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 Monday, February 22, 2016 at 9:03 a.m.

FULL TRANSCRIPT (including confidential and restricted access information)

VOLUME 7 - 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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	Page 4		Page 5
1	Toronto, Ontario	1	have all this paper floating around, you should have 09:04:09
2	Upon resuming on Monday, February 22, 2016	2	received an additional three tabs for your binder 09:04:11
3	at 9:03 a m.	3	and a new index, right? 09:04:15
4	PRESIDENT: Good morning. We were in	4	A. I confirmed I have those. 09:04:15
5	that middle of the examination of Mr. Clarke, but	5	Q. So, we'll have your presentation. 09:04:18
6	before we start or before we continue, were there	6	Ms. Nettleton was kind enough to give me a copy 09:04:20
7	any housekeeping issues to be raised by either	7	because I forgot mine at the office, unfortunately. 09:04:23
8	party?	8	And you have the large copy of the Windstream 09:04:27
9	MR. NEUFELD: Just quickly we've	9	schedule, your reports. If we need anything else 09:04:31
10	considered the matter of Sue Lo being a witness and	10	we'll let you know and we'll find it. 09:04:33
11	we won't be calling her either. So it seems like we	11	And so just to close the loop then on 09:04:42
12	will be able to make up some time in the schedule	12	a few items that is we began discussing yesterday. 09:04:45
13	then.	13	You will recall we discussed the setback from and 09:04:47
14	PRESIDENT: So otherwise, the program	14	the interpretation that you implied that it was 09:04:51
15	for Tuesday remains the same, so we will start with	15	going to be applicable from uninhabited islands, 09:04:57
16	Deloitte and Mr. Low. Anything on the Claimant	16	uninhabited peninsulas, uninhabited spits, right? 09:05:02
17	side?	17	A. I said from the shoreline. 09:05:06
18	MS. SEERS: Nothing for the Claimant.	18	Q. From the shoreline. So you will 09:05:08
19	Thank you.	19	recall that we discussed that matter in connection 09:05:10
20	PRESIDENT: Thank you. Ms. Seers.	20	with drinking water; I'd just like to discuss it in 09:05:12
21	PREVIOUSLY AFFIRMED: GARETH DE VILLIERS CLARKE	21	connection with noise now. Are you the right person 09:05:16
22	CONTINUED CROSS-EXAMINATION BY MS. SEERS	22	to direct those questions to? 09:05:19
23	Q. Good morning, Mr. Clarke. 09:04:04	23	A. I am not a noise expert. 09:05:20
24	A. Good morning. 09:04:05	24	Q. I understand? 09:05:22
25	Q. Just for housekeeping, because we 09:04:05	25	A. But I am familiar with the 09:05:23
	Page 6		Page 7
1	principles, shall we say. 09:05:24	1	A. What I can do is state what I've 09:06:41
2	Q. So are you aware then, sir, of any 09:05:25	2	11. 1
3	00.05.20		read in the 09:06:43
4	reason relating to noise, why a five-kilometre 09:05:28	3	Q. I'm asking for your opinion though 09:06:45
	setback would be applied from an uninhabited island? 09:05:31	4	Q. I'm asking for your opinion though 09:06:45 because you're here as the expert? 09:06:46
5	setback would be applied from an uninhabited island? 09:05:31 A. From an uninhabited small island, 09:05:41	4 5	Q. I'm asking for your opinion though 09:06:45 because you're here as the expert? 09:06:46 A. No, I'm I'm advised that I'm 09:06:48
5 6	setback would be applied from an uninhabited island? 09:05:31 A. From an uninhabited small island, 09:05:41 no. 09:05:44	4 5 6	Q. I'm asking for your opinion though 09:06:45 because you're here as the expert? 09:06:46 A. No, I'm I'm advised that I'm 09:06:48 not a noise expert. 09:06:50
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23 And my first question is the only 09:11:01 24 when you say "Similar projects" at the top of this, 09:11:02 25 was located; correct? 09:12:04 26 A. Correct. 09:12:06 27 O. So, for example, if the if this 09:12:07	22			
when you say "Similar projects" at the top of this, 09:11:02	23			
25 the only data filter that I can see is that you 09:11:06	24			
	25	the only data filter that I can see is that you 09:11:06		Q. 50, 101 example, if the - if this 07.12.07

	Page 12		Page 13
1	particular project was in a jurisdiction where the 09:12:10	1	respect of the UK round 3 projects we'll get into 09:13:19
2	first gating item, if you will, or the very first 09:12:14	2	this in more detail later, but I just want to 09:13:23
3	step in developing an offshore wind project was 09:12:17	3	confirm your understanding while we're talking about 09:13:26
4	obtaining the permit and subsequent steps followed 09:12:19	4	this chart. You're not aware that for those 09:13:28
5	from that, that's the date that you've used to 09:12:22	5	projects the development cycle that's contemplated 09:13:31
6	prepare this information; correct? 09:12:25	6	in the applicable guidelines or the applicable 09:13:34
7	A. I believe so, yes. I'm not aware 09:12:29	7	regulations is equally quite protracted after you 09:13:37
8	of a permitting of a regime where the that 09:12:30	8	get the permitting in question; you are not aware of 09:13:40
9	particular scenario that you've suggested applies. 09:12:35	9	that, sir? 09:13:44
10	Q. You're not aware of a regime where 09:12:39	10	A. Again, my understanding is that 09:13:44
11	that particular are you aware of the regime that 09:12:41	11	that's protracted after they get their license 09:13:45
12	applies in that applied in the UK for the round 3 09:12:44	12	to develop the site as opposed to their permits. 09:13:48
13	offshore wind project, sir? 09:12:47	13	Q. Let's leave that topic for now 09:13:51
14	A. They received licenses; they did 09:12:49	14	then and we'll come back it later, because it's 09:13:53
15	not receive they were not fully permitted. 09:12:51	15	actually quite important, but for now I just want to 09:13:56
16	Q. They were not fully so when 09:12:55	16	focus on what's in this chart. 09:13:59
17	you when we're talking about UK projects, sir, in 09:12:57	17	So I guess my first question to you is 09:14:00
18	this chart and they're not identified, so we don't 09:13:00	18	simply to help us understand it because I've got to 09:14:02
19	know which they are. When we're talking about those 09:13:04	19	tell you I don't. 09:14:05
20	UK projects, is the start date that you've indicated 09:13:06	20	I do not understand what these 09:14:11
21 22	here the date of the license or the date of the 09:13:10	21 22	various what these various bars mean and so with 09:14:13
23	environmental assessment? 09:13:12 A. The date of the environment 09:13:13	23	apologies for turning cross-examination into 09:14:14
24	permit, in my understanding. 09:13:15	24	discovery, if you would please explain what the bars 09:14:18 represent for us, that would be very helpful. 09:14:21
25	Q. And you're not aware that in 09:13:17	25	A. What the bars represent is of the 09:14:24
	Q. That you're not aware that in 07.13.17		71. What the bars represent is of the 07.14.24
	Page 14		Page 15
1	Page 14 sample size, and offhand, I can't tell you what it 09:14:27	1	Page 15 accurate, so I'm sorry if there's 09:15:50
1 2	sample size, and offhand, I can't tell you what it 09:14:27 is. It is in one of the appendices in our the 09:14:32	1 2	•
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2 3 4 5 6 7 8 9 10 11 12	sample size, and offhand, I can't tell you what it 09:14:27 is. It is in one of the appendices in our — the 09:14:32 full details are in one of the appendices in our 09:14:36 report. So, if you take the first bar there, which 09:14:40 is, I guess, somewhere around about 8 percent, would 09:14:46 that — would you agree on 09:14:49 Q. The first bar — yeah, that's 09:14:53 probably right. 09:14:55 A. I'm saying about 8 percent. So of 09:14:56 the sample size, 8 percent was achieved financial 09:14:58 close within 36 months. 09:15:04 Q. From the start date of permitting 09:15:06	2 3 4 5 6 7 8 9 10 11	accurate, so I'm sorry if there's 09:15:50 misunderstanding 09:15:50 A. What I'm saying is all projects 09:15:51 within the dataset were completed within 132 months. 09:15:52 Q. So you thought it was significant 09:15:55 to show a bar at the end that says "Within 132 09:15:57 months, all projects were permitted," even though it 09:16:01 may be that 90 percent of them were actually 09:16:04 permitted within a much shorter period of time? 09:16:07 MS. SQUIRES: I apologize for 09:16:10 interjecting here, but if Ms. Seers has questions on 09:16:11 the underlying data, it's included in appendix 4. 09:16:14
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	sample size, and offhand, I can't tell you what it 09:14:27 is. It is in one of the appendices in our — the 09:14:32 full details are in one of the appendices in our 09:14:36 report. So, if you take the first bar there, which 09:14:40 is, I guess, somewhere around about 8 percent, would 09:14:46 that — would you agree on 09:14:49 Q. The first bar — yeah, that's 09:14:53 probably right. 09:14:55 A. I'm saying about 8 percent. So of 09:14:56 the sample size, 8 percent was achieved financial 09:14:58 close within 36 months. 09:15:04 Q. From the start date of permitting 09:15:06 that you've defined? 09:15:08 A. From the time of receipt of 09:15:10 permitting, yes. 09:15:11 Q. Regardless of the jurisdiction, 09:15:12 whether they may have different requirements? 09:15:14 A. It was the full database. So as 09:15:16 I — let's go to the end with are it says "132," so 09:15:18 132 months. As a layperson, I look at this data — 09:15:22 when I look at this data, I have the impression that 09:15:28 what you are saying from this data is that 09:15:32	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	accurate, so I'm sorry if there's misunderstanding A. What I'm saying is all projects 09:15:51 within the dataset were completed within 132 months. 09:15:52 Q. So you thought it was significant 09:15:55 to show a bar at the end that says "Within 132 09:15:57 months, all projects were permitted," even though it 09:16:01 may be that 90 percent of them were actually 09:16:04 permitted within a much shorter period of time? 09:16:07 MS. SQUIRES: I apologize for 09:16:10 interjecting here, but if Ms. Seers has questions on 09:16:11 the underlying data, it's included in appendix 4. 09:16:14 Each individual project is listed with each 09:16:17 individual project's lead time. So if there's 09:16:20 an issue with reading the graph, the actual numbers 09:16:22 are provided in the index or in appendix. Sorry. 09:16:25 MS. SEERS: I understand that. Thank 09:16:26 you. 09:16:26 PRESIDENT: These are actually fair 09:16:26 questions about how this chart should be read. 09:16:30 MS. SEERS: I'm asking about really 09:16:31
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	sample size, and offhand, I can't tell you what it 09:14:27 is. It is in one of the appendices in our — the 09:14:32 full details are in one of the appendices in our 09:14:36 report. So, if you take the first bar there, which 09:14:40 is, I guess, somewhere around about 8 percent, would 09:14:46 that — would you agree on 09:14:49 Q. The first bar — yeah, that's 09:14:53 probably right. 09:14:55 A. I'm saying about 8 percent. So of 09:14:56 the sample size, 8 percent was achieved financial 09:14:58 close within 36 months. 09:15:04 Q. From the start date of permitting 09:15:06 that you've defined? 09:15:08 A. From the time of receipt of 09:15:10 permitting, yes. 09:15:11 Q. Regardless of the jurisdiction, 09:15:12 whether they may have different requirements? 09:15:14 A. It was the full database. So as 09:15:16 I — let's go to the end with are it says "132," so 09:15:18 132 months. As a layperson, I look at this data — 09:15:22 when I look at this data, I have the impression that 09:15:28 what you are saying from this data is that 09:15:32	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	accurate, so I'm sorry if there's misunderstanding A. What I'm saying is all projects 09:15:51 within the dataset were completed within 132 months. 09:15:52 Q. So you thought it was significant 09:15:55 to show a bar at the end that says "Within 132 09:15:57 months, all projects were permitted," even though it 09:16:01 may be that 90 percent of them were actually 09:16:04 permitted within a much shorter period of time? 09:16:07 MS. SQUIRES: I apologize for 09:16:10 interjecting here, but if Ms. Seers has questions on 09:16:11 the underlying data, it's included in appendix 4. 09:16:14 Each individual project is listed with each 09:16:20 an issue with reading the graph, the actual numbers 09:16:22 are provided in the index or in appendix. Sorry. 09:16:25 MS. SEERS: I understand that. Thank 09:16:26 you. 09:16:26 PRESIDENT: These are actually fair 09:16:26 questions about how this chart should be read. 09:16:27 THE WITNESS: You're right. 09:16:30

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	Page 16		Page 17
1	and he's actually in a very good position to be 09:16:41	1	A. Yeah. 09:17:50
2	discussing the data and he will do so in his 09:16:44	2	Q. And same thing 09:17:51
3	presentation. 09:16:46	3	A. I clearly, I don't know that 09:17:53
4	BY MS. SEERS: 09:16:46	4	that's absolutely detailed within the appendix, yes. 09:17:53
5	Q. My question my question my 09:16:47	5	Q. Right. And I we can get to the 09:17:56
6	question is actually in terms of how that data has 09:16:52	6	data after, but I'm just really asking you questions 09:17:58
7	been communicated into a demonstrable and what 09:16:55	7	about how the data is being depicted on this chart. 09:18:00
8	what we can glean from this demonstrable, if 09:16:58	8	And it's possible also then that at 09:18:06
9	anything. 09:17:02	9	the 126-month mark, it's possible that that's only 09:18:08
10	A. Okay. If I try to turn it around 09:17:02	10	a few projects as well; right? You don't 09:18:12
11	to explain it in a different way. 09:17:04	11	A. Yeah. That's correct, yeah. 09:18:15
12	Effectively, what this says is that of 09:17:09	12	Q. You don't necessarily 09:18:16
13	that sample, the longest time that the project took 09:17:11	13	A. That's correct. I mean, if you 09:18:17
14	from the point of receiving permitting to achieving 09:17:15	14	take another one, which is perhaps a common 09:18:21
15	commercial operation was 132 months. So that one 09:17:23	15	metric that's supplied is, if you take the 09:18:23
16	effectively, one project probably took 132 months 09:17:28	16	50 percent mark, that would probably be 50 percent 09:18:25
17	Q. So it's 09:17:34	17	of projects were reached COD in 57 months. 09:18:31
18	A to reach that time. 09:17:34	18	Q. So, 50 percent of projects reached 09:18:38
19	Q. My apologies for interrupting. 09:17:36	19	COD within 57 months from permitting, as permitting 09:18:42
20	So it's possible then, and we don't 09:17:38	20	has been defined by you in this dataset? 09:18:48
21	see how many projects this is, but this bar here at 09:17:40	21	A. That's correct. 09:18:51
22	the end may well represent one outlier project that 09:17:43	22	Q. Okay. So, I'm not a statistician, 09:18:52
23	took 132 months? 09:17:47	23	clearly, but I think the statistical label for this 09:19:06
24	A. Potentially, yes. 09:17:48	24	kind of a chart would be a cumulative frequency 09:19:12
25	Q. Potentially. 09:17:49	25	distribution; do you agree? 09:19:15
	Page 18		Page 19
1	A. I also have noticed that. I don't 09:19:18	1	there, it says "Frequency distribution"? 09:20:26
2	know what it's technical name is. 09:19:20	2	A. I see what you mean. 09:20:29
3	Q. It says frequency distribution, 09:19:24	3	Q. So that's the label you're using 09:20:30
4	but I'm going to suggest to that you it should 09:19:26	4	to describe? 09:20:32
5	say cumulative distribution, and then if it were 09:19:28	5	A. It should be cumulative frequency. 09:20:32
6	a frequency distribution, than rather than for 09:19:31	6	Q. And if it were actually 09:20:34
7	each of those bars here, rather than adding all of 09:19:32	7	a frequency distribution, my suggestion to you is 09:20:36
8	the projects that have taken the amount of time as 09:19:38	8	that what it would say, if we're correct that 09:20:37
9	indicated or less, it would only include the 09:19:40	9	hypothetically, that there is one project that took 09:20:42
10	projects that have taken the amount of time stated. 09:19:42	10	132 months, under 132, in a frequency distribution, 09:20:45
11	So in a frequency distribution, which 09:19:46	11	you would not have this big high bar. You'd; have 09:20:51
12	is the label you have here, I'll suggest to you 09:19:48	12	a very short bar actually that showed the one 09:20:54
13	that, say, the 132 number here, if there were only 09:19:50	13	project that was at that that took that amount of 09:20:57
14	one project, would actually have a very short bar. 09:19:53	14	time. 09:21:00
15	Do you have any reason to disagree with that? 09:19:56	15	A. Yes, okay. 09:21:00
16	A. I'm not fully following you. If 09:19:58	16	Q. So, this is actually an inaccurate 09:21:02
17			chart, because it says frequency distribution and it 09:21:06
	you had a frequency distribution with one project of 09:20:03	17	chart, seedase it says frequency distribution and it 05:21:00
18	you had a frequency distribution with one project of 09:20:03 132 months, I assume you would have one point on the 09:20:07	17	is not one. 09:21:08
18 19			
	132 months, I assume you would have one point on the 09:20:07	18	is not one. 09:21:08
19	132 months, I assume you would have one point on the 09:20:07 chart at 132 months. 09:20:12	18 19	is not one. 09:21:08 A. I will accept that it's 09:21:11
19 20	132 months, I assume you would have one point on the 09:20:07 chart at 132 months. 09:20:12 Q. Correct. So you understand what 09:20:14	18 19 20	is not one. 09:21:08 A. I will accept that it's 09:21:11 a cumulative frequency distribution. I think the 09:21:11 a frequency distribution chart would still show that 09:21:15 the first project, in other words, the first 09:21:22
19 20 21	132 months, I assume you would have one point on the 09:20:07 chart at 132 months. 09:20:12 Q. Correct. So you understand what 09:20:14 a frequency distribution is? I take it because 09:20:16 you've used that label in your chart. 09:20:18 A. Sorry, I'm looking at this one 09:20:21	18 19 20 21	is not one. 09:21:08 A. I will accept that it's 09:21:11 a cumulative frequency distribution. I think the 09:21:11 a frequency distribution chart would still show that 09:21:15 the first project, in other words, the first 09:21:22 project, in other words, the project with the 09:21:23
19 20 21 22 23 24	132 months, I assume you would have one point on the 09:20:07 chart at 132 months. 09:20:12 Q. Correct. So you understand what 09:20:14 a frequency distribution is? I take it because 09:20:16 you've used that label in your chart. 09:20:18 A. Sorry, I'm looking at this one 09:20:21 here. Is that the one within our appendix? 09:20:22	18 19 20 21 22 23 24	is not one. 09:21:08 A. I will accept that it's 09:21:11 a cumulative frequency distribution. I think the 09:21:11 a frequency distribution chart would still show that 09:21:15 the first project, in other words, the first 09:21:22 project, in other words, the project with the 09:21:23 shortest duration, was 36 months, and Windstream 09:21:25
19 20 21 22 23	132 months, I assume you would have one point on the 09:20:07 chart at 132 months. 09:20:12 Q. Correct. So you understand what 09:20:14 a frequency distribution is? I take it because 09:20:16 you've used that label in your chart. 09:20:18 A. Sorry, I'm looking at this one 09:20:21	18 19 20 21 22 23	is not one. 09:21:08 A. I will accept that it's 09:21:11 a cumulative frequency distribution. I think the 09:21:11 a frequency distribution chart would still show that 09:21:15 the first project, in other words, the first 09:21:22 project, in other words, the project with the 09:21:23

