4	Q. Okay. 14:59:14
5	banks have construction 14:58:16	5	A. On the Gemini transaction that 14:59:14
6	exposure." 14:58:18	6	I mentioned previously in the Netherlands 14:59:16
7	And then you describe the names of 14:58:20	7	Q. Right. 14:59:18
8	these banks, experienced banks and then many banks 14:58:23	8	A for relationship reasons, they 14:59:18
9	involved in recent deals in the past two years, and 14:58:28	9	came in and lend and lend to that project in the 14:59:19
10	you say: 14:58:31	10	Netherlands. Three banks, you had CIBC, BMO and 14:59:23
11	"More have expressed their 14:58:32	11	EDC, Expert Development, in Canada, and on Nordsee 14:59:29
12	appetite." [As read] 14:58:34	12	1, which is the second project where Northland Power 14:59:30
13	A. Yes. 14:58:37	13	invested in Germany. This case closed in 2015. You 14:59:35
14	Q. And and I take it that those 14:58:38	14	had National Bank NBC NBC 14:59:38
15	those were accurate statements by you in February of 14:58:38	15	Q. NBF? 14:59:45
16	2013? 14:58:42	16	A. NBF, EBC and BMO again, as far as 14:59:47
17	A. That's right, to upon my honour 14:58:43	17	I remember. 14:59:51
18	and conscience, yes. 14:58:46	18	Q. All right. 14:59:52
19	Q. Okay. 14:58:48	19	A. But they only they only they 14:59:52
20	(LAUGHTER) 14:58:48	20	came specifically for the relationship reason 14:59:53
21	And and just wondering about the 14:58:50	21	and 14:59:55
22	the banking market, because I think you mentioned 14:58:51	22	Q. Okay. And then you list on the 14:59:58
23	that you had seen some Canadian bank involvement. 14:58:55	23	next page just in going through your list of 15:00:01
24	Have you have you seen, in addition to these 14:58:59	24	others involved, you talk about several active 15:00:07
25	banks here, some Canadian bank involvement in in 14:59:01	25	public active financial institutions. So you're 15:00:09
1	Page 234 describing other financial institutions that are 15:00:13	1	Page 235 A. Yes, for Euro lending in the 15:01:24
2	involved in debt financing? 15:00:19	2	underlying rate. If you look at the underlying cost 15:01:25
3	A. Yes. 15:00:20	3	of money in Euros and dollars, there's a substantial 15:01:28
4	Q. Okay. 15:00:21	4	difference, like there is today. So the margins 15:01:32
5	A. EIB could not do a deal in 15:00:21	5	would be what they would be. So that's true for 15:01:36
6	Ontario. EKF could if there's Danish could. So 15:00:23	6	Euro lending. 15:01:39
7	Siemens turbine would qualify. Euler Hermes 15:00:25	7	It's not true for a pound sterling 15:01:40
8	linked to German content, probably possible to find 15:00:29	8	lending and it's would need to be checked for 15:01:43
9	for an offshore wind project. KFW, no, because 15:00:34	9	Canadian dollars or US dollars. 15:01:46
10	that's specifically German. GIB, no, because that's 15:00:38	10	Q. Okay. 15:01:48
11	specifically for UK projects. 15:00:42	11	A. That's the only proviso to that 15:01:49
12 13	Q. Okay. 15:00:44	12 13	statement. 15:01:51
13	A. So, yes, they're amongst the 15:00:44	14	Q. Okay. And I'm more interested in 15:01:52
15	sources that could be considered or could have been 15:00:45	15	where the trends are going, and I'll I'll get to 15:01:53
16	considered for a project in Ontario. 15:00:47 Q. All right. And if we go down to 15:00:50	16	that in another document. 15:01:56
17	the next page, page 11, you talk about the bullet 15:00:51	17	My my understanding is that as we 15:02:00 moved away from the financial and crisis and away 15:02:03
18	that's on the right-hand side, you talk about 15:01:04	18	from, say, 2010, 2011, 2012 when they were 15:02:07
19	there and this is this is, again, the time 15:01:06	19	certain issues around problems around some of the 15:02:14
20	period of February 2013. You say: 15:01:07	20	German offshore projects, that after that you 15:02:17
21		21	
22		22	started to get – and as interest rates improved, 15:02:20 you started to get better numbers in terms of 15:02:25
23	overall cost of plus 15-year 15:01:15 debt of more or less." 15:01:20	23	lending numbers for debt. 15:02:29
24	Again, is that an accurate statement 15:01:22	24	A. Right. 15:02:30
25	of of the state at the time? 15:01:23	25	Q. And I appreciate you giving me 15:02:35
23			

	Page 236		Page 237
1	short answers to my long-winded question. 15:02:37	1	A. It's a fairly narrow range in 15:03:56
2	And then you set out you say on the 15:02:41	2	practice there. 15:03:58
3	left-hand side here, "Consensus on 70 percent 15:02:45	3	Q. But I take it, as you said before, 15:03:58
4	leverage." 15:02:48	4	that this was an accurate statement you were making, 15:04:01
5	And you describe, again I'm 15:02:50	5	this document, in February of 2013, that the current 15:04:03
6	interested in where the trends going down here, that 15:02:52	6	market was 70/30? 15:04:09
7	you get a trend toward 2006, 2007, the leverage 15:02:55	7	A. It was possible to obtain 70/30, 15:04:11
8	is 60 to 40, and then you talk about the current 15:03:02	8	yes. 15:04:13
9	market at this time in 2013 being 70/30 leverage? 15:03:05	9	Q. And and your assessment in this 15:04:14
10	A. Well, it's been wobbly. 15:03:09	10	presentation that you provided to whoever the 15:04:16
11	I mean, most transactions have been 15:03:12	11	audience was, which is anyone who looks at your 15:04:18
12	between 60 and 70 percent leverage over time, and if 15:03:13	12	website, is that the current market at that time was 15:04:11
13	you remember that graph that I showed in my 15:03:17	13	70/30. 15:04:23
14	presentation before lunch, we've managed to reach 15:03:19	14	A. For deals that could be closed by 15:04:28
15	70/30 in most of our transactions and the rest of 15:03:22	15	us, yes. This is a marketing presentation. 15:04:30
16	the market was closer to 60. So which one in the 15:03:27	16	Q. Now just to turn to the next 15:04:32
17	market is an open question, but it's been in that 15:03:29	17	document at Tab 3, which is C-1915. 15:04:48
18	range. You get 70/30 for the better deals and you 15:03:32	18	A. Maybe if I can add a word of 15:04:54
19	get a little bit less for other the deals. And for 15:03:38	19	context about all these presentations. 15:04:55
20	some deals, it's not the priority of the sponsors. 15:03:41	20	I mean, the interesting thing between 15:04:57
21	I mean, sometimes they prefer to fight on something 15:03:44	21	2010 and 2013 is that basically everybody in the 15:04:59
22	else because either the debt amount is constrained 15:03:46	22	market was saying it's impossible to finance 15:05:02
23	by something else or they don't need it or so, 15:03:49	23	offshore wind and yet all these reports about 15:05:04
24	I mean, each deal going to be very specific. 15:03:51	24	200 billion of investment needed and 10 billion 15:05:07
25	Q. Okay. 15:03:55	25	available and there's this huge gap on who can plug 15:05:10
	Q. Okty. 15.05.55		available and there's this hage gap on who can plag 13.03.10
	Page 238		Page 239
1	Page 238 it in even the bankers were making presentation. 15:05:13	1	Page 239 don't like, and that's what the utilities tried to 15:06:29
1 2		1 2	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31
	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually closed a deal the week before was saying a 15:05:19		don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33
2	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually 15:05:16 closed a deal the week before was saying a 15:05:19 600 million Euro deal, said there's not more than 15:05:20	2 3 4	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33 the banks, saying, "You don't want to take 15:06:36
2 3 4 5	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually 15:05:16 closed a deal the week before was saying a 15:05:19 600 million Euro deal, said there's not more than 15:05:20 400 million in the market this year. 15:05:24	2 3 4 5	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33 the banks, saying, "You don't want to take 15:06:36 construction risks." And the bank said, "You don't 15:06:39
2 3 4 5	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually 15:05:16 closed a deal the week before was saying a 15:05:19 600 million Euro deal, said there's not more than 15:05:20 400 million in the market this year. 15:05:24 So, you know, banks and utilities, 15:05:26	2 3 4 5 6	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33 the banks, saying, "You don't want to take 15:06:36 construction risks." And the bank said, "You don't 15:06:39 understand how we work. You're asking us to take 15:06:40
2 3 4 5 6 7	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually 15:05:16 closed a deal the week before was saying a 15:05:19 600 million Euro deal, said there's not more than 15:05:20 400 million in the market this year. 15:05:24 So, you know, banks and utilities, 15:05:26 their business model is whining, so they like to 15:05:31	2 3 4 5 6 7	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33 the banks, saying, "You don't want to take 15:06:36 construction risks." And the bank said, "You don't 15:06:39 understand how we work. You're asking us to take 15:06:40 unreasonable risks." So that was the context of 11 15:06:43
2 3 4 5 6 7 8	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually 15:05:16 closed a deal the week before was saying a 15:05:19 600 million Euro deal, said there's not more than 15:05:20 400 million in the market this year. 15:05:24 So, you know, banks and utilities, 15:05:26 their business model is whining, so they like to 15:05:31 complain there is not enough money, so give us 15:05:35	2 3 4 5 6 7 8	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33 the banks, saying, "You don't want to take 15:06:36 construction risks." And the bank said, "You don't 15:06:39 understand how we work. You're asking us to take 15:06:40 unreasonable risks." So that was the context of 11 15:06:43 and 12, yes, it was not easy. 15:06:45
2 3 4 5 6 7 8	it in even the bankers were making presentation. 15:05:13 And I remember a case, a bank that had actually 15:05:16 closed a deal the week before was saying a 15:05:19 600 million Euro deal, said there's not more than 15:05:20 400 million in the market this year. 15:05:24 So, you know, banks and utilities, 15:05:26 their business model is whining, so they like to 15:05:31 complain there is not enough money, so give us 15:05:35 better support, better FIT terms. So I saw myself 15:05:37	2 3 4 5 6 7 8	don't like, and that's what the utilities tried to 15:06:29 do. So the market was actually saying, "We can't do 15:06:31 these deals." The utilities were furious against 15:06:33 the banks, saying, "You don't want to take 15:06:36 construction risks." And the bank said, "You don't 15:06:39 understand how we work. You're asking us to take 15:06:40 unreasonable risks." So that was the context of 11 15:06:43
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		1	
	Page 240		Page 241
1	PRESIDENT: We are at Tab 3. 15:07:40	1	A. I'm checking the previous one to 15:08:33
2	MR. TERRY: Yes, Tab 3. 15:07:42	2	just see how different it is by itself. 15:08:35
3	BY MR. TERRY: 15:07:44	3	Q. I think the only difference is 15:08:39
4	Q. And I appreciate, sir, you've 15:07:44	4	6 percent versus 5.5 percent, more or less. 15:08:41
5	given me the context that, you know, there's is 15:07:46	5	A. I'm just looking at the date. 15:08:44
6	a marketing side to this, but but you're here, 15:07:47	6	Okay, they are actually similar in date, so 15:08:50
7	obviously, to and you're providing us with 15:07:52	7	Q. Yeah, you'll see there's a slight 15:08:52
8	evidence here and and we're relying on what you 15:07:55	8	difference in date. Where later on in 2013, we've 15:08:54
9	said, so I'm going to be asking you just to confirm, 15:07:57	9	moved from February 2013 to 15:08:56
10	as I did before, that this is an accurate statement 15:07:59	10	A. Well, actually, the second one is 15:09:00
11	of what you said at the time. 15:08:01	11	more is older. It's September and the other one 15:09:01
12	A. Absolutely. 15:08:03	12	that you mentioned before is October, but a few 15:09:04
13	Q. So, again, in terms of what I read 15:08:05	13	days so 15:09:09
14	in this page, and this is now September of 2013, you 15:08:08	14	PRESIDENT: It's the European way of 15:09:15
15	say: 15:08:14	15	putting dates. 15:09:16
16	"Debt is not that expensive." 15:08:15	16	THE WITNESS: Maybe my colleagues 15:09:23
17	And you say: 15:08:18	17	wanted to have a personal touch. 15:09:24
18	"Recent deals have seen 15:08:19	18	Yes, so one we say 5.5 or less, the 15:09:26
19	overall cost of greater than 15:08:21	19	other we say 6 or less. That would be the range for 15:09:29
20	15-year debt at 5.5 percent or 15:08:22	20	Euro deals at that time. They were having there 15:09:32
21	less." [As read] 15:08:26	21	were no deals closed at that time. And the only 15:09:35
22	So is it fair to say, first of all, 15:08:27	22	deal closed in 2013 was Butendiek in January of that 15:09:38
23	that that's an accurate statement that you're 15:08:29	23	year, so 15:09:41
24	making? Do you have do you have the document, 15:08:32	24	BY MR. TERRY 15:09:43
25	sir? 15:08:33	25	Q. And then we see at the bottom of 15:09:44
	Page 242		Page 243
1	Page 242 this the the statement that offshore wind is 15:09:46	1	
1 2	this the the statement that offshore wind is 15:09:46	1 2	you back to your witness statement, please, 15:10:54
	•		you back to your witness statement, please, 15:10:54
2	this the the statement that offshore wind is 15:09:46 un-ambiguously un-ambiguously strategic to many 15:09:50	2	you back to your witness statement, please, 15:10:54 paragraph 66. 15:10:57
2	this the the statement that offshore wind is 15:09:46 un-ambiguously un-ambiguously strategic to many 15:09:50 banks today. And I assume that reflects the fact as 15:09:53	2 3	you back to your witness statement, please, 15:10:54 paragraph 66. 15:10:57 And I just want to focus here on the 15:11:07
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1	2013 presentations. 15:12:05	1	experienced in offshore wind. 15:13:09
2	Q. Pardon me? 15:12:06	2	A. Yes. 15:13:11
3	A. You probably will not find that 15:12:06	3	Q. And Sgurr would be an example of 15:13:11
4	reference to 25 years in any documents from 2012, 15:12:07	4	one of the very best you could get? 15:13:15
5	2012, or 2013, because at that time, it was it 15:12:11	5	A. Sgurr or Mott. 15:13:18
6	was more like 20 years was the standard. 15:12:13	6	Q. And at paragraph 87, you talk 15:13:22
7	Q. Right, but 2014 you would find 15:12:17	7	about the construction phase, and I just want to 15:13:36
8	25 years? 15:12:21	8	confirm here. In the third line there, you talk 15:13:39
9	A. Somewhere between then and then, 15:12:22	9	about the construction risk, construction costs and 15:13:40
10	yes. 15:12:24	10	you say that's that amount's going to be 15:13:48
11	Q. Okay. And the if you could 15:12:25	11	site-specific. And I take it by that, you means 15:13:51
12	turn to paragraph 117. 15:12:30	12	that it's going to depend on a bunch of factors that 15:13:57
13	And the point I want to pick up here, 15:12:42	13	relate to a very specific site where the wind 15:13:59
14	and I think you've talked about it elsewhere, but is 15:12:43	14	turbine project is proposed to be constructed? 15:14:02
15	about the importance of having the right project 15:12:47	15	A. Well, I mean, development costs 15:14:06
16	team. You often emphasise that in your 15:12:49	16	are going to be linked to your regulatory 15:14:08
17	presentations; correct? 15:12:52	17	environment, how many different studies you need to 15:14:10
18	A. Yes. 15:12:53	18	do for how long, things like that. 15:14:14
19	Q. And so you want to make sure you 15:12:54	19	It's going to be linked to the nature 15:14:16
20 21	get a financial advisor experienced in offshore wind 15:12:56	20	of the seabed. Do you have sand? Do you have 15:14:17
22	and you don't need need to tell you who that 15:12:59	21 22	rocks? Do you have so you need to invest in two 15:14:22
23	might be, but that's an important thing 15:13:02	23	different kinds of investigations of what's down 15:14:26
24	A. Yes. 15:13:05 Q on a project team. 15:13:05	24	there. And there may be other requirements linked 15:14:27 to other occupational hazards at sea. If you need 15:14:30
25	Q on a project team. 15:13:05 And you want to get technical advisors 15:13:06	25	to other occupational nazards at sea. If you need 15:14:30 to negotiate with a fisherman for years, if you need 15:14:34
23	And you want to get technical advisors 13.13.00		to negotiate with a fisherman for years, if you need 13.14.34
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1		1	
1 2	to negotiate with the military, if you need to 15:14:39	1 2	transactions. And you say that the cost of equity 15:16:22
2	to negotiate with the military, if you need to 15:14:39 discuss it with whoever's in charge of the shipping 15:14:41	2	transactions. And you say that the cost of equity 15:16:22 has been slowly declining from 10 to 11 percent in 15:16:27
2	to negotiate with the military, if you need to 15:14:39 discuss it with whoever's in charge of the shipping 15:14:41 lanes, if you've got another country nearby, all of 15:14:44	2 3	transactions. And you say that the cost of equity 15:16:22 has been slowly declining from 10 to 11 percent in 15:16:27 2011, 2012, to 9 to 10 percent today for un-levered 15:16:32
2 3 4	to negotiate with the military, if you need to 15:14:39 discuss it with whoever's in charge of the shipping 15:14:41 lanes, if you've got another country nearby, all of 15:14:44 these things have costs which are, yeah, 15:14:47 site-specific. 15:14:49 Q. And and other factors would be, 15:14:51	2 3 4	transactions. And you say that the cost of equity 15:16:22 has been slowly declining from 10 to 11 percent in 15:16:27 2011, 2012, to 9 to 10 percent today for un-levered 15:16:32 transactions; correct? 15:16:38
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	to negotiate with the military, if you need to discuss it with whoever's in charge of the shipping 15:14:41 lanes, if you've got another country nearby, all of 15:14:44 these things have costs which are, yeah, 15:14:47 site-specific. 15:14:49 Q. And and other factors would be, 15:14:51 for example, the water depth that you're putting the 15:14:53 turbines in? 15:14:59 A. It's going to have an impact on 15:15:01 the cost of the project, probably not so much on the 15:15:03 cost of the development work. 15:15:05 Q. Right. And the focusing on the 15:15:07 cost of the project, the distance from the shore 15:15:11 will have a focus on the it will have a it 15:15:13 will be a factor in the cost of the project? 15:15:17 A. Cost of the project more than the 15:15:20 development cost, again, yeah. 15:15:30 the issue of the cost of equity and just confirm 15:15:34 a couple of things that you said about this in your 15:15:38 witness statement. 15:15:40	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	transactions. And you say that the cost of equity 15:16:22 has been slowly declining from 10 to 11 percent in 15:16:27 2011, 2012, to 9 to 10 percent today for un-levered 15:16:32 transactions; correct? 15:16:38 A. Yes. 15:16:40 Q. In Europe, I should say. 15:16:40 And then you say: 15:16:42 "It's also been declined from 15:16:43 13 and 15 percent from 12 to 15:16:46 14 percent for levered 15:16:49 transactions."? 15:16:51 A. That's what I wrote, yes. 15:16:52 Q. And then if we turn to 15:17:01 paragraph 25, the next paragraph, you talk about the 15:17:02 operational project. And you talk about three types 15:17:06 of risks. Operational risk, what would be 15:17:10 an example of operational risk? 15:17:23 turbines and running the project, maintaining and 15:17:29 the foundations an the electrical equipment, making 15:17:31
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	to negotiate with the military, if you need to discuss it with whoever's in charge of the shipping 15:14:41 lanes, if you've got another country nearby, all of 15:14:44 these things have costs which are, yeah, 15:14:47 site-specific. 15:14:49 Q. And and other factors would be, 15:14:51 for example, the water depth that you're putting the 15:14:53 turbines in? 15:14:59 A. It's going to have an impact on 15:15:01 the cost of the project, probably not so much on the 15:15:03 cost of the development work. 15:15:05 Q. Right. And the focusing on the 15:15:07 cost of the project, the distance from the shore 15:15:11 will have a focus on the it will have a it 15:15:13 will be a factor in the cost of the project? 15:15:17 A. Cost of the project more than the 15:15:20 development cost, again, yeah. 15:15:21 Q. And I just want to turn briefly to 15:15:34 a couple of things that you said about this in your 15:15:38 witness statement. 15:15:40 At paragraph 24, in the you're 15:15:43	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	transactions. And you say that the cost of equity 15:16:22 has been slowly declining from 10 to 11 percent in 15:16:27 2011, 2012, to 9 to 10 percent today for un-levered 15:16:32 transactions; correct? 15:16:38 A. Yes. 15:16:40 Q. In Europe, I should say. 15:16:40 And then you say: 15:16:42 "It's also been declined from 15:16:43 13 and 15 percent from 12 to 15:16:46 14 percent for levered 15:16:49 transactions."? 15:16:51 A. That's what I wrote, yes. 15:16:52 Q. And then if we turn to 15:17:01 paragraph 25, the next paragraph, you talk about the 15:17:02 operational project. And you talk about three types 15:17:06 of risks. Operational risk, what would be 15:17:10 an example of operational risk? 15:17:23 turbines and running the project, maintaining and 15:17:29 the foundations an the electrical equipment, making 15:17:31 sure the cable is — stays buried, things like that. 15:17:34
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	to negotiate with the military, if you need to discuss it with whoever's in charge of the shipping 15:14:41 lanes, if you've got another country nearby, all of 15:14:44 these things have costs which are, yeah, 15:14:47 site-specific. 15:14:49 Q. And and other factors would be, 15:14:51 for example, the water depth that you're putting the 15:14:53 turbines in? 15:14:59 A. It's going to have an impact on 15:15:01 the cost of the project, probably not so much on the 15:15:03 cost of the development work. 15:15:05 Q. Right. And the focusing on the 15:15:07 cost of the project, the distance from the shore 15:15:11 will have a focus on the it will have a it 15:15:13 will be a factor in the cost of the project? 15:15:17 A. Cost of the project more than the 15:15:20 development cost, again, yeah. 15:15:21 Q. And I just want to turn briefly to 15:15:34 a couple of things that you said about this in your 15:15:38 witness statement. 15:15:40 At paragraph 24, in the you're 15:15:43	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	transactions. And you say that the cost of equity 15:16:22 has been slowly declining from 10 to 11 percent in 15:16:27 2011, 2012, to 9 to 10 percent today for un-levered 15:16:32 transactions; correct? 15:16:38 A. Yes. 15:16:40 Q. In Europe, I should say. 15:16:40 And then you say: 15:16:42 "It's also been declined from 15:16:43 13 and 15 percent from 12 to 15:16:46 14 percent for levered 15:16:49 transactions."? 15:16:51 A. That's what I wrote, yes. 15:16:52 Q. And then if we turn to 15:17:01 paragraph 25, the next paragraph, you talk about the 15:17:02 operational project. And you talk about three types 15:17:06 of risks. Operational risk, what would be 15:17:10 an example of operational risk? 15:17:23 turbines and running the project, maintaining and 15:17:29 the foundations an the electrical equipment, making 15:17:31 sure the cable is — stays buried, things like that. 15:17:34

	Page 248		Page 249
1	you have exposure to power prices, you're taking 15:17:43	1	for wind and solar, that the tariffs that applied to 15:18:49
2	merchant price and in the old UK regulatory 15:17:47	2	existing projects were modified as the projects were 15:18:54
3	system you had you sold your power on the 15:17:50	3	already built. 15:18:56
4	wholesale market and you had an additional revenue 15:17:54	4	Q. Okay. 15:18:59
5	stream in the form of green certificates. So you 15:17:57	5	A. It's still under dispute and 15:18:59
6	had merchant price risk on the wholesale the market, 15:17:59	6	there's a number of legal proceedings in Spain and 15:19:02
7	if you didn't have a PPA with a utility or someone 15:18:03	7	places like this about that. But it's a risk that 15:19:05
8	to to off-take it. 15:18:06	8	banks have in mind because it's actually happened in 15:19:08
9	Q. But then 15:18:08	9	a couple of places. 15:19:10
10	A. Someone would have merchant price 15:18:09	10	It hasn't happened for offshore wind. 15:19:11
11	risk as an investor in the project, not maybe not 15:18:11	11	Q. Okay. Now, I'd like to show you 15:19:14
12	necessarily the banks, but the investors would have 15:18:14	12	another document because I'd like to talk about 15:19:18
13	or may have some merchant price risk. 15:18:17	13	the this is the very last tab, Tab 9, and this 15:19:22
14	Q. And merchant price risk then 15:18:19	14	is – this is not an exhibit. This is taken from 15:19:32
15	wouldn't apply under the FIT contract? 15:18:22	15	the opening statement that we made. And what it is, 15:19:34
16	A. No. That's the point, that's the 15:18:24	16	is it's a simplified version of the longer project 15:19:41
17	whole point of the FIT contract. 15:18:26	17	schedule in the so-called but-for scenario that's 15:19:46
18	Q. Right. And then there's also 15:18:27	18	used in as part of the damages analysis by 15:19:52
19	you talk about political risk, and I I assume 15:18:31	19	Windstream in this case. And I just put it here 15:19:57
20	that's you're talking about jurisdictions where 15:18:34	20	just to show some context in terms of the timing so 15:20:00
21	there's a political risk that somehow a turbine in 15:18:37	21	I can ask you some questions. 15:20:04
22	operation will be will be affected by some 15:18:40	22	First of all, are you aware that in 15:20:07
23	political event? 15:18:43	23	terms of when Windstream actually started work on 15:20:09
24	A. Well, it has happened in some 15:18:45	24	this project, that that was in February of 2008? 15:20:11
25	European country, not for offshore wind project but, 15:18:47	25	A. I was not aware of the specific 15:20:16
	Zuropeum evaluary, not for onionite while project call, 10 for w		10 1 mas not a mas of the special 10 20110
	Page 250		Page 251
1	Page 250 date, but I don't dispute it. 15:20:18	1	Page 251 Q. And also, with respect to any sort 15:21:38
1 2	•	1 2	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39
	date, but I don't dispute it. 15:20:18 Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21		Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43
2 3 4	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29	2 3 4	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46
2 3 4 5	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33	2 3 4 5	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47
2 3 4 5 6	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. MR. SPELLISCY: I just to point 15:20:37	2 3 4 5 6	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49
2 3 4 5 6 7	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38	2 3 4 5 6 7	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52
2 3 4 5 6 7 8	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40	2 3 4 5 6 7 8	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54
2 3 4 5 6 7 8	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:43	2 3 4 5 6 7 8	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:57
2 3 4 5 6 7 8 9	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:43 pose a hypothetical, he can pose it a hypothetical, 15:20:47	2 3 4 5 6 7 8 9	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:57 A. Presumably, not at the project 15:21:58
2 3 4 5 6 7 8 9 10	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:47 pose a hypothetical, he can pose it a hypothetical, 15:20:47 but I have a problem if it's stated in a declarative 15:20:49	2 3 4 5 6 7 8 9 10	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:57 A. Presumably, not at the project 15:21:58 itself. 15:22:00
2 3 4 5 6 7 8 9 10 11 12	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:47 but I have a problem if it's stated in a declarative 15:20:49 sentence. 15:20:49	2 3 4 5 6 7 8 9 10 11	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:58 itself. 15:22:00 Q. Are you aware of that? 15:22:01
2 3 4 5 6 7 8 9 10 11 12 13	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:47 but I have a problem if it's stated in a declarative 15:20:49 sentence. 15:20:49 PRESIDENT: You can ask the expert to 15:20:53	2 3 4 5 6 7 8 9 10 11 12 13	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:58 itself. 15:22:00 Q. Are you aware of that? 15:22:01 A. But, yeah, I don't dispute it. 15:22:02
2 3 4 5 6 7 8 9 10 11 12 13 14	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:43 pose a hypothetical, he can pose it a hypothetical, 15:20:47 but I have a problem if it's stated in a declarative 15:20:49 sentence. 15:20:49 PRESIDENT: You can ask the expert to 15:20:53 comment on a particular aspect of this analysis, but 15:20:54	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:57 A. Presumably, not at the project 15:21:58 itself. 15:22:00 Q. Are you aware of that? 15:22:01 A. But, yeah, I don't dispute it. 15:22:02 Q. Okay. And were you aware of that 15:22:04
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	date, but I don't dispute it. Q. All right. So if you look on the 15:20:20 schedule, in fact, we could add three more years, 15:20:21 2010, 2009 2009, 2008, in terms of the actual 15:20:29 first steps taken in the project. 15:20:33 MR. SPELLISCY: I just to point 15:20:37 out, he's just said he's not aware and obviously 15:20:38 I think this is counsel's position. I'm not sure 15:20:40 how Mr. Guillet can talk about if he wants to 15:20:43 pose a hypothetical, he can pose it a hypothetical, 15:20:47 but I have a problem if it's stated in a declarative 15:20:49 sentence. 15:20:49 PRESIDENT: You can ask the expert to 15:20:53 comment on a particular aspect of this analysis, but 15:20:54 let's see how you should 15:20:56 BY MR. TERRY: 15:21:04 Q. And the are you aware and I put 15:21:04 in we put in a section on here that talks about 15:21:11 extended by addition 16 months of additional force 15:21:15 majeure. And are you aware that force majeure can 15:21:20 be granted by what was then the called the OPA and 15:21:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And also, with respect to any sort 15:21:38 of order, judgment, legislation, ruling or direction 15:21:39 restraining the party; were you aware of that? 15:21:43 A. I will believe you on that. 15:21:46 Q. Are you aware of it or not? 15:21:47 A. Not as such, I mean 15:21:49 Q. Okay. And also force majeure is 15:21:52 available for strikes and other labour disputes; are 15:21:54 you aware of that? 15:21:57 A. Presumably, not at the project 15:21:58 itself. 15:22:00 Q. Are you aware of that? 15:22:01 A. But, yeah, I don't dispute it. 15:22:02 Q. Okay. And were you aware of that 15:22:04 when you provide your when you drafted your 15:22:05 opinion about the availability of force majeure? 15:22:08 A. In general terms, let's put it 15:22:14 this way. 15:22:16 Q. Were you aware that under the FTT 15:22:17 contract 15:22:18 A. Was under force majeure, yes. 15:22:20 Q. No, not that. But were you aware 15:22:23