	Page 20		Page 21
1	Q. It may well, but I'll suggest to 09:21:31	1	A. And even then I'm not sure whether 09:22:36
2	you, sir, that what it would not show is a steadily 09:21:33	2	offhand I will know exactly which 09:22:38
3	climbing staircase-like distribution like the one 09:21:36	3	Q. Well, it's your demonstrable, sir, 09:22:42
4	you've shown here. It would actually show 09:21:40	4	and so we we're entitled to ask questions about 09:22:45
5	something 09:21:42	5	it. 09:22:48
6	MS. WATES: Mr. President, I'm sorry 09:21:47	6	A. I don't disagree on that. I 09:22:48
7	to interject, but Mr. Clarke has been very clear 09:21:48	7	certainly, I see UK projects there. 09:22:52
8	that chart shows cumulative percentiles. I think 09:21:50	8	Q. So what page of your report are 09:22:56
9	that's well-established. He doesn't need to be 09:21:52	9	you at? 09:22:57
10	answered again. 09:21:54	10	A. Sorry. On page 118. 09:22:58
11	MS. SEERS: Mr. Chair, with respect, 09:21:55	11	Q. 118. 09:23:00
12	I think we're entitled to this was a demonstrable 09:21:56	12	A. Appendix 4. 09:23:01
13	which, great respect to Mr. Clarke, it is actually 09:21:58	13	Q. Okay, so let's let's look at 09:23:03
14	very how to put it. It depicts data in a way, in 09:22:01	14	these projects. So some of them are from the UK. 09:23:07
15	our submission, that they 09:22:06	15	A. Some of them are from the UK. 09:23:11
16	PRESIDENT: Yes, we understand that. 09:22:07	16	Q. Germany? 09:23:14
17	I think the point has been taken. 09:22:08	17	A. Sorry? 09:23:15
18	MS. SQUIRES: Thank you. Excuse me. 09:22:10	18	Q. Germany. 09:23:16
19	BY MS. SEERS: 09:22:23	19	A. Yes, I believe there are some 09:23:18
20	Q. And so which countries are the 09:22:23	20	German ones there. 09:23:25
21	projects that the data on this graphic are - 09:22:25	21	Q. Some of them are much larger. So 09:23:27
22	A. I don't have that information to 09:22:29	22	I guess this this table shows again, 09:23:33
23	hand. We could look through the list, if you want 09:22:31	23	I apologize for doing discovery here; it is not my 09:23:37
24	to. 09:22:32	24	intention, but we're just trying to understand. The 09:23:41
25	Q. Certainly, please do? 09:22:35	25	London Array, for example, as indicated on this 09:23:45
	Page 22		Page 23
1	_	,	•
1	chart, has it been excluded from the demonstrable 09:23:48	1	540 megawatt, shown as having what you call a lead 09:24:50
2	since it is 600 megawatt? 09:23:52	2	time of 77 months, is that included on your 09:24:53
3	A. I do note that. What I'm not 09:23:53	3	demonstrable? 09:24:56
4 5	completely clear on, the London Array was built in 09:23:56	5	A. I concede that that one is 09:25:05
6	two phases and I'm not sure although that 09:23:58 630 whether this relates perhaps to Phase I. 09:24:01	6	possibly in there. I yeah, I I don't know the 09:25:06
7	r	7	detail of that offhand. 09:25:09
8	I can't comment on that one particularly. 09:24:04	/	O A 1 1 1 1 C M^2 00.25.11
	0. It is a solid to the state of the control of the		Q. And how about the Gwynt y Môr 09:25:11
	Q. Is it possible that the data here 09:24:08	8	576 megawatt project shown as having a 78-month lead 09:25:15
9	shows the two phases together? 09:24:10	8	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20
9 10	shows the two phases together? 09:24:10 A. I can't comment. Possibly I 09:24:12	8 9 10	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21
9 10 11	shows the two phases together? 09:24:10 A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16	8 9 10 11	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22
9 10 11 12	shows the two phases together? 09:24:10 A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18	8 9 10 11 12	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28
9 10 11 12 13	shows the two phases together? 09:24:10 A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20	8 9 10 11 12 13	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? 09:25:32
9 10 11 12 13 14	shows the two phases together? 09:24:10 A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22	8 9 10 11 12 13 14	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? 09:25:32 A. 389? 09:25:34
9 10 11 12 13 14 15	shows the two phases together? 09:24:10 A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24	8 9 10 11 12 13 14 15	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? 09:25:32 A. 389? 09:25:34 Q. Yes, according to your chart. 09:25:35
9 10 11 12 13 14 15	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26	8 9 10 11 12 13 14 15	576 megawatt project shown as having a 78-month lead 09:25:15 time. O9:25:20 A. That is another one there. O9:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? O9:25:32 A. 389? O9:25:34 Q. Yes, according to your chart. O9:25:35 A. Is that what we, 300 up to 400 09:25:36
9 10 11 12 13 14 15 16	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30	8 9 10 11 12 13 14 15 16	576 megawatt project shown as having a 78-month lead 09:25:15 time. O9:25:20 A. That is another one there. O9:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? O9:25:32 A. 389? O9:25:34 Q. Yes, according to your chart. O9:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. O9:25:39
9 10 11 12 13 14 15 16 17	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30 A because of permitting issues. 09:24:31	8 9 10 11 12 13 14 15 16 17	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? 09:25:32 A. 389? 09:25:34 Q. Yes, according to your chart. 09:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. 09:25:39 Q. Right. so that is included there? 09:25:40
9 10 11 12 13 14 15 16 17 18	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:30 A because of permitting issues. 09:24:31 Q. Right. 09:24:33	8 9 10 11 12 13 14 15 16 17 18	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? 09:25:32 A. 389? 09:25:34 Q. Yes, according to your chart. 09:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. 09:25:39 Q. Right. so that is included there? 09:25:40 A. Yeah, so potentially it would 09:25:41
9 10 11 12 13 14 15 16 17 18 19 20	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30 A because of permitting issues. 09:24:31 Q. Right. 09:24:33 A. So but I'm not aware of it 09:24:34	8 9 10 11 12 13 14 15 16 17 18 19 20	576 megawatt project shown as having a 78-month lead 09:25:15 time. O9:25:20 A. That is another one there. O9:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? O9:25:32 A. 389? O9:25:34 Q. Yes, according to your chart. O9:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. Q. Right. so that is included there? O9:25:40 A. Yeah, so potentially it would 09:25:41 appear that there is possibly three projects in 09:25:42
9 10 11 12 13 14 15 16 17 18 19 20 21	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30 A because of permitting issues. 09:24:31 Q. Right. 09:24:33 A. So but I'm not aware of it 09:24:34 I don't know if that 600 offhand, I don't know 09:24:37	8 9 10 11 12 13 14 15 16 17 18 19 20 21	576 megawatt project shown as having a 78-month lead 09:25:15 time. O9:25:20 A. That is another one there. O9:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? O9:25:32 A. 389? O9:25:34 Q. Yes, according to your chart. O9:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. O9:25:39 Q. Right. so that is included there? O9:25:40 A. Yeah, so potentially it would 09:25:41 appear that there is possibly three projects in 09:25:42 there. O9:25:47
9 10 11 12 13 14 15 16 17 18 19 20	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30 A because of permitting issues. 09:24:31 Q. Right. 09:24:33 A. So but I'm not aware of it 09:24:34 I don't know if that 600 offhand, I don't know 09:24:37 that whether that 630 megawatt relates to the total 09:24:39	8 9 10 11 12 13 14 15 16 17 18 19 20	576 megawatt project shown as having a 78-month lead 09:25:15 time. O9:25:20 A. That is another one there. O9:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? O9:25:32 A. 389? O9:25:34 Q. Yes, according to your chart. O9:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. O9:25:39 Q. Right. so that is included there? O9:25:40 A. Yeah, so potentially it would 09:25:41 appear that there is possibly three projects in 09:25:42 there. O9:25:47 Q. So you I don't think you'll 09:25:48
9 10 11 12 13 14 15 16 17 18 19 20 21	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30 A because of permitting issues. 09:24:31 Q. Right. 09:24:33 A. So but I'm not aware of it 09:24:34 I don't know if that 600 offhand, I don't know 09:24:37 that whether that 630 megawatt relates to the total 09:24:39 capacity of the London Array or Phase I of London 09:24:43	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	576 megawatt project shown as having a 78-month lead 09:25:15 time. 09:25:20 A. That is another one there. 09:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? 09:25:32 A. 389? 09:25:34 Q. Yes, according to your chart. 09:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. 09:25:39 Q. Right. so that is included there? 09:25:40 A. Yeah, so potentially it would 09:25:41 appear that there is possibly three projects in 09:25:42 there. 09:25:47 Q. So you I don't think you'll 09:25:48 disagree with me that a 600-megawatt project takes 09:25:49
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	shows the two phases together? A. I can't comment. Possibly I 09:24:12 Q. So it's possible that the 75 09:24:16 months shown is actually two phases of a project 09:24:18 that was developed in two phases? 09:24:20 A. No, I think what I'm querying, 09:24:22 because I understand that the second phase of London 09:24:24 Array did not proceed 09:24:26 Q. Right. 09:24:30 A because of permitting issues. 09:24:31 Q. Right. 09:24:33 A. So but I'm not aware of it 09:24:34 I don't know if that 600 offhand, I don't know 09:24:37 that whether that 630 megawatt relates to the total 09:24:39	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	576 megawatt project shown as having a 78-month lead 09:25:15 time. O9:25:20 A. That is another one there. O9:25:21 Q. How about the West of Duddon Sands 09:25:22 389 megawatt project shown as having a 73.9-month 09:25:28 lead time? O9:25:32 A. 389? O9:25:34 Q. Yes, according to your chart. O9:25:35 A. Is that what we, 300 up to 400 09:25:36 megawatt. O9:25:39 Q. Right. so that is included there? O9:25:40 A. Yeah, so potentially it would 09:25:41 appear that there is possibly three projects in 09:25:42 there. O9:25:47 Q. So you I don't think you'll 09:25:48

	Page 24		Page 25
1	Q. And would you agree that if that 09:25:59	1	about whether it's appropriate to compare these 09:27:07
2	600-megawatt project is located far offshore on the 09:26:01	2	projects to the Wolfe Island Shoals project. 09:27:10
3	North Sea, it would take even longer to build than 09:26:05	3	And so the projects that we are 09:27:13
4	a 300-megawatt project that's located near the shore 09:26:08	4	talking about here include, for example, projects 09:27:15
5	in Lake Ontario? 09:26:12	5	that are located I don't know 80 kilometres 09:27:18
6	A. That's a different issue 09:26:12	6	offshore in the North Sea; do you agree with that? 09:27:21
7	completely to this particular question. 09:26:14	7	A. Potentially, yeah. I think one 09:27:24
8	Q. Well, I'm asking you the question 09:26:17	8	important point to note here is that we recognized 09:27:26
9	whether you would agree 09:26:18	9	and it's stated in our appendix that we recognize 09:27:30
10	A. I wouldn't necessarily agree or 09:26:20	10	that there is some uncertainty in the data available 09:27:36
11	disagree. 09:26:23	11	and the dates provided in the Sgurr database. 09:27:40
12	This project, 300-megawatt closer to 09:26:25	12	Q. The 4C offshore 09:27:44
13	shore in Lake Ontario will be being built for the 09:26:30	13	A. Sorry, the 4C database. 09:27:47
14	first time by a new supply chain, whereas a project 09:26:33	14	The overall size of the sample is 09:27:49
15	in the North Sea offshore, as we've seen, there is 09:26:37	15	and the very clear outcome of that we believe is 09:27:54
16	a long list of them and there's is a lot of 09:26:42	16	valid. 09:27:59
17	experience there. 09:26:45	17	Q. So you're not saying, though 09:28:00
18	So I would accept that a 630-megawatt 09:26:46	18	when you say "overall size of a sample," if I may 09:28:01
19	would take longer to build, but it might not have 09:26:48	19	summarize what the sample contains. It contains 09:28:06
20	that many more turbines, as we has been 09:26:52	20	projects that are larger, much larger, I would 09:28:11
21	discussed. It might be the same number of turbines. 09:26:55	21	suggest, than this particular project; right? 09:28:14
22	Q. It might be the same and just 09:26:59	22	A. It could three of the samples 09:28:18
23	so we don't go off track, the comment about the 09:27:00	23	are larger. 09:28:19
24	supply chain, I'd like to come back to that. Let's 09:27:03	24	Q. It samples which respectfully 09:28:21
25	come back to that later, but for now we're talking 09:27:05	25	would skew the total time considerably given how 09:28:24
	Page 26		D 27
	1 agc 20		Page 27
1		1	Page 27 presented in my presentation, includes only the 09:29:50
1 2	long 09:28:27	1 2	presented in my presentation, includes only the 09:29:50
	long 09:28:27 A. Sorry, can I just I've just 09:28:28	1	presented in my presentation, includes only the 09:29:50 projects in that range. 09:29:52
2	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29	2	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55
2	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33	2 3	presented in my presentation, includes only the 09:29:50 projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58
2 3 4	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33	2 3 4	presented in my presentation, includes only the 09:29:50 projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59
2 3 4 5	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36	2 3 4 5	presented in my presentation, includes only the 09:29:50 projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03
2 3 4 5	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33	2 3 4 5 6	presented in my presentation, includes only the 09:29:50 projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03
2 3 4 5 6 7	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40	2 3 4 5 6 7	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08
2 3 4 5 6 7 8	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44	2 3 4 5 6 7 8	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10
2 3 4 5 6 7 8	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47	2 3 4 5 6 7 8	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15
2 3 4 5 6 7 8 9	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48	2 3 4 5 6 7 8 9	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18
2 3 4 5 6 7 8 9 10	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57	2 3 4 5 6 7 8 9 10	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19
2 3 4 5 6 7 8 9 10 11 12	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01	2 3 4 5 6 7 8 9 10 11	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21
2 3 4 5 6 7 8 9 10 11 12 13	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04	2 3 4 5 6 7 8 9 10 11 12 13	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:29 presented for 200 to 400 megawatt and you can you 09:30:29
2 3 4 5 6 7 8 9 10 11 12 13 14	long 09:28:27 A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:36 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04 Q. Uh-hmm. 09:29:09	2 3 4 5 6 7 8 9 10 11 12 13 14	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34
2 3 4 5 6 7 8 9 10 11 12 13 14 15	long A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04 Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10	2 3 4 5 6 7 8 9 10 11 12 13 14 15	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34 page for all the projects shown in the table. 09:30:37
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	long A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10 So I would suggest that in the analysis produced 09:29:17	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:37 Q. And again, Mr. Aukland from 4C 09:30:40
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	long A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10 So I would suggest that in the analysis produced 09:29:17 for the projects and in fact, sorry, if I could 09:29:19	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34 page for all the projects shown in the table. 09:30:40 Offshore is actually here and will be able to 09:30:43
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	long A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04 Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10 So I would suggest that in the analysis produced 09:29:17 for the projects and in fact, sorry, if I could 09:29:19 take it one step further, on page 123, we have 09:29:21	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34 page for all the projects shown in the table. 09:30:37 Q. And again, Mr. Aukland from 4C 09:30:43 testify as to the data, but in terms of the two 09:30:47
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	long A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04 Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10 So I would suggest that in the analysis produced 09:29:17 for the projects and in fact, sorry, if I could 09:29:19 take it one step further, on page 123, we have 09:29:25 Q. Uh-hmm. 09:29:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34 page for all the projects shown in the table. 09:30:37 Q. And again, Mr. Aukland from 4C 09:30:40 Offshore is actually here and will be able to 09:30:47 charts that are located in page on pages 123 and 09:30:50 124 of your report, you'll agree with me and 09:30:53
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04 Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10 So I would suggest that in the analysis produced 09:29:17 for the projects and in fact, sorry, if I could 09:29:19 take it one step further, on page 123, we have 09:29:21 a similar chart to the one in our presentation 09:29:25 Q. Uh-hmm. 09:29:28 A showing all projects within 09:29:29 over 30 megawatt and positioning Windstream in that. 09:29:33 So therefore, what I would suggest and 09:29:39	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34 page for all the projects shown in the table. 09:30:37 Q. And again, Mr. Aukland from 4C 09:30:40 Offshore is actually here and will be able to 09:30:43 testify as to the data, but in terms of the two 09:30:50 124 of your report, you'll agree with me and 09:30:56
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	long A. Sorry, can I just I've just 09:28:28 noticed something which might clarify the issue. 09:28:29 Q. Okay. 09:28:33 A. Okay. Within that schedule, in 09:28:33 appendix 4, I've just realized and I apologize 09:28:36 for not picking up on it immediately that lists 09:28:40 the duration of all offshore wind projects. 09:28:44 You'll note that there are some down, 09:28:47 for example, on page 121, the Vindpark, 30 megawatt. 09:28:48 You will also notice on page 122 we 09:28:57 have a I believe that's what you would consider 09:29:01 a frequency distribution 09:29:04 Q. Uh-hmm. 09:29:09 A of all projects in that range. 09:29:10 So I would suggest that in the analysis produced 09:29:17 for the projects and in fact, sorry, if I could 09:29:19 take it one step further, on page 123, we have 09:29:21 a similar chart to the one in our presentation 09:29:25 Q. Uh-hmm. 09:29:28 A showing all projects within 09:29:29 over 30 megawatt and positioning Windstream in that. 09:29:33	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	presented in my presentation, includes only the projects in that range. 09:29:52 Q. You believe, but you don't know? 09:29:55 A. I but I think there's given 09:29:58 your questions had initially picked up on just 09:29:59 projects greater than 400 megawatt, but I'm now 09:30:03 pointing out that within that same schedule, that 09:30:08 same list that you were relying on, there are many 09:30:10 projects which are less than 200 megawatt. 09:30:15 Q. Okay. And 09:30:18 A. And so finally, if you look on 09:30:19 page 124, you look at you see the charts 09:30:21 presented for 200 to 400 megawatt and you can you 09:30:29 can compare those with the charts on the previous 09:30:34 page for all the projects shown in the table. 09:30:37 Q. And again, Mr. Aukland from 4C 09:30:40 Offshore is actually here and will be able to 09:30:43 testify as to the data, but in terms of the two 09:30:47 charts that are located in page on pages 123 and 09:30:50 124 of your report, you'll agree with me and 09:30:56 frequently distributions, they're cumulative 09:30:58

	Page 28		Page 29
1	distribution. 09:31:06	1	five, six, seven, eight, nine, ten, 11, 12, 13 - 09:31:53
2	A. The chart on page 123 is a - 09:31:07	2	14, I think. 09:31:55
3	I would agree is a cumulative frequency. 09:31:09	3	PRESIDENT: One off. So this 09:31:58
4	Q. And the chart on page 124? 09:31:11	4	represents 15 projects. 09:32:00
5	A. And the chart on page 124. 09:31:15	5	THE WITNESS: Yeah. 09:32:03
6	Q. Okay. Now, I think we got off 09:31:18	6	PRESIDENT: within that range. 09:32:03
7	track. We were talking about the sample 09:31:20	7	THE WITNESS: Within that range. 09:32:03
8	and what's - 09:31:21	8	PRESIDENT: Please go on. 09:32:05
9	PRESIDENT: Can I just ask: The chart 09:31:22	9	BY MS. SEERS: 09:32:06
10	that we have only on the presentation, it seems to 09:31:25	10	Q. So, just quickly then focusing 09:32:06
11	be the same as what we have at page 224 of your 09:31:28	11	an what the sample includes and doesn't include, it 09:32:09
12	report. 09:31:31	12	includes perhaps only the projects between 2 and 09:32:12
13	THE WITNESS: That's correct, yeah. 09:31:32	13	400 megawatt. It includes projects that are located 09:32:14
14	PRESIDENT: And 09:31:35	14	far offshore in the North Sea; correct? 09:32:17
15	MR. BISHOP: 124. 09:31:38	15	A. Correct. 09:32:20
16	PRESIDENT: 124. 09:31:40	16	Q. It includes projects that are 09:32:20
17	MS. SQUIRES: 124, yeah. 09:31:41	17	permitted or developed under permitting regimes that 09:32:22
18	PRESIDENT: So the question is the 09:31:41	18	are different than the one that's applicable in 09:32:24
19	number of projects in the sample, this is then shown 09:31:42	19	Ontario; correct? 09:32:27
20	at figure 15. 09:31:44	20	A. Correct. 09:32:28
21	THE WITNESS: At figure 15, correct, 09:31:46	21	Q. It includes projects that were 09:32:28
22	yes. 09:31:47	22	perhaps subject to unique delays, one of which, for 09:32:31
23	PRESIDENT: So we are talking about 09:31:48	23	example, the German grid the fact that the German 09:32:34
24	how many, 15 or something? 09:31:50	24	grid had not been built on time for the German 09:32:38
25	THE WITNESS: One, two, three, four, 09:31:51	25	projects 09:32:42
	Page 30		Page 31
1	A. I agree. 09:32:43	1	Q. Cable laying far offshore in the 09:33:56
2	Q. And would you agree with me, sir, 09:32:43	2	North Sea. 09:33:57
3	that the time from permitting to commercial 09:32:47	3	A. I agree. 09:33:59
4	operation can be based on a number of 09:32:51	4	Q. Building conditions in the North 09:34:01
5	jurisdiction-specific factors? 09:32:52	5	Sea. 09:34:02
6	A. Can you be more specific on that? 09:32:58	6	A. In the North Sea, but not all of 09:34:05
7	Q. Certainly. So jurisdictions each 09:33:00	7	those projects are in the North Sea. If you look, 09:34:07
8	have their own process in terms of how projects get 09:33:02	8	a number of them are in the Baltic. 09:34:10
9	developed; right? 09:33:06	9	Q. And a number of them are in the 09:34:12
10	A. Correct, yes. 09:33:10	10	North Sea. 09:34:14
11	Q. And there are various issues that 09:33:11	11	Grid constraints, we already discussed 09:34:15
12	are applicable in various jurisdictions, one of them 09:33:12	12	grid constraints; yes? 09:34:17
13	perhaps vessel availability in Europe? 09:33:16	13	A. Yes. 09:34:19
14	A. I'm trying to understand how 09:33:23	14	Q. The size, we already discussed 09:34:20
15	vessel availability relates to permitting. It 09:33:25	15	that as well. 09:34:22
16	normally would not be related to to permitting. 09:33:28	16	Number of turbines; right? 09:34:23
17	That's a function of delivery of the project. 09:33:33	17	A. Yes. 09:34:27
18	Q. Your data, as I understand it, 09:33:36	18	Q. The conditions on the bottom of 09:34:28
19	shows a time lag between permitting and commercial 09:33:38	19 20	the seafloor. 09:34:29
20	operation. And so vessel availability is an issue 09:33:42	1	A. I accept your point that there are 09:34:31
21 22	in terms of achieving commercial operation; correct? 09:33:45	21 22	a number of differences that are applicable across 09:34:33
23	A. Correct. 09:33:49	23	a wide range of projects. 09:34:41
24	Q. Distance from shore, we already 09:33:52 talked about. 09:33:53	24	Q. The time a particular jurisdiction 09:34:42 takes to issue contracts, power purchase agreements? 09:34:45
	tairea auout. 07.33.33	1 " "	
25	A. Yes. 09:33:54	25	A. The that is potentially 09:34:53

		1	·
	Page 32		Page 33
1	an issue, okay. The point we were trying to make or 09:34:58	1	That was her evidence; do you recall that? 09:36:21
2	demonstrate is that the time that Windstream were 09:35:03	2	A. I recall that. 09:36:23
3	planning to develop or to construct this project, 09:35:09	3	Q. And you would agree with me that 09:36:24
4	essentially, from the point at which they get their 09:35:12	4	other jurisdiction do not you would expect that 09:36:26
5	permit, which we have defined it and I did state, 09:35:17	5	to be different, perhaps, in other jurisdictions? 09:36:28
6	I believe, that this we've assumed that that's 09:35:23	6	A. Perhaps, yes. 09:36:31
7	from completion of the ERT process. 09:35:26	7	Q. Was any attempt made, sir, to 09:36:32
8	Q. Right. 09:35:30	8	normalize the data shown in these appendices and in 09:36:34
9	A. Which, in the case of Windstream 09:35:30	9	your chart in your presentation to ensure a more, 09:36:38
10	is assumed, according to the Sgurr program, to be 09:35:32	10	say, apples-to-apples comparison with a project 09:36:42
11	coincident with financial close, is shorter by 09:35:39	11	located five kilometres offshore of Ontario, in Lake 09:36:46
12	considerable margin than any other offshore wind 09:35:45	12	Ontario, versus projects that are located in Europe, 09:36:50
13	project delivered in of this size. 09:35:49	13	perhaps, much further offshore? 09:36:54
14	Q. Were you present, sir, when 09:35:51	14	A. The answer to that is, no, I think 09:36:58
15	Sarah Powell gave evidence about the process that 09:35:52	15	we've made it clear the process that's been used. 09:37:01
16	applies for Ontario FIT program projects, typically 09:35:55	16	The point there, though, is that you wanted to 09:37:05
17	in connection with when financial negotiations occur 09:36:00	17	compare apples with apples. There is no other 09:37:10
18	and when financial close occurs? 09:36:03	18	project in Lake Ontario. 09:37:12
19	A. I was. 09:36:05	19	Q. Right. So there's no other 09:37:17
20	Q. Okay. 09:36:07	20	project with which you could compare potentially 09:37:19
21	A. That wasn't my point there. 09:36:08	21	A. Directly 09:37:23
22	Q. But you'll agree with me, though, 09:36:09	22	Q. Directly? 09:37:24
23	that her evidence, anyway there's no 09:36:12	23	A which I believe was the intent 09:37:26
24	disagreement, I think that financial close occurs 09:36:13	24	of your question. 09:37:28
25	at or shortly after the ERT proceeding is concluded. 09:36:17	25	Q. Well 09:37:29
	Page 34		Page 35
1	A. So we have to use the data that is 09:37:29	1	A. I do recall that, yes. 09:38:38
2	available. 09:37:31	2	Q. Would you agree with me, sir, that 09:38:44
3	Q. Well, okay. You'll agree with me, 09:37:31	3	the time lag between at least financial close and 09:38:45
4	sir, that Ontario, through its FIT program, 09:37:35	4	commercial operation, is perhaps a better indicator 09:38:49
5	established a program to get projects built and 09:37:37	5	of the amount of time construction takes versus 09:38:52
6	connected to the grid quickly? 09:37:44	6	permitting to financial to commercial operation? 09:38:55
7	A. That was the intent of the program 09:37:48	7	A. We did research that as well. 09:38:58
8	regime, yes. 09:37:52	8	Q. Okay. 09:39:02
9	Q. And I don't know if you were here, 09:37:53	9	A. Unfortunately, there was, in our 09:39:02
10	but Minister Smitherman, who was the 09:37:54	10	opinion, insufficient information available from the 09:39:06
11	Minister of Energy at the time, actually used the 09:37:58	11	4C database to consistently provide that 09:39:09
12	word "turbocharged." 09:38:00	12	information. 09:39:12
13	A. I wasn't here, but I did hear that 09:38:05	13	Q. I apologize. My colleague points 09:39:15
14	that was his words. 09:38:08	14	out that it's actually 27 months under the current 09:39:16
15	Q. You're aware of that. 09:38:09	15	Windstream schedule, not 23 months from financial 09:39:23
16	And you're not aware of any similar 09:38:12	16	close to COD. 09:39:26
17	program in Europe, I take it, where the intention 09:38:14	17	I'm going to ask you to turn up the 09:39:28
18	was to turbocharge the building of offshore wind 09:38:16	18	last tab in your binder, which is it's a chart 09:39:30
19		19	that is not currently in evidence Mr so I will 09:39:33
	projects; correct? 09:38:20		
20	projects; correct? 09:38:20 A. No. 09:38:22	20	not be asking you to confirm any of this 09:39:37
	A. No. 09:38:22 Q. Ms. Squires, yesterday, put to 09:38:22		not be asking you to confirm any of this 09:39:37 information. 09:39:39
20 21 22	A. No. 09:38:22 Q. Ms. Squires, yesterday, put to 09:38:22 Mr. Irvine from SgurrEnergy that a 23-month period 09:38:25	20 21 22	not be asking you to confirm any of this 09:39:37 information. 09:39:39 Mr. Aukland will be presenting this 09:39:39
20 21 22 23	A. No. 09:38:22 Q. Ms. Squires, yesterday, put to 09:38:22 Mr. Irvine from SgurrEnergy that a 23-month period 09:38:25 from financial close to commercial operation was, 09:38:30	20 21 22 23	not be asking you to confirm any of this 09:39:37 information. 09:39:39 Mr. Aukland will be presenting this 09:39:39 chart as part of his presentation in response to the 09:39:41
20 21 22 23 24	A. No. 09:38:22 Q. Ms. Squires, yesterday, put to 09:38:22 Mr. Irvine from SgurrEnergy that a 23-month period 09:38:25 from financial close to commercial operation was, 09:38:30 I believe her word was "unprecedented." Do you 09:38:33	20 21 22 23 24	not be asking you to confirm any of this 09:39:37 information. 09:39:39 Mr. Aukland will be presenting this 09:39:39 chart as part of his presentation in response to the 09:39:41 charts that you included in your report and in your 09:39:45
20 21 22 23	A. No. 09:38:22 Q. Ms. Squires, yesterday, put to 09:38:22 Mr. Irvine from SgurrEnergy that a 23-month period 09:38:25 from financial close to commercial operation was, 09:38:30	20 21 22 23	not be asking you to confirm any of this 09:39:37 information. 09:39:39 Mr. Aukland will be presenting this 09:39:39 chart as part of his presentation in response to the 09:39:41

	Page 36		Page 37
1	And it is the 09:39:48	1	Q. And what's been overlaid on top, 09:40:55
2	MS. SQUIRES: Sorry for interjecting 09:39:50	2	those two red lines that you see, are the forecast 09:40:56
3	Ms. Seers, but the underlying data here, can you 09:39:53	3	commercial operation date based on the Windstream 09:41:03
4	point me to which exhibit that comes from? 09:39:55	4	schedule, which is at, I guess, roughly 30 months on 09:41:05
5	MS. SEERS: Yes. The same exhibit 09:39:57	5	this. And then the supplier default date, which 09:41:13
6	that Mr Mr. Clarke relied on, which is R-0645. 09:39:58	6	is about 09:41:15
7	MS. SQUIRES: So all of these projects 09:40:06	7	A. Sorry. Can you just say that 09:41:16
8	are listed in 645? 09:40:07	8	again? 09:41:18
9	MS. SEERS: Correct. They should be 09:40:10	9	Q. Yeah. So you'll see two red lines 09:41:19
10	for the offshore database, the same database that 09:40:10	10	on this table. 09:41:22
11	Mr that was used to generate this data. 09:40:13	11	A. Right. 09:41:23
12	MS. SQUIRES: We'll double-check. 09:40:15	12	Q. So the first red line is a 09:41:23
13	MS. SEERS: Perhaps we can do this 09:40:17	13	represents the forecast commercial operation date 09:41:27
14	over lunch because it's is a lot of data? 09:40:18	14	under the Windstream schedule. 09:41:30
15	BY MS. SEERS: 09:40:19	15	A. Okay. Of that's at 30 months, 09:41:34
16	Q. And so, sir, of course you haven't 09:40:20	16	so I think we said 27. 09:41:39
17	had the opportunity to check this data. 09:40:22	17	Q. Yes. Perhaps 27. We can confirm 09:41:41
18	I understand that. Mr. Aukland will be presenting 09:40:23	18	whether that's accurate. And then the supplier 09:41:43
19	it, so I'm not asking you to confirm it. I'd just 09:40:27	19	default date, which is the date that's 18 months 09:41:45
20	like to run through it for the record. 09:40:30	20	after the milestone, commercial operation date under 09:41:49
21	So, what this Mr. Aukland will be 09:40:35	21	the FIT contract. 09:41:52
22	discussing this, but what this shows is the amount 09:40:38	22	A. Okay. 09:41:53
23	of time for each of these projects from financial 09:40:42	23	Q. Okay. And so I guess, in showing 09:41:54
24	close to commercial operation. Do you see that? 09:40:46	24	you this, my only question is: Would you agree with 09:41:58
25	A. Yes. 09:40:52	25	me that the if the question that's being asked is 09:42:01
	Page 38		Page 39
1	_	1	-
2	how long construction takes, it's a better 09:42:06	1 +	A. Sorry, no, because 09:43:39
3	- l-44 l-44 i-di-4 f 4l-4 i- fii-l 00.42.11	2	
5	a better a better indicator of that is financial 09:42:11	2	Q. No? 09:43:41
4	close to commercial operation; would you agree with 09:42:14	3	Q. No? 09:43:41A. I don't necessarily agree with 09:43:42
4	close to commercial operation; would you agree with 09:42:14 that? 09:42:17	3 4	Q. No? 09:43:41 A. I don't necessarily agree with 09:43:42 that. You said "permitting-related issues." Our 09:43:43
5	close to commercial operation; would you agree with 09:42:14 that? 09:42:17 A. I would agree with I mean, 09:42:26	3 4 5	Q. No? 09:43:41 A. I don't necessarily agree with 09:43:42 that. You said "permitting-related issues." Our 09:43:43 schedule was from the time permitting was received, 09:43:52
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5 6 7 8 9 10 11 12	close to commercial operation; would you agree with 09:42:14 that? 09:42:17 A. I would agree with I mean, 09:42:26 they're two separate measures, clearly. The date 09:42:29 the obviously one measure is the time from 09:42:36 financial close, because normally, that's the time 09:42:39 at which substantive or substantial construction can 09:42:41 start can start. 09:42:45 Q. Right. And so by using if your 09:42:48 objective is to try to compare how long construction 09:42:51 has taken in other projects, using this data, 09:42:54 I would suggest to you, eliminates some of the 09:42:58	3 4 5 6 7 8 9 10 11 12 13	Q. No? 09:43:41 A. I don't necessarily agree with 09:43:42 that. You said "permitting-related issues." Our 09:43:43 schedule was from the time permitting was received, 09:43:52 so permitting is out of the way in terms of the 09:43:55 schedule we had presented. 09:43:57 Q. I understand. Sorry. I think 09:43:59 I misspoke. 09:44:00 What I meant to say is: There are 09:44:01 jurisdiction-specific issues or different procedures 09:44:03 that apply in terms of how you get to the how you 09:44:06 get through the development of an offshore wind 09:44:09 farm; you agree? 09:44:11
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5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	close to commercial operation; would you agree with 09:42:14 that? 09:42:17 A. I would agree with I mean, 09:42:26 they're two separate measures, clearly. The date 09:42:29 the obviously one measure is the time from 09:42:36 financial close, because normally, that's the time 09:42:39 at which substantive or substantial construction can 09:42:41 start can start. 09:42:45 Q. Right. And so by using if your 09:42:48 objective is to try to compare how long construction 09:42:51 has taken in other projects, using this data, 09:42:54 I would suggest to you, eliminates some of the 09:42:58 jurisdiction-specific permitting issues that are 09:43:02 included in the data that you've provided in your 09:43:05 chart; would you agree with that? 09:43:07 A. Potentially, yes. Clearly, I'm 09:43:12 seeing this data for the first time, and I 09:43:17 you to comment on the data, more on the principle, 09:43:18 that if you're looking at financial close to 09:43:21 commercial operation, then in principle, that would 09:43:25	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. No? 09:43:41 A. I don't necessarily agree with 09:43:42 that. You said "permitting-related issues." Our 09:43:43 schedule was from the time permitting was received, 09:43:52 so permitting is out of the way in terms of the 09:43:55 schedule we had presented. 09:43:57 Q. I understand. Sorry. I think 09:43:59 I misspoke. 09:44:00 What I meant to say is: There are 09:44:01 jurisdiction-specific issues or different procedures 09:44:03 that apply in terms of how you get to the how you 09:44:06 get through the development of an offshore wind 09:44:09 farm; you agree? 09:44:11 A. I would suggest that once you have 09:44:12 received your permits, you are out of the shall 09:44:15 we say, the regulatory or official procedures and it 09:44:20 is then in the hand of the developer to construct. 09:44:23 Q. So your evidence is that 09:44:28 A. And so to do that, he has to 09:44:30 achieve financial close and he has to then construct 09:44:32 the project. 09:44:36 So, although there might be 09:44:37

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	Page 40		Page 41
1	a permitting or a I accept that that's a specific 09:44:51	1	MS. SEERS: If I might confer with my 09:46:20
2	jurisdiction issue; it's not a procedure. 09:44:58	2	colleagues for one moment before we leave this 09:46:21
3	Q. Are you familiar, sir, with the 09:45:01	3	topic. 09:46:23
4	procedure for developing an offshore wind farm in 09:45:02	4	[Counsel confer] 09:46:25
5	the UK? 09:45:04	5	BY MS. SEERS: 09:46:30
6	A. In very general terms. 09:45:06	6	Q. I think we can leave this topic 09:46:50
7	Q. Right. Okay. So, as I understand 09:45:08	7	for now, anyway. 09:46:52
8	your evidence, even in the UK because I think you 09:45:14	8	So if you turn up page 91 of your 09:47:01
9	use very broad language there. Are you saying that 09:45:20	9	second report. You've given us a project schedule, 09:47:04
10	even in the UK, you go from environmental permitting 09:45:23	10	start date December 11, 2011; correct? 09:47:26
11	to financial close on a relatively quick timeline 09:45:27	11	A. Correct. 09:47:30
12	into construction; is that what you're saying? 09:45:31	12	Q. And I guess I understand from 09:47:30
13	A. No. Our evidence is that 09:45:35	13	Mr. Rose that there's actually a more detailed 09:47:32
14	typically that takes a long a considerable period 09:45:36	14	project schedule that had been worked on at URS? 09:47:34
15	of time. 09:45:38	15	A. We did a number of studies, 09:47:39
16	Q. And it takes a considerable period 09:45:38	16	including trying to run scenarios on the Sgurr 09:47:41
17	of time, I put it to you, because in the UK, the 09:45:40	17	program. 09:47:47
18	power purchase agreement process, the process under 09:45:44	18	This particular schedule is not 09:47:48
19	which a developer applies to be, (a), permitted to 09:45:47	19	underlined by any more detail, except insofar as the 09:47:52
20	develop a project; and (b), have a contract in 09:45:52	20	foundation manufacturer. 09:47:57
21	connection with the power to be produced by that 09:45:56	21	If you look at the line numbering in 09:47:59
22	project, occurs after the environmental permitting 09:45:58	22	the schedule, you will see that they're sequential 09:48:00
23	process has taken place. 09:46:01	23	down to number 22. 09:48:05
24	Are you aware of that, sir? 09:46:02	24	Q. Okay. 09:48:07
25	A. No, I'm not. 09:46:04	25	A. And then it jumps to 199, which is 09:48:07
	Page 42		Page 43
1	Page 42 where the foundation manufacturer was included in 09:48:12	1	Page 43
1 2	where the foundation manufacturer was included in 09:48:12	1 2	fair? 09:49:20
2	where the foundation manufacturer was included in 09:48:12 detail in that. 09:48:15	2	fair? 09:49:20 A. No, that's because of the way 09:49:20
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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	where the foundation manufacturer was included in 09:48:12 detail in that. 09:48:15 Q. So, I believe Mr. Rose's evidence 09:48:16 was that there was a more detailed project schedule 09:48:18 prepared by URS that was more akin to the Windstream 09:48:21 schedule you have in front of you; is that accurate? 09:48:24 A. It's not more it wasn't 09:48:28 prepared by us. There was another schedule which we 09:48:29 were working with the Sgurr schedule, so that is 09:48:33 potential possibly the one Mr. Rose was referring 09:48:39 to. 09:48:42 Q. So, the one he was referring to 09:48:43 was the Windstream schedule? 09:48:45 A. Which we were working with 09:48:47 Q. Okay. 09:48:49 A in trying to understand the 09:48:49 impact of the issues we'd identified. 09:48:50 Q. So your evidence is that there is 09:48:53 no more detailed schedule underlying this schedule? 09:48:57 Q. So I guess on first glance what 09:49:02 strikes me about this particular schedule that 09:49:05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	fair? A. No, that's because of the way we've, if you like, aggregated or, as we've described in detail, we've taken activities that do 99:49:23 described in parallel. 99:49:34 So, for example, we've assumed all the 99:49:49 Those all take place — I say in parallel; they're 99:49:41 Those all take place — I say in parallel; they're 99:49:44 not sequential activities and therefore, they — but 99:49:49 they are rolled up into that one line as we've 99:49:52 discussed previously. 99:49:55 Q. We covered some of the field 99:49:56 studies issues with Mr. Rose, so if I'm — if I ask 99:49:57 you a question that's beyond what you know, just say 99:50:00 so and we don't need to cover it. 99:50:02 But if you look at the field studies, 99:50:04 for example, line 9, and I believe Mr. Rose's 99:50:06 evidence is that effectively that consists of going 99:50:13 out in the field and studying things like fish and 99:50:25 A. I think what's important on that 99:50:28