	Page 252		Page 253
1	available for developers to apply for in the event 15:22:36	1	A. Yes. 15:24:01
2	they suffer from an event of force majeure? 15:22:44	2	Q. All right. And the only reason 15:24:02
3	A. Yes, that makes sense, but it's 15:22:49	3	I'm asking is I didn't see any accounting for that 15:24:03
4	when you suffer force majeure means you can't move 15:22:51	4	in your when in your report when you were 15:24:05
5	forward, so you're just given the time back again to 15:22:54	5	talking about the project cliff, so I just wanted to 15:24:08
6	do what you would have done that you can't do. 15:22:58	6	make sure you were aware of that? 15:24:10
7	Q. So it makes sense, but I 15:23:00	7	A. Well, the thing is either you are 15:24:12
8	I guess my specific question is: Were you were 15:23:01	8	in force majeure and you can't move forward on your 15:24:14
9	you aware of that specific provision in that FIT 15:23:03	9	project or you're not and you can move forward, but 15:24:18
10	contract when you wrote this report? 15:23:06	10	it doesn't change the time that's available in 15:24:20
11	A. In general terms, in general 15:23:08	11	practice. And you can't have the time of force 15:24:22
12	terms, yes. 15:23:11	12	majeure twice. You can't do stuff during force 15:24:24
13	Q. All right. And were you or are 15:23:12	13	majeure and still get the extension. 15:24:27
14	you aware that the OPA, in fact, has granted force 15:23:16	14	If you have force majeure, it is 15:24:29
15	majeure for permitting delays on many occasions? 15:23:22	15	because you are blocked on something so you still 15:24:31
16	A. I'm not but it seems plausible. 15:23:26	16	have five years to get to completion - 15:24:33
17	Q. And are you aware that what 15:23:34	17	Q. Okay 15:24:38
18	happens if you obtain a force majeure extension from 15:23:35	18	A or seven years out of which two 15:24:38
19	the OPA, that it actually can move back your 15:23:44	19	years you can't do the things you'd like to do, but 15:24:40
20	milestone commercial operation date? 15:23:50	20	- and you are blocked through force majeure. 15:24:42
21	A. Well, that would be the whole 15:23:52	21	Q. So your understanding is that 15:24:46
22	point of force majeure, right? 15:23:53	22	you're blocked from doing anything from 15:24:47
23	Q. Okay. So so you understand 15:23:55	23	contacting 15:24:50
24	that that would then move the supplier default date 15:23:57	24	A. Well, you're certainly blocked 15:24:52
25	later in the calendar? 15:23:59	25	from doing something critical to the time schedule. 15:24:53
	Page 254		Page 255
1	Not everything presumably, but I imagine you can 15:24:56	1	sequentially. You can do a lot of things at the 15:25:49
2	still continue on doing a few other things that are 15:24:58	2	same time. 15:25:51
3	not blocked by the specific requirement. But 15:25:01	3	A. Well, some do have to be done 15:25:52
4	there's something that is going to be blocking and 15:25:03	4	sequentially. I mean, that's the trick. Which ones 15:25:53
5	that's still going to be time-sensitive, I would 15:25:05	5	do and which ones don't. 15:25:55
6	presume. 15:25:08	6	Q. But certainly some things can be 15:25:57
7	Q. Yeah, so, for example, under the 15:25:09	7	done 15:25:59
8	FIT program, you may not be aware of it, but you are 15:25:10	8	A. Probably. 15:25:59
9	certainly allowed to go ahead as part of the 15:25:13	9	Q at the same time? 15:25:59
10	permitting process with dealing with the REA appeal, 15:25:16	10	A. Yeah. 15:26:00
11	while the project's under force majeure? 15:25:19	11	Q. Now, sir, you talk about you 15:26:00
12	A. Okay. Was that done? 15:25:21	12	make statements about these the particular 15:26:13
13	Q. Pardon me? 15:25:23	13	development team in this case and questioning their 15:26:15
14	A. Was that done? 15:25:24	14	sophistication and 15:26:22
15	Q. I'm not talking about this 15:25:25	15	A. Not their sophistication, their 15:26:25
16	project. I'm talking about if a project is under 15:25:26	16	understanding of offshore wind specifically. 15:26:27
17	REA appeal and force majeure, you're allowed to move 15:25:28	17	Q. Okay. And I take it you're not 15:26:30
18	ahead with the REA appeal. 15:25:31	18	making that suggestion with respect to Sgurr as 15:26:33
19	A. Okay. But you are still blocked 15:25:33	19	technical advisors? 15:26:37
20	on the other. Like I said, you need everything to 15:25:35	20	A. No. 15:26:39
21	be ready. So, yes, you try to do whatever you can 15:25:37	21	Q. And are you making that statement 15:26:39
22	that is still doable but 15:25:40	22	with respect to COWI? Do you know COWI or 15:26:41
23	Q. And you appreciate, sir, because 15:25:42	23	COWI? The the foundation 15:26:44
24	I know you've done in other cases or arranged it, 15:25:44	24	(Simultaneous speakers - unclear) 15:26:47
25	that in projects, things don't have to be done 15:25:47	25	A. They've got experience on some 15:26:47

	Page 256		Page 257
1	very specific COWI, yes, to design a turbine 15:26:48	1	I take it in paragraph 11, that's 15:27:57
2	foundation. Yes, that's someone to go to but it 15:26:51	2	where you set out all the documents that you 15:27:58
3	depends. 15:26:53	3	reviewed before 15:28:00
4	Q. All right. 15:26:54	4	A. You mean number 12, paragraph 12? 15:28:05
5	A. But it depends what you want me to 15:26:54	5	There's one called "Second witness statement of 15:28:07
6	say about them. 15:26:56	6	David Mars"? 15:28:09
7	Q. I'm just trying to get a sense as 15:26:58	7	Q. Yeah, I'm asking about the first 15:28:11
8	to who you would think is sort of not sophisticated 15:27:01	8	witness statement. 15:28:12
9	enough to develop a project on the team. 15:27:05	9	A. Well if it's it's not listed, 15:28:16
10	Now, you've got I appreciate you 15:27:07	10	I may have seen it, but I haven't listed it, so I'm 15:28:18
11	know there are high net worth investors that were 15:27:09	11	not sure. 15:28:22
12	involved in this Windstream project; do you know 15:27:13	12	Q. Okay. And are you aware and 15:28:22
13	that? 15:27:15	13	I appreciate you weren't here for the earlier 15:28:25
14	A. I've seen the names. I don't know 15:27:18	14	testimony but are you aware that Mr. Ziegler, 15:28:27
15	how much their fortune is but presumably 15:27:19	15	Bill Ziegler testified that the that his group 15:28:31
16	substantial, but I'd like to hear more. 15:27:22	16	was willing to fund the equity of the project, to 15:28:35
17	Q. Now, in preparing your in 15:27:28	17	fund the construction of the project and development 15:28:39
18	preparing your report, did you review the witness 15:27:31	18	of it all the way up to financial close? 15:28:42
19	statement, the first witness statement of David 15:27:33	19	A. Okay. 15:28:46
20	Mars, because I didn't see that in the list of 15:27:35	20	Q. And he had the resources to do 15:28:46
21	statements you reviewed? 15:27:40	21	that? 15:28:48
22	A. I've seen one statement. I would 15:27:42	22	A. Okay. 15:28:50
23	need to check if it's the one you're referring to. 15:27:43	23	Q. Okay. And so what I'm wondering, 15:28:50
24	Q. Sir, if I look to the paragraph 11 15:27:45	24	sir, is if you take a team that has a financial 15:28:55
25	of your report, I don't see a reference. 15:27:47	25	resources and is willing to work hard, and if they 15:28:59
	Page 258		Page 259
1	have the right group of advisors, financial advisors 15:29:03	1	Wolfe Island project to the mainland? 15:30:21
2	such as your firm, technical advisors such as Sgurr, 15:29:06	2	A. Yeah, but, again, you need 15:30:27
3	regulatory consultants, engineers to do the 15:29:15	I -	
4	υ, υ	3	permits, then you need to contract the project. You 15:30:29
	permitting, is there any reason why they wouldn't 15:29:18	4	permits, then you need to contract the project. You 15:30:29 need to raise the finances. A number of different 15:30:32
5	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21		need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34
6	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the project if they bring in the appropriate European 15:29:23	4 5 6	need to raise the finances. A number of different 15:30:32
6 7	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27	4 5 6 7	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39
6 7 8	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30	4 5 6 7 8	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40
6 7 8 9	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33	4 5 6 7 8 9	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43
6 7 8 9 10	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35	4 5 6 7 8 9	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48
6 7 8 9 10 11	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39	4 5 6 7 8 9 10	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52
6 7 8 9 10 11	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42	4 5 6 7 8 9 10 11	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55
6 7 8 9 10 11 12	permitting, is there any reason why they wouldn't have the sophistication to be able to develop the project if they bring in the appropriate European 15:29:21 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:35 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of places and I think in the statements earlier this 15:29:45	4 5 6 7 8 9 10 11 12 13	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58
6 7 8 9 10 11 12 13	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42 places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47	4 5 6 7 8 9 10 11 12 13 14	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01
6 7 8 9 10 11 12	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42 places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51	4 5 6 7 8 9 10 11 12 13 14	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05
6 7 8 9 10 11 12 13 14	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42 places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51 when you read that, you have to question the 15:29:53	4 5 6 7 8 9 10 11 12 13 14 15	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:08
6 7 8 9 10 11 12 13 14 15	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42 places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51	4 5 6 7 8 9 10 11 12 13 14 15 16 17	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:08 right manager, the right team of experts with the 15:31:12
6 7 8 9 10 11 12 13 14 15 16	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42 places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51 when you read that, you have to question the 15:29:55 judgment of these people with respect to offshore wind. 15:29:55	4 5 6 7 8 9 10 11 12 13 14 15 16 17	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:12 right experience in offshore wind, the right 15:31:16
6 7 8 9 10 11 12 13 14 15 16 17	permitting, is there any reason why they wouldn't 15:29:18 have the sophistication to be able to develop the 15:29:21 project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of 15:29:42 places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51 when you read that, you have to question the 15:29:55 judgment of these people with respect to offshore 15:29:55	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:08 right manager, the right team of experts with the 15:31:12 right experience in offshore wind, the right 15:31:16 permitting experts and the financial wherewithal, 15:31:19
6 7 8 9 10 11 12 13 14 15 16 17 18	permitting, is there any reason why they wouldn't have the sophistication to be able to develop the project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51 when you read that, you have to question the 15:29:53 judgment of these people with respect to offshore 15:29:55 wind. 15:29:57	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:12 right experience in offshore wind, the right 15:31:16 permitting experts and the financial wherewithal, 15:31:19 that would give you the team that you needed to move 15:31:23
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	permitting, is there any reason why they wouldn't have the sophistication to be able to develop the project if they bring in the appropriate European 15:29:23 offshore expertise, the appropriate local expertise, 15:29:27 and work together to build the project? 15:29:30 A. Well, the question is what degree 15:29:33 of certainty? I mean it is certainly possible. The 15:29:35 question is would it be sufficient? From what 15:29:39 they've said, I mean, there's been a number of places and I think in the statements earlier this 15:29:45 week, there were people saying "Yeah, offshore is 15:29:47 basically not more difficult than on-shore," and 15:29:51 when you read that, you have to question the 15:29:55 wind. 15:29:57 So I'm not saying it couldn't be done, 15:29:57 I'm just saying that the early signs show there was 15:30:00	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:12 right experience in offshore wind, the right 15:31:16 permitting experts and the financial wherewithal, 15:31:19 that would give you the team that you needed to move 15:31:23 forward through the development steps? 15:31:26
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	permitting, is there any reason why they wouldn't have the sophistication to be able to develop the project if they bring in the appropriate European project if they bring in the appropriate local expertise, project if they bring in the appropriate European project if they bring in the series in the project in the	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:12 right experience in offshore wind, the right 15:31:16 permitting experts and the financial wherewithal, 15:31:19 that would give you the team that you needed to move 15:31:23 forward through the development steps? 15:31:26 A. Again, it's the level of the 15:31:34
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	permitting, is there any reason why they wouldn't have the sophistication to be able to develop the project if they bring in the appropriate European project if they bring in the appropriate local expertise, 15:29:27 and work together to build the project? In the project if they bring in the project if they bring in the appropriate local expertise, 15:29:30 project if they bring in the project if they bring i	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:12 right experience in offshore wind, the right 15:31:16 permitting experts and the financial wherewithal, 15:31:19 that would give you the team that you needed to move 15:31:23 forward through the development steps? 15:31:34 yes, it is doable, but would these guys have done 15:31:36
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	permitting, is there any reason why they wouldn't have the sophistication to be able to develop the project if they bring in the appropriate European project if they bring in the appropriate local expertise, 15:29:27 and work together to build the project? In 15:29:30 project if they bring in the appropriate local expertise, 15:29:30 project if they bring in the appropriate local expertise, 15:29:33 project if they bring in the appropriate local expertise, 15:29:33 project if they bring in the appropriate local expertise, 15:29:35 project in the project i	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	need to raise the finances. A number of different 15:30:32 skills need to be brought together, some of which 15:30:34 are not specific to offshore wind and some of which 15:30:36 are. 15:30:39 Most of these skills are purchasable 15:30:40 in the market, but still it takes the right project 15:30:43 manager to be bring these people together. And at 15:30:48 the moment, they do not have a project manager that 15:30:52 has the relevant experience in offshore wind. They 15:30:55 didn't have it. Maybe they would have hired it, but 15:30:58 they haven't or they didn't. 15:31:01 Q. So, just let me break this down 15:31:05 then. So, you'd agree then that if you have the 15:31:12 right experience in offshore wind, the right 15:31:16 permitting experts and the financial wherewithal, 15:31:19 that would give you the team that you needed to move 15:31:23 forward through the development steps? 15:31:26 A. Again, it's the level of the 15:31:34

	Page 260		Page 261
1	Q. And in terms of financial 15:31:46	1	has commissioned and financed 15:32:59
2	wherewithal, are you and actual experience, did 15:31:48	2	six super max boat carriers, 15:32:59
3	you read I saw that you read or at least reviewed 15:31:56	3	three tankers and is nearing 15:32:59
4	Mr. Ziegler's statement. 15:31:59	4	completion on four liquified 15:33:06
5	Did you read the statement about 15:32:00	5	petroleum gas carriers in the 15:33:06
6	Mr. Hannan and what his company had done, Ken 15:32:01	6	time since WWIS was awarded 15:33:06
7	Hannan? 15:32:04	7	the FIT contract. 15:33:06
8	A. That doesn't ring a bell. 15:32:11	8	"The total cost to build these
9	Q. If I could show you page 9 of 15:32:12	9	vessels was approximately 15:33:16
10	Mr. Ziegler's witness statement, and that's in 15:32:14	10	560 million US." [As read] 15:33:18
11	our materials, it's Tab 4. 15:32:24	11	A. Yes. 15:33:23
12	MR. SPELLISCY: I'm sorry, did you say 15:32:35	12	Q. And assuming, sir, you had the 15:33:24
13	there was a statement from Mr. Hannan? It's 15:32:36	13	appropriate team in place as I was saying, and you 15:33:25
14	we've got the Ziegler statement. Were you referring 15:32:37	14	had someone like Mr. Hannan behind the company who, 15:33:27
15	to another statement? 15:32:39	15	as you see, has experience not only in raising 15:33:32
16	MR. TERRY: I meant to say if 15:32:41	16	significant funds but also, you know, in the marine 15:33:35
17	I misspoke, I apologize. It's the second witness 15:32:42	17	environment, in the vessel area, is there any reason 15:33:38
18	statement of Mr. Ziegler, the one that the witness 15:32:44	18	why, with those attributes in place, the project 15:33:42
19	has reviewed. 15:32:46	19	couldn't have been developed? 15:33:46
20	BY MR. TERRY: 15:32:47	20	A. I mean, the shipping competence is 15:33:50
21	Q. If you could look at page 9B, he 15:32:48	21	only partly relevant so I don't know I mean lots 15:33:53
22	says that he's talking about Colonial Navigation. 15:32:51	22	of people do different things. It doesn't mean that 15:33:56
23	It says. 15:32:54	23	they can do something else in a different sector. 15:33:59
24	"Mr. Hannan's company, Colonial 15:32:55	24	Again, back to your question have 15:34:01
25	Navigation, Byzantine Marine 15:32:58	25	people managed to build up teams that have managed 15:34:03
1	Page 262 to contract and finance offshore wind farms, yes. 15:34:06	1	Page 263 you've done big projects that you're going to be 15:35:16
2	Would these people have done it? I have no idea but 15:34:09	2	good at doing offshore wind. 15:35:19
3	it's saying that it's a 90 or 95 percent certainty 15:34:13	3	PRESIDENT: Mr. Terry, we have been 15:35:21
4	that they would have, is is what I'm saying 15:34:16	4	going on for more than hour and a half, how long do 15:35:23
5	is optimistic; it is not impossible but is it highly 15:34:20	5	you think you still need? 15:35:26
6	likely? 15:34:24	6	MR. TERRY: Probably another half hour 15:35:28
7	To me, it doesn't look like it because 15:34:25	7	to, perhaps, 40 minutes, from my best guess. 15:35:33
8	they haven't they haven't yet hired the right 15:34:27	8	MR. SPELLISCY: I'd like to raise 15:35:40
9	kind of people and they seem to be quite dismissive 15:34:29	9	an issue as I raised with Mr. Terry. Mr. Guillet 15:35:41
10	of the risk of offshore wind. 15:34:32	10	has a flight tonight to catch. We are, of course, 15:35:44
11	And there is a track record of 15:34:33	11	far behind the schedule we had, so I believe he has 15:35:46
12	projects in Europe failing because the people have 15:34:36	12	to leave to catch that flight by 4:15. 15:35:49
13	underestimated the risks of offshore wind. And like 15:34:40	13	So 15:35:55
14	I mentioned in my opening statement, the oil and gas 15:34:44	14	PRESIDENT: Yes, and there's another 15:35:58
15	guys have been pretty dismissive, yeah, but, yeah. 15:34:47	15	issue. We still have two witnesses to go and today 15:35:59
16	What are these guys with their 15:34:50	16	the Tribunal will have to stop at 6:30 at the 15:36:01
17	trolleys when I've got a big tank. I can build 15:34:52	17	latest. So if the idea is to finish all three or 15:36:05
18	tanks. It should be easy to do a bicycle, but it 15:34:58	18	two witnesses still tonight, there is plenty of work 15:36:08
19	may not be easy to do one hundred bicycles up in the 15:35:00	19	to do. 15:36:12
20	air. 15:35:05	20	So you have to leave at 4:15, roughly? 15:36:14
21	All I'm saying is there's a long story 15:35:05	21	THE WITNESS: Yes. 15:36:17
22	history of failure in offshore wind that 15:35:06	22	BY MR. TERRY: 15:36:19
23	shouldn't be dismissed so easily and I think, 15:35:08	23	Q. Should we then just have 15:36:19
24	my my impression was that they were dismissing 15:35:08	24	a five-minute comfort break for everybody and then 15:36:21
	these risks a bit too casually. It's not because 15:35:14	25	we continue? 15:36:23

	Page 264	Page 265
1	MR. TERRY: I'm happy to keep going, 15:36:24	Q. And the Highland Group, maybe you
2	too, if I don't want to put anybody else in 15:36:26	could tell me very briefly what the Highland Group 15:44:14
3	an awkward situation. 15:36:30	3 is? 15:44:18
4	PRESIDENT: Well, I'm 15:36:31	4 A. It is the personal investment 15:44:18
5	MR. TERRY: We're not all too happy 15:36:36	5 vehicle of one British billionaire called Irving 15:44:20
6	about it. 15:36:37	6 Laidlaw. 15:44:27
7	PRESIDENT: Let's have a five-minute 15:36:38	7 Q. And how did he make his money? 15:44:28
8	break, and then we continue. But it is only five 15:36:38	8 A. He ran a conference company that 15:44:29
9	minutes, so the ones who are not in the room will 15:36:41	9 he sold for 800 million or something. 15:44:31
10	miss the early part of the show. 15:36:43	10 Q. A what company? 15:44:34
11	Recess taken at 2:36 p m. 15:36:45	11 A. A conference. 15:44:35
12	Upon resuming at 2:41 p m. 15:36:46	Q. A conference company? 15:44:36
13	BY MR. TERRY 15:41:27	A. Conference and events. 15:44:37
14	Q. If you could turn to Tab 7 please, 15:41:27	Q. And was it you who got him into 15:44:40
15	which is Exhibit C-1925. Tab 7. 15:43:27	15 offshore wind? 15:44:42
16	I want to ask you about this project. 15:43:32	16 A. Not at all. We helped him extract 15:44:43
17	This is an article that you wrote together with a 15:43:33	himself out of it. 15:44:46
18	co-author about the Veja Mate project, and we'll 15:43:36	18 Q. So Highland Group was the 15:44:57
19	just try to move through this quickly given our 15:43:40	developer of this particular project? 15:45:01
20	restrictions here. 15:43:42	A. No, it had been developed by 15:45:02
21	So this is I think you mentioned 15:43:43	Q. Sorry, the Highland Group was the 15:45:05
22	that this transaction closed, I think you said 15:43:51	22 acquirer of this project? 15:45:06
23	closed ten months after the Highland Group, the 15:43:57	A. Yes, became the owner of this 15:45:07
24	developer, acquired it out of bankruptcy? 15:44:02	24 project. 15:45:09
25	A. Yes, from its then owner, yes. 15:44:04	Q. And the timeline is they acquired 15:45:10
		,
	Page 266	Page 267
1	it September 2014; is that correct? 15:45:12	1 Q. Sir, you can't 15:46:05
2	it September 2014; is that correct? 15:45:12 A. Yes, that's correct. 15:45:16	1 Q. Sir, you can't 15:46:05 2 A. We were bragging about how hard 15:46:05
2	it September 2014; is that correct? 15:45:12 A. Yes, that's correct. 15:45:16 Q. And can you just give the "Yeses" 15:45:17	1 Q. Sir, you can't 15:46:05 2 A. We were bragging about how hard 15:46:05 3 this is, yes. 15:46:08
2 3 4	it September 2014; is that correct? 15:45:12 A. Yes, that's correct. 15:45:16 Q. And can you just give the "Yeses" 15:45:17 quite quickly and then we can move through this 15:45:22	1 Q. Sir, you can't 15:46:05 2 A. We were bragging about how hard 15:46:05 3 this is, yes. 15:46:08 4 Q. Sir, at some point or another 15:46:10
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	it September 2014; is that correct? A. Yes, that's correct. Q. And can you just give the "Yeses" 15:45:17 quite quickly and then we can move through this 15:45:22 quickly or whatever explanation. And it had – I'm going to track what 15:45:26 you say in your article here. It had a deadline of 15:45:28 financial close of June of 2015? A. Yes, because at that date the grid 15:45:33 connection could be reopened. Q. Right. It was located 95 15:45:37 kilometres offshore? 15:45:41 Q. It was located in deep-water? 15:45:42 A. Yes. 15:45:44 Q. These presented logistical A. That's an offshore wind project. 15:45:49 Q. These presented logistical 15:45:51 challenges during construction and operation? 15:45:52 fact that it was deep-water and 95 kilometres 15:45:58 A. It was a pretty standard German 15:45:58	Q. Sir, you can't 15:46:05 A. We were bragging about how hard 15:46:05 this is, yes. 15:46:08 Q. Sir, at some point or another 15:46:10 we've got to be able to rely on what you're saying 15:46:12 in your articles and 15:46:14 A. This is not an expert report; this 15:46:16 is an article written in a professional publication. 15:46:17 We're basically bragging about a deal that we just 15:46:21 closed so it's maybe not the same standard of 15:46:25 description of things. Yes, it's an offshore wind 15:46:28 project. It is a challenging construction 15:46:30 environment. 15:46:32 Q. Right. And I can assume that 15:46:33 everything that you've put in your expert report is 15:46:34 not for marketing purposes, but we can rely on that 15:46:37 as your evidence? 15:46:40 Q. And I understand under this 15:46:41 there is a support here where you got there was 15:46:48 price support for a period of 12 years and 7 months; 15:46:50 was that the regime you were under? 15:46:55
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	it September 2014; is that correct? A. Yes, that's correct. Q. And can you just give the "Yeses" 15:45:17 quite quickly and then we can move through this 15:45:22 quickly or whatever explanation. And it had – I'm going to track what 15:45:26 you say in your article here. It had a deadline of 15:45:28 financial close of June of 2015? A. Yes, because at that date the grid 15:45:31 A. Yes, because at that date the grid 15:45:33 connection could be reopened. Q. Right. It was located 95 A. Yes. 15:45:40 A. Yes. 15:45:41 Q. It was located in deep-water? 15:45:42 A. Yes. 15:45:44 Q. These presented logistical A. That's an offshore wind project. A. That's an offshore wind project. 15:45:51 challenges during construction and operation, the 15:45:52 fact that it was deep-water and 95 kilometres 15:45:58 A. It was a pretty standard German 15:45:58 offshore wind project, yes. Again, this is 15:46:02	Q. Sir, you can't 15:46:05 A. We were bragging about how hard 15:46:05 this is, yes. 15:46:08 Q. Sir, at some point or another 15:46:10 we've got to be able to rely on what you're saying 15:46:12 in your articles and 15:46:14 A. This is not an expert report; this 15:46:16 is an article written in a professional publication. 15:46:17 We're basically bragging about a deal that we just 15:46:21 closed so it's maybe not the same standard of 15:46:25 description of things. Yes, it's an offshore wind 15:46:28 project. It is a challenging construction 15:46:30 environment. 15:46:32 Q. Right. And I can assume that 15:46:33 everything that you've put in your expert report is 15:46:34 not for marketing purposes, but we can rely on that 15:46:37 as your evidence? 15:46:40 Q. And I understand under this 15:46:41 there is a support here where you got there was 15:46:50 was that the regime you were under? 15:46:53 A. That's the German Feed-in-Tariff 15:46:55 regime, yes. 15:46:57
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	it September 2014; is that correct? A. Yes, that's correct. Q. And can you just give the "Yeses" 15:45:17 quite quickly and then we can move through this 15:45:22 quickly or whatever explanation. And it had – I'm going to track what 15:45:26 you say in your article here. It had a deadline of 15:45:28 financial close of June of 2015? A. Yes, because at that date the grid 15:45:33 connection could be reopened. Q. Right. It was located 95 15:45:37 kilometres offshore? 15:45:41 Q. It was located in deep-water? 15:45:42 A. Yes. 15:45:44 Q. These presented logistical A. That's an offshore wind project. 15:45:49 Q. These presented logistical 15:45:51 challenges during construction and operation? 15:45:52 fact that it was deep-water and 95 kilometres 15:45:58 A. It was a pretty standard German 15:45:58	Q. Sir, you can't 15:46:05 A. We were bragging about how hard 15:46:05 this is, yes. 15:46:08 Q. Sir, at some point or another 15:46:10 we've got to be able to rely on what you're saying 15:46:12 in your articles and 15:46:14 A. This is not an expert report; this 15:46:16 is an article written in a professional publication. 15:46:17 We're basically bragging about a deal that we just 15:46:21 closed so it's maybe not the same standard of 15:46:25 description of things. Yes, it's an offshore wind 15:46:28 project. It is a challenging construction 15:46:30 environment. 15:46:32 Q. Right. And I can assume that 15:46:33 everything that you've put in your expert report is 15:46:34 not for marketing purposes, but we can rely on that 15:46:37 as your evidence? 15:46:40 Q. And I understand under this 15:46:41 there is a support here where you got there was 15:46:48 price support for a period of 12 years and 7 months; 15:46:50 was that the regime you were under? 15:46:53 A. That's the German Feed-in-Tariff 15:46:55