	Page 44		Page 45
1	described it's in section, I believe, 5.2.3 on 09:50:40	1	for the first 12 months of this 657-day period what 09:51:51
2	starting on page 86 and continuing on page 87. 09:50:49	2	Windstream is doing is going out into the field and 09:51:56
3	Q. Yes, this is some of the ground we 09:50:56	3	doing things like studying fish and birds and bats 09:51:58
4	covered with Mr. Rose. 09:50:58	4	and terrestrial creatures, which starts in 2011, 09:52:02
5	A. Mr. Rose, that's correct, yeah. 09:50:59	5	I guess at the beginning of Q2, under this 09:52:06
6	Q. I think, as I understand it 09:51:01	6	schedule 09:52:09
7	anyway, it starts with the field studies for 12 09:51:02	7	A. Uh-hmm. 09:52:10
8	months in this report and then the reports in 09:51:06	8	Q so it would continue to 2012, 09:52:10
9	connection with the field studies follow and then 09:51:09	9	beginning to the beginning of Q2. 09:52:13
10	the MNR approval. 09:51:11	10	The only other things on this schedule 09:52:15
11	A. Approvals, yeah. 09:51:14	11	that it would be doing is doing wind measurement. 09:52:17
12	Q. So at least the first 12-month 09:51:14	12	It says Long Island. I take that to mean Long 09:52:20
13	period shown here at the very least 09:51:17	13	Point? 09:52:23
14	A. The first 12 months of that. In 09:51:19	14	A. Yeah, that should be. That's 09:52:25
15	fact, if you look at paragraph 444 on page 87, 09:51:21	15	correct, that should be Long Point. 09:52:27
16	I think it it summarizes 09:51:26	16	Q. And then offshore mast procurement 09:52:29
17	Q. Right. 09:51:29	17	and installation. So you're saying they'll do wind 09:52:31
18	A further details given in the 09:51:30	18	measurement on Long Point and they'll do wind 09:52:35
19	earlier ones, how we arrive at that 657 days. 09:51:32	19	measurement at an offshore location; is that what 09:52:38
20	Q. Yeah, I understand that. 09:51:37	20	you're saying? 09:52:42
21	I'm just asking I'm more asking you 09:51:38	21	A. Yes, because the delay, they would 09:52:42
22	right now about sequencing as opposed to the 09:51:39	22	be able to we assume they would be able to, as 09:52:44
23	particular time periods, so the and I understand 09:51:42	23	was demonstrated, to get approval for the on-shore 09:52:47
24	you are the sequencing person I should be directing 09:51:44	24	on Long Point met mast and, therefore, get the 24 09:52:52
25	those questions to. And so if we understand that 09:51:48	25	months. Again, this is described in there. 09:52:57
23	those questions to. And so if we understand that 07.51.46		months. Again, this is described in there.
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1	•	1	•
1 2	Q. I understand. I just want - 09:52:59	1 2	A. No, they what we did was we 09:54:04
1 2 3	Q. I understand. I just want - 09:52:59 A. So, yeah. But I - the other 09:53:01		A. No, they what we did was we assumed for the purpose of scheduling here 09:54:05
2	Q. I understand. I just want - 09:52:59 A. So, yeah. But I the other 09:53:01 point important point is that this schedule, in 09:53:05	2	A. No, they what we did was we assumed for the purpose of scheduling here a 12-month period for financial negotiations. 09:54:09
2	Q. I understand. I just want 09:52:59 A. So, yeah. But I the other 09:53:01 point important point is that this schedule, in 09:53:05 order to allow simplified analysis, we've only taken 09:53:10	2	A. No, they what we did was we 09:54:04 assumed for the purpose of scheduling here 09:54:05 a 12-month period for financial negotiations. 09:54:09 Q. Which begins 09:54:15
2 3 4	Q. I understand. I just want — 09:52:59 A. So, yeah. But I — the other 09:53:01 point important point is that this schedule, in 09:53:05 order to allow simplified analysis, we've only taken 09:53:10 those issues which drive the critical path. 09:53:13	2 3 4 5	A. No, they what we did was we assumed for the purpose of scheduling here as 12-month period for financial negotiations. 09:54:09 Q. Which begins 09:54:15 A. Sorry. Of which we assume that 09:54:17
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2 3 4 5 6	Q. I understand. I just want — 09:52:59 A. So, yeah. But I — the other 09:53:01 point important point is that this schedule, in 09:53:05 order to allow simplified analysis, we've only taken 09:53:10 those issues which drive the critical path. 09:53:13 Q. Okay? 09:53:16 A. If you look at the Sgurr schedule, 09:53:16	2 3 4 5 6	A. No, they what we did was we assumed for the purpose of scheduling here assumed for financial negotiations. 09:54:05 Q. Which begins 09:54:15 A. Sorry. Of which we assume that 09:54:17 nine months would take place before ERT. 09:54:21 Q. Right. 09:54:26
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	Page 48		Page 49
1	A. So therefore we were not working 09:55:37	1	Q. Okay. 09:56:51
2	backwards. We were looking at the typical time 09:55:40	2	A. Most of what's in there underlying 09:56:51
3	periods involved and assessing what was 09:55:43	3	it, not necessarily expressly shown in here, is 09:56:54
4	realistically required for a project. 09:55:47	4	based on the Sgurr program. 09:57:00
5	Q. Okay, so you started from the 09:55:50	5	Q. I take it yes, and there 09:57:01
6	start date and you worked frontwards from there; 09:55:51	6	actually is quite a lot of ground and that's 09:57:03
7	right? 09:55:55	7	described and so we don't have a dispute about that. 09:57:07
8	A. We, in principle, that's correct. 09:55:57	8	I take it though that what you did not 09:57:09
9	We looked at the actually when you are and I'm 09:55:58	9	do is start from the end date that was the target 09:57:12
10	talking generally now not specifically, but normally 09:56:04	10	under the FIT contract and work backwards from that 09:57:17
11	when you're doing this sort of programming, what you 09:56:07	11	to see whether that was achievable; right? 09:57:19
12	start with is you do an assessment of what the 09:56:11	12	A. If we'd done that, worked 09:57:22
13	actual times were or are required. 09:56:13	13	backwards, we would have found that we would have 09:57:23
14	You put that all together into 09:56:15	14	had to have started that much earlier. 09:57:26
15	a program, and then, as normally happens, you find 09:56:19	15	Q. Okay. 09:57:28
16	that that's too long. Then you start looking at 09:56:24	16	A. Because it is activity-duration 09:57:29
17	ways in which that could be mitigated. 09:56:27	17	driven. 09:57:31
18	Q. So when you were putting together 09:56:31	18	Q. Okay. I have a question about the 09:57:31
19	this schedule, as I understand your evidence, you 09:56:33	19	FIT contract and notice to proceed. Is that 09:57:42
20	started from the start date of February 11, 2011 and 09:56:35	20	a question for you or for Mr. Barillaro? 09:57:45
21	then you went forward from there, in terms of adding 09:56:38	21	A. I am not entirely sure until 09:57:51
22	on tasks; is that correct? 09:56:40	22	I hear the question. 09:57:56
23	A. Again, we also said that we used 09:56:43	23	Q. Okay. Well let's try it out 09:57:57
24	the Sgurr program as a general as the basis of 09:56:46	24	A. Try it out and I'll let you know 09:57:59
25	what we did. 09:56:49	25	whether I feel I'm best placed to answer that or 09:58:01
	Page 50		Page 51
1	_	1	
1 2	Q. Neither of you, I take it, has 09:58:06	1 2	client, yes. 09:59:31
	Q. Neither of you, I take it, has 09:58:06 experience with the FIT contract or the FIT program? 09:58:08		
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		1	
	Page 52		Page 53
1	what I'm exploring is the source of his information 10:00:22	1	PRESIDENT: Which document are we at? 10:01:47
2	in connection with how to interpret the FIT 10:00:25	2	Which tab? 10:01:48
3	contract, and so if he received information from the 10:00:27	3	BY MS. SEERS: 10:01:48
4	Ministry of Energy or the OPA, I would submit that 10:00:29	4	Q. Tab 14. I'm sorry, 13, which is 10:01:50
5	we are entitled to explore that. 10:00:32	5	an excerpt from the FIT contract which has it is 10:01:56
6	PRESIDENT: That is fine. 10:00:33	6	actually in several places in the record but for our 10:01:59
7	MS. SEERS: So I think the witness's 10:00:34	7	purposes, it is R-0092. 10:02:02
8	answer is that he did not; is that right, sir. 10:00:36	8	And you've cited to section 2.4 (f) 10:02:04
9	THE WITNESS: No, we did not. 10:00:45	9	I believe, but if you could turn first to 10:02:09
10	BY MS. SEERS: 10:00:47	10	section 2.4 (b), which actually just which 10:02:12
11	Q. If you go to paragraph 216, you 10:01:02	11	actually talks about the conditions precedent to 10:02:17
12	say here: 10:01:01	12	issuing notice to proceed; do you see that? 10:02:20
13	"The OPA Notice to Proceed can 10:01:02	13	A. Yes. 10:02:22
14	only be requested after Financial 10:01:02	14	Q. It says: 10:02:25
15	Close and is issued 20 working 10:01:02	15	"The OPA shall not issue Notice to 10:02:26
16	days after receipt of the 10:01:02	16	Proceed in accordance with 10:02:30
17	application" 10:01:02	17	Section 2.4 until the Supplier" 10:02:32
18	Right? 10:01:13	18	so Windstream 10:02:33
19	A. That was our interpretation. 10:01:14	19	"provides the OPA with an NTP 10:02:34
20	Q. Right. And you cite to the 10:01:15	20	request in the Prescribed Form, 10:02:40
21	provisions of the FTT contract which is R-0092, 10:01:16	21 22	and provided such NTP Request is 10:02:40
22 23	section 2.4 (f); correct? 10:01:21	23	complete in all respects. An NTP 10:02:40
24	A. I guess we're going here, are we? 10:01:24	24	Request shall not be completed 10:02:43
25	Q. We are. At tab 14 on page 10:01:26 page well you 10:01:44	25	unless it includes all the 10:02:45 following (the "NTP 10:02:47
23	page well you 10:01:44	23	following (the "NTP 10:02:47
	Page 54		Page 55
1	prerequisites.") 10:02:48	1	the financing; right? 10:03:29
2	Do you see that? 10:02:49	2	A. Yes. 10:03:30
3	A. Yes. 10:02:49	3	Q. And it only contemplates 10:03:31
4	Q. And then under section 2 it 10:02:50	4	commitments to fund at a later date, not 10:03:33
5	discusses what we're talking about here 10:02:51	5	a commitment to fund as of the date that the notice 10:03:37
6	A. That's correct. 10:02:51	6	to proceed is issued; correct? 10:03:41
7	Q financing. It says: 10:02:51	7	A. No, I don't necessarily I don't 10:03:51
8	"(ii) a completed financing plan 10:02:54	8	understand when you say that "to fund at a later 10:03:55
9	in the Prescribed Form, listing 10:02:55	9	date." 10:03:59
10	all sources of equity or debt 10:02:58	10	Q. Okay. That's okay, we actually 10:04:00
11	financing for the development of 10:03:00	11	have evidence from Sarah Powell on this point, so we 10:04:03
12	the Contract Facility along with 10:03:01	12	are maybe we're reaching the end of your expertise? 10:04:05
13	signed commitments letters from 10:03:05	13	A. Yes, I suggest that you should 10:04:11
14	sources of financing representing 10:03:06	14	also address this specific issue to Mr. Barillaro. 10:04:12
15	collectively at least 50 percent 10:03:07	15	Because in the discussions I had with him, 10:04:16
16	of the expected development costs, 10:03:10	16	essentially, we worked on the basis that for the 10:04:21
17	stating their agreement in 10:03:14	17	purpose of funding almost and again I defer to 10:04:27
18	principle to providing the 10:03:15	18	his actual words on this that effectively 10:04:32
19	necessary financing, which 10:03:16	19	50 percent for a project of this size, all lenders 10:04:39
20	commitment(s) may be conditional 10:03:18	20	would make it conditional on other funders 10:04:43
21	on the issuance of notice to 10:03:21	21	participating. 10:04:48
22	proceed." 10:03:22	22	Q. And we'll move on from this topic 10:04:49
22 23	proceed." 10:03:22 So you'll agree with me, sir, that the 10:03:23	23	because I think we're reaching the edge of your 10:04:51
22	proceed." 10:03:22		· · · · · · · · · · · · · · · · · · ·

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1	actual closing of 50 percent of the funding as 10:05:00	1	Mr. Rose agreed with us on Friday, 10:06:02
2	opposed to a commitment letter to fund at a later 10:05:02	2	I believe, that the foundation manufacturing 10:06:05
3	date; that's your understanding? 10:05:05	3	facility does not require an REA. And that was 10:06:09
4	A. Yeah, our understanding, and it's 10:05:08	4	confirmed, of course by the testimony of Ms. Powell 10:06:12
5	my understanding now, and I accept I'm not a lawyer. 10:05:09	5	and of Ms. Dumais; do you recall that? 10:06:15
6	Q. Yes. 10:05:14	6	A. I recall that, yes. 10:06:18
7	A. Is that which may be conditional 10:05:15	7	Q. So, if you turn up paragraph 225 10:06:19
8	on issuance of notice to proceed. It doesn't state 10:05:19	8	of your report, second report. It says: 10:06:23
9	being conditional on any other factors; it is only 10:05:21	9	"Commencement of construction ahead 10:06:28
10	issued conditional on notice to proceed. 10:05:25	10	of the OPA Notice to Proceed is 10:06:28
11	Q. Were you present, sir, when Sarah 10:05:27	11	illegal, resulting in a HIGH risk 10:06:28
12	Powell gave evidence on this topic? 10:05:28	12	for the Project, with HIGH 10:06:28
13	A. I was that was our 10:05:30	13	repercussions on programme, as the 10:06:28
14	understanding. 10:05:32	14	delays in completing The Onshore 10:06:28
15	Q. That was your understanding. But 10:05:33	15	Manufacturing Facilities" 10:06:28
16	you will recall her evidence was that notice to 10:05:34	16	So that's the gravity-based 10:06:28
17	proceed is actually typically, itself, a condition 10:05:37	17	foundation, manufacturing facility that's 10:06:28
18	precedent to financial close; not the other way 10:05:41	18	a third-party facility. 10:06:28
19	around; do you recall that? 10:05:44	19	" will delay the rest of the 10:06:50
20	A. That's quite a common situation. 10:05:46	20	construction activities resulting 10:06:53
21	Q. Okay, and you don't have any 10:05:49	21	in a failure of the project to 10:06:54
22	information do contradict that? 10:05:51	22	meet its own deadlines." 10:06:56
23	A. No. 10:05:52	23	Do you see that? 10:06:58
24	Q. We'll ask Mr. Barillaro these 10:05:57	24	A. Yes. 10:06:59
25	questions as well. 10:05:58	25	Q. So I take it that URS is 10:06:59
	Page 58		Page 59
1	withdrawing this paragraph? 10:07:00	1	storage facilities related to the construction of 10:08:20
		2	<u> </u>
2	A. At the time of preparing this 10:07:02	4	the project. For example, filtrine lay down areas and 10:08:23
3	A. At the time of preparing this 10:07:02 report, we had the statement from WSP which we 10:07:05	3	the project, for example, turbine lay down areas and 10:08:23 assembly areas were subject to the REA. 10:08:27
	report, we had the statement from WSP which we 10:07:05		assembly areas were subject to the REA. 10:08:27
3	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11	3	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31
3 4	report, we had the statement from WSP which we understood, indicated that they considered that the on-shore manufacturing facilities would be part of 10:07:15	3 4	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33
3 4 5	report, we had the statement from WSP which we understood, indicated that they considered that the on-shore manufacturing facilities would be part of the REA. 10:07:19	3 4 5	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31
3 4 5 6	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of the REA. 10:07:19 We actually Mr. Rose has already 10:07:20	3 4 5 6	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36
3 4 5 6 7	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23	3 4 5 6 7	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36
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3 4 5 6 7 8 9	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23	3 4 5 6 7 8	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23 statement made in our first report that we don't 10:07:30 we accept that it would not necessarily be part of 10:07:34 it. 10:07:38 Q. So we can all put this X in the 10:07:40 paragraph of the second report? 10:07:42 A. In that particular one, yes. 10:07:44 Yeah. 10:07:45 Q. Paragraph 225, I'm putting an X 10:07:46 on. 10:07:49 A. You can 10:07:50	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43 proceed or is planned to continue through the winter 10:08:48 months. 10:08:53 Q. When you say on-shore I don't 10:08:53 mean to interrupt you, but could you 10:08:56 A. The gravity-based foundations will 10:08:57 continue through the winter months. 10:09:00 Q. And just if I could stop you for 10:09:02 one moment, when you say on-shore manufacturing 10:09:04
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23 statement made in our first report that we don't 10:07:30 we accept that it would not necessarily be part of 10:07:34 it. 10:07:38 Q. So we can all put this X in the 10:07:40 paragraph of the second report? 10:07:42 A. In that particular one, yes. 10:07:44 Yeah. 10:07:45 Q. Paragraph 225, I'm putting an X 10:07:46 on. 10:07:49 A. You can 10:07:50 Q. And you said "Not necessarily" 10:07:51	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43 proceed or is planned to continue through the winter 10:08:48 months. 10:08:53 Q. When you say on-shore I don't 10:08:53 mean to interrupt you, but could you 10:08:56 A. The gravity-based foundations will 10:08:57 continue through the winter months. 10:09:00 Q. And just if I could stop you for 10:09:02 one moment, when you say on-shore manufacturing 10:09:04 facilities, do you mean gravity-based foundation 10:09:07
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23 statement made in our first report that we don't 10:07:30 we accept that it would not necessarily be part of 10:07:34 it. 10:07:38 Q. So we can all put this X in the 10:07:40 paragraph of the second report? 10:07:42 A. In that particular one, yes. 10:07:44 Yeah. 10:07:45 Q. Paragraph 225, I'm putting an X 10:07:46 on. 10:07:49 A. You can 10:07:50 Q. And you said "Not necessarily" 10:07:51 sir, are you saying that there's a possibility? 10:07:53	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43 proceed or is planned to continue through the winter 10:08:48 months. 10:08:53 Q. When you say on-shore I don't 10:08:53 mean to interrupt you, but could you 10:08:56 A. The gravity-based foundations will 10:08:57 continue through the winter months. 10:09:00 Q. And just if I could stop you for 10:09:02 one moment, when you say on-shore manufacturing 10:09:04 facilities, do you mean gravity-based foundation 10:09:07 facilities that's the third-party facility let's 10:09:09
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23 statement made in our first report that we don't 10:07:30 we accept that it would not necessarily be part of 10:07:34 it. 10:07:38 Q. So we can all put this X in the 10:07:40 paragraph of the second report? 10:07:42 A. In that particular one, yes. 10:07:44 Yeah. 10:07:45 Q. Paragraph 225, I'm putting an X 10:07:46 on. 10:07:49 A. You can 10:07:50 Q. And you said "Not necessarily" 10:07:51 sir, are you saying that there's a possibility? 10:07:57	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43 proceed or is planned to continue through the winter 10:08:48 months. 10:08:53 Q. When you say on-shore I don't 10:08:53 mean to interrupt you, but could you 10:08:56 A. The gravity-based foundations will 10:08:57 continue through the winter months. 10:09:00 Q. And just if I could stop you for 10:09:02 one moment, when you say on-shore manufacturing 10:09:04 facilities, do you mean gravity-based foundation 10:09:07 facilities that's the third-party facility let's 10:09:09 call it St. Mary's Cement facility just for 10:09:13
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23 statement made in our first report that we don't 10:07:30 we accept that it would not necessarily be part of 10:07:34 it. 10:07:38 Q. So we can all put this X in the 10:07:40 paragraph of the second report? 10:07:42 A. In that particular one, yes. 10:07:44 Yeah. 10:07:45 Q. Paragraph 225, I'm putting an X 10:07:46 on. 10:07:49 A. You can 10:07:50 Q. And you said "Not necessarily" 10:07:51 sir, are you saying that there's a possibility? 10:07:57 I think often that there are a number 10:07:58	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43 proceed or is planned to continue through the winter 10:08:48 months. 10:08:53 Q. When you say on-shore I don't 10:08:53 mean to interrupt you, but could you 10:08:56 A. The gravity-based foundations will 10:08:57 continue through the winter months. 10:09:00 Q. And just if I could stop you for 10:09:02 one moment, when you say on-shore manufacturing 10:09:04 facilities, do you mean gravity-based foundation 10:09:07 facilities that's the third-party facility let's 10:09:09 call it St. Mary's Cement facility just for 10:09:13 shorthand? Is that what you mean? 10:09:17
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	report, we had the statement from WSP which we understood, indicated that they considered that the 10:07:11 on-shore manufacturing facilities would be part of 10:07:15 the REA. 10:07:19 We actually Mr. Rose has already 10:07:20 indicated that we would revert back to the the 10:07:23 statement made in our first report that we don't 10:07:30 we accept that it would not necessarily be part of 10:07:34 it. 10:07:38 Q. So we can all put this X in the 10:07:40 paragraph of the second report? 10:07:42 A. In that particular one, yes. 10:07:44 Yeah. 10:07:45 Q. Paragraph 225, I'm putting an X 10:07:46 on. 10:07:50 Q. And you said "Not necessarily" 10:07:51 sir, are you saying that there's a possibility? 10:07:57 I think often that there are a number 10:07:58 in this which, again, I'm speculating now and if I'm 10:08:01	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	assembly areas were subject to the REA. 10:08:27 Q. The construction that's being 10:08:31 discussed in this 10:08:33 A. No, sorry, just let me just 10:08:34 continue. 10:08:36 Q. Sure. 10:08:36 A. The construction the 10:08:37 manufacture of the on-shore facilities has to 10:08:43 proceed or is planned to continue through the winter 10:08:48 months. 10:08:53 Q. When you say on-shore I don't 10:08:53 mean to interrupt you, but could you 10:08:56 A. The gravity-based foundations will 10:08:57 continue through the winter months. 10:09:00 Q. And just if I could stop you for 10:09:02 one moment, when you say on-shore manufacturing 10:09:04 facilities, do you mean gravity-based foundation 10:09:07 facilities that's the third-party facility let's 10:09:09 call it St. Mary's Cement facility just for 10:09:13 shorthand? Is that what you mean? 10:09:17 A. I mean the on-shore manufacturing 10:09:18