	Page 268		Page 269
1	this case to getting this done in such a quick time 15:47:00	1	actually working on the financial structure of the 15:48:09
2	was you worked with experience counter-parties? 15:47:03	2	project you don't own. 15:48:11
3	A. Yes. 15:47:06	3	But we had been working the Siemens 15:48:12
4	Q. And in this case, Sgurr was the 15:47:07	4	contract was a repeat of the Gemini Siemens contract 15:48:15
5	lender's engineer? 15:47:10	5	which we negotiated for three years with them, so it 15:48:19
6	A. Yes. 15:47:11	6	was the exact same people on both sides of the 15:48:21
7	Q. And this the technology used 15:47:12	7	table. Same lawyers, same principals. 15:48:24
8	was a 6-megawatt Siemens turbine which was brand new 15:47:19	8	So, yes, we could say it's fast 15:48:29
9	technology? 15:47:23	9	because it sort of ignores the work that's being 15:48:32
10	A. Yes. 15:47:24	10	done. Before we were able to run the tenders very 15:48:35
11	Q. The way one of the things you 15:47:29	11	fast because we were Highland owned the project 15:48:38
12	did was you opted for a conservative two-season 15:47:31	12	next to this one and site conditions were 15:48:42
13	approach for construction? 15:47:34	13	essentially identical, so you could do a tender and 15:48:45
14	A. Yes. 15:47:35	14	the tender had been run for the site next door 15:48:48
15	Q. And the funding here was equity 15:47:38	15	before, so you could just replicate it very easily 15:48:51
16	funding by an infrastructure fund and by the 15:47:41	16	for this one. 15:48:54
17	contractor Siemens? 15:47:46	17	So there are a number of reasons why 15:48:54
18	A. Yes. 15:47:47	18	it looks very short. Again, there was a lot of 15:48:56
19	Q. You worked on that financing 15:47:49	19	preparation work into that last phase. 15:48:59
20	structure from September to 2014 and you closed in 15:47:50	20	Q. And it took in fact, it took 15:49:01
21	June 2015? 15:47:56	21	four and a half months to get from the launch, the 15:49:04
22	A. The reality is we had been working 15:47:58	22	approach to the banks, to financial close? 15:49:07
23	on the financial structure for the previous two 15:48:00	23	A. Yes. 15:49:09
24	years, but the project was only purchased in 15:48:03	24	Q. And that's very fast. 15:49:11
25	September, so you can't really say that you're 15:48:06	25	A. Yes, that's the Green Giraffe 15:49:12
	Page 270		Page 271
1	standard. 15:49:15	1	for either Euro the ten years swept through the 15:50:16
2	Q. We definitely have to get your 15:49:18	2	Euros are 0.5 percent, and the margins are where 15:50:19
3	business card before you leave. 15:49:19	3	you've seen in the other documents, so 15:50:23
4	A. Well, the fact is that the 15:49:21	4	Q. And you say here that getting this 15:50:28
5	Government of Canada found me before Windstream. 15:49:22	5	project through to financial close so quickly shows 15:50:30
6	That says something about the 15:49:29	6	that all sides of a project can come together to 15:50:33
7	Q. Interest was high from the public 15:49:30	7	achieve financial close in a short period of time 15:50:35
8	financial institutions for this project? 15:49:32	8	without compromising on quality? 15:50:38
9	A. From who, sorry? 15:49:37	9	A. Yes, I said that. 15:50:41
10	Q. There was high interest from 15:49:38	10	Q. And you say it also shows 15:50:42
11	public financial institutions for this project? 15:49:39	11	a maturity of the sector because an infrastructure 15:50:44
12	Again, I'm just repeating what you say in this 15:49:41	12	fund acting for institutional investors and pension 15:50:46
13	article? 15:49:44	13	funds took construction risk on the project? 15:50:49
14	A. Yes, it's a German project, so the 15:49:46	14	A. Yes. CIP is the people running 15:50:53
15	KFW program was interested because they have money 15:49:50	15	CIP were the people running the Dong offshore wind 15:50:56
		1	operation for the past several years before that. 15:51:01
16	they haven't spent. EIB was highly interested 15:49:53	16	operation for the past several years before that. 13.31.01
16 17	because we had kicked them out of a previous deal 15:49:56	17	They are highly experienced people, 15:51:03
16		17 18	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05
16 17	because we had kicked them out of a previous deal 15:49:56	17 18 19	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05 a billionaire that had no clue as an owner, and that 15:51:11
16 17 18	because we had kicked them out of a previous deal 15:49:56 and they were keen to be in. Well, they're actually 15:49:59	17 18	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05
16 17 18 19	because we had kicked them out of a previous deal 15:49:56 and they were keen to be in. Well, they're actually 15:49:59 not in this one. EFK is in because it is Siemens 15:50:02	17 18 19	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05 a billionaire that had no clue as an owner, and that 15:51:11
16 17 18 19 20	because we had kicked them out of a previous deal 15:49:56 and they were keen to be in. Well, they're actually 15:49:59 not in this one. EFK is in because it is Siemens 15:50:02 turbines. 15:50:06 Q. So interest was high? 15:50:07 A. Because we generated the interest. 15:50:08	17 18 19 20 21 22	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05 a billionaire that had no clue as an owner, and that 15:51:11 was not something you want. So he said so himself. 15:51:14 Let's get some owners who have credibility in the 15:51:17 market. 15:51:21
16 17 18 19 20 21	because we had kicked them out of a previous deal 15:49:56 and they were keen to be in. Well, they're actually 15:49:59 not in this one. EFK is in because it is Siemens 15:50:02 turbines. 15:50:06 Q. So interest was high? 15:50:07 A. Because we generated the interest. 15:50:08 Q. And the average cost of debt for 15:50:10	17 18 19 20 21	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05 a billionaire that had no clue as an owner, and that 15:51:11 was not something you want. So he said so himself. 15:51:14 Let's get some owners who have credibility in the 15:51:17 market. 15:51:21 Q. Right. So if you have a high net 15:51:21
16 17 18 19 20 21	because we had kicked them out of a previous deal 15:49:56 and they were keen to be in. Well, they're actually 15:49:59 not in this one. EFK is in because it is Siemens 15:50:02 turbines. 15:50:06 Q. So interest was high? 15:50:07 A. Because we generated the interest. 15:50:08	17 18 19 20 21 22	They are highly experienced people, 15:51:03 that's why we brought them in because we had 15:51:05 a billionaire that had no clue as an owner, and that 15:51:11 was not something you want. So he said so himself. 15:51:14 Let's get some owners who have credibility in the 15:51:17 market. 15:51:21

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1	you get the project built? 15:51:27	1	Q. Pardon me? 15:52:27
2	A. Yeah, but maybe you're not going 15:51:29	2	A. Some residual merchant price risk. 15:52:28
3	to get the price 15:51:30	3	Q. Okay. There is subsidiary here 15:52:31
4	Q. Yes, you agree? 15:51:35	4	for 15 years? 15:52:33
5	A. It depends, you know. It can be 15:51:36	5	A. I don't like the word "subsidiary" 15:52:35
6	done. It doesn't mean that it will be done. 15:51:38	6	for price regimes for wind projects, but, yes, there 15:52:37
7	Q. It certainly was done in this 15:51:41	7	is a price regime for 15 years. 15:52:40
8	case, wasn't it? 15:51:42	8	Q. It was not indexed? 15:52:43
9	A. Yes. 15:51:43	9	A. It's not indexed. 15:52:44
10	Q. Sir, if I could take you to 15:51:54	10	Q. Now, this, as you've mentioned 15:52:46
11	another case and this is at Tab 8, C-1919, and this 15:51:55	11	before, this project was commenced in 2011? 15:52:48
12	is the Gemini project you've mentioned? 15:52:00	12	A. They won the tender in 2011. 15:52:56
13	A. Yes, and this is a project with 15:52:05	13	Q. Sir, I mean in terms of the 15:52:58
14	Northland Power. 15:52:07	14	development process, not the actual operations. 15:53:00
15	Q. And this will be another 15:52:08	15	A. The development I think started 15:53:02
16	Green Giraffe special? 15:52:10	16	earlier than that. No, in '11 they won the tender 15:53:04
17	A. Yes. 15:52:14	17	for the tariff. 15:53:08
18	Q. And this project is 85 kilometres 15:52:14	18	Q. And this was a large project, 15:53:09
19	from the coast? 15:52:16	19	600-megawatts? 15:53:11
20	A. Yes. 15:52:17	20	A. Yes. 15:53:12
21	Q. And it's a very long, 15:52:17	21	Q. And a small developer behind the 15:53:13
22	100 kilometre long cable it? 15:52:20	22	project? 15:53:14
23	A. Yes. 15:52:22	23	A. Yes, small developer with a lot of 15:53:15
24	Q. There's some merchant price risk? 15:52:23	24	expertise because they had done it a couple of times 15:53:18
25	A. Yes, residual, yes. 15:52:25	25	before. 15:53:21
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	<u> </u>		
1	O. Right, but a small developer? 15:53:21	1	A Voc 15.51.25
1 2	Q. Right, but a small developer? 15:53:21	1 2	A. Yes. 15:54:35 O. And you you've got: 15:54:36
2	A. Yes. 15:53:23	2	Q. And you you've got: 15:54:36
2	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23		Q. And you you've got: 15:54:36 "The public debate about 15:54:37
2 3 4	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31	2 3	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39
2 3 4 5	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42	2 3 4	Q. And you you've got: 15:54:36 "The public debate about offshore wind has become increasingly toxic." 15:54:40
2 3 4	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49	2 3 4 5	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43
2 3 4 5	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58	2 3 4 5 6	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44
2 3 4 5 6 7	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59	2 3 4 5 6 7	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46
2 3 4 5 6 7 8	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01	2 3 4 5 6 7 8	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46
2 3 4 5 6 7 8	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03	2 3 4 5 6 7 8 9	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49
2 3 4 5 6 7 8 9	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03	2 3 4 5 6 7 8 9	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51
2 3 4 5 6 7 8 9 10	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06	2 3 4 5 6 7 8 9 10	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:55
2 3 4 5 6 7 8 9 10 11 12	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09	2 3 4 5 6 7 8 9 10 11 12	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:55 talk about the highly experienced team and Sgurr 15:54:58
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2 3 4 5 6 7 8 9 10 11 12 13	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:10 Q. And you say: 15:54:11	2 3 4 5 6 7 8 9 10 11 12 13	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:55 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:55 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:18 make this happen." 15:55:21 weren't playing the can-do role, they were asking 15:55:23
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14 Q. And that's because in 2011 and 15:54:15 2012 were marked by severe tensions on bank funding 15:54:17	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:55 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:18 make this happen." 15:55:21 weren't playing the can-do role, they were asking 15:55:23 the tough questions as to whether the project could 15:55:26
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14 Q. And that's because in 2011 and 15:54:15 2012 were marked by severe tensions on bank funding 15:54:17 and their willingness to do long term debt." 15:54:21	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:55 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:18 make this happen." 15:55:21 weren't playing the can-do role, they were asking 15:55:23 the tough questions as to whether the project could 15:55:26 go ahead? 15:55:28
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14 Q. And that's because in 2011 and 15:54:15 2012 were marked by severe tensions on bank funding 15:54:17 and their willingness to do long term debt." 15:54:21 And then you had: 15:54:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And you you've got: 15:54:36 "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:58 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:18 make this happen." 15:55:20 Q. They were like the police — they 15:55:21 weren't playing the can-do role, they were asking 15:55:23 the tough questions as to whether the project could 15:55:26 go ahead? 15:55:28 A. No, they were asking the what if 15:55:29
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14 Q. And that's because in 2011 and 15:54:15 2012 were marked by severe tensions on bank funding 15:54:17 and their willingness to do long term debt." 15:54:21 And then you had: 15:54:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. And you you've got: "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:58 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:21 weren't playing the can-do role, they were asking 15:55:23 the tough questions as to whether the project could 15:55:26 go ahead? 15:55:29 questions, looking how could it go wrong. 15:55:31
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14 Q. And that's because in 2011 and 15:54:15 2012 were marked by severe tensions on bank funding 15:54:17 and their willingness to do long term debt." 15:54:21 And then you had: 15:54:24 "This German specific issue in 15:54:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. And you you've got: "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:58 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:18 make this happen." 15:55:20 Q. They were like the police — they 15:55:21 weren't playing the can-do role, they were asking 15:55:23 the tough questions as to whether the project could 15:55:26 go ahead? 15:55:28 A. No, they were asking the what if 15:55:31 Q. Yeah. And you built here, as 15:55:36
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yes. 15:53:23 Q. And at this time, and maybe I can 15:53:23 flip you through the pages here, you will see 15:53:31 well, we just discussed at page 6 and page 7 at 15:53:42 and if you turn to page 10, you say here as you say 15:53:49 in your heading: 15:53:58 "There is no big balance sheet 15:53:59 player behind the project."? 15:54:01 A. Yes. 15:54:03 Q. "And no big names to convince 15:54:03 investors, lenders and contractors."? 15:54:06 A. Yes. 15:54:09 Q. And you say: 15:54:10 "It was a difficult market 15:54:11 context. 15:54:13 A. I do. 15:54:14 Q. And that's because in 2011 and 15:54:15 2012 were marked by severe tensions on bank funding 15:54:17 and their willingness to do long term debt." 15:54:24 "This German specific issue in 15:54:25 2012 and 2013 where German offshore wind projects 15:54:27	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. And you you've got: "The public debate about 15:54:37 offshore wind has become 15:54:39 increasingly toxic." 15:54:40 A. I write this, yes. 15:54:43 Q. And you've got below here, though, 15:54:44 that the project has a favourable regulatory 15:54:46 framework, and on page 11: 15:54:49 "An explicit price regime, good 15:54:51 cooperation with regulatory bodies," and then you 15:54:58 talk about the highly experienced team and Sgurr 15:54:58 again was the independent engineer on this project. 15:55:01 A. No, they were the lender's 15:55:04 engineer. They were there to ask, "What if this 15:55:15 goes wrong?" They were not there to say, "Let's 15:55:21 weren't playing the can-do role, they were asking 15:55:23 the tough questions as to whether the project could 15:55:26 go ahead? 15:55:29 questions, looking how could it go wrong. 15:55:31

	Page 276		Page 277
1	says, in terms of your, you say there is a clear 15:55:45	1	thing is we excluded people, so we're not looking at 15:56:39
2	strategy and the last bullet here: 15:55:47	2	the whole universe. 15:56:41
3	"Realistic expectations as to 15:55:50	3	Of course, there are tons of people 15:56:43
4	what could be done," you said, 15:55:53	4	that could invest in offshore wind farm. The 15:56:46
5	"the financial model built in 15:55:53	5	question is: Are you able to choose three years in 15:56:49
6	2011 was used all the way to 15:55:56	6	advance which ones you want? That's what we did. 15:56:51
7	financial close." 15:55:57	7	That's not looking and saying, "Oh, there are plenty 15:56:53
8	So you develop a model there in 2011 15:55:59	8	of guys." 15:56:56
9	that you use to financial close? 15:56:01	9	Because if you do that, you are never 15:56:56
10	A. Yeah, what this means is that from 15:56:03	10	choosing and you end up going to the market and 15:56:58
11	the beginning, we basically excluded a large portion 15:56:04	11	saying, "Well, will you buy into my project?" They 15:57:01
12	of the market in terms of investors. So, I mean, 15:56:07	12	say, "What are you selling?" You say, "Well, 15:57:03
13	you've been in the past hour telling me there is 15:56:09	13	an offshore wind project." 15:57:05
14	these kinds of investors and these kinds and these 15:56:12	14	Q. Sometimes like the Veja Mate you 15:57:07
15	kinds, so there are lots of people conceivably that 15:56:15	15	are four months away from an ecology cliff you can 15:57:12
16	can invest in offshore wind. 15:56:17	16	finance it? 15:57:15
17	We said we don't care about all these 15:56:19	17	A. It's not is not the same kind of 15:57:16
18	guys. They didn't have the profile that we need. 15:56:21	18	the project cliff. You lose the grid investment so 15:57:17
19	We are going to focus on that narrow part of the 15:56:24	19	for the investor the project losses value. The 15:57:20
20	market so we are excluding a lot of people. We are 15:56:27	20	banks, they don't care because they haven't invested 15:57:23
21	targeting something specific because we think that 15:56:29	21	a cent and the other investors don't care so either 15:57:25
22	is the only thing that will work in the end. 15:56:31	22	it starts and it's got time to be built. The cliff 15:57:28
23	Q. Okay. 15:56:34	23	you have here is if you don't build on time you lose 15:57:30
24	A. And the structure was built and 15:56:34	24	your tariff so you have put your money in and then 15:57:33
25	tailor made for these investors. But the important 15:56:36	25	you're fully at risk of falling off the cliff. And 15:57:36
	Page 278		Page 279
1	the banks are taking the cliff risk. And they will 15:57:39	1	occur at the very beginning of a project when you 15:58:39
2	not take the cliff risk if it's too close from the 15:57:42	2	start to develop it; it occurs much later in the 15:58:41
3	dates that you are taking off. That's the 15:57:45	3	project when you've got the permits, and the project 15:58:45
4	difference. This is a cliff. 15:57:48	4	is ready to be closed? 15:58:50
5	He banks were and say, yeah, we 15:57:50	5	A. Well the banks will decide at the 15:58:52
6	believe you can make it so we'll make the effort to 15:57:52	6	time of financial close whether the schedule is 15:58:53
7	be there with you and sign with you because we do 15:57:54	7	conservative enough given that cliff are there so if 15:58:56
8	need to sign on time as well. 15:57:57	8	they say okay, we start now, you've got two years to 15:59:00
9	But if we don't sign, there is the no 15:57:58	9	build and the cliff is only three and a half years 15:59:03
10	deal, the banks lose nothing. They just lose a few 15:58:01	10	later, that's fine. So at financial close at three 15:59:05
11	months of work by a couple of people so not the same 15:58:05	11	and a half years before the cliff, they will 15:59:09
12	risk at all. 15:58:07	12	probably decide, okay let's do it. 15:59:11
13	Q. Sir, are you aware, in terms of 15:58:08	13	If it is three years, you are probably 15:59:13
14	what call the project cliff in this case, you were 15:58:10	14	going to lose people. If it is two and a half 15:59:17
15	here for the testimony of Sarah Powell 15:58:12	15	years, banks will not sign. 15:59:19
16	A. Yes. 15:58:14	16	Q. Yeah, it's all going to depend on 15:59:20
17	Q this morning and you are aware 15:58:15	17	the circumstances. In the Veja Mate, there was 15:59:22
18	then that there have been extensions granted in the 15:58:17	18	a very short period of time? 15:59:25
19	renewable energy sector by the OPA on various 15:58:20	19	A. Again, not the same cliff, not the 15:59:27
20	occasions turn down for various reasons? 15:58:23	20	same cliff. 15:59:28
21 22	A. My firm expert opinion is that 15:58:25	21 22	Q. Now, if I could return to that 15:59:30
23	banks lend continuing to an offshore wind project 15:58:29	23	document we were on, page 17 just to finish up here 15:59:34
24	would not have taken that risk. 15:58:30	24	for the Gemini project, the transaction closed in 15:59:37
	() Rut it depends what time timenoid 15.58.27		
25	Q. But it depends what time financial 15:58:32 close occurs, doesn't it? Financial close does not 15:58:35	25	record time. And you set out the chronology, page 17. 15:59:39

	Page 280		Page 281
1	If I could turn to page 19, I just 15:59:49	1	contractual structure and the risk mitigation 16:00:59
2	wanted to understand what the debt to equity 15:59:52	2	features, the contingency budget for this project 16:01:02
3	structure was. I understand that it was there 15:59:56	3	was 10 percent. Correct? 16:01:04
4	was the costs were \$2.8 billion and I see your 16:00:00	4	A. It doesn't say that here. 16:01:06
5	sources of financing here so I'm just wondering what 16:00:07	5	Q. If you turn to your chart in your 16:01:11
6	the debt tune what the debt-to-equity I assume 16:00:09	6	witness statement I believe that you say that that's 16:01:12
7	you know what the debt to equity structure was? 16:00:12	7	the number. I may be wrong but I've been wrong 16:01:15
8	A. Page 19 is only the debt. There 16:00:15	8	before. 16:01:18
9	is no equity there. 16:00:17	9	A. 2014 it says there is a bar 16:01:23
10	Q. Yes, so what was the equity 16:00:18	10	between 12 and 15 percent so it is somewhere in that 16:01:24
11	structure? 16:00:20	11	bar between 12 and 15 percent, so that's the graph, 16:01:28
12	MR. SPELLISCY: I would just caution 16:00:22	12	number 154 154 of my expert statement. 16:01:32
13	to remind you, if this is confidential information, 16:00:23	13	Q. I'm looking at your chart, sir, 16:01:37
14	we can 16:00:26	14	which is above paragraph 102? 16:01:39
15	THE WITNESS: No, this is a public 16:00:26	15	A. Which one, sorry? 16:01:40
16	presentation. 16:00:28	16	Q. It's a chart on page 31 of your 16:01:42
17	MR. TERRY: It is publicly available. 16:00:29	17	witness statement, of your expert report. If you 16:01:45
18	THE WITNESS: It is 70/30 debt to 16:00:34	18	look at that chart, it says "Gemini," and it says 16:01:56
19	equity. Debt to equity, yes. 16:00:36	19	about the contingency amount is 10 percent, correct? 16:02:02
20	BY MR. TERRY: 16:00:41	20	That's what it says, right? 16:02:20
21	Q. All right you are certain of that? 16:00:41	21	A. It probably should be qualified it 16:02:21
22	A. Yes. 16:00:43	22	is the external contingency. There is a bit of 16:02:22
23	Q. And if we turn over to the next 16:00:45	23	contingency in the base budget but, yes, that's what 16:02:25
24	page, the contingency budget, here you say was 16:00:48	24	it says here. 16:02:27
25	reasonable contingency budget reflecting the strong 16:00:55	25	Q. Okay. In respect of contingency, 16:02:29
	Page 282		Page 283
1	_	1	•
2	because I know you've given an opinion as to what 16:02:33	2	presentation this morning, the banks will see this 16:03:52
3	you think the contingency amount should be for this 16:02:37 project. 16:02:39	3	is a first of a kind project. 16:03:54 They are not going to say this is 16:03:57
4	You've said it should be 20 percent 16:02:40	4	a mature industry, this is with contractors who have 16:03:58
5	and if you look at that chart that we were just 16:02:42	5	done it several times, 50 kilometres away. They've 16:04:02
6	looking at here, that's you've got contingency 16:02:44	6	got all their basis, they have all their people, 16:04:05
7	numbers that vary from a low of 5 percent to a high 16:02:50	7	they are doing this in a new continent, a new area. 16:04:08
8	of 20 percent, and the next one down from 20 16:02:56	8	No doubt there are people who know how 16:04:14
9	percent, if I'm reading this right, is 16 percent. 16:03:02	9	to do things in that area, but they don't know how 16:04:18
10	So, for this project, as far as DCF 16:03:06	10	to do offshore turbines. Things will go wrong on 16:04:21
11	calculations you've said that for this project, 16:03:12	11	this one and these people are untested, so we would 16:04:25
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12	I mean the Windstream project, you said that the 16:03:14	1 12	want a higher contingency. So 20 percent to me for 16:04:2/
13	I mean the Windstream project, you said that the 16:03:14 contingency should be 20 percent? 16:03:16	13	want a higher contingency. So 20 percent to me for 16:04:27 a project like this is pretty pretty prudent. 16:04:31
	I mean the Windstream project, you said that the 16:03:14 contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18		a project like this is pretty pretty prudent. 16:04:31
13	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18	13	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36
13 14	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18	13 14	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40
13 14 15	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19	13 14 15	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36
13 14 15 16	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22	13 14 15 16	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46
13 14 15 16 17	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22 A. Well, I've explained why, which is 16:03:25	13 14 15 16 17	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46 budget for project, then a different value for the 16:04:48
13 14 15 16 17 18	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22 A. Well, I've explained why, which is 16:03:25 current numbers are higher because of the German 16:03:27	13 14 15 16 17 18	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46 budget for project, then a different value for the 16:04:48 investor that stays because you give the value to 16:04:50
13 14 15 16 17 18	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22 A. Well, I've explained why, which is 16:03:25 current numbers are higher because of the German 16:03:27 project problems with the grid so, yeah. And 16:03:31	13 14 15 16 17 18 19	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46 budget for project, then a different value for the 16:04:48 investor that stays because you give the value to 16:04:50 the contractors who take the risk. 16:04:51
13 14 15 16 17 18 19	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22 A. Well, I've explained why, which is 16:03:25 current numbers are higher because of the German 16:03:27 project problems with the grid so, yeah. And 16:03:31 early numbers were high because you've had a dip in 16:03:34	13 14 15 16 17 18 19 20	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46 budget for project, then a different value for the 16:04:48 investor that stays because you give the value to 16:04:50 the contractors who take the risk. 16:04:51 PRESIDENT: Mr. Terry, we have 10 16:04:54 minutes left roughly. We should leave some time for 16:04:56 redirect. I wanted to just check whether there are 16:04:59
13 14 15 16 17 18 19 20 21	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22 A. Well, I've explained why, which is 16:03:25 current numbers are higher because of the German 16:03:27 project problems with the grid so, yeah. And 16:03:31 early numbers were high because you've had a dip in 16:03:34 the middle which is the right date to use is one 16:03:38 thing so the market comparable for the project 16:03:41 is 15 percent, at least. 16:03:43	13 14 15 16 17 18 19 20 21	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46 budget for project, then a different value for the 16:04:48 investor that stays because you give the value to 16:04:50 the contractors who take the risk. 16:04:51 PRESIDENT: Mr. Terry, we have 10 16:04:54 minutes left roughly. We should leave some time for 16:04:56 redirect. I wanted to just check whether there are 16:04:59 any questions for redirect in the horizon. 16:05:02
13 14 15 16 17 18 19 20 21	contingency should be 20 percent? 16:03:16 A. Yes. 16:03:18 Q. You've taken the highest number 16:03:19 that has occurred once on this chart? 16:03:22 A. Well, I've explained why, which is 16:03:25 current numbers are higher because of the German 16:03:27 project problems with the grid so, yeah. And 16:03:31 early numbers were high because you've had a dip in 16:03:34 the middle which is the right date to use is one 16:03:38 thing so the market comparable for the project 16:03:41	13 14 15 16 17 18 19 20 21 22	a project like this is pretty pretty prudent. 16:04:31 The only way to get it lower is to get 16:04:36 very expensive contracts where you pass on all your 16:04:40 risks to the contractors, but if you get a different 16:04:46 budget for project, then a different value for the 16:04:48 investor that stays because you give the value to 16:04:50 the contractors who take the risk. 16:04:51 PRESIDENT: Mr. Terry, we have 10 16:04:54 minutes left roughly. We should leave some time for 16:04:56 redirect. I wanted to just check whether there are 16:04:59

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in the next minute, if you give us a -- I'm also 16:05:10
willing to see my time if the Tribunal has 16:05:14
questions. 16:05:18

PRESIDENT: Well, we will have some. 16:05:18
MR. TERRY: I'm being -- I might say 16:05:20
that we accommodated Mr. Green -- sorry, we -- we 16:05:

that we accommodated Mr. Green -- sorry, we -- we 16:05:22 accommodated Mr. Guillet out of order. He was going 16:05:31 to be last week and we'd understood that he was 16:05:34 going to be here Thursday, Friday. 16:05:37

I learned just at the lunch time that 16:05:40 he had a flight to catch, so I certainly would have 16:05:43 been suggesting a shorter morning or he could have 16:05:45 started this morning. So I just put that out there 16:05:48 for some context. I am speeding through, though, 16:05:51 and will be shortly finishing up. 16:05:54

BY MR. TERRY
16:05:55
Q. In terms of contingency, though, 16:05:55
if you take a case like the Gemini one where you've 16:06:00
got, as I say, a small developer, and if you are 16:06:04
dealing with banks, one way to get those contingency 16:06:08
amounts down is to get banks comfortable by having, 16:06:10
again, the right team, the right European experience 16:06:14
to bring over, combined with the right know-how of 16:06:17
Lake Ontario.
16:06:20

And it would be reasonable to try and 16:06:21

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mitigate the risk that the bank sees and get the contingency amount down that way. 16:06:22

That would be a strategy that you 16:06:27 would presumably adopt if you were working for this 16:06:29 company? 16:06:31

A. That's what we would try to do for 16:06:32 sure if we had that particular task on our desk, but 16:06:34 I'm not optimistic that we could get it below 20 16:06:38 percent in that case, to be honest. 16:06:41

Q. Right. And one of the points that 16:06:43 you make is you talk about turbine cost. And you -- 16:06:46 I understand that you -- you, like our side, agree 16:06:53 that this wasn't a bankable turbine supply agreement 16:06:57 and was going to be renegotiated; is that true? 16:07:02

A. Yes.

Q. And I think where we disagree is 16:07:11 you thought the turbine price would go up, remember, 16:07:13 rather than down. Now you make a statement, you say 16:07:15 that Siemens was the only turbine supplier with 16:07:18 a presence in North America. 16:07:21

16:07:11

And do you know -- maybe you could 16:07:22 tell me, who was the second largest, after Siemens, 16:07:25 offshore wind manufacturer? 16:07:30

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Q. And were you also aware that they 16:08:05 had expressed interest in potentially financing the 16:08:06 project? 16:08:15

A. I'm sure they did a business trip 16:08:16 to Canada with us during presentation alongside 16:08:18 themselves. So, yes, I would be quite familiar with 16:08:21 Vestas approach to Ontario in 2010. 16:08:24

MR. SPELLISCY: Just so -- we have ten 16:08:28 minutes left and we're now asking questions about whether he is aware of contacts with your clients. 16:08:33

I just emphasise, time is of the 16:08:35 essence here, and I don't see how he could be aware 16:08:38 of having contacts with your client, so... 16:08:40

MR. TERRY: And Mr. -- with all due 16:08:43 respect, Mr. Spelliscy, I am trying to get through this examination and when you interrupt... I've 16:08:47 been put in this position by you not notifying us 16:08:50 earlier about this plane trip. 16:08:52

MR. SPELLISCY: You were put into this 16:08:55

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position because you are two hours behind schedule, 16:08:57 according to our count. 16:09:02

MR. TERRY: We started after lunch. 16:09:04
I tried to finish this 16:09:06

in the next couple months. 16:09:06

BY MR. TERRY 16:09:08
Q. And in terms of relevance - 16:09:08

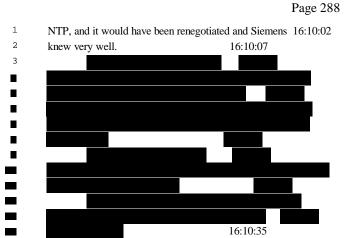
A. To cut it short, Vestas was in 16:09:09 difficult financial situation in 2011 and 2012, and 16:09:12 basically dropped out of the market. 16:09:16

Even at the end of time, people would 16:09:18 not buy Vestas turbines because of the counter-party 16:09:20 risk on them, and for a while, Siemens had the 16:09:25 market to themselves. 16:09:28

So, in practice, yes, I will stand by 16:09:29
having negotiated Siemens contract painfully over 16:09:31
the past several years. You would not have gotten 16:09:38
a better price, you would not have gotten better 16:09:41
schedule, you would not have gotten better risk 16:09:44
allocation. 16:09:47

Not all three of these, maybe one of 16:09:48 the three if you focused on the right item, 16:09:50 commercial conditions. 16:09:57

I agree that this contract was -- the 16:09:58 preliminary contractor for specific purpose for the 16:10:00



You had the whole service agreement 16:10:37 that you needed to be bankable. And our report --16:10:38 we've actually put 25 pages or 10 pages on all the 16:10:41 terms, so it is a guide on how to negotiate 16:10:45 a contract with Siemens basically. We've given free 16:10:47 our report but that takes a number of months to 16:10:51 actually do that.

Q. All right. Now, listen, you make 16:10:55 a number of other statements with respect to 16:10:57 issues -- with respect to vessel availability. 16:10:59 construction budget, decommissioning costs. 16:11:04 Page 289

16:11:08 And maybe, in dealing with these quickly, I'll just reemphasise again, that your - 16:11:10 you're not coming here to provide us with expertise 16:11:14 from an engineering or construction perspective on 16:11:18 these issues?

A. Oh, but scheduling of vessels and 16:11:21 availability of vessels, and that's something you 16:11:25 understood very well. Either you have the vessel 16:11:27 and you have the options for the vessel, and the vessel contractually has to be there. I mean that's 16:11:33 pretty black and white. 16:11:36

You need to be a lawyer to understand 16:11:37 it or you need to read a contract and that's 16:11:39 something that banks do read. 16:11:41

The vessels, you know, are going to 16:11:42 have your finance engineer go telling you, you need 16:11:44 three days for turbine, the weather windows are 16:11:48 going to be varying like this, so the construction 16:11:50 time is going to be 120 days to 180 or maybe 200. 16:11:52

So you need to have your vessels for 16:11:55 120 day with the option to 180, and the possibility 16:11:57 to extend it further, if need be. 16:12:00

Q. And, sir --16:12:02 A. That's the -- (Simultaneous 16:12:03 speakers - unclear) 16:12:04

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Q. Sir, I'm trying to speed this up 16:12:05 for your benefit but this -- again, you would rely 16:12:08 -- as someone involved in financing on the lender's 16:12:10 engineer or whoever was advising the technical side, 16:12:14 as whether there are issues with the vessel 16:12:17 availability.

You wouldn't be the one who would be 16:12:20 making that assessment and going out and making 16:12:22 those determinations? 16:12:26

A. This is something that we actually 16:12:27 know as well, so this is not a technical issue. 16:12:28 I mean the parameters of these 16:12:31 vessels, you know, there is a finite number of 16:12:35 vessels in the market and vessel providers, and you 16:12:38 know in which other projects they are working. 16:12:40

So this is really fairly close and it's so critical to a project that, yes, we would be 16:12:45 close to it. And Sgurr, again in their reports, 16:12:49 they are on the -- let's make this happen. 16:12:53

So, yes, we will probably find the 16:12:55 right vessels to do it, but under what happens in 16:12:58 a what happens if, situation, can you actually find 16:13:01 the vessels for the right parameters for the right 16:13:05 duration at the right moment is a much tougher 16:13:08 question to answer. 16:13:11

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1 And that one is not answered at this 16:13:12 2 date. Yes, there is a number of vessels that could 16:13:16 3 potentially do the job. Will they be available? 16:13:18 4 Will the contractor be willing to let them go for 16:13:22 5 four months across the ocean, through the locks to 16:13:25 6 install the smaller turbines than they are doing in 16:13:29 7 Europe? You don't have the answer to that, and 16.13.32 8 Sgurr doesn't either. 16:13:36

> Q. And, sir, you appreciate in this 16:13:37 particular case, these aren't the jack up vessels 16:13:39 that you need to put in monopile foundations and 16:13:43 there is, in this particular case, a very 16:13:46 experienced company, Weeks Marine who the Tribunal 16:13:48 will hear from, who will describe how the vessels 16:13:55 will work in this case, including the work that 16:13:58 COWI's doing all is overseen by Sgurr engineer. 16:14:00

So you are saying that rather than listen to what they have to say, we should accept 16:14:06 what you say on how the vessel situation would move 16:14:08 here? 16:14:10

A. I thought you were -- you are 16:14:11 moving the goal points. We were talking about 16:14:13 turbines, and now you are talking about vessels. 16:14:15 Not the same vessels. 16.14.16 It's two different tasks. Installing 16:14:18

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Page 292 Page 293 1 1 16:14:21 be bankable. It's two completely different 16:15:25 foundations, yes, it's not monopiles. So agreed, 2 2 you maybe can do it with barges and that's fine. 16:14:24 questions. 16:15:28 3 3 You still have to install the turbines. You can't 16:14:27 Q. Okay. I have two more questions 16:15:28 4 4 install the turbines with floating barges. 16:14:29 because I want to get you out of here so you can 16:15:31 5 5 Q. So your issue is really -- you 16:14:32 catch your -- so you can catch your plane. 16:15:35 6 6 16:14:34 And the first question is: I want to 16:15:37 personally have an issue with the technology that 7 7 the experts are saying can be used in this case, 16:14:36 understand because I was a little uncertain in 16:15:44 8 that's the nub of the concern that you have? 16:14:39 8 reading your report. 16:15:46 9 9 A. No, Sgurr is saying that there are 16:14:42 A lot of the concerns you raise, you 16:15:47 10 vessels that could do the job and they potentially 16:14:45 10 focus on the period of 2011, 2012, but I take it, 16:15:50 11 were available at the time. When you look backwards 16:14:47 11 because, of course, in the damages analysis side of 16:15:59 12 and say, "Were they available then for two years 12 this case, Windstream is arguing that there should 16:16:01 16:14:49 13 later, some of them still were at the time." So, 13 16:14:53 be a DCF approach. 16:16:05 14 14 yes, if you pay the reservation payments you could 16:14:55 So, for example, financial close is in 16:16:07 15 15 have gotten these vessels. 16:14:58 February of 2014. And when you're providing 16:16:14 16 16 Were your investors willing to pay the 16:15:00 information about, for example, what the situation 16:16:16 17 17 10 or 20 million willing to book these options at was in 2011, 2012, with respect to banks, is your 16:16:19 16:15:03 18 that time, two years before or one-year before 16:15:07 18 focus then as to how banks would perceive the 16:16:25 19 financial close or two years before actually 19 project in 2011 and 2012? I assume it is. 16:16:27 16:15:09 20 20 building the project? That is not a simple business 16:15:10 A. Well, I mean there are a number of 16:16:32 21 situation decision. 16:15:13 21 dates that have been floating around in this 16:16:35 22 22 So saying that it's feasible and 16:15:13 project. At this stage of the block when it was in 16:16:37 23 23 actually doing it, and then enforcing and signing 16:15:16 2011, 2012, it is logical to look at what we have 16:16:40 24 the contracts and paying to make it happen were 24 happened in there hadn't been the moratorium. 16:16:43 25 enough buffers and enough comfort that it's going to 16:15:22 25 Contracts might have been negotiated -- I was too 16:16:50 Page 294 Page 295 1 1 far from the microphone. 16:16:53 any better with a different timeframe, so ... 16:17:55 2 2 Q. Sorry. You can finish up. 16:16:55 Q. No, I simply wanted to clarify 16:17:57 3 A. I mean I'm happy to give you the 16:16:58 3 what your understanding was when you were you wrote 16:17:59 4 same opinion for 13 or 14 or 12. You can't move the 16:16:59 4 the report? 16:18:01 5 goals for different question using different dates 16:17:04 5 A. I'm trying to be consistent for, 16:18:02 6 for different question. 6 no moratorium, moving forward, getting its permits, 16:18:03 7 I've tried to answer things on the 7 negotiating its contracts as per the time schedule 16:18:07 16:17:07 8 8 consistent schedule for the project from where it 16:17:09 that you've suggested. I think in the ... 16:18:09 9 was in 2010 and 2011 when it was stopped in its 9 Q. And I have one other -- one other 16:18:11 16:17:11 10 10 tracks. What would have happened if it hadn't been 16:17:15 question. And, again, I'll just try to be very 16:18:14 11 11 stopped in its tracks? It would have negotiated the 16:17:18 efficient here. 16:18:17 12 12 turbine contracts in '11 or '12, and it would have 16:17:20 On your list -- I'm going to list 16:18:18 13 13 various parts of your report that rely on negotiated the financing in '13. 16:17:23 16:18:21 14 14 So it's that general period of time 16:17:25 information that hasn't been disclosed and 16:18:23 15 that you look at, but if you want to talk about 15 I appreciate that it's -- you've -- you've said it's 16:18:24 16:17:27 16 16 today, I can. If you want to talk about 2010, 16:17:29 because of third-party confidentiality, but I just 16:18:29 17 17 want to identify some areas. And I don't -- they 16:18:30 18 I have -- different but we can't talk 16:17:32 18 may not be totally comprehensive, but I've tried to 16:18:33 19 about different time periods for different parts of 16:17:35 19 do my best to identify them. 16:18:35 20 the questioning. It just needs to be consistent as 16:17:38 20 There is a table at paragraph 26. 16:18:37 21 a whole. So I think my answers are consistent 21 16:17:40 16:18:42 There is --22 22 A. Yeah. That's my own best vis-a-vis the project. 16:17:46 16:18:48 23 23 If you tell me that's not the right 16:17:47 estimates from my knowledge of the market. 16:18:51 24 24 date, then we can adopt the answers to the relevant 16:17:49 Q. And there is also a range of 16:18:53 25 timeframe, but I'm not sure you'll like the answers 16:17:51 25 values expressed in paragraph 37. 16:18:54

	Page 296		Page 297
1	A. Yep. 16:19:08	1	A. All the transaction information 16:20:25
2	Q. And feel free, if you want to 16:19:10	2	which is specified in annex 3, that is all public 16:20:27
3	comment on these, but my main, given the time thing, 16:19:12	3	and the links are provided. And it is actually 16:20:30
4	is just to get these on the record. 16:19:15	4	consistent with the deal information from your own 16:20:33
5	A. That is 100, to 200,000 Euro 16:19:17	5	experts, so I don't think these would be 16:20:36
6	megawatt that I've given for permitted projects, 16:19:21	6	controversial. 16:20:38
7	yes, applied to 300-megawatts. 16:19:23	7	The tables and the graphs are for the 16:20:38
8	Q. And then at paragraph 40, you've 16:19:27	8	project value. That's our best estimate as 16:20:41
9	got in the very last bullet, which is the top of 16:19:29	9	an expert. You ask me what's my view on the market? 16:20:44
10	page 15, you've got information about about the 16:19:33	10	That's my view on the market. So that's absorbing 16:20:48
11	market standard at the time for pricing of debt. 16:19:37	11	25 different transactions and giving you one number. 16:20:50
12	And, again, that's another paragraph where, at 16:19:41	12	That's basically it. 16:20:53
13	least 16:19:45	13	Q. And with respect to the past 16:20:54
14	A. I'm sorry, a lot of information 16:19:47	14	transactions, you're saying that all the 16:20:57
15	that is semi-public. It is leaked in professional 16:19:48	15	information like in annex 3, it is all available 16:21:00
16	publications so it could be confirmed. 16:19:52	16	on those websites? 16:21:03
17	Q. And then from pages 26 to 32, 16:19:58	17	A. All the links are provided. 16:21:05
18	there is this is you've got a lot of 16:20:03	18	Q. Including the permitting 16:21:06
19	comparable information and really this applies to 16:20:06	19	information and all of those details? I say this 16:21:07
20	all your charts and many paragraphs here as well as 16:20:10	20	only because we've reviewed the links and in all 16:21:12
21	more details in annex 3. 16:20:14	21	honesty, we can't find that information on those 16:21:15
22	And it looks to us that some of this 16:20:16	22	links. That's why we asked for that information. 16:21:19
23	information, a limited amount is available publicly, 16:20:18	23	A. No, that was actually selected by 16:21:21
24	but most of it is confidential information, I assume 16:20:19	24	an intern that didn't know anything about offshore 16:21:23
25	from your 16:20:24	25	window. It should be in there. 16:21:26
	Page 298		Page 200
	1 age 270		Page 299
1	•	1	
1 2	Q. On paragraph 16:21:29	1 2	A. I'm not being 16:22:29
	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30		A. I'm not being 16:22:29 Q. You are the witness that is 16:22:30
2	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33	2	A. I'm not being - 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31
2	 Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 	2 3	A. I'm not being 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33
2 3 4	 Q. On paragraph - 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 	2 3 4	A. I'm not being 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34
2 3 4 5	 Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 	2 3 4 5	A. I'm not being 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35
2 3 4 5 6	 Q. On paragraph - 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 	2 3 4 5 6	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36
2 3 4 5 6 7	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47	2 3 4 5 6 7	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38
2 3 4 5 6 7 8	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47	2 3 4 5 6 7 8	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36
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2 3 4 5 6 7 8 9	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49	2 3 4 5 6 7 8 9	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44
2 3 4 5 6 7 8 9 10	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51	2 3 4 5 6 7 8 9 10	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47
2 3 4 5 6 7 8 9 10 11	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56	2 3 4 5 6 7 8 9 10 11	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47
2 3 4 5 6 7 8 9 10 11 12 13	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57	2 3 4 5 6 7 8 9 10 11 12	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00	2 3 4 5 6 7 8 9 10 11 12 13	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:07	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54 Q. And then, at paragraph 143 you 16:22:56
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:07 Q. And our concern is simply that we 16:22:10	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:56 talk, in general, about your involvement in North 16:23:06
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:10 don't have the underlying data so our experts can 16:22:11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:56 talk, in general, about your involvement in North 16:23:06 American projects. And, again, no specific 16:23:10
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:10 don't have the underlying data so our experts can 16:22:11 assess what you're saying here. 16:22:14	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54 Q. And then, at paragraph 143 you 16:22:56 talk, in general, about your involvement in North 16:23:10 information about what you're saying here and what 16:23:13
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:10 don't have the underlying data so our experts can 16:22:11 assess what you're saying here. 16:22:14 A. I'm sure Sgurr has the same 16:22:16	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54 Q. And then, at paragraph 143 you 16:22:56 talk, in general, about your involvement in North 16:23:10 information about what you're saying here and what 16:23:13 the attempts were so. 16:23:15
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:07 Q. And our concern is simply that we 16:22:10 don't have the underlying data so our experts can 16:22:11 assess what you're saying here. 16:22:14 A. I'm sure Sgurr has the same 16:22:16 numbers somewhere. Subject to the same 16:22:20 confirmed because they've been involved in many of 16:22:22	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54 Q. And then, at paragraph 143 you 16:22:56 talk, in general, about your involvement in North 16:23:06 American projects. And, again, no specific 16:23:10 information about what you're saying here and what 16:23:13 the attempts were so. 16:23:15 A. Well, we've been involved in 16:23:17 pretty much all the projects that have been done 16:23:29 anywhere in the US, and all of these have bid for 16:23:22
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. On paragraph — 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines — 16:21:47 A. Yes. 16:21:47 Q. — in this particular period and, 16:21:49 again, we — we'd asked for — 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:07 Q. And our concern is simply that we 16:22:10 don't have the underlying data so our experts can 16:22:11 assess what you're saying here. 16:22:14 A. I'm sure Sgurr has the same 16:22:16 numbers somewhere. Subject to the same 16:22:20 confirmed because they've been involved in many of 16:22:22 these negotiations as well or Mott. 16:22:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54 Q. And then, at paragraph 143 you 16:22:56 talk, in general, about your involvement in North 16:23:06 American projects. And, again, no specific 16:23:10 information about what you're saying here and what 16:23:13 the attempts were so. 16:23:15 A. Well, we've been involved in 16:23:17 pretty much all the projects that have been done 16:23:29 anywhere in the US, and all of these have bid for 16:23:25 EOD grant money in 2013 and 2014. 16:23:25
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. On paragraph 16:21:29 A. You didn't hear that, by the way. 16:21:30 (LAUGHTER) 16:21:33 Q. Paragraph 116. 16:21:34 A. I checked it. 16:21:35 Q. Sir, paragraph 116. I just did 16:21:38 another example here. You're talk about prices for 16:21:44 turbines 16:21:47 A. Yes. 16:21:47 Q in this particular period and, 16:21:49 again, we we'd asked for 16:21:51 A. I've negotiated turbine contracts 16:21:56 with a number of projects. I know the numbers. 16:21:57 Each one is individually confidential. So, I can 16:22:00 give an aggregate, an average or qualitative 16:22:03 comments like this. I can't give you the numbers. 16:22:07 Q. And our concern is simply that we 16:22:10 don't have the underlying data so our experts can 16:22:11 assess what you're saying here. 16:22:14 A. I'm sure Sgurr has the same 16:22:16 numbers somewhere. Subject to the same 16:22:20 confirmed because they've been involved in many of 16:22:22	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I'm not being — 16:22:29 Q. You are the witness that is 16:22:30 putting out this information, sir. 16:22:31 A. I stand by it (Simultaneous 16:22:33 speakers - unclear) I can tell you which of the 16:22:34 contracts I've negotiated. 16:22:35 If you want I can do a list but 16:22:36 I won't be able to give you the individual prices 16:22:38 without the approval of both the turbine supply and 16:22:41 the project, because that's confidential commercial 16:22:44 information. 16:22:47 Q. And our — 16:22:47 A. But I'm giving you the qualitative 16:22:48 assessment of this and what's — yeah, upon my 16:22:50 honour and conscience. 16:22:54 Q. And then, at paragraph 143 you 16:22:56 talk, in general, about your involvement in North 16:23:06 American projects. And, again, no specific 16:23:10 information about what you're saying here and what 16:23:13 the attempts were so. 16:23:15 A. Well, we've been involved in 16:23:17 pretty much all the projects that have been done 16:23:29 anywhere in the US, and all of these have bid for 16:23:22

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1	We've seen their preliminary turbine supply offers 16:23:30	1	A. That one is pretty much public. 16:24:50
2	to LEEDco, Baryonyx in Texas, Fishermen's. 16:23:33	2	I mean, you can dig it up. 16:24:52
3	16:23:36	3	Q. And then the same with respect to 16:24:55
4	We were more recently on the Delaware 16:23:38	4	the contingency budget information in a number of 16:24:58
5	project. Deepwater we were with Cape Wind, so, 16:23:42	5	the tables. 16:25:01
6	yes, we were with most of them. 16:23:44	6	I take it that a lot of that is also 16:25:01
7	Q. As I say, I'm going through the 16:23:48	7	confidential information? 16:25:04
8	record so the Tribunal knows the area of concern, 16:23:50	8	A. I can give you big database of 16:25:05
9	and this one we've just talked about which is just 16:23:51	9	professional press articles on these deals, which 16:25:07
10	a repeat on paragraph my apologies. This is 16:23:54	10	I do have, and most of that information will not be 16:25:10
11	a different 16:24:01	11	official, but that's what has leaked outside, so 16:25:12
12	Paragraph 148, there is information 16:24:02	12	there is a lot of debt data outside. 16:25:17
13	here about the two times multiple that you had 16:24:05	13	Q. Just for the record, we asked you 16:25:19
14	described in your opening statement. Again, that's 16:24:08	14	to provide us with this information, and I'm not 16:25:20
15	just another area in which we're not able to get the 16:24:11	15	saying that you don't have your reason for not 16:25:30
16	information underlying your opinion. 16:24:18	16	providing it, but we haven't been provided with 16:25:31
17	A. Well, you tell me to ask Sgurr 16:24:21	17	information for you to test that. 16:25:34
18	about whether vessels apply, and you ask me about 16:24:24	18	A. All of that information is 16:25:36
19	what investors are looking for. That's my expert 16:24:27	19	confidential. Like I said, it has been published in 16:25:37
20	opinion of what investors would be looking for to 16:24:37	20	the trade press but it is leaked. It is not 16:25:41
21	invest at that phase of project. 16:24:39	21	officially confirmed by the projects or the banks, 16:25:43
22	Q. And finally, with respect to 16:24:41	22	but I can give you the articles. If you I will 16:25:45
23	this this is just a repeat of what we had before. 16:24:41	23	coordinate with Canada counsel to provide all the 16:25:49
24	Paragraph 150, the last bullet, again, talks about 16:24:45	24	relevant copies of articles, from 16:25:52
25	the debt pricing information? 16:24:47	25	Q. I think in that case you might 16:25:55
	Page 302		Page 303
1	truly miss your plane flight. 16:25:57	1	contractor would play? 16:27:41
2	A. I am not going to do this now, but 16:25:59	2	A. They don't supply the turbines and 16:27:43
3	if you ask for it, we can coordinate to make it 16:26:01	3	then they don't supply the operations and 16:27:44
4	happen for sure. 16:26:04	4	maintenance for the turbines. That's still 16:27:46
5	MR. TERRY: I am done, subject to 16:26:11		
6		5	a Siemens contract. 16:27:47
-		5 6	
7	quickly checking with my client to make sure there 16:26:13		
8	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15	6	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50
	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15	6 7	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50
8	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58	6 7 8	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52
8 9	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58	6 7 8 9	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52
8 9 10	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58	6 7 8 9 10	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59
8 9 10 11	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00	6 7 8 9 10	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03
8 9 10 11 12	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03	6 7 8 9 10 11 12	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05
8 9 10 11 12 13	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03	6 7 8 9 10 11 12 13	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10
8 9 10 11 12 13	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:05 Q. And what was the role they were 16:27:08	6 7 8 9 10 11 12 13 14	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08
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8 9 10 11 12 13 14 15	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10	6 7 8 9 10 11 12 13 14 15	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14
8 9 10 11 12 13 14 15 16	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10 something else? 16:27:14	6 7 8 9 10 11 12 13 14 15 16	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17
8 9 10 11 12 13 14 15 16 17	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or something else? 16:27:14 A. Balance of plant. They do 16:27:15	6 7 8 9 10 11 12 13 14 15 16 17	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17 PRESIDENT: You are not familiar with 16:28:18
8 9 10 11 12 13 14 15 16 17 18	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10 something else? 16:27:14 A. Balance of plant. They do 16:27:15 everything but supply the turbines. So they procure 16:27:17	6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17 PRESIDENT: You are not familiar with 16:28:18 it? So you haven't been able to compare whether it 16:28:19
8 9 10 11 12 13 14 15 16 17 18 19 20	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10 something else? 16:27:14 A. Balance of plant. They do 16:27:15 everything but supply the turbines. So they procure 16:27:17 the foundations. They install them. They procure 16:27:22	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17 PRESIDENT: You are not familiar with 16:28:18 it? So you haven't been able to compare whether it 16:28:19 is similar to the FIT contracts in Europe? 16:28:26
8 9 10 11 12 13 14 15 16 17 18 19 20 21	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10 something else? 16:27:14 A. Balance of plant. They do 16:27:15 everything but supply the turbines. So they procure 16:27:17 the foundations. They install them. They procure 16:27:22 the offshore substations, two of them. They install 16:27:25	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17 PRESIDENT: You are not familiar with 16:28:18 it? So you haven't been able to compare whether it 16:28:19 is similar to the FIT contracts in Europe? 16:28:26 THE WITNESS: I have not. I'm it 16:28:29
8 9 10 11 12 13 14 15 16 17 18 19 20 21	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10 something else? 16:27:14 A. Balance of plant. They do 16:27:15 everything but supply the turbines. So they procure 16:27:17 the foundations. They install them. They procure 16:27:25 them. They procure the cables and install them. 16:27:29	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FIT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17 PRESIDENT: You are not familiar with 16:28:18 it? So you haven't been able to compare whether it 16:28:19 is similar to the FIT contracts in Europe? 16:28:26 THE WITNESS: I have not. I'm it 16:28:29 looks like a solid enough contract to be the basis 16:28:32
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	quickly checking with my client to make sure there 16:26:13 is no other matter that. I will just gather my 16:26:15 materials. Sorry, sorry. 16:26:43 BY MR. TERRY: 16:26:58 Q. Just one question of 16:26:58 clarification. 16:27:00 In the Van Oord situation, was that 16:27:00 the Gemini project they were involved in? 16:27:03 A. So page 7 of Tab 8, yes. 16:27:05 Q. And what was the role they were 16:27:08 serving? Were they like an EPC contractor or 16:27:10 something else? 16:27:14 A. Balance of plant. They do 16:27:15 everything but supply the turbines. So they procure 16:27:17 the foundations. They install them. They procure 16:27:25 them. They procure the cables and install them. 16:27:29 And they actually install the turbines as well. 16:27:32	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Okay, thanks for that 16:27:49 clarification? 16:27:50 PRESIDENT: Any questions from 16:27:51 redirect? 16:27:52 MR. SPELLISCY: Well I think I am 16:27:59 going to have a process issue to discuss after this, 16:28:03 but I think out of respect for Mr. Guillet, we will 16:28:05 accede our time to the Tribunal. 16:28:08 PRESIDENT: The Tribunal does have 16:28:10 a couple of questions about the you have reviewed 16:28:11 the FTT contract in this case? 16:28:14 THE WITNESS: No, I have not. 16:28:17 PRESIDENT: You are not familiar with 16:28:18 it? So you haven't been able to compare whether it 16:28:19 is similar to the FTT contracts in Europe? 16:28:26 THE WITNESS: I have not. I'm it 16:28:29 looks like a solid enough contract to be the basis 16:28:32 for project in the financing so 16:28:36