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	Page 60		Page 61
1	statement as to whether that was intended to be 10:09:28	1	shut-down period, and, therefore, for that, at least 10:10:32
2	third-party or not. That statement has been made in 10:09:31	2	three-month period, they will have to store the 10:10:38
3	subsequent statements in this hearing, at the time 10:09:33	3	foundations as they're produced. 10:10:41
4	there was no evidence. And, in fact, you could 10:09:35	4	Now, at that stage, those are 10:10:44
5	almost take it that they'd had as they had had 10:09:39	5	completed foundations with only one specific purpose 10:10:47
6	discussions with St. Mary's Cement, for example, but 10:09:43	6	which is for the wind farm. And I think and I'm 10:10:50
7	they were intending, potentially, developing that 10:09:46	7	speculating as I said that that then where 10:10:55
8	facility themselves. 10:09:49	8	does that boundary come? That becomes part is it 10:10:59
9	So, I think that it is important that 10:09:50	9	different to the turbine assembly? 10:11:03
10	at the time that we had to proceed on the 10:09:59	10	Q. So your evidence is that there is 10:11:06
11	assumption, because there was no other evidence, 10:10:00	11	a possibility that that will be covered by the REA? 10:11:07
12	that Windstream might develop their own 10:10:02	12	A. I am suggesting that there is 10:11:11
13	gravity-based manufacturing facility. 10:10:05	13	a possibility. I'm not providing expert opinion on 10:11:12
14	Q. Can we, though, just clarify, 10:10:13	14	that or anything. I'm speculating because you asked 10:11:15
15	because there has been some confusion, just give it 10:10:14	15	me about that. 10:11:21
16	a name like foundation fabrication facility? 10:10:16	16	Q. Let's move on back to the 10:11:26
17	A. Shall we call it the foundation 10:10:19	17	schedule. Page 91. 10:11:28
18	manufacturing facility, I'm comfortable with that. 10:10:20	18	So, again, just to understand what 10:11:51
19	Q. I think that will help clear 10:10:23	19	this shows for the record so we're all on the same 10:11:52
20	things up. 10:10:24	20	page, you have "financial close in January of 2015," 10:11:55
21	A. Yes. 10:10:25	21	which is line I guess it's line 15 which is 10:11:57
22	Q. So please continue with your 10:10:25	22	"conclude financial negotiations"; right? 10:12:05
23 24	explanation. 10:10:27	23 24	A. Correct, yes. 10:12:08
25	A. So the foundation manufacturing 10:10:28	25	Q. So, you would have financial close 10:12:09
25	facility is meant to operate during the winter 10:10:30	25	on January 16, 2015. 10:12:10
	Page 62		Page 63
1	A. Correct. 10:12:14	1	months, yes. 10:13:16
2	Q. And then OPA notice to proceed 10:12:14	2	Q. I said design and manufacturing? 10:13:17
3	would follow, of course we disagree upon that, but 10:12:16	3	A. Yes. 10:13:18
4	that's another 10:12:20	4	Q. So it's together? 10:13:18
5	A. That was the basis on which this 10:12:20	5	A. Those together, yes, 21 months. 10:13:20
6	was prepared. 10:12:22	6	Q. And then installation occurs over 10:13:22
7	Q. And then at lines 18 to 20 you 10:12:22	7	six months from May 2016 to November 2016 and that's 10:13:27
8	have a number of items relating to an elevator 10:12:28	8	at line 20; correct? 10:13:32
9	platform that will be used to lower the manufactured 10:12:31	9	A. Correct. 10:13:34
10	gravity foundations into the water; is that correct? 10:12:36	10	Q. And so if we compare that to 10:13:38
11	A. That's correct. 10:12:39	11	Windstream's schedule, the big guy. 10:13:41
12	Q. So you have design of the elevator 10:12:39	12	At line 272. 10:13:51
13	platform from August 2014 to February 2015, at line 10:12:41	13	Pardon me, 273. Do you see that? 10:14:03
14	18; right? 10:12:45	14	A. Yes. 10:14:12
15	A. Correct. 10:12:46	15	Q. You have elevator procurement. 10:14:12
16	Q. Then you have manufacturing of 10:12:49	16	Elevator platform procure; rather? 10:14:14
17	that platform occurring from February of 2015 to 10:12:51	17	A. Correct. 10:14:18
18	May 2016 at line 19? 10:12:54	18	Q. So the platform is procured, so 10:14:19
19	A. Correct. 10:12:56	19	I guess ordered, in December of 2012 and then 10:14:23
20	Q. And so I take it that the design 10:12:56	20	received in April 2014; right? Under this schedule? 10:14:26
21	and the manufacturing of this elevator in your 10:13:00	21	A. Correct, yes. 10:14:32
22	schedule takes about one-year and nine months; 10:13:03	22	Q. And then it's installed over about 10:14:33
23	right? 10:13:06	23	two months from April to June 2014 and that's line 10:14:35
24 25	A. The manufacturing sorry yes, 10:13:09	24	274; do you see that? 10:14:41 A. Yes. 10:14:43
	that's correct, yes, that's one-year and nine 10:13:13	25	

		1	
	Page 64		Page 65
1	Q. So under this schedule, I guess, 10:14:43	1	Q. And then you allow about five 10:15:47
2	if your understanding is the same as mine, the 10:14:46	2	months more than the Windstream schedule for the 10:15:48
3	procurement and the manufacturing begins before 10:14:48	3	design and manufacturing of that component? 10:15:51
4	financial close; right? 10:14:51	4	A. Yes, although the Windstream 10:15:58
5	A. Yes. 10:14:56	5	schedule is only for procurement so, whether that's 10:16:01
6	Q. So that means that it's funded by 10:14:57	6	from time of placing order is not clear. I would 10:16:12
7	equity, not by debt; right? 10:15:00	7	just point out that the information we've based on 10:16:14
8	A. It is funded by the sponsors, 10:15:02	8	schedule on was obtained by one of the major 10:16:17
9	correct. 10:15:03	9	suppliers of this type of equipment. 10:16:20
10	Q. So then if we can just summarize 10:15:04	10	Q. We'll get to that. 10:16:22
11	the discrepancies because this actually ends up 10:15:06	11	A. And we used their minimum periods. 10:16:23
12	having quite an impact on the end date. 10:15:09	12	Q. We'll get to that. I'm just 10:16:27
13	The main discrepancy between the two 10:15:12	13	trying to compare the two schedules for now. So 10:16:29
14	schedules is that the URS schedule only begins the 10:15:15	14	there is a five-month discrepancy. And I guess 10:16:31
15	manufacturing after financial close, so you're not 10:15:19	15	then, under the Windstream schedule, if it's being 10:16:33
16	even giving the supplier the go-ahead until 10:15:21	16	funded by equity, it could in theory it could be 10:16:38
17	financial close occurs; correct? 10:15:26	17	ordered even earlier if it had a longer lead time; 10:16:42
18	A. That was the basis which we stated 10:15:28	18	right? So it is not like it depends on any 10:16:46
19	clearly for our schedule. 10:15:30	19	condition precedent; it simply depends on the 10:16:49
20	Q. Yes. So you are assuming that the 10:15:32	20	developer's willingness to put up equity; right? 10:16:51
21	equities that there is no equity sponsor or that 10:15:35	21	A. That's correct. 10:16:54
22	the sponsors the developers of the project are 10:15:38	22	Q. So even if it's true even if 10:16:54
23	not ordering that piece of equipment before 10:15:40	23	the timelines that you're proposing are accurate, so 10:16:56
24	financial close; right? 10:15:42	24	long as the Windstream developers were prepared to 10:17:03
25	A. That's correct. 10:15:44	25	put up the equity earlier, that wouldn't make 10:17:06
	Page 66		Page 67
1	a difference in this schedule; is that correct? 10:17:08	1	an expert in scheduling, but it's actually you 10:18:10
2	A. That's correct, yes. 10:17:11	2	have financial close in where? I apologize. Let 10:18:18
3	Q. And you've allowed four months 10:17:11	3	me find it. You have financial close in October, 10:18:24
4	more than the Windstream schedule for the 10:17:13	4	2014; right? 10:18:27
5	installation of the elevator; right? 10:17:15	5	A. Yes. 10:18:29
6	A. Correct. 10:17:18	6	Q. So you got the bank saying where 10:18:32
7	Q. So the whole process of waiting 10:17:18	7	
8			you're ready to go, you have all your money and then 10:18:35
0	until financial close before this piece of equipment 10:17:21	8	you're ready to go, you have all your money and then 10:18:35
9	until financial close before this piece of equipment 10:17:21 is even ordered and then having more time for the 10:17:24		you're not installing foundations until 2017; right? 10:18:38
10	until financial close before this piece of equipment 10:17:21 is even ordered and then having more time for the 10:17:24 manufacturing and installation of it, delays 10:17:27	8	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45
10 11	is even ordered and then having more time for the 10:17:24	8 9	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45 installing foundations; right? 10:18:47
	is even ordered and then having more time for the 10:17:24 manufacturing and installation of it, delays 10:17:27	8 9 10	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45 installing foundations; right? 10:18:47 A. Correct. 10:18:50
11	is even ordered and then having more time for the 10:17:24 manufacturing and installation of it, delays 10:17:27 everything else that follows because, of course, you 10:17:31 can't install any foundation in the water until you 10:17:34 have the elevator platform that can lower that into 10:17:37	8 9 10 11	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45 installing foundations; right? 10:18:47 A. Correct. 10:18:50 Q. And that's that's because of 10:18:50
11 12 13 14	is even ordered and then having more time for the 10:17:24 manufacturing and installation of it, delays 10:17:27 everything else that follows because, of course, you 10:17:31 can't install any foundation in the water until you 10:17:34 have the elevator platform that can lower that into 10:17:37 the water; correct? 10:17:42	8 9 10 11 12	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45 installing foundations; right? 10:18:47 A. Correct. 10:18:50
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11 12 13 14 15 16 17 18 19 20 21 22 23	is even ordered and then having more time for the 10:17:24 manufacturing and installation of it, delays 10:17:27 everything else that follows because, of course, you 10:17:31 can't install any foundation in the water until you 10:17:34 have the elevator platform that can lower that into 10:17:37 the water; correct? 10:17:42 A. Correct. 10:17:44 Q. So in other words, even if you 10:17:44 could get the foundations lined up and ready to go, 10:17:45 the fact that this piece of equipment has not been 10:17:48 ordered until financial close, creates a bottleneck 10:17:51 that you really that really creates a substantial 10:17:54 time lag in the schedule that you've proposed; 10:17:56 right? 10:17:59 A. Yes. One potential. 10:18:00	8 9 10 11 12 13 14 15 16 17 18 19 20 21	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45 installing foundations; right? 10:18:47 A. Correct. 10:18:50 Q. And that's that's because of 10:18:50 this delay in getting this elevator this the site; 10:18:53 right? 10:18:56 A. That's one of the one of the 10:18:57 potential reasons, yes. 10:18:59 Q. Okay. And you mentioned this just 10:19:01 now, the source of your information and let me 10:19:08 just clarify, you yourself have don't have any 10:19:10 experience with procuring this type of equipment in 10:19:14 North America; right? 10:19:16 A. Personally, no. I'm Chris 10:19:20 Frith who did this work for us, I mentioned he was 10:19:26
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11 12 13 14 15 16 17 18 19 20 21 22 23	is even ordered and then having more time for the 10:17:24 manufacturing and installation of it, delays 10:17:27 everything else that follows because, of course, you 10:17:31 can't install any foundation in the water until you 10:17:34 have the elevator platform that can lower that into 10:17:37 the water; correct? 10:17:42 A. Correct. 10:17:44 Q. So in other words, even if you 10:17:44 could get the foundations lined up and ready to go, 10:17:45 the fact that this piece of equipment has not been 10:17:48 ordered until financial close, creates a bottleneck 10:17:51 that you really that really creates a substantial 10:17:54 time lag in the schedule that you've proposed; 10:17:56 right? 10:17:59 A. Yes. One potential. 10:18:00	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	you're not installing foundations until 2017; right? 10:18:38 So two years after the bank gives you money, you are 10:18:45 installing foundations; right? 10:18:47 A. Correct. 10:18:50 Q. And that's that's because of 10:18:50 this delay in getting this elevator this the site; 10:18:53 right? 10:18:56 A. That's one of the one of the 10:18:57 potential reasons, yes. 10:18:59 Q. Okay. And you mentioned this just 10:19:01 now, the source of your information and let me 10:19:08 just clarify, you yourself have don't have any 10:19:10 experience with procuring this type of equipment in 10:19:14 North America; right? 10:19:16 A. Personally, no. I'm Chris 10:19:20 Frith who did this work for us, I mentioned he was 10:19:26

	Page 68		Page 69
1	with this type of equipment. 10:19:37	1	A. Yes. 10:21:11
2	Q. In Europe? 10:19:39	2	Q. And then under (i), you will see 10:21:11
3	A. I'm not sure where. But he's 10:19:39	3	that: 10:21:15
4	I mean if you remember, we recognize that he'd 10:19:41	4	"URS has conducted discussions 10:21:16
5	worked all over the world. 10:19:43	5	with equipment manufacturers" 10:21:16
6	Q. But not in North America? 10:19:44	6	Do you see that? 10:21:17
7	A. I seem to remember that he'd 10:19:47	7	A. I see that. 10:21:17
8	worked in Mexico but I 10:19:49	8	Q. So that's discussions plural, but 10:21:18
9	Q. The source ever your information 10:19:57	9	I only see one email. I take there weren't any 10:21:20
10	on which you base these time periods that then 10:20:00	10	other discussions? 10:21:24
11	create, I'll put to you, a really rather substantial 10:20:04	11	A. I'm not sure. We might have made 10:21:25
12	lag in this schedule is an email, one email; 10:20:07	12	telephone calls too, I can't comment. 10:21:27
13	correct? That's been attached as Exhibit R-0630. 10:20:09	13	Q. You don't know? 10:21:43
14	You will have at Tab 11 of your binder. If 10:20:15	14	A. No. 10:21:43
15	I understand your report, this is the only evidence 10:20:22	15	Q. So let's look at the email. 10:21:43
16	upon which you based these conclusions with respect 10:20:24	16	So this is an email from your 10:21:44
17	to these timeframes that then have the impact that 10:20:26	17	colleague, Mr. Frith to Mr. Bryan Fraind at a 10:21:46
18	they have on the schedule; correct? 10:20:30	18	company called Shiplift in Florida? 10:21:51
19	A. On that particular aspect, yes. 10:20:33	19	A. Are you? 10:21:58
20	Q. Yes. Okay. If I apologize. 10:20:36	20	Q. Oh, pardon me. You're at tab 11, 10:21:58
21	If I could just take you back to your report where 10:20:45	21	and that's R-0630. If you go to the bottom, let's 10:22:00
22	you explain this. It is on page 75. Do you see 10:20:47	22	track up the chain to see how this information came 10:22:16
23	(b), elevator platform? 10:21:08	23	to Mr. Frith and then into your report. So, 10:22:19
24	A. Yes. 10:21:11	24	Mr. Frith's email at the bottom, the very so it's 10:22:24
25	Q. See that sir? 10:21:11	25	page 6 of the exhibit, he writes to he writes to 10:22:29
1 2 3	Mr. Fraind or to somebody at this company, saying he 10:22:36 rang yesterday, he didn't have an email address. He 10:22:46 introduces himself as consulting engineers 10:22:50	1 2 3	much money would have to be 10:23:56 invested and when to make this 10:23:57 scheme a reality." 10:24:00
4	investigating the budget cost of a Shiplift in 10:22:50	4	Do you see that? 10:24:09
5	Canada and then gives his phone number. 10:22:50	5	A. Yes. 10:24:10
6	So do I understand from this that 10:22:54	6	Q. And then Mr. Fraind from Shiplift 10:24:11
7	Mr. Frith did not have any kind of relationship with 10:22:56	7	gives some prices, an estimate he calls it for 10:24:13
8	this company? 10:22:59	8	budgetary purposes. He says he can fine tune the 10:24:18
9	A. I can't comment on that. He 10:22:59	9	numbers later, you know, if necessary. 10:24:25
10	clearly knew of them. 10:23:01	10	Do you see that, sir? 10:24:31
11	Q. He appears to be introducing 10:23:03	11	A. Yes. 10:24:32
12	himself; would you disagree with that? 10:23:04	13	Q. And then Mr. Frith asks the 10:24:35 supplier: 10:24:39
13	A. I wouldn't disagree with that; I 10:23:06	14	supplier: 10:24:39 "Can you please indicate how long 10:24:39
14	wouldn't agree. 10:23:08	15	would be needed for each of the 10:24:40
15	Q. And then Mr. Fraind on the next 10:23:15	16	major stages, design, fabrication 10:24:42
16	page says he's been working on it. Mr. Frith 10:23:16	17	and installation." 10:24:46
17	responds, he thanks him and then they have a back 10:23:21	18	Do you see that? 10:24:47
18	and forth about the price and so on. 10:23:24	19	A. Yes. 10:24:51
19	And then there is an email on page 3, 10:23:34	20	Q. And then the supplier says: 10:24:51
20	from Mr. Frith and it says he's looking for 10:23:39	21	"A design would take roughly 6 to 10:24:53
21	an indicative cost of supply and an indicative 10:23:43	22	8 months, fabrication would take 10:24:55
22 23	timeframe; right? Do you see that? 10:23:47	23	roughly 16 to 18 months and 10:24:57
د ے	A. Yeah. 10:23:51	24	installation of the Shiplift and 10:25:00
24			
24 25	Q. And then he says: 10:23:53 "We're trying to determine how 10:23:55	25	Transfer System would be roughly 10:25:01

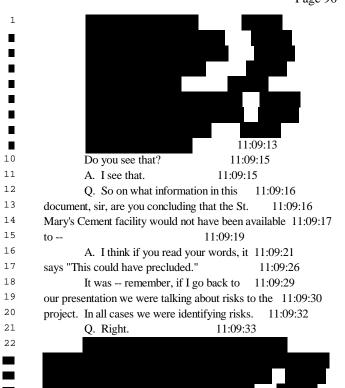
		1	
	Page 72		Page 73
1	six months." 10:25:07	1	when someone asks a question about how long things 10:26:19
2	And then Mr. Frith sends that 10:25:07	2	take, knowing that they will be negotiated downward; 10:26:22
3	information to Mr. Barillaro and he says Mr. 10:25:09	3	do you have any reason to disagree with that? 10:26:25
4	Barillaro says pardon me, Mr. Frith says: 10:25:10	4	A. That would be speculation. 10:26:28
5	"We are looking at a minimum 27 10:25:14	5	Q. Well, as would okay. You won't 10:26:29
6	months from order to operation" 10:25:16	6	disagree with me at least that there are no 10:26:39
7	correct? 10:25:18	7	negotiations of these timelines with this particular 10:26:42
8	A. Correct. 10:25:19	8	supplier? 10:26:45
9	Q. So can you point me to where in 10:25:24	9	A. No. 10:26:45
10	this email chain, the supplier said this was 10:25:25	10	Q. You won't disagree with me that no 10:26:45
11	a minimum? 10:25:28	11	other suppliers were approached about potential 10:26:47
12	A. What they state is 6 to 8 months 10:25:32	12	timelines? 10:26:49
13	so if you take the shortest periods they've estate 10:25:34	13	A. I'm not sure of that. I've stated 10:26:50
14	estimated and add them together, you come to 27 10:25:39	14	that. 10:26:51
15	months. If you take the longer periods they've 10:25:42	15	Q. You don't know? 10:26:52
16	estimated, it would be 32 months. 10:25:44	16	A. I don't know. I also would ask, 10:26:53
17	Q. So you'll, I take it, not disagree 10:25:51	17	if I may, the question back: You would agree with 10:26:57
18	with me, sir, that this these timelines were not 10:25:53	18	me that we've used the minimum time offered. 10:27:00
19	negotiated with this supplier; correct? 10:25:57	19	Q. You're asking me whether I agree 10:27:03
20	A. I would suggest to you that those 10:26:00	20	with that? No, actually I think what you've used is 10:27:05
21	are the estimated timelines appropriate for early 10:26:03	21	the list price that the supplier has indicated in 10:27:10
22	stage planning of a Shiplift supply and 10:26:09	22	circumstances where that supplier has absolutely no 10:27:12
23	installation. 10:26:13	23	incentive to give you lower time periods; that's 10:27:15
24	Q. And I would suggest to you that 10:26:14	24	what I would suggest to you, sir. 10:27:18
25	these are their list timelines that they provide 10:26:16	25	PRESIDENT: Okay let's not debate it. 10:27:20
	Page 74		Page 75
1	Page 74 BY MS. SEERS: 10:27:25	1	
1 2	BY MS. SEERS: 10:27:25	1 2	Page 75 contradict Mr. Cooper's evidence; correct? 10:28:32 A. Mr. Cooper's evidence was 10:28:35
	_		contradict Mr. Cooper's evidence; correct? 10:28:32
2	BY MS. SEERS: 10:27:25 Q. Now, at paragraph 365 (2). You 10:27:28	2	contradict Mr. Cooper's evidence; correct? 10:28:32 A. Mr. Cooper's evidence was 10:28:35
2	BY MS. SEERS: 10:27:25 Q. Now, at paragraph 365 (2). You 10:27:28 say: 10:27:41	2 3	contradict Mr. Cooper's evidence; correct? 10:28:32 A. Mr. Cooper's evidence was 10:28:35 a statement by an individual. 10:28:37
2 3 4	BY MS. SEERS: 10:27:25 Q. Now, at paragraph 365 (2). You 10:27:28 say: 10:27:41 "Based on the above, URS has 10:27:42	2 3 4 5 6	contradict Mr. Cooper's evidence; correct? 10:28:32 A. Mr. Cooper's evidence was 10:28:35 a statement by an individual. 10:28:37 Q. An individual with experience with 10:28:40 these kinds of components; right? 10:28:42 A. Potentially. I don't think that 10:28:44
2 3 4 5	BY MS. SEERS: 10:27:25 Q. Now, at paragraph 365 (2). You 10:27:28 say: 10:27:41 "Based on the above, URS has 10:27:42 assumed a lead time of 21 months 10:27:42 for procurement and 10:27:42 installation of Elevator Platform. 10:27:42	2 3 4 5 6 7	contradict Mr. Cooper's evidence; correct? 10:28:32 A. Mr. Cooper's evidence was 10:28:35 a statement by an individual. 10:28:37 Q. An individual with experience with 10:28:40 these kinds of components; right? 10:28:42 A. Potentially. I don't think that 10:28:44 was the evidence even. 10:28:46
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MS. SEERS: 10:27:25 Q. Now, at paragraph 365 (2). You 10:27:28 say: 10:27:41 "Based on the above, URS has 10:27:42 assumed a lead time of 21 months 10:27:42 for procurement and 10:27:42 installation of Elevator Platform. 10:27:42 This is considered to be the 10:27:42 shortest reasonably 10:27:42 possible lead time." 10:27:42 In saying that in your report sir, you 10:27:55 will agree with me that this is the only information 10:27:56 and potentially this other conversation that you 10:27:58 don't recall; right? 10:28:01 A. That I'm not aware of, not that 10:28:02 I don't recall. 10:28:04 Q. You will recall, Mr. Cooper gave 10:28:09 evidence yesterday that based on his experience, six 10:28:11 months for the installation for an elevator of this 10:28:17 nature is "excessive and unreasonable"; do you 10:28:20 recall that? 10:28:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	contradict Mr. Cooper's evidence; correct? A. Mr. Cooper's evidence was a statement by an individual. Q. An individual with experience with 10:28:40 these kinds of components; right? A. Potentially. I don't think that 10:28:44 was the evidence even. Q. Okay. 10:28:48 A. Although I don't doubt that 10:28:48 Mr. Cooper is experienced. Q. Okay. 10:28:50 Q. Okay. Let's move on to the 10:28:51 manufacturer of the gravity-based foundations. Excuse me. 10:29:06 PRESIDENT: Just for planning 10:29:08 purposes, how long do you think you will still need? 10:29:09 MS. SEERS: Perhaps another hour. 10:29:13 PRESIDENT: Another hour. So, we 10:29:15 should try to find a convenient time to break in the 10:29:18 next five to ten minutes. 10:29:21 MS. SEERS: Certainly. We could do it 10:29:22 now. I'm about to enter into a different area so 10:29:24
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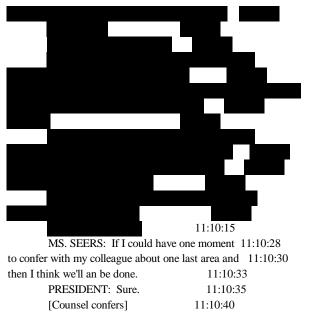
	Page 76		Page 77
1	Recess taken at 10:29 a m. 10:29:36	1	Q. So it starts in 2016 so July 2016, 10:53:35
2	Upon resuming at 10:46 a m. 10:29:42	2	so two years and six months after financial close; 10:53:39
3	BY MS. SEERS: 10:29:41	3	right? Or pardon me, not under a year, I apologize. 10:53:44
4	Q. Mr. Clarke, if we could turn now 10:52:19	4	Not under your schedule? 10:53:53
5	to the manufacture of the gravity-based foundations. 10:52:21	5	A. Under the other one. 10:53:55
6	If you pull up Windstream schedule, that is dealt 10:52:27	6	Q. Two years with one-year and six 10:53:56
7	with at line 282 or beginning at line 282, rather, 10:52:30	7	months after financial close on your schedule? 10:54:00
8	and you will see that the manufacturing of these 10:52:35	8	A. That's 10:54:03
9	foundations begins at financial close, 10:52:37	9	Q. Okay. And then it concludes about 10:54:04
10	February 2014, and then concludes roughly in 10:52:40	10	twenty and a half months later, on in April 2018 10:54:07
11	April 2015; do you see that? 10:52:45	11	under your schedule; right? 10:54:14
12	A. Yes. 10:52:54	12	A. That's correct. 10:54:15
13	Q. So that's about unless my math 10:52:55	13	Q. So, fourteen and a half months for 10:54:16
14	is wrong, 14.3 months, 14 and a half months? 10:52:56	14	Windstream, 20 and a half months for URS, it is 10:54:19
15	A. 14 and a half months, something, 10:53:01	15	a six-month discrepancy? 10:54:22
16	yes. 10:53:02	16	A. Discrepancy. 10:54:25
17	Q. And then in the URS schedule 10:53:03	17	Q. And I won't take you through 10:54:26
18	you've got you've got this at line 22; right? 10:53:05	18	Mr. Cooper's evidence in detail from yesterday, but 10:54:27
19	A. Yes. 10:53:15	19	you were here and you heard it. His evidence is 10:54:29
20	Q. And you've got, and, of course, 10:53:15	20	that the as you'll recall, that the that the 10:54:32
21	that starts much later because of this whole 10:53:28	21	URS understanding at appendix 6 of the manufacturing 10:54:36
22	elevator issues we were talking about; right? 10:53:30	22	facility is inaccurate and actually does not 10:54:40
23	A. That's one of the issues. 10:53:33	23	accurately reflect the way the system is designed to 10:54:44
24	Q. One of the reasons? 10:53:34	24	handle bottlenecks; do you recall that evidence? 10:54:47
25	A. Yes. 10:53:35	25	A. I recall that evidence, yes. 10:54:50
	Page 78		Page 79
1	Q. And I take it that you don't have 10:54:51	1	Q. And that's strictly as 10:56:04
2	· · · · · · · · · · · · · · · · · · ·	1	Q. 7 md that's strictly as 10.50.04
2	any information to contradict Mr. Cooper's evidence 10:54:53	2	Lunderstand it, a supplier lead time, so how long 10:56:05
3	any information to contradict Mr. Cooper's evidence 10:54:53 on this point? 10:54:55	2 3	I understand it, a supplier lead time, so how long 10:56:05 it will take Siemens to deliver the first turbine 10:56:08
	on this point? 10:54:55	1	it will take Siemens to deliver the first turbine 10:56:08
3	on this point? 10:54:55 A. I don't have any information to 10:54:56	3	**
3 4	on this point? 10:54:55 A. I don't have any information to 10:54:56 contradict it. I would don't fully understand 10:54:57	3 4	it will take Siemens to deliver the first turbine 10:56:08 from the time the order is placed with them; 10:56:11 correct? 10:56:14
3 4 5	on this point? 10:54:55 A. I don't have any information to 10:54:56 contradict it. I would don't fully understand 10:54:57 how the process eliminates bottlenecks. I will 10:55:06	3 4 5	it will take Siemens to deliver the first turbine 10:56:08 from the time the order is placed with them; 10:56:11
3 4 5 6	on this point? A. I don't have any information to 10:54:56 contradict it. I would don't fully understand 10:54:57 how the process eliminates bottlenecks. I will 10:55:06 state that. 10:55:11	3 4 5 6	it will take Siemens to deliver the first turbine 10:56:08 from the time the order is placed with them; 10:56:11 correct? 10:56:14 A. The basis of our two-year period 10:56:14
3 4 5 6 7	on this point? A. I don't have any information to 10:54:56 contradict it. I would don't fully understand 10:54:57 how the process eliminates bottlenecks. I will 10:55:06 state that. 10:55:11 Q. Let's move on then to the time for 10:55:13	3 4 5 6 7	it will take Siemens to deliver the first turbine 10:56:08 from the time the order is placed with them; 10:56:11 correct? 10:56:14 A. The basis of our two-year period 10:56:14 is the statement in the TSA. 10:56:16
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3 4 5 6 7 8	on this point? A. I don't have any information to 10:54:56 contradict it. I would don't fully understand 10:54:57 how the process eliminates bottlenecks. I will 10:55:06 state that. 10:55:11 Q. Let's move on then to the time for 10:55:13 delivery and installation of the first turbine. 10:55:15 A. Yes. 10:55:20	3 4 5 6 7 8	it will take Siemens to deliver the first turbine 10:56:08 from the time the order is placed with them; 10:56:11 correct? 10:56:14 A. The basis of our two-year period 10:56:14 is the statement in the TSA. 10:56:16 Q. I understand that. 10:56:18 A. But first delivery will be 24 10:56:19 months after notice to proceed. 10:56:21 Q. I understand that, so, I just 10:56:22
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	P 00		D 01
	Page 80		Page 81
1	American supply chain; correct? 10:56:57	1	A. It is just giving background or 10:58:22
2	A. I heard his evidence on that. 10:57:01	2	some experience derived that we found 10:58:25
3	Q. And you heard that he gave two 10:57:02	3	internationally. 10:58:29
4	examples, in fact, of a Siemens 2.3 megawatt turbine 10:57:05	4	Q. Is it intended to corroborate the 10:58:30
5	being delivered on those timeframes in North 10:57:08	5	statement that 24 months is an appropriate lead time 10:58:31
6	America; correct? 10:57:12	6	to deliver the 24-megawatt Siemens turbine in North 10:58:34
7	A. I heard that evidence as well. 10:57:13	7	America? 10:58:40
8	Q. And you don't have any experience 10:57:14	8	A. It was intended to corroborate 10:58:41
9	to contradict Mr. Irvine's evidence in terms of how 10:57:15	9	that in setting a delivery time of 24 months in 10:58:43
10	long this Siemens has taken to deliver the 10:57:19	10	the TSA,that that was not an unexpected time. 10:58:47
11 12	2.3 megawatt turbine in North America; right? 10:57:22	11	Q. Okay. So let's go to that 10:58:50
	A. I don't have any evidence of that. 10:57:31	12	appendix so it's appendix I apologize, 10:58:52
13 14	I do have direct experience of negotiating contracts 10:57:32	13 14	appendix 2. It starts on page 112, and here's 10:58:59
15	with Siemens, and not for offshore not for 10:57:35	15	another example of 4C offshore data being used and 10:59:14
16	wind turbines, but I think it's and Mr. Guillet 10:57:37	16	I just want to be very specific about what this data 10:59:19
17	referred to it, as well. Siemens are renowned in 10:57:44	17	is and isn't, okay? 10:59:22 And of course if there's specific 10:59:25
18	the industry for being difficult to negotiate with. 10:57:47	18	questions about what the underlying data is, 10:59:27
19	Q. I'm asking you were you have any 10:57:50 experience, and think you said you don't, with their 10:57:52	19	Mr. Aukland will be here to answer those questions, 10:59:28
20	lead times for this turbine model in North America, 10:57:53	20	if necessary. 10:59:31
21	and you said you don't; right? 10:57:58	21	So I take it that you have taken, if 10:59:39
22	A. No. 10:58:00	22	I look at paragraph 557 of your report, you have 10:59:41
23	Q. At Appendix 2 of your report, you 10:58:14	23	assumed something you have a concept called 10:59:46
24	set out what you, I guess, what you intend to be 10:58:17	24	"Supply contract effectiveness" so do I understand 10:59:49
25	corroboration for the 24-month time period; correct? 10:58:18	25	that to mean the date on which the relevant Turbine 10:59:54
	F,		
	Page 82		Page 83
1	Supply Agreement becomes effective; is that what you 10:59:58	1	assume, sir, that the financial close date is the 11:01:09
2	mean by that statement? 11:00:02	2	date that the that the developer 11:01:12
3	A. That's effectively that's 11:00:03	3	ordered the turbine? 11:01:17
4	effectively it because either it will become 11:00:04	4	A. Because normally, as was the case 11:01:20
5	effective on the date of financial close 11:00:07	5	with this TSA, a down payment is required, an 11:01:24
6	Q. Right. 11:00:11	6	advance payment to make the order effective, and 11:01:30
7	A. Or when that TSA is signed. 11:00:12	7	normally you would not supply, provide that advance 11:01:33
8	Q. Okay. So you have I'm trying 11:00:14	8	payment, ahead of financial close. 11:01:37
9	to understand. I think what you're trying to show 11:00:21	9	Q. I understand you wouldn't provide 11:01:40
10	is the lead time. So as I understand the lead time, 11:00:23	10	it ahead of financial close, but isn't it possible 11:01:42
11	what that means is the time period between when you 11:00:27	11	sir, that financial close occurs before the turbines 11:01:44
12	tell a supplier "Go, start producing the turbines" 11:00:31	12	are ordered in certain cases? 11:01:47
13	that will be the start period of the lead time, and 11:00:36	13	A. Yes, that's why it says "Or the 11:01:48
14	the end period of the lead time for the first 11:00:38	14	latter of contract signature." 11:01:51
15	turbine, anyway, would be the date that that turbine 11:00:41	15	Q. What's "Contract signature"? 11:01:52
16	is delivered at the site; is that right? 11:00:43	16	A. The TSA's signature. 11:01:54
17	A. That's correct, yeah. 11:00:45	17	Q. Okay, but in cases where you 11:01:55
18	Q. So that's the time period we're 11:00:46	18	didn't have both of those pieces of data, did you 11:01:59
19	talking about that you're trying to depict in this 11:00:48	19	use financial close? 11:02:02
20	chart; correct? 11:00:50	20	A. Umm 11:02:07
21 22	A. That's correct. 11:00:51	21 22	Q. I take it, sir, that we 11:02:07
23	Q. But here, the supply contract 11:00:51	23	A. You will notice that this is 11:02:09
24	effectiveness date that you've assumed, you're 11:00:56 assuming it to take place the later of financial 11:01:02	24	a smaller sample so that the evidence was not always 11:02:10 there to draw it up, so we had to use those where 11:02:13
25	close or contract signature. So why would you 11:01:05	25	there was sufficient information available. 11:02:17
23	crose of contract signature. So willy would you 11.01.03	-	there was sufficient information available. 11.02.17