	Page 304	Page 3	305
1	used actually as a model for drafting purposes 16:28:44	grid connection guarantee since, and there's been 16:29:45	.
2	or 16:28:46	2 a new ration - 16:29:49	,
3	THE WITNESS: I don't know, no. 16:28:47	PRESIDENT: Because in Europe - 16:29:52	
4	PRESIDENT: Are you aware of whether 16:28:50	4 apologies. 16:29:52	
5	there have been any transactions of FIT or FIT 16:28:51	5 THE WITNESS: So at that time, there 16:29:54	
6	contracts as such, as contracts in Europe, whether 16:28:56	was no doubt about the grid connection so they had 16:29:	54
7	there has been transactions in terms of assignment 16:28:59	7 the full package. So you could say they were 16:29:57	
8	or sales 16:29:04	8 permitted or at a predictable stage of the process, 16:29:59)
9	THE WITNESS: Based on projects that 16:29:08	so you could argue that they were reasonably close. 16:30:	04
10	have as their main asset a 16:29:09	The Nördlicher Grund project, the PNE 16:30:07	
11	PRESIDENT: Where the only asset is 16:29:11	wind project that I mentioned in my expert report 16:30:1	1
12	the contract? 16:29:12	would correspond reasonably well to the stage of 16:30:1	
13	THE WITNESS: Well, you could argue 16:29:13	this project, and the value is 100,000 per megawatt. 16:30:1	17
14	that projects in jurisdictions where you have 16:29:14	So, to me, they are relevant 16:30:21	
15	a Feed-in-Tariff by law, it is essentially similar. 16:29:16	precedents and comparables, yes. 16:30:23	
16	If you build your project, you are guaranteed 16:29:21	PRESIDENT: And yet, in a sense, the 16:30:26	
17	a tariff and the volumes. 16:29:23	difference between Europe and this particular 16:30:27	
18	Any offshore project in Germany, so 16:29:24	contract is that in Europe, the assets are by law or 16:30:29	
19	you've had early development projects in Germany 16:29:27	regulations whereas here it's in the contract, it's 16:30:33	
20 21	that have changed hands, and I think there is a list 16:29:30 in my reports of these early projects. 16:29:33	a term in the contract? 16:30:35 THE WITNESS: And you can haggle as to 16:30:	27
22	in my reports of these early projects. 16:29:33 And they have these valuations below 16:29:34	THE WITNESS: And you can haggle as to 16:30: which one is best, and it depends on which country 16:30:	
23	the 100,000-megawatt range, because they're and 16:29:36	23 and the actual counter-party for the payment is. 16:30:40	
24	some of these actually have a zone, so they have 16:29:40	24 But fundamentally, they mitigate that payment risk 16:30:4	
25	a permit and a zone, and at the time they had the 16:29:42	over the long term, so you have no price term and no 16:30:	
	Page 306	Page 3	307
1	volume risk for the duration of the tariff regime. 16:30:50	THE WITNESS: Sorry we had to rush 16:31:55	
2	volume risk for the duration of the tariff regime. 16:30:50 PRESIDENT: So from a financing 16:30:57	THE WITNESS: Sorry we had to rush 16:31:55 last minute. I mean, I warned my 16:31:56	
2	volume risk for the duration of the tariff regime. 16:30:50 PRESIDENT: So from a financing 16:30:57 perspective what kind of contract would be more 16:30:58	THE WITNESS: Sorry we had to rush 16:31:55 last minute. I mean, I warned my 16:31:56 PRESIDENT: It's not your fault. It's 16:31:58	
2 3 4	volume risk for the duration of the tariff regime. 16:30:50 PRESIDENT: So from a financing 16:30:57 perspective what kind of contract would be more 16:30:58 valuable on the market? 16:30:58	THE WITNESS: Sorry we had to rush 16:31:55 last minute. I mean, I warned my 16:31:56 PRESIDENT: It's not your fault. It's 16:31:58 not your fault. Thank you very much. 16:32:00	
2 3 4 5	volume risk for the duration of the tariff regime. 16:30:50 PRESIDENT: So from a financing 16:30:57 perspective what kind of contract would be more 16:30:58 valuable on the market? 16:30:58 THE WITNESS: Both, they are all 16:31:06	THE WITNESS: Sorry we had to rush 16:31:55 last minute. I mean, I warned my 16:31:56 PRESIDENT: It's not your fault. It's 16:31:58 not your fault. Thank you very much. 16:32:00 I suggest we break now. Just by way 16:32:35	5
2 3 4 5 6	volume risk for the duration of the tariff regime. 16:30:50 PRESIDENT: So from a financing 16:30:57 perspective what kind of contract would be more 16:30:58 valuable on the market? 16:30:58 THE WITNESS: Both, they are all 16:31:06 bankable. In Europe you have six different regimes. 16:31:06	THE WITNESS: Sorry we had to rush 16:31:56 last minute. I mean, I warned my 16:31:56 PRESIDENT: It's not your fault. It's 16:31:58 not your fault. Thank you very much. 16:32:00 I suggest we break now. Just by way 16:32:35 of a reminder, the parties actually agreed before 16:32:38	5
2 3 4 5 6 7	volume risk for the duration of the tariff regime. 16:30:50 PRESIDENT: So from a financing 16:30:57 perspective what kind of contract would be more 16:30:58 valuable on the market? 16:30:58 THE WITNESS: Both, they are all 16:31:06 bankable. In Europe you have six different regimes. 16:31:06 They're all different in various ways, and they have 16:31:10	THE WITNESS: Sorry we had to rush 16:31:56 last minute. I mean, I warned my 16:31:56 PRESIDENT: It's not your fault. It's 16:31:58 not your fault. Thank you very much. 16:32:00 I suggest we break now. Just by way 16:32:35 of a reminder, the parties actually agreed before 16:32:38 the conference call or prehearing conference that we 16:32:	5
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1	hours, basically left, so let's break for let's 16:33:31	1	we understood there's been a change in the order, so 16:47:43
2	break for 10 minutes, and we continue at 4:42. 16:33:37	2	just to make sure that I'm addressing the right 16:47:46
3	MR. TERRY: Just so you know, there 16:33:43	3	person, it will be Ms. Wallace. 16:47:48
4	has been a slight shift in order. Ms. Wallace will 16:33:44	4	THE WITNESS: Yes, sir. 16:47:50
5	come up before Ms. Dumais. 16:33:49	5	PRESIDENT: Good afternoon, 16:47:51
6	PRESIDENT: Thank you. 16:33:52	6	Ms. Wallace. 16:47:52
7	Recess taken at 4:33 p.m. 16:41:16	7	THE WITNESS: Good afternoon. 16:47:53
8	Upon resuming at 4:42 p m. 16:41:56	8	PRESIDENT: Can I please ask you to 16:47:56
9	MR. SPELLISCY: Mr. President, before 16:47:05	9	state your full name for the record and then read 16:47:57
10	the break, I know that I'd like to make a procedural 16:47:06	10	the declaration of fact witness that you have in 16:47:59
11	point. I know the Tribunal has a 6:30 deadline, so 16:47:09	11	front of you. 16:48:01
12	would propose I save it for tomorrow morning, and 16:47:13	12	THE WITNESS: Okay. My name is Marcia 16:48:02
13	I'm happy to make it them so we can keep on track. 16:47:15	13	Lynn Wallace. I solemnly declare upon my honour and 16:48:04
14	Tonight, it's not anything that will affect the rest 16:47:15	14	conscience that in my evidence before this Tribunal, 16:48:09
15	of the schedule today, if that's acceptable. 16:47:17	15	I shall speak the truth, the whole truth and nothing 16:48:13
16	PRESIDENT: There is a procedural 16:47:20	16	but the truth. 16:48:14
17	point to be made relating to the hearing of today? 16:47:22	17	AFFIRMED: MARCIA WALLACE 16:48:14
18	MR. SPELLISCY: Relating to the 16:47:25	18	PRESIDENT: Thank you very much. 16:48:16
19	testimony and some of the questioning today, yes. 16:47:26	19	You have submitted two witness 16:48:16
20	PRESIDENT: Okay. Let's see if we 16:47:28	20	statements in this proceeding, the first one dated 16:48:19
21	have time at the end of the day. We can deal with 16:47:29	21	January 20th, 2015, signed on January 9, 2015, and 16:48:28
22	it then, if it's not so time sensitive that it can 16:47:35	22	the second one November 5, 2015; that's correct? 16:48:34
23	wait. 16:47:41	23	THE WITNESS: That's correct. 16:48:39
24	MR. SPELLISCY: It can wait. 16:47:42	24	PRESIDENT: And you confirm these are 16:48:40
25	PRESIDENT: Okay. So very good. And 16:47:43	25	your statements? 16:48:41
	Page 310		Page 311
1	_	1	•
1 2	THE WITNESS: I do. 16:48:42	1 2	page going forward. 16:49:44
	THE WITNESS: I do. 16:48:42 PRESIDENT: Do you confirm the 16:48:43		page going forward. 16:49:44 MR. TERRY: And I guess we'll have to 16:49:48
2	THE WITNESS: I do. 16:48:42 PRESIDENT: Do you confirm the 16:48:43 contents of this statement? 16:48:44	2	page going forward. 16:49:44 MR. TERRY: And I guess we'll have to 16:49:48 see how the examination goes. I may have a concern, 16:49:50
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Page 312 Page 313 1 1 16:52:16 from my home ministry at the time, which was the 16:51:04 program design and development, the policy end of 2 2 what was the renewable -- became the renewable 16:52:20 Ministry of Municipal Affairs and Housing, expressly 16:51:06 3 3 to help with the development of the Ministry energy approval and all the subsequent guidance and 16:52:24 16:51:11 4 4 16:52:28 environment's response or piece of what would later 16:51:12 discussion out of that. 5 5 become the Green Energy Act. 16:51:16 So it was my team that would have 16:52:29 6 6 Q. Thank you. And as was mentioned, 16:51:21 reviewed the 1,400 or so comments we got back from 16:52:31 7 you were not sequestered during Ms. Powell's 7 the EBR posting, the proposal notice on offshore. 16:52:35 16:51:23 8 testimony and had the benefit of hearing her 8 The comments for the offshore proposal 16:52:40 16:51:28 9 9 testimony earlier today. 16:51:30 were interesting, in my mind, because they were more 16:52:42 10 A. Uh-hmm. 16:51:32 10 broad-based and different than the kinds of comments 16:52:47 11 Q. Do you recall that she suggested 16:51:32 11 we got related to wind in the original renewable 16:52:49 12 12 that the comments that MOE received from the public 16:51:34 energy approval. 16:52:52 13 in response to the five-kilometre setback proposal 16:51:38 13 People were very concerned, or those 16:52:53 14 14 that was made on June 25th, 2010 related primarily 16:51:43 who were concerned were very focused on a wide range 16:52:55 15 15 to noise? 16:51:46 of issues, so wind was definitely in there. 16:52:59 16 16 A. I did hear her say that. 16:51:47 Probably about 20 per cent of those who responded 16:53:01 17 17 Q. Okay. Now, I understand that you 16:51:49 were concerned about wind and health, same kinds of 16:53:04 18 were actually involved -- according to your witness 16:51:51 18 issues they were raising related to noise on-shore. 16:53:07 19 statement, you were involved in reviewing the 19 Q. Dr. Wallace, if I can just 16:53:12 16:51:54 20 2.0 clarify. When you said "Concerned about wind," did 16:53:13 responses and that you're aware of the responses 16:51:58 21 that MOE received, and so I was wondering if you 21 you mean concerned about wind or concerned about 16:52:01 22 22 noise we were talking about? 16:53:17 could provide for the Tribunal any comment that you 16:52:05 23 23 have on her characterization of the responses that 16:52:07 A. Concerned about the noise that 16:53:18 24 MOE received? 16:52:12 24 wind turbines would generate. 16:53:20 25 A. Sure. So my role, I led the 16:52:14 25 Q. I see. 16:53:22 Page 314 Page 315 1 1 A. But the offshore feedback we got 16:53:23 consultation related to the renewable energy 16:54:51 2 2 was also quite broad. There was a equal number of 16:53:25 approval process in the beginning and the -- and the 16:54:53 3 concern. So as much as people raised noise as 16:53:31 3 feedback we got on on-shore wind in particular. 16:54:59 4 an issue, that same -- roughly that same amount were 16:53:35 4 Q. Thank you, Dr. Wallace. And do 16:55:02 5 raising -- we got the same amount of feedback for 16:53:39 5 16:55:03 you recall in your witness statement you cited to 6 a whole range of other things. 16:53:42 6 a document entitled "Preliminary Summary of EBR 7 7 Comments," Exhibit R-0421? What comes to mind as being some of 16:53:44 16:55:14 8 8 16:55:18 the strongest was bird and bat issues, generally, 16:53:47 A. What paragraph? 9 9 flying over the lakes and fish. Recreation was 16:53:54 Q. This is at paragraph 27 of your 16:55:18 10 10 a big issue. People were worried about boating and 16:54:01 witness statement. 16:55:20 11 11 beaches and the impact this would have. A big chunk 16:54:03 A. The first one? 16:55:21 12 12 Q. Yes, I apologize, the first of people were concerned about esthetics, just 16:54:06 16:55:22 13 13 didn't like the look of turbines and what that would 16:54:09 witness statement. 16:55:24 14 14 do to property equal values and whatnot. As well as 16:54:12 In footnote 41, and you'll see there 16:55:25 15 issues related to culture, concern about shipwrecks 16:54:18 15 you've referred us to Exhibit R-0421, and perhaps 16:55:33 16 16 and things like that? 16:54:21 I can ask my colleague Donnie to pull up this 16:55:37 17 17 So it was interesting to me that there 16:54:22 document on the screen. 16:55:40 18 18 was a broad set of issues and no single issue jumped 16:54:24 MR. TERRY: Ms. Wates, I'm happy to 16:55:45 19 19 to the fore. Some were concerned with drinking let you do that, but it is somewhat leading. But, 16:55:47 20 20 water. Nothing in -- they were all relatively the 16:54:31 you know, just go ahead in that perspective, if you 16:55:50 21 21 same in terms of the concerns environmental groups, 16:54:34 take the witness in examination-in-chief. 16:55:56 22 22 community groups, individuals were raising when they 16:54:41 (Simultaneous speakers - unclear) 16:55:57 23 23 raised concerns about offshore. 16:54:43 MS. WATES: I thought that this would 16:55:59 24 24 Noise did not dominate and that was 16:54:45 be a relevant document, considering that it relates 16:56:00 25 a very different pattern than when we did 16:54:48 25 specifically to comments received by MOE. 16:56:03

	Page 316		Page 317
1	MR. TERRY: It's fine. I don't have 16:56:05	1	what the diversity of opinions was. 16:57:24
2	an objection. I just ask for caution, so I don't 16:56:07	2	So 65 percent were in opposition, but 16:57:29
3	have to raise an objection how you frame the 16:56:10	3	it wasn't a monolith. They didn't all agree on why 16:57:32
4	question. 16:56:12	4	they were opposing or what they were concerned 16:57:36
5	MS. WATES: Absolutely. I'll try to 16:56:13	5	about. And so this part of the document breaks 16:57:38
6	improve in that regard. 16:56:16	6	down the by percentage, what they were really 16:57:40
7	BY MS. WATES: 16:56:18	7	opposed to and what they what they were thinking, 16:57:44
8	Q. Now, if we 16:56:21	8	or at least what they expressed to us. 16:57:47
9	MS. WATES: Can we pull up that 16:56:22	9	There was a chunk of the proposal 16:57:51
10	exhibit, Donnie? Sorry. 16:56:23	10	or pardon me, a chunk of the comments we received 16:57:54
11	BY MS. WATES: 16:56:25	11	that actually asked they're opposed to any 16:57:56
12	Q. So this is the exhibit you cited 16:56:30	12	development at all in the lakes, and asked for 16:58:00
13	to, R-0421. 16:56:31	13	a moratorium as part of their comments to us. 16:58:02
14	MS. WATES: If we could turn to 16:56:42	14	That was not what all of the 16:58:07
15	page 2. And just yeah, if we can blow that up. 16:56:43	15	respondents who opposed offshore, but it was 16:58:10
16	BY MS. WATES: 16:56:47	16	a sizeable chunk of the respondents who were opposed 16:58:12
17	Q. And just reviewing reviewing 16:56:53	17	to offshore. 16:58:15
18	this document and its contents, which you referred 16:56:57	18	Q. Okay, that's fine. 16:58:17
19	to in your witness statement, does that refresh your 16:57:01	19	MS. WATES: And out of just 16:58:20
20	memory as to any additional context on the concerns 16:57:04	20	considering my friend's concerns, I think we're done 16:58:24
21	that had been raised by the public during the 16:57:07	21	with this document, Donnie. Thank you. 16:58:28
22	consultation process? 16:57:10	22	BY MS. WATES: 16:58:30
23	A. So this document was created by 16:57:13	23	Q. Just one more question, which was: 16:58:31
24	staff to because there was so many comments to 16:57:14	24	Do you recall that Ms. Powell suggested that the MOE 16:58:37
25	help our senior management understand and break down 16:57:18	25	had not engaged in a consultation with the public 16:58:40
	Page 318		Page 319
1	Page 318 about the deferral decision? 16:58:46	1	Page 319 Ministry of Environment has been 17:00:00
1 2	•	1 2	
	about the deferral decision? 16:58:46		Ministry of Environment has been 17:00:00
2	about the deferral decision? 16:58:46 A. That she said that this morning? 16:58:52	2	Ministry of Environment has been 17:00:00 criticised in the past; was not criticised on this 17:00:02
2	about the deferral decision? 16:58:46 A. That she said that this morning? 16:58:52 Q. Uh-hmm. 16:58:54 A. Yes. 16:58:54 Q. Now, I understand that you're 16:58:57	2 3	Ministry of Environment has been 17:00:00 criticised in the past; was not criticised on this 17:00:02 file in terms of our transparency. 17:00:06 The way I look at it is the and we 17:00:10 were really conscious of this being a divisive issue 17:00:13
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2 3 4 5	about the deferral decision? 16:58:46 A. That she said that this morning? 16:58:52 Q. Uh-hmm. 16:58:54 A. Yes. 16:58:54 Q. Now, I understand that you're 16:58:57 familiar with the environmental registry 16:58:59 consultation process under the Environmental Bill of 16:59:01	2 3 4 5 6 7	Ministry of Environment has been 17:00:00 criticised in the past; was not criticised on this 17:00:02 file in terms of our transparency. 17:00:06 The way I look at it is the and we 17:00:10 were really conscious of this being a divisive issue 17:00:13 in the public and yet really important to the 17:00:17 government's agenda in terms of renewable energy. 17:00:21
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	Page 320		Page 321
1	just not do it at all. So we had a very diverse 17:01:17	1	BY MR. TERRY: 17:02:41
2	range of opinions coming back and that fed into the 17:01:20	2	Q. And just wondering Ms. Wallace 17:02:43
3	option development that eventually led to a decision 17:01:22	3	about this document. And for the record, I actually 17:02:45
4	for the deferral. 17:01:27	4	don't know what which probably won't surprise 17:02:47
5	So we did not post an EBR notice on 17:01:28	5	you, but I don't know what Exhibit No. this is. 17:02:49
6	the actual deferral, but I think that we got to that 17:01:33	6	MS. SQUIRES: R-0421. 17:02:56
7	place out of the process that had occurred and all 17:01:37	7	MR. TERRY: R-0421, okay. 17:02:57
8	the consultation that EBR posting allowed. And the 17:01:41	8	BY MR. TERRY: 17:03:00
9	feedback we got from it certainly informed some of 17:01:45	9	Q. In terms of looking at the numbers 17:03:00
10	the thinking. 17:01:48	10	who express opposition, you say that was that was 17:03:01
11	MS. WATES: Thank you, Dr. Wallace. 17:01:55	11	65 percent. And then you break it down by various 17:03:04
12	PRESIDENT: Thank you very much. 17:01:57	12	particular locations. Which of are any of those 17:03:10
13	And Mr. Terry. 17:01:57	13	locations close to the site of the where the 17:03:21
14	CROSS-EXAMINATION BY MR. TERRY: 17:02:11	14	Windstream was supposed to be or planned to be 17:03:21
15	Q. Good afternoon, Dr. Wallace. 17:02:12	15	built? 17:03:26
16	A. You don't have to call me "Dr." 17:02:13	16	A. So the I have to get used to 17:03:27
17	I'm a land use planner, I'm not a doctor. No one 17:02:13	17	two screens. 17:03:29
18	calls me "Dr." 17:02:17	18	Q. Sure. 17:03:29
19	Q. Ms. Wallace, is that 17:02:19	19	A. So the first one, 12 percent, is 17:03:29
20	A. Ms. Wallace is fine. 17:02:19	20	opposed to offshore in anywhere in the Great Lakes, 17:03:31
21	MR. TERRY: And could I, again, use 17:02:20	21	so that would apply. 17:03:33
22	Donnie's good offices, just to bring up that 17:02:22	22	The others I don't actually know 17:03:37
23	document again, the one that Ms. Wates had brought 17:02:24	23	where Pigeon Bay is, but the others are not are 17:03:40
24	up, if you could. Oh, you need to 17:02:29	24	not in the Kingston area. 17:03:45
25	[Pause] 17:02:39	25	Q. Okay. Just a moment. 17:03:47
	Page 322		Page 323
1	Page 322 MR. TERRY: We can take that down. 17:04:05	1	
1 2	MR. TERRY: We can take that down. 17:04:05	1 2	Page 323 that was staff were given from other areas and we 17:05:13 moved very quickly. I reported directly to the 17:05:17
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. TERRY: We can take that down. 17:04:05 I just wanted to go to that since it was already up. 17:04:06 BY MR. TERRY: 17:04:09 Q. So Ms. Wallace, if I can start, 17:04:11 just to understand then your role within within 17:04:13 the Ministry of the Environment, you started in 17:04:19 November 2008 as the first manager of renewable 17:04:25 energy; is that correct? 17:04:29 A. That's right. 17:04:30 Q. All right. And so you would be 17:04:30 reporting to who at the time? 17:04:37 A. I reported to the assistant deputy 17:04:38 minister, so it was basically like a special 17:04:39 project. 17:04:42 Q. Uh-hmm. 17:04:43 A. The government was moving very 17:04:43 quickly on the Green Energy project, which was going 17:04:45 to turn into a Bill in the House in January, and 17:04:47 they didn't have the resources internally to figure 17:04:51 out what would a proposal look like if they were to 17:04:59 that's about all I knew about the job, and I was 17:05:04	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that was staff were given from other areas and we 17:05:13 moved very quickly. I reported directly to the 17:05:17 assistant deputy minister. 17:05:20 As the project evolved, my secondment 17:05:21 was extended and then I was made permanent and 17:05:24 and through the development of the regulation which 17:05:26 eventually becomes the renewable energy approval. 17:05:32 Subsequent to that time period, I 17:05:37 Q. Listen, I don't just in the 17:05:41 interest of time, I'm just wondering as to what your 17:05:42 role was back in 2008 17:05:45 A. So I led the program development 17:05:48 and design of the regulation and then I carried 17:05:49 a that responsibility as I moved into a director 17:05:51 role that was broader, looking at modernising and 17:05:53 improving our permitting programs across, not just 17:05:57 renewable energy 17:06:03 Q. And just and when would you 17:06:03 have moved to that director role? 17:06:04 A. I just can't remember the date. 17:06:06 Q. Sure. 17:06:11 A. July 2010. 17:06:11

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1	renewable energy, and and to that date to 17:06:19	1	that the deferral had actually been lifted in 17:07:20
2	today, it still sits in that same branch. 17:06:21	2	February of 2008? 17:07:22
3	Q. Okay. And and did you did 17:06:25	3	A. You mean I'm not sure what 17:07:24
4	you still were you reporting to an ADM when 17:06:27	4	deferral you're referring to. 17:07:26
5	you were when you changed 17:06:31	5	Q. Okay. The 17:07:27
6	A. The same entity, yes. 17:06:32	6	A. You mean 17:07:28
7	Q. The same. And who was that? 17:06:33	7	Q. This is this is 17:07:29
8	A. Paul Evans. 17:06:34	8	Ministry of Natural Resources. 17:07:31
9	Q. Paul Evans, okay. 17:06:35	9	A. Natural Resources. I did 17:07:33
10	And who did Paul Evans report to? 17:06:37	10	I learned later on learned a lot more about the 17:07:35
11	A. The deputy minister. 17:06:40	11	MNR side of the permitting process, but at the time 17:07:38
12	Q. And who was that? 17:06:40	12	when I came in, that really wasn't my focus or where 17:07:41
13	A. Gail Beggs. 17:06:42	13	my attention was. 17:07:45
14	Q. Gail Beggs. 17:06:48	14	We were told that there would be 17:07:46
15	Now, just at the time that you 17:06:49	15	a Green Energy Act, that the intention of the 17:07:47
16	started, if you could go back to to 17:06:50	16	government was that part of that would include 17:07:53
17	November 2008, I take it you would have been aware 17:06:53	17	process improvements so that unnecessary delays did 17:07:55
18	at that time that the moratorium or deferral on 17:06:59	18	not hang up the the process and take so long for 17:07:58
19	offshore wind that had been in place from the MNR 17:07:04	19	proponents to move through the process. 17:08:02
20	had been lifted; correct? 17:07:07	20	And my instruction was "Find a way 17:08:05
21	A. Not in 2008. 17:07:08	21	that is environmentally protective of human health 17:08:07
22	Q. So 17:07:12	22	and the environment, but build us a different kind 17:08:11
23	A. I started in November 2008 before 17:07:13	23	of approval process that would better suit the 17:08:14
24	there is a Green Energy Act. 17:07:15	24	thinking that was going on under the Green Energy 17:08:20
25	Q. And were you aware that the 17:07:17	25	Act." 17:08:21
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1	•	1	
1 2	Q. So yeah. So my focus is just 17:08:22	2	sets out the shell, but the guts of it for the 17:09:37
3	in trying to understand because our hearing here 17:08:24 is about offshore wind and in so you didn't know 17:08:28	3	Ministry of Environment are done by regulation. And 17:09:39 that's all work we do between February and June, 17:09:44
4	about the lifting of the of the deferral, the MNR 17:08:33	4	when the proposal notice goes out, as a proposal of 17:09:46
5	deferral when you started, and then in 17:08:37	5	this is what we think the Reg will look like. 17:09:50
6	February 2009, that's when you get you'll recall 17:08:41	6	Here's how the there will be classes, including 17:09:53
7	that that's when we get the Act introduced into the 17:08:45	7	Class 5 offshore. 17:09:56
8	legislature, the Green Energy Act, and I assume 17:08:49	8	So it is I would say that our focus 17:09:57
9	you're aware of that at the time? 17:08:51	9	up to the legislation is to figure out what exactly 17:09:59
10	A. Yeah, I worked on MOE is part 17:08:52	10	are we proposing, which parts of the permitting 17:10:03
11	of that, yes. 17:08:56	11	process are we thinking about streamlining and under 17:10:07
12	Q. Right. And so you knew then that 17:08:57	12	that municipal land use planning approvals, the 17:10:11
13	it was that it was specifically stated that it 17:08:59	13	local approvals that were a big part of permitting 17:10:16
14	was going to include offshore wind? 17:09:03	14	before are removed for renewable energy. So it just 17:10:19
15	A. That's right. 17:09:05	15	sets out the shell of the structure and then the 17:10:22
16	Q. All right. And did you know at 17:09:05	16	guts of the actual rules come forward after that. 17:10:24
17	that time did you familiarize yourself at that 17:09:06	17	So, what MNR was doing or not doing 17:10:28
18	time with the fact that the MNR had lifted their 17:09:10	18	about site release wasn't relevant to the to that 17:10:30
1.0			
19	deferral and applicants had actually had a window 17:09:14	19	higger nicture re-think about how we would permit in 17:10:36
20	during 2008 to apply fore a site release, for Crown 17:09:18	19 20	bigger picture re-think about how we would permit in 17:10:36
20 21	during 2008 to apply fore a site release, for Crown 17:09:18 Land site release for offshore wind? 17:09:21	20	a from the Ministry of Environment in the absence 17:10:40
20 21 22	during 2008 to apply fore a site release, for Crown 17:09:18 Land site release for offshore wind? 17:09:21 A. So the site release process did 17:09:23	20 21	a from the Ministry of Environment in the absence 17:10:40 of local decision-making and in the absence of the 17:10:45
20 21 22 23	during 2008 to apply fore a site release, for Crown 17:09:18 Land site release for offshore wind? 17:09:21 A. So the site release process did 17:09:23 not impact the thinking around the permitting that 17:09:25	20	a from the Ministry of Environment in the absence 17:10:40 of local decision-making and in the absence of the 17:10:45 Environment Assessment Act. 17:10:48
20 21 22	during 2008 to apply fore a site release, for Crown 17:09:18 Land site release for offshore wind? 17:09:21 A. So the site release process did 17:09:23	20 21 22	a from the Ministry of Environment in the absence 17:10:40 of local decision-making and in the absence of the 17:10:45

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you were launching the Green Energy Act regulations, 17:10:57

	Page 328		Page 329
1	that Minister Cansfield, who was the MNR Minister at 17:11:04	1	Q. And so just in terms of I just 17:12:26
2	the time, had written to applicants who had applied 17:11:08	2	want to understand, when you you're working on 17:12:30
3	for Crown Land site release to say that if they 17:11:12	3	the Act, you know it's going to include offshore 17:12:34
4	had if they applied for FIT contract, they would 17:11:16	4	wind. And I appreciate that you might not have been 17:12:39
5	be getting priority over others who had applied for 17:11:18	5	following exactly the site release process at the 17:12:41
6	those Crown Land sites who didn't apply for the FIT 17:11:23	6	time, but did you and I'm trying to get a sense 17:12:43
7	contract? 17:11:28	7	as to when you at that time, in February 2009, 17:12:45
8	Were you aware of that? 17:11:29	8	did you have someone in your group who started 17:12:49
9	A. So at the time, I was not aware of 17:11:31	9	working on sort of offshore wind regulations at that 17:12:51
10	that particular letter. 17:11:32	10	time or coordinating with the MNR in that? 17:12:54
11	I've since read it in the record, 17:11:34	11	A. It was it was it was on the 17:12:58
12	but but I was aware, because all of us in who 17:11:36	12	list. We knew it was going to be a type of 17:13:01
13	were working on the regulation were aware. The 17:11:42	13	renewable that was going to be considered under 17:13:08
14	expectation was that FIT contracts would take 17:11:45	14	Green Energy and the Act generally, but as for what 17:13:12
15	precedence in in the processes. This was the 17:11:50	15	the rules would be and how much work was being done, 17:13:16
16	priority was to move FIT projects and we were 17:11:54	16	it was extremely early days. We focused heavily in 17:13:19
17	building a renewable energy process, an approval 17:11:57	17	solar and wind because there was a considerable 17:13:23
18	process that would work for FIT contracts. And 17:12:02	18	like on land-based wind, because that's where the 17:13:25
19	other ministries like MNR were similarly aligning 17:12:04	19	interest was; that's where all the pressure was 17:13:28
20	their processes because we were all trying to meet 17:12:07	20	coming from the development community, and a fair 17:13:31
21	two related objectives: Create conditions in the 17:12:11	21	bit of time around the complexity for the bio 17:13:34
22	province that would encourage renewable energy 17:12:16	22	facilities because there was a lot of pressure from 17:13:37
23	development and make sure that it was done in a way 17:12:20	23	the agricultural communities. They wanted a piece 17:13:40
24	that was protective of human health and the 17:12:23	24	of this. 17:13:43
25	environment. 17:12:25	25	So offshore was on the list, but we 17:13:43
	Page 330		Page 331
1	didn't have there was only a handful of 17:13:45	1	which year. 17:14:50
2	developers who were even or projects that were 17:13:49	2	THE WITNESS: Of 2010 I'm sorry, 17:14:52
3	even known. 17:13:51	3	2009, when the Bill comes out. 17:14:54
4	The ones we were aware of were nowhere 17:13:53	4	BY MR. TERRY: 17:14:55
5	near, like, real thinking about a project, from what 17:13:56	5	Q. All right. And so at that point, 17:14:55
6	we could tell, and so there wasn't the same 17:13:58	6	there would be no one assigned or no resources 17:14:56
7	pressure, to so we worked on the rules for the 17:14:01	7	assigned to to developing offshore wind at the 17:14:57
8	areas that had the greatest pressure. And at the 17:14:05	8	time? 17:15:02
9	time of the around February, when that I'll 17:14:08	9	A. Not in particular. Not 17:15:03
10	say I started in November. 17:14:11	10	specifically. We weren't we had the people 17:15:05
11	Q. Uh-hmm. 17:14:13	11	who were doing wind were looking at both land and 17:15:07
12	A. And four days later, I went to 17:14:14	12	water-based. So it was the team wasn't that big. 17:15:12
13	a senior management committee with a first cut about 17:14:15	13	Wasn't that everybody had a specialty. Certainly 17:15:16
14	what was our thinking about streamlining. 17:14:18	14	not until later did and when we started really 17:15:18
15	Like it was crazy fast, and so we were 17:14:20	15	digging in on the offshore requirements, closer to 17:15:22
16	lucky to get anything in that Bill and have a rough 17:14:23	16	the the lead-up to what becomes the offshore EBR 17:15:24
17	sense of what pieces would be retained and what 17:14:26	17	posting, that's when we start to put more dedicated 17:15:30
18	wouldn't. 17:14:29	18	resources to it, because it is the primary focus now 17:15:33
19	We certainly hadn't got to what would 17:14:30	19	because we have guidance on all the other types of 17:15:36
20	the rules look like. So for offshore, it was on the 17:14:33	20	undertakings. We don't have anything much beyond 17:15:39
21	list. We knew we had to come up with rules, but by 17:14:36	21	the Reg itself for offshore and that's when we start 17:15:42
22	February of that year, it was it wasn't even 17:14:38	22	to spend a lot more time in it. 17:15:47
23	started. 17:14:41	23	Q. Okay. So just to be clear, you 17:15:49
24	Q. So just and can you recall 17:14:41	24	say, it's on the list in February 2009. 17:15:51
25	MR. BISHOP: Sorry. By February of 17:14:50	25	A. Uh-hmm. 17:15:53

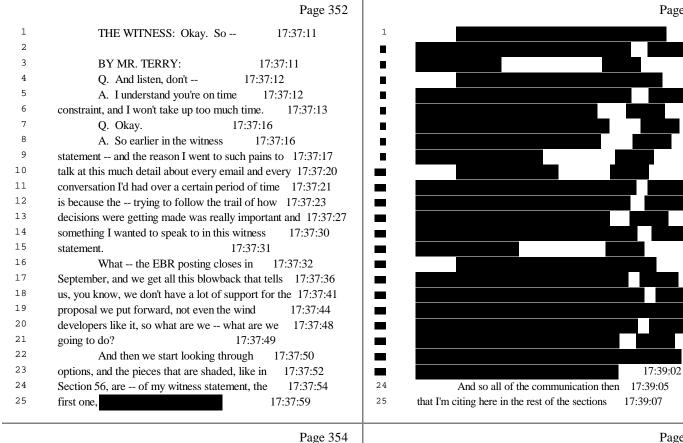
	Page 332		Page 333
1	Q. But no specific action taken, 17:15:54	1	Q. Or 2010? 17:17:04
2	right, at that time? And I'm trying to get a sense 17:15:57	2	A. As soon as the Bill is introduced, 17:17:07
3	of 17:16:01	3	we were working on what will then become the 17:17:09
4	A. But there wasn't specific action 17:16:01	4	regulation. And so what we work on related to 17:17:11
5	on the others either. Like all we have is a Reg 17:16:03	5	offshore is reflected in that EBR posting and the - 17:17:14
6	that is an umbrella shell that tells us which 17:16:07	6	and the related documents. 17:17:16
7	legislation will apply and or not apply. So the 17:16:09	7	Q. Okay. So at that point instead of 17:17:19
8	Planning Act will not apply. The Environmental 17:16:11	8	being on the list you actually are there's 17:17:20
9	Assessment Act will not apply. A new section will 17:16:12	9	there's some focus work that's being done in 17:17:22
10	be written into the Environmental Protection Act, 17:16:17	10	June 2009. 17:17:25
11	and that's the way that Bill was written. It was 17:16:18	11	A. Leading to June and made public in 17:17:26
12	pretty high level. 17:16:21	12	June. 17:17:28
13	Q. Sure. So when is it that you 17:16:22	13	Q. Okay. 17:17:29
14	actually start like someone is assigned in your 17:16:23	14	A. And that is the same time we do 17:17:29
15	office to actually start working on offshore - 17:16:26	15	any work on any of the undertakings. Offshore's not 17:17:31
16	A. So in February we start technical 17:16:31	16	unique in that way. It's the first time we do 17:17:33
17	meetings on all the types of undertakings. We group 17:16:33	17	anything on solar or bioenergy or anything. 17:17:36
18	wind for a long time we saw wind we would talk 17:16:36	18	We are between November and 17:17:38
19	about offshore as part of a land-based conversation. 17:16:40	19	January, you know, when we get through cabinet 17:17:40
20	We'd talk about both. We had we had evidence, 17:16:44	20	decision and it gets introduced in February in the 17:17:44
21	science-based workshops and public consultation, and 17:16:50	21	House, that Bill is just a shell. It's just the 17:17:47
22	that led to the June EBR posting that becomes the 17:16:53	22	legislative part. The actual technical requirements 17:17:50
23	proposal for the regulation. 17:16:57	23	for the undertakings, that's work we do in parallel 17:17:53
24	Q. Okay. So in June of 2009? 17:16:58	24	and then get going in earnest once the Bill is 17:17:57
25	A. Yes. 17:17:03	25	introduced and make that our first proposal where 17:18:01
	Page 334		Page 335
1	_	1	•
1 2	we're going to land with those requirements, becomes 17:18:04	1 2	requirements. 17:19:38
2	we're going to land with those requirements, becomes 17:18:04 the EBR posting of June in 2009. 17:18:06	2	requirements. 17:19:38 So in the end, we decide that we don't 17:19:38
2	we're going to land with those requirements, becomes 17:18:04 the EBR posting of June in 2009. 17:18:06 Q. Okay. And then and the reason 17:18:10	2 3	requirements. 17:19:38 So in the end, we decide that we don't 17:19:38 want to send the wrong signal, that the the Bill 17:19:40
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	we're going to land with those requirements, becomes 17:18:04 the EBR posting of June in 2009. 17:18:06 Q. Okay. And then — and the reason 17:18:10 I'm asking these questions is — is you say that 17:18:13 it's essentially — you're not ready in April of 17:18:17 2010 because you haven't expected to receive any 17:18:22 offshore wind applicants, and so I'm just trying to 17:18:28 understand when you did — what work you did do 17:18:33 before 2010. 17:18:38 Q. So, through 2009, our focus 17:18:41 internally was a big conversation about these really 17:18:46 large undertakings, like water power and offshore 17:18:50 wind. Did we know enough to — and are we going to 17:18:55 put them into the regulation. 17:18:59 And as my witness statement goes into, 17:19:01 we decide not to include offshore for a bunch of 17:19:03 reasons and — but I remember having a lot of 17:19:07 conversation around, what should we do with 17:19:12 offshore? Should we leave it outside of the 17:19:14 streamlined process entirely or do we — and let it 17:19:16 follow the EA rules, or do we bring it in and try 17:19:21 and streamline some of the process, like the 17:19:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	requirements. 17:19:38 So in the end, we decide that we don't 17:19:38 want to send the wrong signal, that the the Bill 17:19:40 spoke to offshore as part of this, so we want to 17:19:44 make sure there's a pathway for for people to 17:19:47 imagine how they could come in for an approval. So 17:19:49 we make it a class in the regulation, and we, sort 17:19:52 of, create the offshore wind report with its broad 17:19:55 and expansive descriptive qualities to basically be 17:20:00 a place to cover anything else that we later decide 17:20:05 is important. 17:20:09 It was such a broad description in 17:20:10 that report that pretty much everything would FIT in 17:20:12 it and we thought it would cover off that full 17:20:15 definition of environment, social, economic, 17:20:17 cultural, natural that comes from the Environmental 17:20:21 Assessment act that was imported into the Reg. So 17:20:24 we believe that report is broad enough to allow for 17:20:27 whatever we haven't figured out yet is going to be 17:20:29 important for offshore. 17:20:33 A. So we had an understanding that 17:20:34