		1	
	Page 84		Page 85
1	Q. So, for all of these contracts you 11:02:20	1	A. It's possible. 11:03:20
2	had both pardon me, for all of these projects you 11:02:22	2	Q. Isn't it possible that they were 11:03:20
3	had information about both financial close and the 11:02:26	3	facing, I don't know, grid connection issues in 11:03:21
4	date that turbine agreement was signed? 11:02:29	4	Germany such that they wouldn't have had any reason 11:03:25
5	A. I think it says that where no 11:02:31	5	to order turbines until much later on in the 11:03:27
6	financial close data is available, contract 11:02:33	6	process? 11:03:30
7	effectiveness date is taken as the contract 11:02:37	7	A. That's possible. 11:03:31
8	signature date. 11:02:40	8	Q. Isn't it possible that they were 11:03:31
9	Q. I understand that. I'm asking you 11:02:40	9	facing vessel availability issues, such that they 11:03:32
10	about questions I'm asking you about cases where 11:02:41	10	wouldn't have any reason to order the turbines? 11:03:35
11	no contract signature date was available? 11:02:44	11	A. That's possible. 11:03:37
12	A. Then we would have assumed 11:02:45	12	Q. You have to pay a substantial 11:03:38
13	financial close. 11:02:47	13	deposit, right, when you order turbines? 11:03:40
14	Q. Right. So you would have assumed 11:02:48	14	A. Correct. 11:03:42
15	financial I'm just trying to understand this data 11:02:50	15	Q. So you wouldn't order them earlier 11:03:42
16	because data is tricky, right? I'm trying to 11:02:54	16	than you have to; right? 11:03:45
17	understand it. You would have assumed financial 11:02:56	17	A. Possibly. 11:03:46
18	close is the date on which the supply pardon me, 11:02:58	18	Q. So if you know that you're facing 11:03:47
19	the developer picks up the phone to Siemens or 11:03:03	19	delays for other reasons, you wouldn't order that 11:03:48
20	Vestas or whoever, and says "Start producing my 11:03:06	20	turbine before you needed it; right? 11:03:51
21	turbines"? 11:03:11	21	A. That's correct. 11:03:54
22	A. Effectively, yes. 11:03:12	22	Q. Okay. And all of those projects 11:03:54
23	Q. But isn't it possible, sir, that 11:03:13	23	are European projects, so they are offshore wind 11:04:13
24	that's actually not at all the date that they 11:03:15	24	projects and they're all 11:04:16
25	ordered the turbines? 11:03:18	25	A. They are all European offshore 11:04:18
	Paga 86		Paga 87
1	Page 86	1	Page 87
1	wind. 11:04:19	1	sir, I'm asking you about the data. 11:05:13
2	wind. 11:04:19 Q. And they're not all projects for 11:04:19	2	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16
2	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22	2	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17
2 3 4	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25	2 3 4	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21
2 3 4 5	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25	2 3 4 5	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25
2 3 4 5	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27	2 3 4	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27
2 3 4 5 6 7	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30	2 3 4 5 6	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28
2 3 4 5	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30	2 3 4 5 6 7	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30
2 3 4 5 6 7 8	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30	2 3 4 5 6 7 8	sir, I'm asking you about the data. 11:05:13 MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28
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2 3 4 5 6 7 8 9	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34	2 3 4 5 6 7 8 9	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:30 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56
2 3 4 5 6 7 8 9 10	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38	2 3 4 5 6 7 8 9 10	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:30 report. Excuse me. This is a discussion of the 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59
2 3 4 5 6 7 8 9 10 11	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38 Q. Correct? And so, sir, I was 11:04:38	2 3 4 5 6 7 8 9 10 11	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59 Pigeon Island; is that correct? 11:06:02 A. That's correct. 11:06:04 Q. And then there is a discussion 11:06:05
2 3 4 5 6 7 8 9 10 11 12	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38 Q. Correct? And so, sir, I was 11:04:38 just and I'm sure you'll disagree with me but I'm 11:04:43	2 3 4 5 6 7 8 9 10 11 12 13	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59 Pigeon Island; is that correct? 11:06:02 A. That's correct. 11:05:13
2 3 4 5 6 7 8 9 10 11 12 13 14	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38 Q. Correct? And so, sir, I was 11:04:38 just and I'm sure you'll disagree with me but I'm 11:04:43 going to submit to you that this data tells you 11:04:46	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59 Pigeon Island; is that correct? 11:06:02 A. That's correct. 11:06:05 about the possibility if that were not permitted to 11:06:06 actually site that — the substation offshore 11:06:09
2 3 4 5 6 7 8 9 10 11 12 13 14	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38 Q. Correct? And so, sir, I was 11:04:38 just and I'm sure you'll disagree with me but I'm 11:04:43 going to submit to you that this data tells you 11:04:46 absolutely nothing about how long Siemens takes to 11:04:48	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59 Pigeon Island; is that correct? 11:06:02 A. That's correct. 11:06:04 Q. And then there is a discussion 11:06:05 about the possibility if that were not permitted to 11:06:06 actually site that — the substation offshore 11:06:09 instead of on the island.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38 Q. Correct? And so, sir, I was 11:04:38 just and I'm sure you'll disagree with me but I'm 11:04:43 going to submit to you that this data tells you 11:04:46 absolutely nothing about how long Siemens takes to 11:04:52 which the developer picks up the phone and asks them 11:04:54	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59 Pigeon Island; is that correct? 11:06:02 A. That's correct. 11:06:04 Q. And then there is a discussion 11:06:05 about the possibility if that were not permitted to 11:06:06 actually site that — the substation offshore 11:06:09 instead of on the island. 11:06:14 Q. And you say at paragraph 344: 11:06:15
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	wind. 11:04:19 Q. And they're not all projects for 11:04:19 which Siemens was the supplier? 11:04:22 A. No. 11:04:25 Q. They're not all projects for which 11:04:25 the turbine in question was the 2.3-megawatt 11:04:27 turbine? 11:04:30 A. No. 11:04:30 Q. And they're certainly not projects 11:04:30 for which the turbine in question was the 11:04:32 2.3-megawatt turbine produced in North America. 11:04:34 A. No. 11:04:38 Q. Correct? And so, sir, I was 11:04:38 just and I'm sure you'll disagree with me but I'm 11:04:43 going to submit to you that this data tells you 11:04:46 absolutely nothing about how long Siemens takes to 11:04:52 which the developer picks up the phone and asks them 11:04:54 to produce those turbines. 11:04:56	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	sir, I'm asking you about the data. MR. NEUFELD: Maybe you can let him 11:05:16 respond and then you'll be able to develop the 11:05:17 further question. 11:05:21 THE WITNESS: Sorry, I'm complete. 11:05:25 BY MS. SEERS: 11:05:27 Q. Let's go to paragraph 344 of your 11:05:28 report. Excuse me. This is a discussion of the 11:05:30 substation for the project which is to the located, 11:05:51 was you'll see as you've shown from the diagram, 11:05:56 proposed to be located on a small island called 11:05:59 Pigeon Island; is that correct? 11:06:02 A. That's correct. 11:06:04 Q. And then there is a discussion 11:06:05 about the possibility if that were not permitted to 11:06:06 actually site that — the substation offshore 11:06:09 instead of on the island. 11:05:14 Q. And you say at paragraph 344: 11:06:15 "The original Windstream plan was 11:06:17
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	Page 88		Page 89
1	of the wind measuring mast on the 11:06:17	1	project, Trillium, for use of the land. 11:07:43
2	island casts serious doubts on 11:06:17	2	And perhaps we could cut the feed 11:07:46
3	Windstream's obtaining permission 11:06:17	3	because we are getting to a confidential exhibit, 11:07:48
4	to locate the Offshore Electrical 11:06:34	4	which is at Tab 10. 11:07:50
5	Substation on the island; 11:06:34	5	Confidential transcript begins 11:07:51
6	Windstream now states it is open 11:06:34	6	MS. SEERS: I understand there are no 11:08:09
7	to alternative solutions, such as 11:06:34	7	members of the public in the room, but just as 11:08:10
8	an offshore platform." 11:06:34	8	a precaution. 11:08:11
9	All right, in making the statement, 11:06:46	9	BY MS. SEERS 11:08:12
10	sir, did you ascertain why it is that the Canadian 11:06:48	10	Q. And so you note in your report: 11:08:12
11	Coastguard refused that permit for the 11:06:51	11	"This could have precluded 11:08:14
12	meteorological mast? 11:06:54	12	Windstream from utilizing the 11:08:16
13	A. I'm personally not aware of the 11:06:55	13	site"; right? 11:08:18
14	reason behind that, no. 11:06:57	14	[As read] 11:08:19
15	Q. So you are not aware I'll tell 11:06:59	15	A. Correct. 11:08:19
16	you what I understand the reason to be. And I guess 11:07:01	16	Q. Now if you pull up the document 11:08:20
17	it maybe I won't because you're not aware 11:07:05	17	that you reference is R-0563 which is at tab 10. 11:08:21
18	PRESIDENT: Questions and answers, 11:07:08	18	And this appears to be a meeting that 11:08:29
19	please. 11:07:09	19	the Ministry of Energy had in March 2011 with 11:08:31
20	MS. SEERS: Yes, thank you. 11:07:10	20	various parties including St. Mary's Cement; right? 11:08:37
21	Let's move on, then, to paragraph 374. 11:07:13	21	A. Yes. 11:08:40
22	At paragraph 374 of your report, you note that the 11:07:33	22	Q. And under St. Mary's Cement, the 11:08:43
23	St. Mary's Cement facility proposed for the 11:07:35	23	meeting minutes, I suppose, say: 11:08:48
24	manufacture of the gravity-based foundations was 11:07:39	24	
25	already in discussion with another offshore wind 11:07:42		
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	Page 92		Page 93
1	Barillaro, let us know and we'll ask him tomorrow. 11:12:32	1	have been fully utilised allowing 11:13:29
2	But you are discussing so far we've 11:12:37	2	for no further relief during the 11:13:29
3	been discussing the schedule that starts on 11:12:40	3	subsequent development and 11:13:29
4	February 11, 2011. Here you're discussing 11:12:42	4	construction of the Project." 11:13:29
5	an alternate schedule that starts on May 22nd, 2012; 11:12:45	5	Right? 11:13:30
6	correct? 11:12:50	6	A. Yes. 11:13:31
7	A. Yes. 11:12:51	7	Q. And: 11:13:31
8	Q. And you say, starting at 11:12:52	8	"c) No investor would be willing 11:13:33
9	paragraph 479: 11:12:53	9	to partake in a project where no 11:13:33
10	"URS considers this schedule to be 11:12:55	10	further extensions to the MCOD 11:13:33
11	unrealistic since both investors 11:12:55	11	were allowed because of Force 11:13:33
12	and lenders would not be 11:12:55	12	Majeure. Green Giraffe confirms 11:13:33
13	willing to accept the proposed 11:12:55	13	this view." 11:13:33
14	timeline: 11:12:55	14	Right? 11:13:47
15	a) In accordance with the FIT 11:12:55	15	A. Yes. 11:13:48
16	contract, in the event of Force 11:12:55	16	Q. So it's your evidence that under 11:13:48
17	Majeure events persisting in 11:12:55	17	this proposed schedule, the one that starts on 11:13:49
18	aggregate for more than 24 months 11:12:55	18	May 22nd, that that proposed schedule would lead to 11:13:52
19	prior to MCOD, OPA would be 11:12:55	19	certain project failure; correct? 11:13:56
20	entitled to terminate the 11:12:55	20	A. Mr. Barillaro is certainly better 11:13:57
21	contract," 11:12:55	21	placed to deal with this, than I am. 11:13:59
22	And: 11:13:15	22	Q. Okay, we'll ask him. 11:14:01
23	"b) By restarting the Project on 11:13:29	23	So, I think that wraps it up. I'm 11:14:12
24	May 22, 2012, the 24 months relief 11:13:29	24	just I'd just like to run through, just very 11:14:15
25	allowed for Force Majeure would 11:13:29	25	quickly, the various areas that we have explored to 11:14:17
	Paga 04		Daga 05
1	Page 94 make sure that the ones that we haven't yet explored 11:14:19	1	Page 95 Q. Project costs, section 6 of the 11:16:00
2	make sure that the ones that we haven't yet explored 11:14:19 are for Mr. Barillaro, and if they're for you, we'll 11:14:22	2	Q. Project costs, section 6 of the 11:16:00 report? 11:16:03
2	make sure that the ones that we haven't yet explored 11:14:19 are for Mr. Barillaro, and if they're for you, we'll 11:14:22 go through them, okay? 11:14:25	2 3	Q. Project costs, section 6 of the 11:16:00 report? 11:16:03 A. Mr. Barillaro. 11:16:03
2 3 4	make sure that the ones that we haven't yet explored 11:14:19 are for Mr. Barillaro, and if they're for you, we'll 11:14:22 go through them, okay? 11:14:25 So, just bear with me. So, we have 11:14:28	2 3 4	Q. Project costs, section 6 of the 11:16:00 report? 11:16:03 A. Mr. Barillaro. 11:16:03 Q. Thank you. That covers it. 11:16:04
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	Page 96		Page 97
1	PRESIDENT: Good morning, Mr. BUCCI. 11:24:52	1	professional engineer in Ontario. I'm part of the 11:25:44
2	The usual procedure, can you please state your name 11:24:52	2	Deloitte infrastructure and project finance team and 11:25:46
3	for the record and then read the declaration of 11:24:56	3	I've been part of that team since 2000. 11:25:49
4	expert witness. 11:24:57	4	Prior to 2000 I spent about seven 11:25:52
5	THE WITNESS: I am Remo Bucci from 11:24:57	5	years in the public sector at the Province of 11:25:53
6	Deloitte. 11:25:01	6	Ontario where I was a practicing engineer there, and 11:25:58
7	And I will read the declaration now. 11:25:01	7	prior to that time I was in industry. 11:26:00
8	I solemnly declare upon my honour and conscience 11:25:03	8	With respect to today's presentation 11:26:02
9	that my evidence and opinions will be in accordance 11:25:08	9	and my reports, in terms of my credentials that are 11:26:05
10	with my sincere belief. 11:25:10	10	most relevant and I'll just go through right now 11:26:09
11	AFFIRMED: REMO BUCCI 11:25:11	11	what I believe they are. 11:26:11
12	PRESIDENT: Thank you very much. 11:25:12	12	So it's a detailed understanding of 11:26:12
13	You have prepared a presentation which 11:25:13	13	deal structures that allocate risk between public 11:26:15
14	we look forward to hearing, but before you start, 11:25:15	14	and private participants to enable projects to be 11:26:18
15	does the Claimant have any questions additional 11:25:18	15	financed in capital markets. 11:26:20
16	questions beyond the presentation? 11:25:21	16	I also have a detailed understanding 11:26:22
17	MR. TERRY: I don't believe we will. 11:25:28	17	of conditions precedent for debt and equity 11:26:24
18	PRESIDENT: So Mr. Bucci, please go 11:25:29	18	financing and related requirements for large-scale 11:26:26
19	ahead. 11:25:30	19	projects in the Canadian capital markets, and 11:26:28
20	THE WITNESS: Thank you. So just to 11:25:32	20	lastly, I have a detailed understanding of 11:26:32
21	start with a summary of my credentials 11:25:32	21	contractual and project agreement structures that 11:26:34
22	Sorry, it's a bit loud. 11:25:35	22	enable multiple contractual counterparties to form 11:26:37
23	I'm a civil engineer with over 11:25:36	23	and make fixed price commitments. And lastly, 11:26:40
24	25 years of experience in the public and private 11:25:38	24	I have experience with large scale multi-billion 11:26:44
25	sectors. I'm licensed I'm a licensed 11:25:40	25	dollar infrastructure projects. 11:26:49
	Page 98		Page 99
1	•	1	_
2	In terms of my scope I have a very 11:26:50	1 2	investment in Ontario. It created pricing and 11:27:57
3	very focused scope of work, actually. 11:26:54	3	timing certainty for investors and it stated 11:28:00
4	I was retained by Torys to provide 11:26:56	4	commitments to streamlining regulatory approvals 11:28:04 that provided time certainty company. 11:28:07
5	opinion on whether the project was likely to obtain 11:27:00	4	
6		5	
	the necessary financing to reach financial close 11:27:03	5	In addition, the equity providers for 11:28:09
	within the timelines of the FIT contract, whether 11:27:07	6	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11
7	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10	6 7	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14
7 8	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13	6 7 8	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16
7 8 9	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15	6 7 8 9	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18
7 8 9 10	within the timelines of the FTT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18	6 7 8 9 10	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22
7 8 9 10 11	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20	6 7 8 9 10 11	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25
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7 8 9 10 11	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25	6 7 8 9 10 11	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28
7 8 9 10 11 12	within the timelines of the FTT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FTT contract. 11:27:25 As a result of the February 11, 2011 11:27:27	6 7 8 9 10 11 12 13	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible — it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30
7 8 9 10 11 12 13	within the timelines of the FTT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30	6 7 8 9 10 11 12 13	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35
7 8 9 10 11 12 13 14	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33	6 7 8 9 10 11 12 13 14 15	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible — it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36
7 8 9 10 11 12 13 14 15	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33 finance-able. 11:27:36	6 7 8 9 10 11 12 13 14 15	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36 financial close, the investment community in Ontario 11:28:38
7 8 9 10 11 12 13 14 15 16	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33 finance-able. 11:27:36 So the project was likely to reach 11:27:41	6 7 8 9 10 11 12 13 14 15 16	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:38 viewed FIT contracts extremely favourably because 11:28:41
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7 8 9 10 11 12 13 14 15 16 17 18	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33 finance-able. 11:27:36 So the project was likely to reach 11:27:41	6 7 8 9 10 11 12 13 14 15 16 17 18	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36 financial close, the investment community in Ontario 11:28:38 viewed FIT contracts extremely favourably because 11:28:41 they simplified the development process by putting 11:28:44
7 8 9 10 11 12 13 14 15 16 17 18 19	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:36 So the project was likely to reach 11:27:41 financial close if not for the moratorium, and 11:27:42 I reached this conclusion for the following reasons: 11:27:44	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36 financial close, the investment community in Ontario 11:28:38 viewed FIT contracts extremely favourably because 11:28:41 they simplified the development process by putting 11:28:44 the contract first. 11:28:47
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33 finance-able. 11:27:36 So the project was likely to reach 11:27:41 financial close if not for the moratorium, and 11:27:42 I reached this conclusion for the following reasons: 11:27:44 Firstly, the Green Energy and Economy Act, as it was 11:27:46	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36 financial close, the investment community in Ontario 11:28:38 viewed FIT contracts extremely favourably because 11:28:41 they simplified the development process by putting 11:28:44 the contract first. 11:28:47 It wasn't a call for power, didn't 11:28:48
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33 finance-able. 11:27:36 So the project was likely to reach 11:27:41 financial close if not for the moratorium, and 11:27:42 I reached this conclusion for the following reasons: 11:27:44 Firstly, the Green Energy and Economy Act, as it was 11:27:46 called at the at the time, created government 11:27:50	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36 financial close, the investment community in Ontario 11:28:38 viewed FIT contracts extremely favourably because 11:28:41 they simplified the development process by putting 11:28:44 the contract first. 11:28:47 It wasn't a call for power, didn't 11:28:48 require developers to bid into a price or a market, 11:28:52
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	within the timelines of the FIT contract, whether 11:27:07 the February 11, 2011 moratorium on offshore wind 11:27:10 development impacted the project's ability to reach 11:27:13 financial close. 11:27:15 In my reports I concluded it was 11:27:18 reasonable to conclude that the project would have 11:27:20 been able to reach financial close within the 11:27:23 timelines of the FIT contract. 11:27:25 As a result of the February 11, 2011 11:27:27 moratorium on offshore wind development, the project 11:27:30 can no longer reach financial close. It is not 11:27:33 finance-able. 11:27:36 So the project was likely to reach 11:27:41 financial close if not for the moratorium, and 11:27:42 I reached this conclusion for the following reasons: 11:27:44 Firstly, the Green Energy and Economy Act, as it was 11:27:46 called at the at the time, created government 11:27:50 support conditions for the project to reach 11:27:53	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	In addition, the equity providers for 11:28:09 the project have committed equity and have a proven 11:28:11 track record of raising debt and equity. 11:28:14 The FIT contract itself provides 11:28:16 a guaranteed revenue stream once the project reaches 11:28:18 commercial operations, a very generous revenue 11:28:22 stream. 11:28:25 It was responsible — it was also 11:28:25 possible to assess economic feasibility of the 11:28:28 project using a financial model. 11:28:30 With respect to the contribution of 11:28:35 the FIT contract in bringing the project to 11:28:36 financial close, the investment community in Ontario 11:28:38 viewed FIT contracts extremely favourably because 11:28:41 they simplified the development process by putting 11:28:44 the contract first. 11:28:48 require developers to bid into a price or a market, 11:28:52 they got a FIT contract and the contract provide the 11:28:55

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	Page 100		Page 101
1	protection up to operations, in effect at 100 11:29:04	1	precedent is the dismissal of the renewable energy 11:30:04
2	percent and then and 20 percent thereafter. 11:29:06	2	approval, the RPA, and the financial appeal before 11:30:12
3	When I mentioned earlier the 11:29:12	3	the Environmental Review Tribunal, the ERT. 11:30:14
4	generousness of the contract, this is one of the 11:29:13	4	Financial negotiations and discussions 11:30:16
5	components. 11:29:14	5	would take place in tandem with permitting and 11:30:17
6	It created volume certainty and 11:29:15	6	project development work and during the REA appeal 11:30:20
7	off-take certainty with the grid access. 11:29:17	7	period. 11:30:23
8	These two points go hand in hand and 11:29:19	8	And the date certain nature of the 11:30:23
9	they're extremely critical because, effectively, 11:29:21	9	REA/ERT enables lenders to be ready to sign on the 11:30:26
10	what they mean is that every kilowatt hour that's 11:29:24	10	day that the REA appeal is dismissed, and signing 11:30:30
11	produced will be purchased and will make its way 11:29:27	11	effectively enabled the funds to flow. 11:30:35
12	into the grid, so extremely important from 11:29:29	12	So if you look through the timelines, 11:30:39
13	a finance-ability perspective. 11:29:32	13	working from left to right, you'll see that 11:30:41
14	And Ontario is being seen as the 11:29:34	14	development of the financing plan begins about 11:30:44
15	ultimate off-taker and that enabled developers to 11:29:35	15	a year in advance of when the REA permit is expected 11:30:46
16	rely on Ontario's stable high quality credit rating. 11:29:39	16	to be received, so August 2012 to about July 2013, 11:30:49
17	Again very important for financing projects. 11:29:44	17	11 months. 11:30:53
18	In terms of the timing and the 11:29:46	18	And this is a financing plan as 11:30:55
19	mechanics of financing, reaching financial close, 11:29:47	19	a precondition to as a condition of notice to 11:30:56
20	and I've got a little snippet later on that I'll get 11:29:54	20	proceed, and it requires that the proponents 11:30:58
21	into at the bottom of this slide in terms of how it 11:29:57	21	demonstrate they have 50 percent commitments of the 11:31:00
22	was dealt with in the project schedule. 11:29:57	22	development cost. 11:31:03
23	Typically lenders and project 11:29:58	23	Of the commitments that we would 11:31:04
24	developers work backwards from key condition 11:29:59	24	expect to see in this financing plan would be or 11:31:05
25	precedent. In this case, the key condition 11:30:02	25	what we'd expect to see in the financing plan is 11:31:08
	Page 102		Page 103
1	an overview of the financing structure for the 11:31:11	1	What we would then expect is that the 11:32:26
2	project, the types of due diligence requirements 11:31:12	2	lenders would stay highly motivated and they would 11:32:28
3	that need to be met, technical financial that would 11:31:16	3	still continue to be highly supportive of the 11:32:30
4	technically that would be leading to conditions 11:31:20	4	project. Their interests are aligned with the 11:32:33
5	precedent, market conditions and timing and the work 11:31:23	5	interest of the sponsors. They want the project to 11:32:37
6	plan to get to financial close. 11:31:26	6	get to financial close. At financial close they are 11:32:39
7	The commitments that we would expect 11:31:28	7	going to make a significant that's where their 11:32:42
8	would be typical commitments that would probably be 11:31:29	8	significant return is going to be for their 11:32:46
9	encompassed in a term sheet. The term sheet would 11:31:33	9	investment. Likely, 60 to 90 days prior to the 11:32:48
10	identify conditions precedent, and we would expect, 11:31:36	10	timed completion of the six-month ERT period or what 11:32:52
		1	

11 in this instance the key condition precedent would 11:31:38 12 be the completion of the Tribunal appeal period, the 11:31:41 13 ERT period, recognizing that when you get to 11:31:50 14 July 2013, likely all the technical due diligence is 11:31:52 15 done, all the legal due diligence is done. 11:31:55 16 The term sheets would likely be 17 completed, as I said, so you've got your financing 11:31:59 18 plan in place and it's for the 50 percent. So it is 11:32:02 19 committed, likely committed, let's say subject to 11:32:05 20 credit committee approval, depending on the release 11:32:09 21 of the final condition precedent so. 11:32:12 22 You get your NTP. The schedule 11:32:15 23 assumes that during the ten day appeal period that 11:32:17 24

the six month ERT period will be invoked. It takes 11:32:20

11:32:24

we would consider to be financial close, they would 11:32:56 begin preparations for the actual placement of the 11:32:59 debt, likely start detailed market soundings, 11:33:02 consult with the market, obviously it's in their interest to try and pre-sale as much of the debt as 11:33:09 possible, so that when the date certain time of the 11:33:12 six-month ERT comes due, they will be ready to move 11:33:16 ahead with the final step of financial close. And 11:33:20 we're distinguishing financial close and commitment, 11:33:23 but financial close being when the funds flow as 11:33:26 compared to commitments. When the commitment is 11:33:29 made to financing subject to conditions. 11:33:33 So just to cover a point today on the 11:33:39 ability of the project to manage delays which was 11:33:41 a key success factor to raise in financing, so,

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that into account.