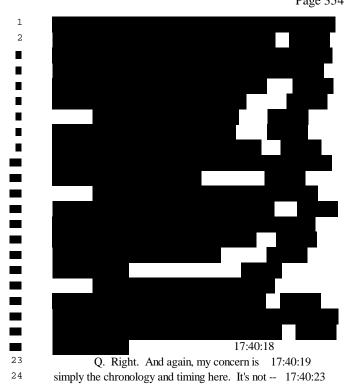
	Page 336		Page 337
1	create at least some information around how you 17:20:50	1	documents I'm just going to walk through the 17:22:13
2	would start to come through the process. 17:20:54	2	documents that you list here. I just really want to 17:22:14
3	Q. Okay. Listen, that helps clarify 17:20:56	3	confirm that I've got the chronology right. 17:22:17
4	my question as to the work that was done and how it 17:20:58	4	A. Okay. 17:22:21
5	was done. 17:21:02	5	Q. So you say in paragraph 55, you 17:22:21
6	I'd like to now turn to your witness 17:21:03	6	say "Later the same day" 17:22:26
7	statement, to a specific section which starts at 17:21:07	7	And this if I look back, it appears 17:22:34
8	paragraph 55. 17:21:13	8	that by "later the same day," you're talking about 17:22:34
9	A. Of the first one? 17:21:16	9	January are 5th of 2011? 17:22:35
10	Q. Yeah, the first one. And you've 17:21:17	10	A. Uh-hmm. 17:22:47
11	set out quite carefully here various steps that were 17:21:22	11	Q. You say: 17:22:47
12	taken and emails you were receiving over this 17:21:29	12	"Later the same day, we 17:22:48
13	this period; right? 17:21:34	13	learned of the briefing to be 17:22:50
14	A. Yeah. 17:21:35	14	presented by MEI, Ms. Zaveri 17:22:51
15	Q. And I take it in putting this 17:21:36	15	" 17:22:53
16	together you went back and examined your email 17:21:37	16	Who's an official from MEI. 17:22:53
17	records and your documents at the time to to be 17:21:40	17	"sent Mr. Boysen and me the 17:22:56
18	able to write what you put in here? 17:21:42	18	briefing deck and requested 17:22:57
19	A. That's correct. 17:21:48	19	comments." [As read] 17:22:58
20	Q. Okay. And are you satisfied that 17:21:48	20	And you cite to a document which is 17:23:01
21	you were able to retrieve all relevant emails and 17:21:53	21	R-017, so I've reproduced this. If you look at 17:23:03
22	correspondence at the time? 17:22:00	22	Tab 2 of the document book, you'll see that's R-197. 17:23:06
23	A. Absolutely. 17:22:01	23	And I understand you'll recognize this because 17:23:13
24	Q. Okay. Now, paragraph 55 and I 17:22:02	24	I know you spoke about this in your your witness 17:23:16
25	just I've got in your book. I've put the 17:22:09	25	statement. But I take it that this is Ministry of 17:23:19
	Page 338		Page 339
1	Page 338 Energy sending they've sent a slide deck over to 17:23:21	1	Page 339 A. So if that is the deck that goes 17:24:30
1 2	•	1 2	
	Energy sending they've sent a slide deck over to 17:23:21		A. So if that is the deck that goes 17:24:30
2	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24	2	A. So if that is the deck that goes 17:24:30 with this email — and I can see that it's version 6 17:24:32
2	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30	2 3	A. So if that is the deck that goes 17:24:30 with this email — and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36
2 3 4	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32	2 3 4	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38
2 3 4 5	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35	2 3 4 5	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41
2 3 4 5 6	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37	2 3 4 5	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49
2 3 4 5 6 7	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36	2 3 4 5 6 7	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46
2 3 4 5 6 7 8 9	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42	2 3 4 5 6 7 8 9	A. So if that is the deck that goes 17:24:30 with this email — and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't — we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54
2 3 4 5 6 7 8 9 10	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44	2 3 4 5 6 7 8 9 10	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54
2 3 4 5 6 7 8 9 10 11	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to -I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44	2 3 4 5 6 7 8 9 10 11	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54
2 3 4 5 6 7 8 9 10 11 12	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47	2 3 4 5 6 7 8 9 10 11 12 13	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56
2 3 4 5 6 7 8 9 10 11 12 13	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51	2 3 4 5 6 7 8 9 10 11 12 13	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:05
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. So if that is the deck that goes 17:24:30 with this email — and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't — we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And — and — and — and that 17:25:05 MOE for this under your responsibilities for 17:25:10
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. So if that is the deck that goes 17:24:30 with this email — and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't — we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And — and — and — and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So if that is the deck that goes 17:24:30 with this email — and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't — we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And — and — and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03 document at 4, R-199, that a version of this, 17:24:09	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13 within your ministry and other ministries on these 17:25:15
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03 document at 4, R-199, that a version of this, 17:24:09 subject to a perhaps a few amendments, is the one 17:24:16	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13 within your ministry and other ministries on these 17:25:15 issues as necessary. 17:25:18
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:44 it's it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03 document at 4, R-199, that a version of this, 17:24:09 subject to a perhaps a few amendments, is the one 17:24:16 that we understand was forwarded to you. 17:24:18	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13 within your ministry and other ministries on these 17:25:15 issues as necessary. 17:25:18 A. Yeah, I was the program design 17:25:20
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Energy sending — they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you — because 17:23:30 I — I'm just interested in the chronology here 17:23:32 not — not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to — I just want to 17:23:44 confirm that — and we don't have — or let's say 17:23:44 it's — it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something — and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03 document at 4, R-199, that — a version of this, 17:24:09 subject to a perhaps a few amendments, is the one 17:24:16 that we understand was forwarded to you. 17:24:18 So, I just want to confirm that — 17:24:20	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13 within your ministry and other ministries on these 17:25:15 issues as necessary. 17:25:18 A. Yeah, I was the program design 17:25:20 development lead, so anything related to policy or 17:25:21
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Energy sending they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you because 17:23:30 I I'm just interested in the chronology here 17:23:32 not not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to I just want to 17:23:44 confirm that and we don't have or let's say 17:23:47 was that was sent over, but it was probably 17:23:51 something and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03 document at 4, R-199, that a version of this, 17:24:09 subject to a perhaps a few amendments, is the one 17:24:16 that we understand was forwarded to you. 17:24:18 So, I just want to confirm that 17:24:20 that, as you say in your witness statement, that 17:24:21	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13 within your ministry and other ministries on these 17:25:15 issues as necessary. 17:25:18 A. Yeah, I was the program design 17:25:21 program requirements, things being designed, that 17:25:24
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Energy sending — they've sent a slide deck over to 17:23:21 you and you're commenting on the slide deck, 17:23:24 correct? And listen, I'm not asking you — because 17:23:30 I — I'm just interested in the chronology here 17:23:32 not — not the content. 17:23:35 A. Yep. 17:23:36 Q. Because you've talked about the 17:23:36 content in your witness statement, but just so 17:23:37 I understand the chronology. 17:23:39 A. So what's the question? 17:23:42 Q. I just want to — I just want to 17:23:44 confirm that — and we don't have — or let's say 17:23:44 it's — it's uncertain exactly what the slide deck 17:23:47 was that was sent over, but it was probably 17:23:51 something — and I apologize for not being specific 17:23:53 about this, but we don't have the attachment, or at 17:24:00 least I'm not sure, I think, for both parties which 17:24:01 attachment was attached to this, but there is a 17:24:03 document at 4, R-199, that — a version of this, 17:24:09 subject to a perhaps a few amendments, is the one 17:24:16 that we understand was forwarded to you. 17:24:18 So, I just want to confirm that — 17:24:20	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. So if that is the deck that goes 17:24:30 with this email and I can see that it's version 6 17:24:32 on the attachments, so I can understand why that 17:24:36 would be difficult, but this was common practice. 17:24:38 We shared our material all the time 17:24:41 amongst our three ministries to fact check because 17:24:43 we didn't we were talking about areas that 17:24:46 overlapped a lot and we wanted to make sure that we 17:24:49 didn't wrongly position information from the other 17:24:51 ministries. 17:24:54 Q. Right. 17:24:54 A. So, yes, these would have been my 17:24:54 comments on her slide deck that she sent to us. 17:24:56 Q. And and and that 17:25:04 obviously makes sense because you're responsible at 17:25:10 renewable energy and you wanted to make sure that 17:25:11 you're communicating with your colleagues both 17:25:13 within your ministry and other ministries on these 17:25:15 issues as necessary. 17:25:18 A. Yeah, I was the program design 17:25:20 development lead, so anything related to policy or 17:25:21

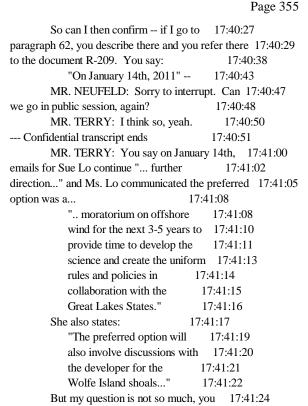
	Page 340		Page 341
1	go on to say that so we can see you provide 17:25:35	1	things for a feedback and then share finals so that 17:26:36
2	comments there, and then you say if we go back to 17:25:40	2	everybody knew what was actually moving through the 17:26:39
3	your witness statement, you say: 17:25:42	3	system. 17:26:41
4	"Ms. Zaveri updated us soon 17:25:44	4	Q. Of course. And then at 17:26:42
5	after the meeting, on 17:25:48	5	paragraph 56 of your witness statement, if we can go 17:26:44
6	January 6, 2011, telling us 17:25:48	6	back to that. I don't need to take you through 17:26:47
7	that MEI had incorporated our 17:25:51	7	this, but you're explaining here what the 17:26:49
8	comments prior to presenting 17:25:54	8	recommended recommended option was in this 17:26:51
9	the deck, which she provided 17:25:56	9	document; correct? 17:26:54
10	to us." 17:25:57	10	MR. NEUFELD: Sorry to interrupt. 17:27:04
11	And you cite the documents 198 and 17:25:58	11	Just to highlight, this is confidential information 17:27:04
12	199, and I've got those at Tabs 3 and 4 and you can 17:26:00	12	that you are in, so 17:27:07
13	see that she's providing you the deck and saying 17:26:06	13	MS. WATES: It's in the next 17:27:07
14	that it's incorporated, saying: 17:26:09	14	MR. TERRY: Oh, the next? All right. 17:27:08
15	"I sent your comments to Sue 17:26:11	15	MR. NEUFELD: Paragraph 56. 17:27:11
16	-	16	
	last night." [As read] 17:26:13		MR. TERRY: I'm sorry. I apologize. 17:27:12
17	So this so again, I just want you 17:26:15	17 18	I didn't realize that. 17:27:12
18	to confirm that that's true. 17:26:17		MS. WATES: Paragraph 56, which 17:27:16
19	A. Well, she's saying that it looks 17:26:20	19	summarizes the contents of the exhibit that she's 17:27:17
20	a lot different from the version we saw, so I mean, 17:26:21	20	MR. TERRY: That's right. We haven't 17:27:20
21	just because I commented on her deck doesn't mean 17:26:24	21	gone there yet, so let's stay away from summarising 17:27:20
22	that it's their Ministry's product, so if 17:26:27	22	that. 17:27:22
23	Q. Sure. 17:26:30	23	And it's paragraph 57, which I hope is 17:27:23
24	A. So I think she's just trying to - 17:26:30	24	not confidential. 17:27:25
25	it was common practice that we would share share 17:26:32	25	BY MR. TERRY: 17:27:25
	Page 342		Page 343
1	•	1	_
1 2	Q. Again, just to go through the 17:27:28	1 2	discussed at that meeting. It was the the piece 17:28:19
	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29		discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20
2	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32	2	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23
2	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37	2 3	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28
2 3 4	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40	2 3 4 5	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31
2 3 4 5	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43	2 3 4 5 6	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35
2 3 4 5 6 7	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43	2 3 4 5 6 7	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39
2 3 4 5 6	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44	2 3 4 5 6	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40
2 3 4 5 6 7 8	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45	2 3 4 5 6 7 8	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42
2 3 4 5 6 7 8 9	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47	2 3 4 5 6 7 8 9	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44
2 3 4 5 6 7 8 9 10	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48	2 3 4 5 6 7 8 9 10	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46
2 3 4 5 6 7 8 9 10 11	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50	2 3 4 5 6 7 8 9 10 11	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48
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2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Again, just to go through the 17:27:28 chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50	2 3 4 5 6 7 8 9 10 11 12 13	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:48 support the recommended 17:28:49 option." 17:28:50
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 proposed pilot projects in 17:27:50	2 3 4 5 6 7 8 9 10 11 12 13 14 15	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is — I think you mentioned — was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 other jurisdictions, and what 17:27:53	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is — I think you mentioned — was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 other jurisdictions, and what 17:27:53 the criteria or considerations 17:27:55	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:28:57
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 other jurisdictions, and what 17:27:53 the criteria or considerations 17:27:55 would be if we were to receive 17:27:56	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:28:57 A. What tab number? 17:29:00
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 other jurisdictions, and what 17:27:55 would be if we were to receive 17:27:56 an application for a pilot 17:27:57	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:29:00 Q. Tab No. 5 and Tab No. 6? 17:29:02
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 other jurisdictions, and what 17:27:53 the criteria or considerations 17:27:55 would be if we were to receive 17:27:56 an application for a pilot 17:27:57 project." 17:27:58	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:28:57 A. What tab number? 17:29:00 Q. Tab No. 5 and Tab No. 6? 17:29:02 A. Okay. 17:29:04
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 other jurisdictions, and what 17:27:55 would be if we were to receive 17:27:56 an application for a pilot 17:27:57	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:29:00 Q. Tab No. 5 and Tab No. 6? 17:29:02
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 proposed pilot projects in 17:27:50 other jurisdictions, and what 17:27:53 the criteria or considerations 17:27:55 would be if we were to receive 17:27:56 an application for a pilot 17:27:58 And that's that, I assume, is a 17:27:59	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:29:04 Q. Tab No. 5 and Tab No. 6? 17:29:02 A. Okay. 17:29:04 Q. So do you recognize that this is 17:29:05
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Again, just to go through the chronology here, this is January 6th, 2011. You 17:27:29 attend a briefing with your deputy minister. And 17:27:32 this is I think you mentioned was it Gail 17:27:37 Beggs, her name? 17:27:40 A. Yes. 17:27:43 Q. And you say: 17:27:43 "At the meeting, the Deputy 17:27:44 directed me and my team to 17:27:45 develop and provide advice on 17:27:47 the potential size and scope 17:27:48 of an offshore wind pilot 17:27:50 project, including 17:27:50 consideration of existing and 17:27:50 proposed pilot projects in 17:27:50 other jurisdictions, and what 17:27:53 the criteria or considerations 17:27:55 would be if we were to receive 17:27:56 an application for a pilot 17:27:58 And that's that, I assume, is a 17:27:59 is stating you're stating what was discussed at 17:28:02	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	discussed at that meeting. It was the the piece 17:28:19 that the deputy felt that we needed to next focus 17:28:20 on, and so it was I was briefing my boss to let 17:28:23 him know that his boss had said, coming out of that 17:28:28 meeting, "You know, we really need to know and we 17:28:31 need to do more on this." And that's what we were 17:28:35 directed to do next. 17:28:39 Q. And if we go down, the next 17:28:40 paragraph you say: 17:28:42 "On January 10th, 2011, 17:28:44 Ms. Zaveri sent out 17:28:46 a communications plan to 17:28:48 support the recommended 17:28:49 option." 17:28:50 And that, I've got your reference, 17:28:51 it's in your footnotes, documents R-201 and R-202, 17:28:52 and I've produced those at the next two tabs. 17:29:05 Q. Tab No. 5 and Tab No. 6? 17:29:02 A. Okay. 17:29:04 Q. So do you recognize that this is 17:29:05 the sorry. It's what you've referred to in your 17:29:06

	Page 344		Page 345
1	bottom of this paragraph, you say that: 17:29:15	1	assessment. This can be done 17:30:23
2	"We also developed a question 17:29:18	2	concurrently with provincial 17:30:25
3	and answer ('Q&A') document in 17:29:21	3	approval requirements." 17:30:29
4	anticipation of questions from 17:29:24	4	I also I should note, I didn't want 17:30:31
5	the public." 17:29:25	5	to skip over the second bullet, which says: 17:30:31
6	And this is you cited to R-206 in 17:29:25	6	"the Ministry of Environment's 17:30:32
7	the footnote and also R-207. And I take it these 17:29:29	7	priority is that renewable 17:30:32
8	are the next two documents, R-206 and R-207? 17:29:33	8	renewable energy sources are 17:30:32
9	A. This is at Tab 7 and 8? 17:29:42	9	developed in a way that 17:30:34
10	Q. Yes, Tab 7 and 8. 17:29:44	10	protects human health and the 17:30:35
11	And just to spend a moment on R-207, 17:29:49	11	environment." 17:30:36
12	which is at Tab 8, this is a the Q & A that 17:29:50	12	A. Uh-hmm. 17:30:38
13	that you and Ms. Dumais are developing, is saying, 17:29:57	13	Q. And then you say in the fifth 17:30:38
14	in the third bullet: 17:30:03	14	bullet: 17:30:39
15	"Crown Land is considered 17:30:04	15	"Following the completion of 17:30:41
16	for being made available for 17:30:08	16	this extensive up-front work, 17:30:41
17	energy projects through 17:30:09	17	applicants will then need to 17:30:43
18	the site release process which 17:30:11	18	apply for Renewable Energy, 17:30:45
19	is administered by the 17:30:13	19	(REA) from the Ministry of 17:30:46
20	Ministry of Natural 17:30:14	20	Environment and possibly other 17:30:46
21	Resources." 17:30:16	21	approvals." 17:30:47
22	You're saying: 17:30:17	22	And you describe those. 17:30:49
23	"Off-shore wind projects may 17:30:18	23	Then you say in the second last 17:30:50
24	also be required to complete 17:30:21	24	bullet: 17:30:51
25	a federal environmental 17:30:22	25	"Each application (is) 17:30:52
	Page 346		Page 347
1	reviewed on a case by case 17:30:53	1	indeed in this chronology, this was developed at the 17:31:30
2	basis concerning relevant 17:30:55	2	time as you've stated in your witness statement. 17:31:32
3	site-specific characteristics 17:30:56	3	A. Yes, but reading through this 17:31:36
4	of the project and extent to 17:30:58	4	quickly, it also is describing an outcome that 17:31:39
5	which the facility design 17:30:59	5	didn't actually become the outcome. 17:31:41
6	would mitigate any negative 17:31:00	6	Q. Sure. 17:31:44
7	environmental effects as part 17:31:00	7	A. It's just 17:31:44
8	of the Renewable Energy 17:31:02	8	Q. I understand that fully. 17:31:44
9	Approval process." 17:31:02	9	A. So what we were I I was 17:31:45
10	And then you talk about: 17:31:04	10	involved in so, offshore we know is going to be 17:31:51
11	"In addition to the Ministry 17:31:06	11	controversial. There's discussions on what we 17:31:55
12	of the Environment's REA 17:31:07	12	should do all through the fall. So as soon as the 17:31:58
13	Regulation developers 17:31:08	13	EBR closes, we're having conversations 17:32:00
14	(would be) subject to 17:31:09	14	across the ministries at the ADM and deputy level. 17:32:04
15	information and assessment 17:31:10	15	There's all sorts of options floating around and 17:32:08
16	requirements outlined by the 17:31:12	16	and trying to figure out how we would implement what 17:32:11
17	Ministry of Natural 17:31:13	17	is starting to look like the favoured options. 17:32:14
18	Resources." 17:31:15	18	These Qs and As and key messages is 17:32:17
19	And you go on to describe some of 17:31:18	19	one attempt based on where at that moment in time we 17:32:20
20	their requirements and the consultation 17:31:19	20	thought the direction was heading, because we're 17:32:24
21	requirements. 17:31:21	21	trying to anticipate a ton of work hitting our desk. 17:32:27
22	And then you and then go through 17:31:21	22	So starting to think through what some of the 17:32:31
23	a further discussion here. And my my again, 17:31:22	23	communication products might need to look like to be 17:32:33
24	my point here is not so much to get into the 17:31:25	24	ready. But the the wording in here, and 17:32:36
25	contents of this, but to just to confirm that 17:31:27	25	especially in the Q and A Section, assumes 17:32:39
		1	especially in the Quite 11 bection, assumes 11.32.39

	Page 348		Page 349
1	a five-kilometre setback is in place, and that never 17:32:42	1	Monday." 17:33:50
2	came to pass. 17:32:46	2	And then you don't see that email on 17:33:52
3	So that wasn't the preferred 17:32:47	3	that day, and as I understand if you read up the 17:33:54
4	implementation root of the decisions in the end. 17:32:53	4	email, there's a a further email from Sue Lo, 17:33:57
5	Q. Sure. And, again, I'm just I'm 17:32:56	5	updating your again, if this is going to your 17:34:04
6	just interested in the chronology. 17:32:57	6	bosses, I see a and saying: 17:34:10
7	As I understand it, the next 17:32:59	7	"Following up on the 17:34:13
8	document I'd like to take you to the tab that's 17:33:00	8	teleconference yesterday, 17:34:14
9	at Tab 9. This is what I wanted. 17:33:02	9	I have received further 17:34:16
10	If you can just go to the back of this 17:33:18	10	direction" 17:34:17
11	email chain and just follow the chain up. So this 17:33:21	11	this is at the top of Page 2 17:34:17
12	is Sue Lo from the Ministry of Energy that morning, 17:33:23	12	" from MO/PO/DMO on this 17:34:17
13	11:41, sending an email to people, including your 17:33:27	13	file. The communication plan 17:34:20
14	boss, Paul Evans, saying: 17:33:30	14	that will be developed will 17:34:20
15	"I have some news to 17:33:36	15	focus on the preferred option 17:34:21
16	discuss with you. Premier's 17:33:36	16	being: Moratorium on offshore 17:34:22
17	office and Shelly provided 17:33:37	17	wind for next 3-5 years to 17:34:25
18	some direction to my ministry 17:33:38	18	provide time to develop the 17:34:27
19	earlier this morning that 17:33:39	19	science and create the uniform 17:34:28
20	I want to convey to you on 17:33:40	20	rules and policies in 17:34:31
21	an urgent basis. The reason 17:33:42	21	collaboration with the 17:34:31
22	we need to discuss today is 17:33:44	22	Great Lakes States. 17:34:32
23	because PO has asked for 17:33:46	23	The preferred option will also 17:34:33
24	a comms plan to convey the new 17:33:47	24	involve discussions with the 17:34:33
25	direction by end of day 17:33:48	25	developer of the 17:34:33
	Page 350		Page 351
1	Wolfe Island shoals project, 17:34:34	1	before that you were working on a on questions 17:35:49
2	such that the project won't 17:34:35	2	and answers relating to another policy proposal 17:35:52
3	proceed until the science and 17:34:36	3	which wasn't the final decision. 17:35:55
4	uniform rules and policies 17:34:37	4	And I take it that you did not learn 17:35:58
5	have been developed." 17:34:39	5	of this decision that that we see you learning in 17:36:01
6	And then and then this email is 17:34:41	6	this email correspondence from anyone before 17:36:06
7	forwarded by Paul Evans to a if I've got it 17:34:42	7	January 13th, 2011. That's what I understand, 17:36:10
8	right are you on this one? I apologize if 17:34:51	8	looking at your witness statement. 17:36:13
9	I've 17:34:54	9	A. Okay. I think I know what you're 17:36:17
10	A. No, I'm not. 17:34:55	10	getting at. 17:36:18
11	Q chosen the one okay. So 17:34:56	11	So, let me back up a bit. 17:36:19
12	keep that background. I and I apologize, because 17:34:57	12	The am I allowed to talk about the 17:36:22
13	I there's another email that's that's there. 17:35:01	13	stuff that was shaded before, the 17:36:25
14	If you turn to the next one. 17:35:03	14	MR. SPELLISCY: As long as we go to 17:36:29
	,	15	confidential mode. 17:36:30
15	A. Ten. Tab 10? 17:35:09		NO TERROY OF CLASS AND ADDITION OF
	A. Ten, Tab 10? 17:35:09 O. Yeah. So that email shows this is 17:35:11	16	MR. TERRY: Confidential mode. 17:36:31
15	Q. Yeah. So that email shows this is 17:35:11	16 17	PRESIDENT: Confidential. 17:36:33
15 16	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12	17 18	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34
15 16 17	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16	17 18 19	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34
15 16 17 18	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16 chain and this one is the one that has Paul Evans 17:35:18	17 18 19 20	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34 it's a very simple one. 17:36:35
15 16 17 18 19	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16 chain and this one is the one that has Paul Evans 17:35:18 sending it to you. He says "Heads-up." 17:35:21	17 18 19 20 21	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34 it's a very simple one. 17:36:35 A. I know what your question is, but 17:36:36
15 16 17 18 19 20	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16 chain and this one is the one that has Paul Evans 17:35:18 sending it to you. He says "Heads-up." 17:35:21 Do you see that? 17:35:24	17 18 19 20 21 22	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34 it's a very simple one. 17:36:35 A. I know what your question is, but 17:36:36 I I would like to answer it. 17:36:38
15 16 17 18 19 20 21	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16 chain and this one is the one that has Paul Evans 17:35:18 sending it to you. He says "Heads-up." 17:35:21 Do you see that? 17:35:24 A. Yes, I do. 17:35:25	17 18 19 20 21 22 23	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34 it's a very simple one. 17:36:35 A. I know what your question is, but 17:36:36 I I would like to answer it. 17:36:38 PRESIDENT: Let's allow the witness to 17:36:40
15 16 17 18 19 20 21	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16 chain and this one is the one that has Paul Evans 17:35:18 sending it to you. He says "Heads-up." 17:35:21 Do you see that? 17:35:24 A. Yes, I do. 17:35:25 Q. Okay. And then, I guess my 17:35:25	17 18 19 20 21 22 23 24	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34 it's a very simple one. 17:36:35 A. I know what your question is, but 17:36:36 I I would like to answer it. 17:36:38 PRESIDENT: Let's allow the witness to 17:36:40 answer so we go confidential. 17:36:41
15 16 17 18 19 20 21 22 23	Q. Yeah. So that email shows this is 17:35:11 a coming to Paul Evans, but I guess not to you. 17:35:12 At Tab 10, we have the same email 17:35:16 chain and this one is the one that has Paul Evans 17:35:18 sending it to you. He says "Heads-up." 17:35:21 Do you see that? 17:35:24 A. Yes, I do. 17:35:25	17 18 19 20 21 22 23	PRESIDENT: Confidential. 17:36:33 BY MR. TERRY: 17:36:34 Q. But listen, my question is very 17:36:34 it's a very simple one. 17:36:35 A. I know what your question is, but 17:36:36 I I would like to answer it. 17:36:38 PRESIDENT: Let's allow the witness to 17:36:40







17:40:25

not so much that issue.

17:43:41

Page 356 1 know, how did this relate to other previous things, 17:41:27 2 but -- but indeed, as you said in your witness 17:41:29 3 17:41:32 statement, this was the first time that you heard 4 that you received this direction that this was 17:41:33 5 the -- this was the decision, the direction, that it 17:41:36 6 was going to be a moratorium on offshore wind with 17:41:40 7 the preferred option being discussions with 17:41:42 8 Wolfe Island Shoals. Is that -- is that fair to 17:41:45 9 say? And just so that we've got the chronology 17:41:47 10 right here. 17:41:51 11 A. Yes. And I'm quoting from her 17:41:52 12 17:41:54 email. 13 17:41:55 Q. Right. 14 A. The first part is what we've been 17:41:55 15 talking about for a while, the moratorium, but what 17:41:57 16 is now clear is how they want to communicate to the 17:42:00 17 Wolfe Island Shoals project and how we are tying 17:42:03 18 this clearly to the science work that is yet to be 17:42:06 19 completed, the collaboration with the Great Lakes 17:42:09 20 17:42:14 states part. 21 Q. And you had -- you had -- I take 17:42:17 22 17:42:18 it then that no one in your deputy minister's 23 office, Gail Beggs, had informed you of that 17:42:24 17:42:27 24 decision before then, the decision that there was 25 going to be a moratorium. 17:42:30

A. That's not what I'm saying. I'm 17:42:33 saying -- so, all I did was try to quote it in 17:42:34 context, that her -- she communicated the preferred 17:42:37 17:43:14 MS. WATES: If I can just interrupt 17:43:17 the witness. I think we're talking about sections, 17:43:18 it goes in the confidential mode. 17:43:21 BY MR. TERRY: 17:43:24 Q. Again, I'm just concerned with the 17:43:25 17:43:27 chronology, as I say. You've indicated here that you had 17:43:28 a meeting with your deputy on January 6th. Prior to 17:43:29 hearing from Ms. Lo on January 14th, did your deputy 17:43:33 minister communicate to you that there had been 17:43:38

a decision by the government or by your minister

that there would be a moratorium on offshore wind? 17:43:47

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A. So I'm a manager at this time and 17:43:51 I don't communicate directly with the deputy 17:43:52 minister, but I did go with her to the interministry 17:43:54 meeting in October when options were discussed. I had worked on and briefed her, with 17:44:01 my boss present, in November on the possible ways we 17:44:03 could implement the strategy that came out of that 17:44:08 October discussion with deputies. So I was aware of 17:44:12 the -- what was of concern, what the general 17:44:17 direction was in terms of where the Deputy 17:44:23 ministry [sic] -- Minister's heads were, and, you 17:44:25 know, until -- until you get direction, it's still 17:44:29 just recommendations and --17:44:36 Q. Right. And the direction came, as 17:44:37 you say, on January 13th and 14th. 17:44:39 17:44:42 And my question is simply -- and I don't -- correct me if I'm wrong, but I think you 17:44:46 said at that time you were a director, not 17:44:49 a manager? 17:44:51 17:44:52 A. Fair, yes. Q. Okay. And -- and you've set out, 17:44:53 in a lot of detail, the chronology of these 17:44:57 particular days in your witness statement; correct? 17:45:00 A. Uh-hmm. 17:45:03 Q. And you haven't indicated anywhere 17:45:04

Page 359 here that you received another communication from 17:45:06 your deputy minister or anyone else telling you that 17:45:08 the decision -- the government decision or the -- or 17:45:14 your minister's decision to -- that there would be a 17:45:17 deferral in offshore wind was made until you received the communication on January 14th from -- 17:45:25 indirectly from Ms. Lo. I mean, isn't that fair to 17:45:33 say? I'm reading your witness statement. I don't 17:45:36 17:45:39 see anything else here. 17:45:41 A. She's talking about preferred options. She's not talking about -- she's talking 17:45:42 direction and preferred options and what -- where 17:45:45 things are from her perspective in the conversation 17:45:47 she's been part of. 17:45:50 I would say until I was directed by 17:45:52 Paul to work on the decision notice, that's when 17:45:56 I -- like, that's when I had the clarity of what 17:46:00 exactly is the Ministry of the Environment doing as 17:46:04 it relates to this regulation. 17:46:07

I -- like, that's when I had the clarity of what 17:46:00
exactly is the Ministry of the Environment doing as 17:46:04
it relates to this regulation. 17:46:07
Q. Okay. 17:46:09
A. But I don't -- I don't see that 17:46:09
the -- that moratorium reference in the 17:46:12
January 14th email was not -- was not new.

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Page 360 1 17:46:30 2 What was getting clearer is what we 17:46:30 3 would do about the -- about the only contract that 17:46:34 4 did exist for Wolfe Island. 17:46:39 5 O. Okav. So if I understand what 17:46:41 6 you're saying is, you're saying that your 17:46:43 7 understanding was on January 13th and 14th, what was 17:46:47 8 being communicated to you was a preferred direction, 17:46:50 9 but at that point in time, there had been no 17:46:53 10 decision made that had been communicated to you, 17:46:56 11 that the actual decision had been made, you know, 17:47:02 12 the final decision by the minister to defer offshore 17:47:07 13 17:47:10 14 17:47:15 A. The reason I reference the 15 communication here is to make the point in my 17:47:17 16 witness statement as to why we started preparing 17:47:20 17 work for what would help us vet the first offshore 17:47:24 18 application that we might get. So we were -- I was 17:47:30 19 putting it in context that we -- it was starting to 17:47:33 20 look like the Windstream project will be remaining 17:47:36 21 whole, and we need to be ready for that eventuality 17:47:41 22 if it comes in for an application. So that's the 17:47:46 23 context in which I'm having this. 17:47:49 24

17:48:04 Q. Okay. And just -- I appreciate 17:48:06 that. I've asked this question several times, but 17:48:10 just one more time, "yes" or "no." Were you aware 17:48:13 on January 13th of a decision that your minister had 17:48:17 already made to defer offshore wind; "yes" or "no"? 17:48:25 A. Not specifically. 17:48:36 Q. Okay. I've got one more area, 17:48:38 please. If you could -- if you could turn to 17:48:46 Tab 12, and this relate to the research that your 17:49:01 ministry was doing. 17:49:04 If we could actually start at Tab 11, 17:49:22 that's probably better. At Tab 11 is Exhibit 17:49:23 C-1094. This is -- this is -- you're discussing the 17:49:25 research -- do you have it? 17:49:31 A. Yes. 17:49:34 Q. This is discussing the research 17:49:35 that -- that apparently MOE is -- and MNR are to 17:49:37 undertake with respect to offshore wind. 17:49:44 And we already have your comment in 17:49:48 your witness statement. I acknowledge it's there, 17:49:49 but you'll see that you -- that there's a statement 17:49:51 made in this -- in this email that: 17:49:55 17:50:03

Page 362 17:50:14 And again, just briefly, because 17:50:16 1.0 I don't want to not give you a chance to respond to 17:50:17 11 that, did that ever enter into -- was that part of 17:50:19 12 your consideration? 17:50:22 13 A. I'm sorry, I'm having trouble 17:50:24 14 following. Are you reading from my witness 17:50:26 15 statement or ... 17:50:28 16 Q. No. I apologize. It's Exhibit 17:50:28 17 1094? 17:50:31 18 17:50:34 19 Q. C-1094. And if you look down the 17:50:34 20 third paragraph --17:50:37 21 17:50:38 A. Uh-hmm. 22 Q 17:50:39 24 MR. TERRY: We're fine with feed, 17:50:43 25 right, as long as you don't get to the --17:50:44

PRESIDENT: Is this a confidential 17:50:47 document? 17:50:48 MR. TERRY: Is it? It's not marked as 17:50:50 such, but okay. 17:50:53 PRESIDENT: It's been redacted but... 17:50:53 MR. TERRY: Yeah. 17:51:00 MS. SEERS: Yes, it is. 17:51:14 MR. TERRY: It is? 17:51:14 MS. SEERS: Confidential. 17:51:14 MR. NEUFELD: Okay. The one in the 17:51:16 binder is not showing it as --17:51:16 PRESIDENT: Okay. We -- cut the tape, 17:51:16 17:51:16 please. MR. TERRY: Listen, I'll just -- I'll 17:51:16 make this brief because we're -- cut feed. 17:51:17 --- Confidential transcript begins 17:51:19 BY MR. TERRY: 17:51:23 O. We're running low on time here, 17:51:24 but there's a note here, the first bullet, it says: 17:51:25

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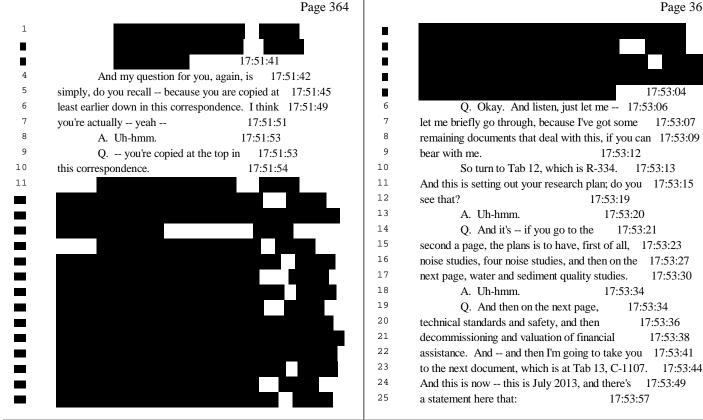
17:53:36

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17:53:04 Q. Okay. And listen, just let me - 17:53:06 let me briefly go through, because I've got some 17:53:07 remaining documents that deal with this, if you can 17:53:09 bear with me. 17:53:12 So turn to Tab 12, which is R-334. And this is setting out your research plan; do you 17:53:15 see that? 17:53:19 A. Uh-hmm. 17:53:20 17:53:21 Q. And it's -- if you go to the second a page, the plans is to have, first of all, 17:53:23 noise studies, four noise studies, and then on the 17:53:27 next page, water and sediment quality studies. 17:53:30 A. Uh-hmm. 17:53:34 Q. And then on the next page, 17:53:34

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17:53:58 "The Noise RFP is officially complete ..." 17:54:01 And we've approved the draft memo. 17:54:02 So there is an RFP for doing a noise 17:54:03 study at this date in July of 2013; is that correct? 17:54:06 A. I can't speak to that. I wasn't 17:54:10 in charge of -- so what happened at the Ministry is 17:54:12 that somewhere --And in -after the provincial election in the fall, then in 17:54:30 January we start to get some more momentum around 17:54:33 specifics on a research plan. My job as the program and design lead 17:54:40 was to map out that plan across multiple ministries. 17:54:42 I believe there is documents in the 17:54:45 record that are decks that explain -- that went to 17:54:47 deputies, that explain in greater detail. The 17:54:52 document that you showed at 12 is just some of the 17:54:55 pieces that MOE was going to need to lead, but there 17:54:58 were other pieces as well articulated in there. 17:55:00 And -- and then during the spring, 17:55:03 17:55:06 I handed the science part of this over to our science division because it was no longer about 17:55:09

program development. It was about science. We had 17:55:11 a whole division for that. 17:55:14 And so Paul Evans was no longer responsible. It was a different ADM, and the people 17:55:19 here cited are staff in that division. And I had no 17:55:21 more direct contact with the discussion of science 17:55:24 or development of science. 17:55:27 Q. Okay. 17:55:29 A. It was transitioned by about May 17:55:29 of that year, May of 2013. Q. Okay. And so just to confirm, are 17:55:35 you aware that only -- only two of the -- these studies have been done in draft form, one on noise 17:55:42 and one on decommissioning? A. I can't speak to that. In October 17:55:47 I left the Ministry entirely. 17:55:49 Q. Okay. 17:55:51 A. October 2013. 17:55:52 MR. TERRY: Those are all my 17:55:54 17:55:55 questions. PRESIDENT: Thank you very much. We 17:55:59 can go now back to the public session. 17:56:00 --- Confidential transcript ends 17:56:05 Any questions on redirect? 17:56:05

MR. NEUFELD: Can you give us one

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	Page 368		Page 369
1	minute? 17:56:12	1	So what I was aware of or had hearsay 18:01:13
2	PRESIDENT: Sure. 17:56:13	2	knowledge of in that period, I don't remember, but 18:01:15
3	[Counsel confer] 17:59:38	3	
4	MR. NEUFELD: No questions. 18:00:09	•	
5	PRESIDENT: No questions. 18:00:10		
6	There will be a question from the 18:00:10		- and I know that a call was 18:01:28
7	bench. 18:00:12	7	made to Windstream and which I didn't attend, and 18:01:35
8	MR. BISHOP: I just have one quick 18:00:13	8	we then moved on releasing the EBR decision notice. 18:01:37
9	question. 18:00:16	9	That January period when there was 18:01:41
10	THE WITNESS: Sure. 18:00:17	10	a lot of work going around, how are we actually 18:01:42
11	MR. BISHOP: When did you learn of the 18:00:18	11	specifically, technically going to implement it? 18:01:49
12	decision of the moratorium from the minister? 18:00:19	12	I I wasn't getting that direct direction from the 18:01:51
13	THE WITNESS: I never directly heard 18:00:21	13	minister and I don't recall exactly when I mean, 18:01:55
14	it from the Minister. I I as the witness 18:00:22	14	maybe I did hear something at that time. I was in 18:01:57
15	statement indicates and we went over a bit, it was 18:00:33	15	it, but it wasn't my decision or I wasn't directly 18:02:03
16	left with them a lot of what was hanging on the 18:00:39	16	feeding it after that point. 18:02:08
17	moratorium was how it was going to be implemented 18:00:45	17	MR. BISHOP: Thank you. 18:46:07
18	and how Windstream would be treated in a moratorium, 18:00:47	18	PRESIDENT: Just and maybe one 18:02:11
19	and I was not directly part of those conversations 18:00:49	19	question relating to that. If the decision was 18:02:12
20	because that wasn't core to what I needed to do. 18:00:53	20	taken already early January to impose a moratorium, 18:02:15
21	And so I get involved when I 18:00:58	21	why was it announced only in around mid-February? 18:02:18
22	I was involved leading up to the discussions and 18:01:01	22	THE WITNESS: I can't speak to, 18:02:30
23	then once decisions are made and we're getting 18:01:03	23	specifically, why that was the case. I would say 18:02:31
24	specific direction on what to put into the EBR 18:01:09	24	that generally, just because we make a decision 18:02:35
25		25	doesn't mean we can turn around very quickly. And 18:02:40
	posting. 18:01:12	23	doesn't mean we can turn around very quickly. And 16.02.40
	D 270		
	Page 370		Page 371
1	there was a lot of technical pieces to this, in 18:02:42	1	Page 371 Okay. So do we need a technical or any other type 18:03:49
1 2	-	1 2	•
	there was a lot of technical pieces to this, in 18:02:42		Okay. So do we need a technical or any other type 18:03:49
2	there was a lot of technical pieces to this, in 18:02:42 terms of how it would be implemented, how it would 18:02:45	2	Okay. So do we need a technical or any other type 18:03:49 of break to continue with the next witness? 18:03:56 Why don't we go straight to the 18:03:59 examination? 18:04:01
2	there was a lot of technical pieces to this, in 18:02:42 terms of how it would be implemented, how it would 18:02:45 be communicated, what direction the OPA would need 18:02:47	2 3	Okay. So do we need a technical or any other type 18:03:49 of break to continue with the next witness? 18:03:56 Why don't we go straight to the 18:03:59
2 3 4	there was a lot of technical pieces to this, in 18:02:42 terms of how it would be implemented, how it would 18:02:45 be communicated, what direction the OPA would need 18:02:47 to be given, how we we were we spent a lot of 18:02:52	2 3 4	Okay. So do we need a technical or any other type 18:03:49 of break to continue with the next witness? 18:03:56 Why don't we go straight to the 18:03:59 examination? 18:04:01
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	Page 372		Page 373
1	are your statements? 18:07:52	1	In that time, I've held a number of 18:08:53
2	THE WITNESS: They are my statements. 18:07:53	2	different positions. 18:08:55
3	PRESIDENT: And that you confirm also 18:07:55	3	In particular, as it relates to the 18:08:57
4	the contents of these statements. 18:07:58	4	matter before us today, I became the directors of 18:08:59
5	THE WITNESS: I confirm the contents 18:07:59	5	the approvals program for the Ministry of the 18:09:01
6	of the statements, yes. 18:08:01	6	Environment in 2007. 18:09:04
7	PRESIDENT: Do you have any 18:08:02	7	And while the director of the 18:09:06
8	corrections to make? 18:08:03	8	approvals program, I had the opportunity to work 18:09:07
9	THE WITNESS: Not at this time. 18:08:05	9	with colleagues, not only in this Ministry, but 18:09:09
10	PRESIDENT: Okay. Thank you very 18:08:07	10	across government on in the development and the 18:09:11
11	much. You will now be first to examined briefly by 18:08:08	11	implementation of the renewable Energy Approvals 18:09:13
12	counsel for the Government of Canada, and then there 18:08:14	12	Program. 18:09:16
13	will be a cross-examination by counsel for 18:08:16	13	In my career, from the day that 18:09:18
14	Windstream. 18:08:19	14	I started to the work that I'm doing today as the 18:09:19
15	And, Miss Wates? 18:08:19	15	Director of Modernization of Approvals Program, I've 18:09:22
16	DIRECT EXAMINATION BY MS. WATES: 18:08:32	16	always been involved in the approvals program; 18:09:26
17	MS. WATES: Good evening, Ms. Dumais. 18:08:35	17	initially, as monitoring for compliance and 18:09:27
18	Just very briefly for the Tribunal, if you could 18:08:36	18	providing recommendations on the types of conditions 18:09:31
19	provide some background, your position – your 18:08:38	19	that should be put in approvals to today, looking at 18:09:33
20	history with the MOE, and your position at the time 18:08:41	20	the approvals program to modernize it and improve 18:09:36
21 22	the Green Energy Act and that initiative came into 18:08:44	21 22	it, and build new approvals programs for the 18:09:40
23	force. 18:08:47 THE WITNESS: I've been with the 18:08:47	23	Ministry. 18:09:42
24	THE WITNESS: I've been with the 18:08:47 Ministry of the Environment since 1985, so I have 30 18:08:48	24	MS. WATES: Thank you. Now, you had 18:09:44
25	years of experience with the Ministry. 18:08:51	25	the benefit of hearing Ms. Powell's testimony 18:09:44 earlier today; is that correct? 18:09:46
23	years of experience with the Millistry. 10.00.31	25	earner today, is that correct:
	Page 374		Page 375
1		1	
1 2		1 2	Page 375 compliance approval for the air emissions and noise 18:10:49 emissions from that facility. 18:10:53
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: Yes, I did. 18:09:47 MS. WATES: And do you recall her 18:09:48 saying that her opinion was that the on-shore 18:09:52 manufacturing facility that would be associated with 18:09:57 the claimants project in this case would be 18:10:00 separate permitted separately from the renewable 18:10:03 energy approval process; do you recall that? 18:10:06 THE WITNESS: Yes, I do. 18:10:08 MS. WATES: And assuming this is true, 18:10:09 could you just describe very briefly, please, what 18:10:13 would be involved in the permitting what permits, 18:10:16 for example, would be required for that facility? 18:10:19 THE WITNESS: So the facility you 18:10:24 speak of is the facility where the foundations for 18:10:25 the turbines turbines would be built, the 18:10:29 materials would be put together, as I understand it. 18:10:32 That's the facility we're speaking 18:10:34 about? 18:10:36 MS. WATES: Yes, sorry, if I wasn't 18:10:37 clear in my question. That's correct? 18:10:38 THE WITNESS: Okay. So in this type 18:10:40 of a facility I would expect that there would be two 18:10:41	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	compliance approval for the air emissions and noise 18:10:49 emissions from that facility. 18:10:53 There would probably, in all 18:10:54 likeliness, also be a wastewater approval related to 18:10:56 that facility given that a lot of these facilities 18:10:58 do have wastewater that needs to be appropriately 18:11:00 treated before it gets discharged. 18:11:03 As I understand it from the 18:11:04 information I've read and from the comments from 18:11:06 Ms. Powell this morning, the facility that we are 18:11:08 looking at is the St. Mary's Cement Facility which 18:11:11 is an existing facility in Ontario that does have in 18:11:14 place environmental compliance approvals. And, 18:11:17 I believe, that they do have a comprehensive air 18:11:20 approval as was stated by Ms. Powell. 18:11:25 operational flexibility, that is part of that 18:11:26 approval, would apply in this case. There may be 18:11:33 the operational flexibility exists today may not be 18:11:37 applicable and may not allow the environmental 18:11:40 compliance approval to be issued in as timely 18:11:43
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: Yes, I did. 18:09:47 MS. WATES: And do you recall her 18:09:48 saying that her opinion was that the on-shore 18:09:52 manufacturing facility that would be associated with 18:09:57 the claimants project in this case would be 18:10:00 separate permitted separately from the renewable 18:10:03 energy approval process; do you recall that? 18:10:06 THE WITNESS: Yes, I do. 18:10:08 MS. WATES: And assuming this is true, 18:10:09 could you just describe very briefly, please, what 18:10:13 would be involved in the permitting what permits, 18:10:16 for example, would be required for that facility? 18:10:19 THE WITNESS: So the facility you 18:10:24 speak of is the facility where the foundations for 18:10:25 the turbines turbines would be built, the 18:10:29 materials would be put together, as I understand it. 18:10:32 That's the facility we're speaking 18:10:34 about? 18:10:36 MS. WATES: Yes, sorry, if I wasn't 18:10:37 clear in my question. That's correct? 18:10:38 THE WITNESS: Okay. So in this type 18:10:40 of a facility I would expect that there would be two 18:10:41	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	compliance approval for the air emissions and noise 18:10:49 emissions from that facility. 18:10:53 There would probably, in all 18:10:54 likeliness, also be a wastewater approval related to 18:10:56 that facility given that a lot of these facilities 18:10:58 do have wastewater that needs to be appropriately 18:11:00 treated before it gets discharged. 18:11:03 As I understand it from the 18:11:04 information I've read and from the comments from 18:11:06 Ms. Powell this morning, the facility that we are 18:11:08 looking at is the St. Mary's Cement Facility which 18:11:11 is an existing facility in Ontario that does have in 18:11:14 place environmental compliance approvals. And, 18:11:17 I believe, that they do have a comprehensive air 18:11:20 approval as was stated by Ms. Powell. 18:11:25 operational flexibility, that is part of that 18:11:26 approval, would apply in this case. There may be 18:11:33 the operational flexibility exists today may not be 18:11:37 applicable and may not allow the environmental 18:11:40 compliance approval to be issued in as timely 18:11:43

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1	potential opposition that might be at play in that 18:11:57	1	Ministry to deny any changes to the environmental 18:13:14
2	permitting process and the fact that there would be 18:12:02	2	approvals to the St. Mary's Cement given that they 18:13:19
3	no leave to appeal as of right from the decisions in 18:12:04	3	would be supporting the offshore wind project. 18:13:22
4	that process; do you recall that? 18:12:08	4	In Ontario, when we posted a proposal 18:13:24
5	THE WITNESS: Yes, I do. 18:12:10	5	with regards to moving forward with offshore wind, 18:13:28
6	MS. WATES: And based on your 18:12:11	6	over two-thirds of the comments that we received 18:13:32
7	experience, could you comment on how public 18:12:12	7	from the Environmental Bill of Rights posting 18:13:34
8	opposition would be addressed in that in the 18:12:23	8	opposed offshore wind in Ontario. 18:13:36
9	context of that specific approval where there's no 18:12:25	9	So I would expect any aspect of the 18:13:39
10	appeal as of right? 18:12:28	10	project or any component of the project that was to 18:13:43
11	THE WITNESS: Since the introduction 18:12:31	11	support offshore wind, would be severely challenged 18:13:47
12	of the Renewable Energy Program in Ontario, there 18:12:33	12	by the anti-wind movement in Ontario. 18:13:51
13	has been a very strong, well-organized anti-wind 18:12:35	13	MS. WATES: Thank you, Ms. Dumais. 18:13:55
14	movement and that has been very challenging not only 18:12:38	14	That's all. 18:13:56
15	for project proponents, but for the Ministry. 18:12:41	15	PRESIDENT: Thank you, Ms. Wates. 18:13:58
16	And what we have found in dealing with 18:12:44	16	And, Mr. Terry? 18:14:00
17	the anti-wind movement in Ontario is they have been 18:12:46	17	CROSS-EXAMINATION BY MR. TERRY: 18:14:03
18	very creative and very innovative in different 18:12:49	18	MR. TERRY: Thank you. 18:14:05
19	approaches on how to stop and delay renewable energy 18:12:51	19	BY MR. TERRY: 18:14:14
20	in Ontario. 18:12:56	20	MR. TERRY: Goods evening. 18:14:14
21	So I would expect that if it was known 18:12:57	21	THE WITNESS: Good evening. 18:14:15
22	that the proposed changes to the St. Mary's facility 18:12:59	22	MR. TERRY: Now, Ms. Dumais, 18:14:24
23	were to support the were to support the first 18:13:04	23	I understand, if I've got the chronology right, that 18:14:28
24	offshore wind project in Ontario, that there would 18:13:08	24	you were Director of the MOE's Environmental 18:14:31
25	be a strong movement to delay and request for the 18:13:11	25	Approvals Program beginning in 2007; is that 18:14:34
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1	correct? 18:14:36	1	release? This is in February of 2008? 18:15:20
2	THE WITNESS: That's correct. 18:14:37	2	THE WITNESS: I became aware of the 18:15:26
3	MR. TERRY: And as you as I think 18:14:38	3	moratorium being lifted, yes. I can't recollect 18:15:28
4	you indicated, you you led or still lead a staff 18:14:39	4	exactly when I I became aware of that. 18:15:31
5	of 170? 18:14:42	5	MR. TERRY: Okay. And and were you 18:15:33
6	THE WITNESS: Not at this time, no. 18:14:44	6	involved in the development of the REA regulatory 18:15:37
7	My current position, since 2013, is the Director of 18:14:45	7	process? 18:15:42
8	Modernization of Approvals Branch. 18:14:49	8	Was that we heard from Ms. Wallace 18:15:43
9	MR. TERRY: Sorry, if you just slow 18:14:51	9	in her her role in that respect and, did you have 18:15:44
10	down, I'm going to write that director of? 18:14:53	10	a particular role, as well? 18:15:47
11	THE WITNESS: The Modernization of 18:14:54	11	THE WITNESS: Yes, I did. The 18:15:48
12	Approvals Branch. 18:14:56	12	business that I was in is issuing of approvals, all 18:15:51
13	MR. TERRY: Modernization, okay. 18:14:56	13	types of approvals for the Ministry of the 18:15:55
14	THE WITNESS: And I have a staff of 18:14:56	14	Environment. 18:15:56
15	about 30 people. 18:14:58	15 16	MR. TERRY: Mm-hmm? 18:15:56
16	MR. TERRY: Okay. 18:15:02		THE WITNESS: And so we had subject 18:15:56
17	THE WITNESS: And our role is to 18:15:02	17	matter experts and in my branch, as well as myself, 18:15:58
18 19	develop programs, approvals programs for the 18:15:05	18 19	with our colleagues from Ms. Wallace's shop and our 18:16:02
	Ministry. 18:15:08		legal services colleagues, that all work 18:16:05
20	MR. TERRY: Okay. 18:15:09	20	collectively to develop the Renewable Energy 18:16:08
21	THE WITNESS: Including renewable 18:15:09	21 22	Approvals Program and the Regulation. 18:16:12
22 23	energy. 18:15:10	23	MR. TERRY: Okay. And so that 18:16:13
24	MR. TERRY: And were you aware, when 18:15:11	24	you would have been involved, for example, in in 18:16:17
25	you were at the MOE in 2008, that the MNR had lifted 18:15:12	25	the policy work that was being done leading up to 18:16:23
۷. ک	the deferral that they had on offshore wind site 18:15:15	23	the introduction of the Green Energy Act in February 18:16:26

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1	of 2009? 18:16:27	1	immediate efforts on the existing technologies that 18:17:34
2	THE WITNESS: Yes, I was. 18:16:28	2	we felt we would be receiving applications for in 18:17:37
3	MR. TERRY: All right. And and 18:16:29	3	the near future. And so we focused very much on our 18:17:40
4	with respect to and so you knew that Offshore 18:16:32	4	On-shore Wind, on bioenergy projects and on solar 18:17:44
5	Wind, obviously, was going to be included as one of 18:16:35	5	projects. 18:17:48
6	the as one of the renewable energy sources for 18:16:38	6	MR. TERRY: Okay. And can you - 18:17:48
7	that? 18:16:42	7	I guess I say this because in paragraph - 18:17:55
8	THE WITNESS: I was aware that 18:16:42	8	paragraph 10 sorry, I'm, maybe, looking at the 18:18:03
9	Offshore Wind was part of the broader renewable 18:16:43	9	wrong I was looking at the wrong witness 18:18:12
10	energy envelope that was considered as part of 18:16:46	10	statement. I apologize. But I believe it's 18:18:14
11	renewable energy for Ontario; yes, I was. 18:16:48	11	paragraph 10 of your witness statement. 18:18:16
12	MR. TERRY: Okay. And did did 18:16:51	12	THE WITNESS: Would that be the 18:18:26
13	you given that, did you, in early 2009 and, 18:16:54	13	first 18:18:27
14	again, I'm not sure exactly what your role was, but 18:17:01	14	MR. TERRY: Right. So paragraph 9, 18:18:27
15	did you or others within your group start working on 18:17:03	15	actually, you say this is your first witness 18:18:28
16	the regulatory framework for Offshore Wind in 18:17:08	16	statement. 18:18:31
17	January, February of 2009? 18:17:11	17	THE WITNESS: Uh-hmm. 18:18:32
18	THE WITNESS: Well, we started working 18:17:12	18	MR. TERRY: (Reading): 18:18:32
19	in the regulatory framework, the subject matter 18:17:14	19	"I first learned of the WWIS 18:18:35
20	experts that we had at the Ministry were folks that 18:17:17	20	project in early 18:18:36
21	were issuing approvals for On-shore Wind for solar 18:17:21	21	April 2010" 18:18:37
22	projects, for bioenergy projects. 18:17:24	22	And you talk about learning about the 18:18:40
23	Offshore Wind, to us, was part of the 18:17:27	23	project, and then you say: 18:18:43
24	vision of renewable energy, something that we would 18:17:29	24	"The offer of a FIT contract 18:18:44
25	be working on at a later stage. We focused our 18:17:31	25	for an offshore wind project 18:18:45
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1	surprised my colleagues and 18:18:48	1	you were aware that others had approached 18:19:46
2	me." 18:18:50	2	THE WITNESS: I was aware of other 18:19:50
3	And I'm just wondering, in terms of 18:18:50	3	Offshore Wind projects being proposed in Ontario, 18:19:52
4	that and this really goes back to trying to 18:18:54	4	yes. 18:19:55
5	understand when it was that you had you really 18:18:56	5	MR. TERRY: Okay. And and were you 18:19:55
6	you knew about the MNR lifting its deferral and you 18:19:01	6	aware that the Minister Cansfield of MNR had 18:19:56
7	knew that there were some people who had applied for 18:19:04	7	written, at the same time, the Green Energy Act, 18:20:01
8	site release for Offshore Wind. 18:19:06	8	regulations were coming out in September of 2009, 18:20:04
9	Had that occurred some time in 2009, 18:19:10	9	had written to everyone who had applied for AOR 18:20:06
10	that you you had learned that? 18:19:11	10	status under the under the Crown Land site 18:20:12
11	THE WITNESS: So I knew about the 18:19:13	11	release process to tell them that if they wanted to 18:20:14
12	moratorium being lifted for Offshore Wind by MNR. 18:19:15	12	be able to maintain their priority in that process, 18:20:17
13	I was not aware of who had applied or 18:19:18	13	that they had to apply for FTT contract? 18:20:20
14	who had received application for record status. 18:19:20	14	Did you know about that? 18:20:22
15	I had none of that information in 18:19:23	15	THE WITNESS: I became aware of that. 18:20:31
16		16	I don't know if I knew it at the time when the 18:20:33
17	front of me. 18:19:24		
1.0	MR. TERRY: Okay. And 18:19:25	17	letter was sent, or if I became aware 18:20:34
18	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26	17 18	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36
19	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26 Offshore Wind projects were from proponents who had 18:19:27	17 18 19	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36 that had applied for application of record status, 18:20:40
19 20	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26 Offshore Wind projects were from proponents who had 18:19:27 approached the Ministry, project proponents who had 18:19:31	17 18 19 20	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36 that had applied for application of record status, 18:20:40 were considered a priority when it if they had 18:20:44
19 20 21	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26 Offshore Wind projects were from proponents who had 18:19:27 approached the Ministry, project proponents who had 18:19:31 approached the Ministry. 18:19:34	17 18 19 20 21	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36 that had applied for application of record status, 18:20:40 were considered a priority when it if they had 18:20:44 applied for a FTT contract. 18:20:48
19 20 21 22	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26 Offshore Wind projects were from proponents who had 18:19:27 approached the Ministry, project proponents who had 18:19:31 approached the Ministry. 18:19:34 At the time when the announcement was 18:19:35	17 18 19 20 21 22	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36 that had applied for application of record status, 18:20:40 were considered a priority when it if they had 18:20:44 applied for a FIT contract. 18:20:48 When I look at considered 18:20:51
19 20 21 22 23	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26 Offshore Wind projects were from proponents who had 18:19:27 approached the Ministry, project proponents who had 18:19:31 approached the Ministry. 18:19:34 At the time when the announcement was 18:19:35 made on the FIT contract offer, I was not aware of 18:19:36	17 18 19 20 21 22 23	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36 that had applied for application of record status, 18:20:40 were considered a priority when it if they had 18:20:44 applied for a FTT contract. 18:20:48 When I look at considered 18:20:51 a priority, as I look at it from my Ministry's 18:20:54
19 20 21 22	MR. TERRY: Okay. And 18:19:25 THE WITNESS: What I knew about 18:19:26 Offshore Wind projects were from proponents who had 18:19:27 approached the Ministry, project proponents who had 18:19:31 approached the Ministry. 18:19:34 At the time when the announcement was 18:19:35	17 18 19 20 21 22	letter was sent, or if I became aware 18:20:34 after-the-fact. But I do understand that projects 18:20:36 that had applied for application of record status, 18:20:40 were considered a priority when it if they had 18:20:44 applied for a FIT contract. 18:20:48 When I look at considered 18:20:51

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1	requirements of our renewable energy approval 18:21:03	1	question. 18:22:10
2	program, and that they were well informed so that 18:21:07	2	If in receiving in receiving 18:22:10
3	they knew what the expectations were and, therefore, 18:21:10	3	that letter, applicants were told, for example, 18:22:15
4	able to submit to us top quality applications that 18:21:12	1	Windstream, who had made an application for Crown 18:22:19
5	we could process. 18:21:15	1	Land site release, they were told that they would 18:22:22
6	MR. TERRY: Right. But but it 18:21:16	1	not be able to keep their priority status if they 18:22:26
7	just you didn't realize at the time and I'm 18:21:18		didn't apply for a FIT contract; right? 18:22:30
8	just trying to restate your evidence in September 18:21:22	8	MS. WATES: I'm not sure the witness 18:22:36
9	of 2009, I take it you didn't know the Ministry of 18:21:25	9	can speak to that since she said she didn't know 18:22:37
10	MNR was telling Crown land site release applicants 18:21:27	I	when she became aware of the letter. 18:22:39
11	that if they wanted to maintain their priority they 18:21:32	11	BY MR. TERRY: 18:22:41
12	had to apply for FIT contract? 18:21:35	12	MR. TERRY: It's fine. I mean, if 18:22:41
13	THE WITNESS: I can't speak to the 18:21:37	13	you're not aware of the letter, I don't need to 18:22:42
14	specific time when I became aware of that. I don't 18:21:39	I	pursue this conversation on issue that. 18:22:45
15	remember when I became aware of it. 18:21:41	15	THE WITNESS: I'm not quite sure what 18:22:48
16	MR. TERRY: Yeah. And the reason I'm 18:21:42	16	your your question is, quite frankly. 18:22:49
17	asking is simply because, obviously, that would have 18:21:43	17	MR. TERRY: I guess I guess what 18:22:51
18	meant that if you would actually have Offshore Wind 18:21:47	18	I'm what I'm misunderstanding, I think it has to 18:22:51
19	applicants applying to the FIT contract process, 18:21:55	19	do with the with, really, the communications 18:22:54
20	right, if you had known that in September of 2009? 18:21:57	20	between MNR and MOE, because what I'm puzzled by is 18:22:55
21	And I said I'm sorry, I'm 18:22:02	21	that you're saying you're saying that you didn't 18:22:58
22	THE WITNESS: I'm not sure 18:22:03	22	expect to have an application come forward for to 18:22:59
23	I understand your question. 18:22:04	23	the FIT you didn't expect a FIT contract to be 18:23:03
24	MR. TERRY: It's getting late in the 18:22:05	24	offered for an offshore developer; correct? 18:23:07
25	day, and I apologize, it was a very badly formulated 18:22:06	25	That's what I understand you to be 18:23:09
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1	saying. 18:23:12	1	and the On-shore Wind sector. 18:24:10
2	THE WITNESS: What I what I would 18:23:13	2	We had very few people call us and 18:24:13
3	say to you is that because I'm not part of the 18:23:13	3	talk to us about Offshore Wind. And so we knew that 18:24:16
4	FIT contract process 18:23:17	4	in the long-term, that was something that we could 18:24:18
5	MR. TERRY: Right. 18:23:17	5 6	expect and something we would work towards. 18:24:18
6	THE WITNESS: I can't tell you what 18:23:17		But our priority was really about 18:24:22
7 8	I would expect under the FIT contract. 18:23:19	7 8	focusing on the project proponents and the 18:24:24
9	What I would say to you is that my 18:23:22	9	applicants that were contacting us now to make sure 18:24:25
10	Ministry and I did not expect, at my Ministry, to 18:23:23	10	we had the proper programs in place and the proper 18:24:29
11	see an application for an Offshore Wind project, at 18:23:27	11	approval requirements in place so that we could 18:24:31
12	least until one or two years down the road. 18:23:29 We introduced a new regulation 18:23:32	12	fulfill our requirement our commitments to 18:24:34 supporting renewable energy. 18:24:36
13	September 20 of 2009, and at the same time as we 18:23:34	13	MR. TERRY: Okay. In your witness 18:24:39
14	introduced that new regulation, we were still 18:23:38	14	statement, you talk about and Mr. President, I'm 18:24:40
15	building the program. So we were doing program 18:23:40	15	aware of the time here, I can probably move through 18:24:44
16	development and teaching people, project proponents, 18:23:43	16	fairly quickly, but if you want, we could also stop 18:24:47
17	consultants, municipalities, the public, about what 18:23:46	17	and continue first thing tomorrow? 18:24:50
18	the new program would be about, we were trying as 18:23:49	18	PRESIDENT: You have some time. 18:24:54
19	we were trying to deliver the program. 18:23:51	19	MR. TERRY: Okay. 18:24:56
20	And so, quite frankly, our focus was 18:23:52	20	BY MR. TERRY: 18:24:58
21	on the kinds of technologies, the types of 18:23:55	21	MR. TERRY: If you could turn, in your 18:24:58
22	applications that historically we had dealt with, 18:23:57	22	witness statement, to paragraph 21; I just want to 18:24:59
23	and so that's what we expected we would see in front 18:24:00	23	briefly go through certain interactions that you 18:25:06
24	of us because the people who were contacting us were 18:24:03	24	describe here. 18:25:09
25	people from the solar sector, the bioenergy sector, 18:24:08	25	And in paragraph 21, you're talking 18:25:12
	FF-3 Holl all solar sociol, the olderergy sector, 10.27.00		. ma m panagraph 21, jours mining 10,25.12

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1	about a MOE attended a meeting with with other 18:25:13	1	THE WITNESS: That's correct. 18:26:32
2	ministries, Ministry of Energy and Infrastructure, 18:25:20	2	MR. TERRY: And did he communicate any 18:26:33
3	Ministry of Natural Resources with Windstream, at 18:25:24	3	regulatory uncertainty at that meeting? 18:26:33
4	that time. 18:25:25	4	I don't see any reference in your 18:26:37
5	And you explain here, and this was 18:25:26	5	witness statement to that. 18:26:37
6	a this was a meeting where you've read Mr. Baines 18:25:31	6	THE WITNESS: My understanding from 18:26:40
7	witness' statement and you know he he his 18:25:35	7	the the my recollection of that meeting, the 18:26:40
8	recollection was that Ministry staff advised 18:25:37	8	conversation I had with Mr. Mahmood, after the 18:26:42
9	Windstream of their support for the project. 18:25:41	9	meeting, was that the meeting was a very high level 18:26:44
10	Did you read his have you read his 18:25:43	10	meeting where we got an overview of what the project 18:26:47
11	witness statement and seen that statement? 18:25:49	11	was about. 18:26:49
12	THE WITNESS: Yes, I have. 18:25:50	12	There wasn't any specific 18:26:51
13	MR. TERRY: Yes? Okay. And you 18:25:51	13	conversations with regards to the regulatory 18:26:52
14	you didn't attend the meeting, and Mr. Mansoor 18:25:58	14	requirements. The specifics in terms of what 18:26:54
15	Mahmood is not a witness here today, obviously. 18:26:01	15	Windstream would be required to comply with. 18:26:58
16	I take it he's a he's a member of 18:26:11	16	The commitment, if any, that was made 18:26:59
17	your team? 18:26:12	17	by Mr. Mahmood would have been a commitment that we 18:27:02
18	THE WITNESS: Mr. Mahmood, at the 18:26:14	18	are here to work with you to ensure that you 18:27:05
19	time, was the manager of the renewable energy 18:26:15	19	understand the regulatory requirements, and that you 18:27:08
20	team 18:26:17	20	can meet those requirements so that an REA can be 18:27:10
21	MR. TERRY: Okay. 18:26:17	21	issued to the project if that's appropriate at the 18:27:13
22	THE WITNESS: in the Approvals 18:26:17	22	time when we review the application. 18:27:16
23	Program. 18:26:18	23	MR. TERRY: Okay. And then, in 18:27:18
24	MR. TERRY: And you say he confirmed 18:26:19	24	paragraph 22, you talk here about another meeting on 18:27:21
25	to me that he made no commitments at the meeting? 18:26:21	25	June 15th. And then you explain in the lead up, you 18:27:29
	D 200		
	Page 390		Page 391
1	spoke to someone from Ortech Consulting; is that 18:27:31	1	Page 391 for the project was? 18:28:42
1 2	-	1 2	•
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1	being made, that we would end up, in all likeliness, 18:29:49	1	pressures, so that we could get through this process 18:30:48
2	in a situation where we would have a multitude of 18:29:51	2	as expeditiously as possible. 18:30:51
3	applications at the same time to review and process, 18:29:54	3	But at no time did we make 18:30:53
4	and make decisions on. 18:29:57	4	a commitment with regards to expediting the 18:30:54
5	So our practice became very quickly, 18:29:58	5	application, or this application, or any other 18:30:57
6	and early in the program, to ask project proponents 18:30:00	6	application. 18:30:59
7	what their drop-dead dates were with regards to 18:30:04	7	At the time, with the workload that 18:30:59
8	financing, to power agreements, et cetera, so we had 18:30:07	8	was facing us, this being a new program, new 18:31:02
9	a better understanding of what the pressures they 18:30:09	9	challenges for staff, we were very, very careful in 18:31:04
10	were facing and how that would translate to 18:30:11	10	making no commitments, or very few commitments when 18:31:07
11	pressures on our workload because we had a limited 18:30:14	11	it came to expeditious reviews of applications. 18:31:10
12	group of people available to review these 18:30:17	12	MR. TERRY: Okay. And and then, 18:31:14
13	applications and we wanted to make sure that we 18:30:19	13	you talk about another meeting on paragraphs 26 and 18:31:16
14	could process them, in as timely a fashion as 18:30:21	14	27, October 29th, 2010, it is the Fall of 2010, and 18:31:21
15	possible. 18:30:25	15	you describe what Windstream says at that meeting 18:31:26
16	And so our reason for asking the 18:30:25	16	and and you say at the end of paragraph 27: 18:31:29
17	question was to be able to assess when we could 18:30:27	17	"I listened to Windstream's 18:31:32
18	expect applications, understand the pressures for 18:30:29	18	presentation but made no 18:31:33
19	the project proponents, so that we could continue 18:30:33	19	commitments." 18:31:35
20	supporting them through the Renewable Energy 18:30:38	20	And I assume that accurately describes 18:31:36
21	Approval process that had been established in 18:30:39	21	your role at the meeting? 18:31:40
22	Ontario. 18:30:41	22	THE WITNESS: That's correct. 18:31:41
23	Recognizing that it was a new process 18:30:42	23	MR. TERRY: Okay. And and I take 18:31:42
24	for everyone involved, we wanted to make sure that 18:30:43	24	it you didn't tell Windstream a moratorium was 18:31:44
25	we understood their pressures, they understood our 18:30:46	25	coming? 18:31:49
	Page 394		Page 395
1	Page 394 THE WITNESS: No, because I wasn't 18:31:51	1	THE WITNESS: Uh-hmm? 18:33:15
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	Daga 206		Page 397
_	Page 396		•
1	THE WITNESS: Okay? That relies 18:34:03	1	understanding, at that time, was that these reports 18:35:13
2	that stays with our standards development branch, 18:34:03	2	would be carried out within that timeframe? 18:35:15
3	that is their responsibility and their 18:34:06	3	THE WITNESS: That would be the 18:35:18
4	accountability. 18:34:10	4	proposal that was put forward. 18:35:19
5	MR. TERRY: Okay. Now, this this 18:34:11	5	MR. TERRY: Okay. And in terms of 18:35:22
6	document you've got you will see that there's 18:34:12	6	this proposal, if I just flip through these 18:35:23
7	a number of reports on noise that are to be done, 18:34:17	7	documents and I on C-1107, we see as of 18:35:25
8	four reports on noise; there are reports on water 18:34:20	8	July 2013, the noise RFP is is essentially ready 18:35:33
9	and sediment quality, technical standards and safety 18:34:22	9	to go? 18:35:39
10	and decommissioning; and the idea, as I can see the 18:34:26	10	MS. WATES: Mr. Terry, if you could 18:35:43
11	the timeline here at the last page was to, if I'm 18:34:29	11	just give the tab numbers to the witness. 18:35:44
12	reading this correctly, to initiate work in the Q3, 18:34:35	12	BY MR. TERRY: 18:35:46
13	third quarter of 2013, 2014, and have final report 18:34:39	13	MR. TERRY: Oh, sorry. I apologize. 18:35:46
14	on Q4, 2013, 2014? 18:34:43	14	Thanks for the reminder. It's tab 18:35:47
15	THE WITNESS: That's with regards to 18:34:47	15	PRESIDENT: Mr. Terry, you have we 18:35:49
16	the decommissioning and valuation of financial 18:34:50	16	have five minutes 18:35:50
17	assurance. 18:34:52	17	MR. TERRY: Okay. 18:35:51
18	MR. TERRY: Okay. And we can see - 18:34:54	18	PRESIDENT: then we will need to 18:35:51
19	yeah, I apologize for that. I looked to the very 18:34:54	19	stop. 18:35:53
20	end. But there's similar timelines on each of these 18:34:54	20	BY MR. TERRY: 18:36:00
21	reports; not not similar by actual year, but 18:34:57	21	Q. Tab 14, July 2013, the it says. 18:36:01
22	they're it is set out, in each one. Some of them 18:35:00	22	"The noise RFP is officially 18:36:02
23	are 2014, some are 2015, some involve reports in Q3, 18:35:02	23	complete" 18:36:05
24	2015, 2016. 18:35:08	24	You've drafted of the approval memo? 18:36:05
25	So I assume this was the 18:35:11	25	A. Yes. 18:36:07
	Page 308		Paga 300
	Page 398		Page 399
1	BY MR. TERRY: 18:36:07	1	document, which is Tab 16, C-1137, we see we 18:37:13
2	BY MR. TERRY: 18:36:07 Q. Okay. And then, if I turn over to 18:36:07	2	document, which is Tab 16, C-1137, we see we 18:37:13 spoke to CO again, and CO is what would the CO 18:37:25
2	BY MR. TERRY: 18:36:07 Q. Okay. And then, if I turn over to 18:36:07 the next tab, this Tab 15, C-1146. I see here 18:36:13	2 3	document, which is Tab 16, C-1137, we see we spoke to CO again, and CO is what would the CO 18:37:25 be? 18:37:29
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2 3 4 5	BY MR. TERRY: 18:36:07 Q. Okay. And then, if I turn over to 18:36:07 the next tab, this Tab 15, C-1146. I see here 18:36:13 that there's a reference to the PO, and then I've 18:36:18 got a PO is Premier's Office; is that correct? 18:36:21	2 3 4 5	document, which is Tab 16, C-1137, we see we 18:37:13 spoke to CO again, and CO is what would the CO 18:37:25 be? 18:37:29 A. Cabinet Office. 18:37:31 Q. Cabinet Office. Okay. And we 18:37:31
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2 3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. TERRY: Q. Okay. And then, if I turn over to 18:36:07 the next tab, this Tab 15, C-1146. I see here 18:36:13 that there's a reference to the PO, and then I've 18:36:18 got a PO is Premier's Office; is that correct? 18:36:21 A. That's correct. 18:36:23 Q. 18:36:24 These is this one? (sotto voce) 18:36:25 It doesn't show up on 18:36:25 MS. WATES: Yes. It's marked as 18:36:38 "Confidential" on the index. Tab 15, is that what 18:36:38 you have? 18:36:41 MR. TERRY: Okay. It wasn't on mine. 18:36:42 I apologize. 18:36:44 MR. NEUFELD: I think you have the 18:36:44 non-marked version in your binder there. 18:36:46 MR. TERRY: I'm content if we go if 18:36:48 these are going to all cause problems here, I am 18:36:48 happy to just go off feed to finish this quickly. 18:36:55 feed. 18:36:56 Confidential transcript begins 18:36:58	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	document, which is Tab 16, C-1137, we see we 18:37:13 spoke to CO again, and CO is what would the CO 18:37:25 be? 18:37:29 A. Cabinet Office. 18:37:31 Q. Cabinet Office. Okay. And we 18:37:31 spoke to cabinet office and Cabinet Office is 18:37:34 what? 18:37:36 How would you just describe it for 18:37:37 the Tribunal members here who aren't from Ontario. 18:37:39 A. I have to think about how to 18:37:46 describe Cabinet office. 18:37:48 So the Chief civil servant in Ontario 18:37:49 is the Secretary of Cabinet, and so he has an office 18:37:52 of staff who have different areas of expertise and 18:37:55 provide advice to the Secretary of Cabinet and to 18:37:58 the Cabinet of the Government of Ontario. 18:38:02 And so Cabinet Office is made up of 18:38:05 civil servants who review, provide advice, provide 18:38:10 Q. Okay. And this says "We spoke" 18:38:16 this is to between your various people at your 18:38:20 Ministry, as I understand it, and it says: 18:38:31 "We spoke to CO again about 18:38:32
2 3 4 5 6 7 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. TERRY: Q. Okay. And then, if I turn over to 18:36:07 the next tab, this Tab 15, C-1146. I see here 18:36:13 that there's a reference to the PO, and then I've 18:36:18 got a PO is Premier's Office; is that correct? 18:36:21 A. That's correct. 18:36:23 Q. 18:36:24 These is this one? (sotto voce) 18:36:25 It doesn't show up on 18:36:25 MS. WATES: Yes. It's marked as 18:36:38 "Confidential" on the index. Tab 15, is that what 18:36:38 you have? 18:36:41 MR. TERRY: Okay. It wasn't on mine. 18:36:42 I apologize. 18:36:44 MR. NEUFELD: I think you have the 18:36:44 non-marked version in your binder there. 18:36:48 these are going to all cause problems here, I am 18:36:48 happy to just go off feed to finish this quickly. 18:36:52 PRESIDENT: Okay. We go we go off 18:36:55 feed. 18:36:56	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	document, which is Tab 16, C-1137, we see we 18:37:13 spoke to CO again, and CO is what would the CO 18:37:25 be? 18:37:29 A. Cabinet Office. 18:37:31 Q. Cabinet Office. Okay. And we 18:37:31 spoke to cabinet office and Cabinet Office is 18:37:34 what? 18:37:36 How would you just describe it for 18:37:37 the Tribunal members here who aren't from Ontario. 18:37:39 A. I have to think about how to 18:37:46 describe Cabinet office. 18:37:48 So the Chief civil servant in Ontario 18:37:49 is the Secretary of Cabinet, and so he has an office 18:37:52 of staff who have different areas of expertise and 18:37:55 provide advice to the Secretary of Cabinet and to 18:37:58 the Cabinet of the Government of Ontario. 18:38:02 And so Cabinet Office is made up of 18:38:05 civil servants who review, provide advice, provide 18:38:10 Q. Okay. And this says "We spoke" 18:38:16 this is to between your various people at your 18:38:20 Ministry, as I understand it, and it says: 18:38:31

Page 400 Page 401 1 1 --- Confidential transcript ends 18:39:50 again to PO but I mentioned 18:38:38 2 2 BY MR. TERRY: that may be 18:40:02 3 MR. TERRY: So the document C-1113, 18:40:03 4 C-1117, C-1130, C-1143, and C-1172, are all, as we 18:40:04 5 18:38:44 understand, discussions about the science and there 18:40:16 My question on this is simply: Do you 18:38:45 6 6 is information here redacted, I understand, for 18:40:21 7 7 know why the Cabinet Office and the Premier's Office 18:38:48 privilege reasons. 8 were involved in these discussions about whether to 18:38:51 8 If you could turn back to C-1130, 18:40:26 9 9 do these studies? 18:38:53 which is Tab 21, because this is a -- this is a -- 18:40:28 10 1.0 A. I was not involved in these 18:38:55 an email from you. And, listen, I don't want you to 18:40:37 11 conversations and in this deliberation, so I'm not 18:38:56 11 reveal privileged information, but could you tell 18:40:39 12 12 in a position to tell you why or how Cabinet Office 18:38:59 me, to the extent you're able, without revealing 18:40:42 13 or Premier's Office would have been involved in 18:39:02 13 that information, what this -- what was being 18:40:47 14 14 18:40:49 18:39:07 discussed here? 15 15 My only comment to you would be that 18:39:07 You're smiling? 18:40:53 16 16 as a senior executive, that they would be made aware 18:39:09 THE WITNESS: Because I have no idea. 18:40:55 17 17 MR. TERRY: Okay. of the work that was happening in the Ministry, and 18:39:11 18:40:57 18 it's a way of keeping them informed. 18:39:14 18 THE WITNESS: It's redacted. 18:40:58 19 But I -- I can't speak to the 18:39:16 19 If I had a subject line, one line, 18:40:59 20 20 specifics of the situation, unfortunately. 18:39:19 I might -- unfortunately, my ability to retain all 18:41:01 21 21 Q. Okay. And if I turn to -- there 18:39:21 of the emails that I get is not that good. I'm very 18:41:06 22 22 is a series of documents starting at Tab 19. There 18:39:30 old-fashioned. I write stuff and that's how 18.41.10 23 23 is a C-1113 -- oh, we can go back on feed now 18:39:36 I retain stuff. So emails come in and out, and I'm 18:41:13 24 because these are blacked out, these documents. So 18:39:44 24 not in a position to tell you what was in these 18:41:16 25 I think we're -- we're safe here. 18:39:49 25 emails. I'm sorry. 18:41:19 Page 402 Page 403 1 1 MR. TERRY: Okay. So this is have received some of those reports in draft form, 18:42:21 2 2 February 2014. When is it that you -- you mentioned 18:41:21 but I can't speak to what's specifically in here. 18:42:25 3 3 that the -- that issues with respect to science and 18:41:24 Right now, they are completing that 18:42:29 4 these sort of studies was, now, no longer -- or was 18:41:27 4 work. Once that work is completed, then we will 18:42:30 5 it with the science branch, instead of your branch; 18:41:31 5 look at that work to be able to move forward with 18:42:33 6 what's the last date that you would have been 6 program development. 18:42:35 18:41:34 7 involved in -- in the process of going and having 7 PRESIDENT: Mr. Terry, we are on 18:41:36 18:42:38 8 8 these science studies carried out? 18:41:41 borrowed time now, so --18:42:40 9 9 THE WITNESS: So the science studies 18:41:44 MR. TERRY: Can I ask -- really, I 18:42:43 10 10 have always been the responsibility of our standards 18:41:45 just have one question. 18:42:43 11 11 18:41:48 development branch. PRESIDENT: One question. 18:42:44 12 12 MR. TERRY: Uh-hmm? 18:41:49 BY MR. TERRY: 18:42:44 13 13 THE WITNESS: In a program development 18:41:49 Q. One question. 18:42:45 14 14 area, what you do is you ensure that when there is 18:41:50 Are you aware, because this is what 18:42:45 15 a program being developed, that all the experts that 18:41:53 15 we've been told by Canada on behalf of Ontario, that 18:42:47 16 16 are required across the Ministry are undertaking 18:41:55 two of those studies have been done in draft, but 18:42:50 17 17 their work and they're accountable for that work. 18:41:59 Ontario, at least in the near term, is not going to 18:42:53 18 With regards to my role in the 18:42:01 18 proceed with any further research with respect to 18:42:56 19 19 renewable energy program and the program development 18:42:04 the science for Offshore Wind, or is that the first 18:42:58 20 work, I am aware that our colleagues in standards 20 18:42:06 time you're hearing this? 18:43:01 21 21 development branch have moved forward with the 18:42:10 THE WITNESS: I'm aware of the two 18:43:03 22 22 studies have been completed in draft form. Okay? 18:43:05 decommissioning report and the financial assurance 18:42:13 23 23 report. I'm not aware of the status as to whether or not, or 18:43:07 24 24 how, Ontario's proceeding with further studies. I know that they have also moved 18:42:17 18:43:10 25 25 forward with one of the noise studies and that they 18:42:19 MR. TERRY: Okay. That's my question. 18:43:15

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1 PRESIDEN	NT: Thank you very much. 18:43:18	1	friends give some notices to what the exact issue 18:44:39
	ons from redirect? 18:43:18	2	is, not now, but before we argue it just so we can 18:44:42
	w. So you have completed. 18:43:37	3	have adequate time to understand the position and we 18:44:46
	e witness for tomorrow? 18:43:37	4	can respond rather than doing it on the flight. 18:44:49
5 MR. TERR	RY: No need, from my 18:43:40	5	PRESIDENT: About the procedural issue 18:44:52
6 understanding.	18:43:40	6	that they wish to raise? 18:44:53
_	NT: Okay. That's fine. 18:43:42	7	MR. TERRY: Yes, just because we don't 18:44:55
	ES: No, nothing from us. 18:43:59	8	have 18:44:56
⁹ Thank you.	18:43:59	9	PRESIDENT: It is always preferable if 18:44:57
	NT: Nothing further? Okay. 18:43:59	10	the counsel confirm before they approach the 18:44:58
	olleagues? Okay. Thank you very 18:43:59	11	Tribunal. So if if there's a way of settling 18:45:01
12 much.	18:43:59	12	these issues before before tomorrow morning, that 18:45:05
	NESS: Thank you. 18:43:59	13	would be better, of course. 18:45:07
	VT: That concludes your 18:43:59	14	MR. TERRY: Thank you. 18:45:09
	imais. Thank you and good 18:44:00	15	PRESIDENT: So tomorrow morning we 18:45:09
evening.	18:44:01	16	we start with with WSP. And has there been 18:45:11
e , emily.	eed to stop. So I'm afraid 18:44:01	17	a change? 18:45:22
	procedural motions for tomorrow 18:44:15	18	MS. SEERS: Yes, actually, 18:45:24
	ave bit more a bit more time. 18:44:19	19	Mr. President, we'll be starting with very brief 18:45:24
9	estand we are well beyond 18:44:23	20	the recall of Mr. Perry Cecchini because he he, 18:45:27
	hours today. So you will have 18:44:24	21	unfortunately, is not available past tomorrow, so we 18:45:29
- ·	ly after midnight. Okay. Thank 18:44:30	22	are proposing to start with him and then move to 18:45:33
23 you.	18:44:34	23	WSP. 18:45:35
<i>j</i> • u .	RY: And one more thing in the 18:44:36	24	PRESIDENT: And that has been agreed 18:45:36
	I could ask for you, that my 18:44:37	25	between counsel? Okay. So, Mr. Cecchini, back 18:45:37
procedural matter, in	reduce the four date my 10.11.57		between courser. Okay. 50, Mr. eccennii, back 10.45.57
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1 tomorrow morning.	. 18:45:41		
Č	my question was about WSP. 18:45:41		
	Roberts alone? Or because 18:45:43		
	tually don't have indication of 18:45:47		
	be more than one expert for each 18:45:50		
6 of these.	18:45:54		
	RS: It is only Mr. Andrews 18:45:56		
	nd Mr. Mark Kolberg for 18:45:58		
9 Baird.	18:46:03	1	
	NT: Okay. Thank you very 18:46:04		
	des today. Good evening. 18:46:04	1	
	proceedings concluded at 6:46 p m.		
13	г	1	
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