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	Page 104		Page 105
1	as Green Giraffe has noted that the lenders were 11:33:46	1	time in which that was. So the moratorium caused 11:35:02
2	extremely wary of delays that could have impacted 11:33:49	2	the project to become un-financeable as of May 22, 11:35:04
3	Windstream's ability to raise financing. 11:33:53	3	2012. And this was because by May 22nd, 2012, the 11:35:08
4	We know that it's typical for 11:33:55	4	FIT contract had been under force majeure for 18 11:35:14
5	projects, through contingency measures or contract 11:33:56	5	months. The project schedule contemplates a further 11:35:16
6	relief, to be required to be able to mitigate up to 11:34:00	6	six months of force majeure and this is to deal with 11:35:21
7	one-year of delay. That's something that's not 11:34:03	7	the REA, the environmental review Tribunal that 11:35:23
8	unusual and fairly standard in the Canadian markets. 11:34:05	8	I talked about earlier, the fact that the schedule 11:35:28
9	We know that Windstream had included schedule 11:34:08	9	had built in that review period. 11:35:30
10	contingency and relief that gave it up to 14 months 11:34:12	10	Based on the project schedule which is 11:35:33
11	of contingency to provide a buffer to mitigating 11:34:14	11	63 months, the project would have had to would 11:35:35
12	delays. 11:34:17	12	have been required to resume development by 11:35:38
13	On top of that, the force majeure 11:34:19	13	February 2012 to achieve commercial operation by 11:35:41
14	provisions of the FIT contract also allowed 16 11:34:20	14	May 2014, May 4, 2017 sorry, May 4, 2017 which is 11:35:44
15	months of additional relief, if they qualified for 11:34:23	15	a 16-month period. Therefore, as of May 22, 2012, 11:35:53
16	that additional force majeure. So we believe 11:34:26	16	the project could no longer achieve commercial 11:35:58
17	between those two conditions that there was plenty 11:34:33	17	operation for triggering the OPA's force majeure 11:36:00
18	of contingency in the schedule or, you know, to 11:34:36	18	termination right. 11:36:04
19	allow for any delays. 11:34:39	19	So, therefore, we determined that 11:36:05
20	So Windstream had the appropriate 11:34:40	20	May 22nd was the day upon which the project became 11:36:08
21	schedule contingency and FIT contract relief to meet 11:34:41	21	un-financeable as a result of the moratorium. 11:36:13
22	condition typical condition precedents to begin 11:34:46	22	That's it for my presentation. 11:36:15
23	to mitigate schedule delays. 11:34:48	23	PRESIDENT: Thank you, Mr. Bucci. 11:36:21
24	And the last slide is to look at when 11:34:52	24	Cross-examination there was no 11:36:24
25	we believe the project became un-financeable and the 11:34:58	25	questions I understand from the Claimant. 11:36:26
	Раде 106		Page 107
	Page 106		Page 107
1	MR. TERRY: Yes, no questions. Thank 11:36:27	1	most of my time talking about the content of your 11:38:02
2	MR. TERRY: Yes, no questions. Thank 11:36:27 you. 11:36:28	2	most of my time talking about the content of your 11:38:02 two reports today, but resumes seem to be 11:38:04
2	MR. TERRY: Yes, no questions. Thank 11:36:27 you. 11:36:28 CROSS-EXAMINATION BY MR. SPELLISCY: 11:36:29	2	most of my time talking about the content of your 11:38:02 two reports today, but resumes seem to be 11:38:04 a favourite topic. So can you please confirm for 11:38:06
2 3 4	MR. TERRY: Yes, no questions. Thank 11:36:27 you. 11:36:28 CROSS-EXAMINATION BY MR. SPELLISCY: 11:36:29 Q. Good morning, Mr. Bucci. 11:37:16	2 3 4	most of my time talking about the content of your 11:38:02 two reports today, but resumes seem to be 11:38:04 a favourite topic. So can you please confirm for 11:38:06 the record that you have never participated in the 11:38:09
2 3 4 5	MR. TERRY: Yes, no questions. Thank 11:36:27 you. 11:36:28 CROSS-EXAMINATION BY MR. SPELLISCY: 11:36:29 Q. Good morning, Mr. Bucci. 11:37:16 A. Good morning. 11:37:17	2 3 4 5	most of my time talking about the content of your 11:38:02 two reports today, but resumes seem to be 11:38:04 a favourite topic. So can you please confirm for 11:38:06 the record that you have never participated in the 11:38:09 financing of an offshore wind project before? 11:38:12
2 3 4 5	MR. TERRY: Yes, no questions. Thank 11:36:27 you. 11:36:28 CROSS-EXAMINATION BY MR. SPELLISCY: 11:36:29 Q. Good morning, Mr. Bucci. 11:37:16 A. Good morning. 11:37:17 Q. I don't know that you've had the 11:37:19	2 3 4 5 6	most of my time talking about the content of your 11:38:02 two reports today, but resumes seem to be 11:38:04 a favourite topic. So can you please confirm for 11:38:06 the record that you have never participated in the 11:38:09 financing of an offshore wind project before? 11:38:12 A. Yes, I have not. I can affirm 11:38:15
2 3 4 5 6 7	MR. TERRY: Yes, no questions. Thank 11:36:27 you. 11:36:28 CROSS-EXAMINATION BY MR. SPELLISCY: 11:36:29 Q. Good morning, Mr. Bucci. 11:37:16 A. Good morning. 11:37:17 Q. I don't know that you've had the 11:37:19 opportunity to sit with us before so we'll go 11:37:19	2 3 4 5 6 7	most of my time talking about the content of your 11:38:02 two reports today, but resumes seem to be 11:38:04 a favourite topic. So can you please confirm for 11:38:06 the record that you have never participated in the 11:38:09 financing of an offshore wind project before? 11:38:12 A. Yes, I have not. I can affirm 11:38:15 that. 11:38:16
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	Page 108		Page 109
1	your report. 11:38:57	1	answer? 11:39:41
2	A. The first one? 11:39:06	2	MR. BISHOP: I can read it. 11:39:42
3	Q. The first report. 11:39:07	3	THE WITNESS: Yes, so the answer is: 11:39:42
4	A. Okay. 11:39:08	4	I relied on the witness statements and the reports 11:39:43
5	Q. I'm sure it's probably in the 11:39:08	5	that are listed in Appendix A, for the scope of my 11:39:46
6	second. I'm sure it's standard language. And 11:39:08	6	review. 11:39:49
7	there's a section titled restrictions, assumptions, 11:39:08	7	BY MR. SPELLISCY: 11:39:49
8	qualifications. Are you there? 11:39:10	8	Q. And I'm glad to know our LiveNote 11:39:50
9	A. Yes, I am. 11:39:11	9	is working. 11:39:52
10	Q. And the third paragraph there in 11:39:11	10	Let's look at Appendix A, then, which 11:39:52
11	that section near the end, says you have not you 11:39:13	11	is at page 11 of the report. As you note, it is 11:39:55
12	provide the limitations and: 11:39:18	12	entitled "Scope of review." So that appendix lists 11:39:58
13	"Nor have I performed any 11:39:19	13	the documents that you relied upon in preparing your 11:40:01
14	investigative procedures to 11:39:19	14	first report; correct? 11:40:04
15	independently verify the accuracy 11:39:19	15	A. Correct. 11:40:05
16	of any third-party information." 11:39:19	16	Q. Now, if I'm looking at this list, 11:40:07
17	Correct? 11:39:24	17	in preparing your report and reaching the 11:40:13
18	A. Correct, I relied on the 11:39:25	18	conclusions that you did, you reviewed only three 11:40:15
19	information that's been quoted and recited and 11:39:26	19	documents from the time period prior to February 11, 11:40:17
20	footnoted in the report itself. 11:39:29	20	2011; is that right? You've got that the Ortech 11:40:19
21	MR. BISHOP: I can't hear. 11:39:31	21	Feasibility Analysis in 2010, the FIT contract in 11:40:24
22	THE WITNESS: Sorry, I'm going to turn 11:39:32	22	2010; and a Windstream prepared project development 11:40:29
23	this way, my apologies. 11:39:34	23	schedule in October of 2010; is that right? 11:40:32
24	BY MR. SPELLISCY: 11:39:39	24	A. Those would be the dates, correct. 11:40:35
25	Q. Do you want to repeat the last 11:39:39	25	Q. And you did as you said, no 11:40:36
	Page 110		Page 111
1	other investigations or verifications that are not 11:40:38	1	And you say that you have done so: 11:41:38
2	disclosed here. 11:40:40	2	"Without providing any comments, 11:41:41
3	A. Correct, I was looking mostly as 11:40:42	3	judgment or rendering any opinion 11:41:42
4	the report covers up, trying to assess the ability 11:40:44	4	whatsoever, on the reasonableness 11:41:44
5	of the project to meet the conditions precedent that 11:40:48	5	of these technical studies, 11:41:47
6	I had identified which I believe were important for 11:40:51	6	including any specific assumption 11:41:48
7	financing in the Canadian capital markets. 11:40:54	7	or conclusion contained therein." 11:41:50
8	Q. And in reaching that conclusion, 11:40:56	8	[As read] 11:41:52
9	what you did is you relied upon some of the 11:40:58	9	Do you see that? 11:41:53
10	technical reports that have been submitted here, but 11:41:01	10	A. Yes. 11:41:53
11	three documents prior to the moratorium being 11:41:03	11	Q. And that is an accurate 11:41:53
12	issued; correct? 11:41:07	12	description of what you did, correct? 11:41:54
13	A. Those would be the dates, correct. 11:41:08	13	A. Yes, I believe what we were trying 11:41:57
14	Yes. 11:41:11	14	to get to there is that the technical studies were 11:41:59
15	Q. Now just one other point on the 11:41:13	15	done independently and, you know, as an independent 11:42:01
16	scope of your work. If you turn to page 1 of your 11:41:14	16	expert I was relying solely on what was in those 11:42:05
17	first report, although it's pages 1 and 2 of your 11:41:17	17	technical studies. 11:42:09
18	second report as well, there is a disclaimer. And 11:41:20	18	Q. Right. And what you said was you 11:42:10
19	in that disclaimer you wrote: 11:41:27	19	did not provide any comments, judgment or any 11:42:11
20	"In completing the above-noted 11:41:29	20	opinion whatsoever on the reasonableness of any of 11:42:13
21	scope of services I have relied 11:41:31	21	those conclusions; correct? 11:42:15
22	upon technical reports as prepped 11:41:33	22	A. Correct. I had no input in the 11:42:16
23	by Windstream and its various 11:41:34	23	development of those studies. 11:42:18
24	technical advisors." 11:41:36	24	Q. So, essentially what just for 11:42:21
25	[As read] 11:41:38	25	the scope, as you've said, you accepted what those 11:42:23

	Page 112		Page 113
1	studies said was accurate and you prepared your 11:42:26	1	colon, and current scenario with a colon; do you see 11:43:25
2	opinion based on those? 11:42:30	2	that? 11:43:28
3	A. Yes. 11:42:31	3	A. Yes. 11:43:29
4	Q. Now I'd like to turn and I want 11:42:34	4	Q. And so you said the status quo 11:43:29
5	to stick with your first report for now, which is 11:42:35	5	scenario was a project schedule prior to the 11:43:32
6	the report that came in, I think, August of 2014; 11:42:39	6	offshore wind moratorium and the force majeure 11:43:34
7	correct? 11:42:44	7	notice; do you see that? 11:43:37
8	A. Yes. 11:42:44	8	A. That's right, so it would have 11:43:38
9	Q. I want to stick and you've 11:42:45	9	been the project, as it would occurred as it 11:43:39
10	organized that report into two scenarios. What you 11:42:47	10	would have occurred without the moratorium, yes. 11:43:43
11	call the "Status quo scenario" and the current 11:42:51	11	Q. Okay, so let me just understand 11:43:45
12	scenario; is that right? 11:42:55	12	though what this without the moratorium, you 11:43:49
13	A. That's right, yes. 11:42:56	13	said, because to be clear, the force majeure notice 11:43:52
14	Q. And if we look at the second 11:42:57	14	happens on December the 10th and the moratorium 11:43:55
15	page of your first report 11:42:59	15	happens on February the 11th so which date, just so 11:43:57
16	A. Page 2. 11:43:02	16	I'm clear in my questions, which date were you 11:44:00
17	Q. Page 2. 11:43:03	17	using? 11:44:02
18	A. Yes. 11:43:04	18	A. You're honing in on the dates, my 11:44:02
19	Q. And we look at the third 11:43:05	19	intention of status quo was to present how the 11:44:05
20	paragraph, the numbered 3, you provided a definition 11:43:06	20	project would have occurred without the moratorium 11:44:07
21	of how you understood those terms; right? 11:43:13	21	being in place. 11:44:09
22	A. Where I talk about sorry, where 11:43:15	22	Q. So, if the events of 11:44:10
23 24	I talked about collectively the scenarios? 11:43:17	23 24	February 11th did not happen? 11:44:11
25	Q. Yep, and then you've got under 11:43:20	25	A. Did not occur, yes, correct. 11:44:13
25	paragraph 3, you've got a status quo scenario with a 11:43:22	25	I see where you're saying scheduled prior to. 11:44:16
	Page 114		Page 115
1	Q. Yes, that's my question. 11:44:18	1	So that was a detailed schedule that was on about 11:45:31
2	A. I understand that now. 11:44:20	2	four pages. It was three levels deep. In order to 11:45:36
3	Q. So just to be clear then, it is 11:44:21	3	get a representation of the key effectively the 11:45:40
4	the schedule prior to really the offshore wind 11:44:22	4	key task and the sequencing of the key task of the 11:45:42
5	moratorium? 11:44:25	5	project, I had to summarize them to get them on one 11:45:45
6	A. Or as if the wind moratorium never 11:44:27	6	page. That's what I meant by "my understanding." 11:45:47
7	occurred. 11:44:29	7	Q. Sure. And just for the record you 11:45:50
8	Q. Got it. And then of course the 11:44:30	8	can turn to tab 4 in the binder you have in front of 11:45:51
9	current scenario would be after the wind moratorium, 11:44:32	9	you there, which is C-0375. 11:46:02
10	so the force majeure notice there, it's not the key 11:44:35	10	Is that the schedule that you relied 11:46:07
11	date for you; it's the February 11th date? 11:44:39	11	upon? 11:46:08
12	A. Correct. 11:44:42	12	A. Yes. 11:46:08
13	Q. Got it. All right. With that 11:44:43	13	Q. Okay, great. Let's stick with 11:46:08
14	understanding, what I would like to do is turn to 11:44:48	14	figure 1 here. 11:46:10
15	page 5 of your report which has your status quo 11:44:53	15	A. Good because I can't read this 11:46:14
16	scenario. I'd like to look at figure 1. 11:44:58	16	one. 11:46:15
17	And in the lead-in to figure 1, in the 11:45:11	17	Q. They get smaller and worse, trust 11:46:16
18	paragraph right above it, you say that: 11:45:13	18 19	us. 11:46:18
19 20	"This figure sets out my 11:45:15	20	A. As I get older. 11:46:19
21	understanding of the schedule for 11:45:16	20	Q. So this schedule then is supposed 11:46:20
22	the status quo scenario." 11:45:17	22	to represent your is your understanding of the 11:46:21
23	Do you see that? 11:45:19	23	schedule as it existed prior to February the 11th, 11:46:23
24	A. Yes, because it was a summary of 11:45:20 the more detailed schedule that's included as 11:45:21	24	2011, the moratorium day; is that right? 11:46:27 A. As if the moratorium didn't occur, 11:46:29
25	appendix as I think it was item 3 in Appendix A. 11:45:24	25	and which has subsequently been replaced by the more 11:46:31
23	appendix as I unlik it was noin 3 in Appendix A. 11.43.24	-3	and which has subsequently occur replaced by the more 11.40.51

Description Page 16 Page 17				
2		Page 116		Page 117
basis of your opinion based on this schedule final. 11-46-38 A. Sine. A. Si	1	detailed schedule I should point out as well. 11:46:35	1	MR. SPELLISCY: Mr. Terry, he has 11:47:39
A Sure. 11-46-41 5 Q. All right, so if we look at this 11-46-42 5 schedule, this schedule has in it — the first line 11-46-44 5 correct? 1136-55 7 of that schedule says "Renewable energy approval"; 11-46-51 7 of that schedule says "Renewable energy approval"; 11-46-51 8 Q. Ard it has that renewable energy 11-46-58 9 A. Yes, it does. 11-46-57 10 Q. And it has that renewable energy 11-46-58 11 approval process starting, it looks to me to be 11-47-00 11-47-18 12 August of 2010; is that right? 11-47-00 13 A. Yes, late July. 11-47-01 14 Q. Late July, But by February 111h, 11-47-05 15 Q. Late July, But by February 111h, 11-47-05 16 A. By February 11th - 11-47-13 17 Q. 2011, the moratorium date, the REA 11-47-15 18 process had not started, had it? 11-47-17 19 A. Sorry, I'm not following you. By 11-47-21 20 February 11th, the REA process, and so you know, basted your understanding of he status 11-48-12 17 Q. D. Had not begun. 11-47-27 18 A. Well. 11-47-27 29 Hes Not a permitting ex-expert. 1'm just 11-47-31 20 the context of the renewable energy approval and the 11-48-39 21 timelines required. 11-48-44 22 the context of the renewable energy approval and the 11-48-59 23 process as interpreted by Deloitin, just triping to 11-48-50 24 per or what all the key tasks and condition 11-48-87 25 process as an interpreted by Deloitin, just triping to 11-48-50 26 process as an interpreted by Deloitin, just triping to 11-48-50 27 processes as sociated with the renewable energy 11-49-90 28 processes as interpreted by Deloitin, just triping to 11-48-50 29 processes as interpreted by Deloitin, just triping to 11-48-50 20 processes as interpreted by Deloitin, just triping to 11-48-50 21 erroy approval. 11-49-14 22 processes associated with the renewable energy 11-49-90 23 timelines required. 11-49-91 24 processes, 1-4 processes,	2	Q. Yes, but I want to understand the 11:46:37	2	included the schedule in his report. He has said 11:47:40
5	3	basis of your opinion based on this schedule first. 11:46:38	3	the schedule sets out his understanding of the 11:47:43
MR. TERRY: Right, but you seem to be 11:47:51				
of that schedule says "Renewable energy approval"; 11:46:51 correct? A. Yes, it does. 11:46:55 A. Yes, it does. 11:46:57 A. Yes, it does. 11:46:58 A. Yes, it does. 11:47:57 August of 2010; is that right? August of 2010; is that right? A. Yes, it does. Q. Late July. But by February 11th, 11:47:05 A. By February 11th, 11:47:05 A. By February 11th. A. Wes, late July. But by February 11th, 11:47:05 A. By February 11th. A. Wes, late July. But by February 11th, 11:47:05 A. By February 11th. By O. 2011, the moratorium date, the REA 11:47:17 By O. 2011, the moratorium date, the REA 11:47:17 By O. 2011, the moratorium date, the REA 11:47:17 Before and the started, had it? Before and the started and th	5	Q. All right, so if we look at this 11:46:42		
8				
## through a whole bunch of questions as to what was ## 1147.57 Q. And it has that renewable energy ## 1147.03 Angust of 2010; is that right? 1147.03 A. Yes, Iae July. 1147.04 Q. Late July. 1147.04 A. By February 11th. 1147.05 D. Dill, the moratorium date, the REA 1147.15 D. Dill, the moratorium date, the REA 1147.15 D. Dill, the moratorium date, the REA 1147.15 D. Dill, the moratorium date, the REA 1147.21 D. Dill, the moratorium date, the REA 1147.23 D. Dill, the REA process. 1148.24				
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August of 2010; is that right? 11:47:03 13		•		
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2011, the REA process had not started, had it? 11:47:13 11:48:12 Q. 2011, the moratorium date, the REA 11:47:15 17 20 2011, the moratorium date, the REA 11:47:15 18 20 2011, the moratorium date, the REA 11:47:15 19 20 2011, the moratorium date, the REA 11:47:15 19 20 2011, the moratorium date, the REA 11:47:15 19 20 2011, the moratorium date, the REA 11:47:27 20 20 2011, the moratorium date, the REA 11:47:27 20 20 2011, the the REA process		-		_
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1.48.18 process had not started, had it? 11.47:17 1.48 process. 11.47:21 1.48.18 1.49.16				
February 11th, the REA process 11:47:23 20 Hard not begun. 11:47:25 21 22 A. Well 11:47:25 22 A. Well 11:47:25 23 MR. TERRY: Im just wondering here, 11:47:29 24 he's not a permitting ex-expert. I'm just 11:47:31 25 wondering 11:47:37 26 Whether or not the newable energy approval started 11:48:30 whether or not the newable energy approval started 11:48:30 whether or not the newable energy approval started 11:48:30 whether or not the newable energy approval and the 11:48:30 11:48:36 27 MR. Time the context of the renewable energy approval and the 11:48:30 28 MR. Time the context of the renewable energy approval and the 11:48:30 29 MR. Time the context of the renewable energy approval and the 11:48:41 40 Q. Uh-hmm?				
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Q. Had not begun. 11:47:25 22 A. Well 11:47:27 22 23 MR. TERRY: I'm just wondering here, 11:47:29 23 that in rendering that opinion then, you don't know 11:48:30 whether or not the renewable energy approval started 11:48:33 in August of 2010? 11:48:36	20			•
A. Well 11:47:27 MR. TERRY: I'm just wondering here, 11:47:29 he's not a permitting ex-expert. I'm just 11:47:31 Page 118 A. I would say what was important was 11:48:37 the context of the renewable energy approval and the 11:48:39 timelines required. 11:48:42 Q. Uh-hmm? 11:48:43 A. And when this project would have 11:48:45 achieved financial close. If you look at the bottom 11:48:45 achieved financial close. If you look at the bottom 11:48:45 for the chart, we put a little financial close 11:48:50 get to what all the key tasks and condition 11:48:50 get to what all the key tasks and condition 11:48:50 reregy approval process, I can't speak to that. I'm 11:49:03 energy approval process, I can't speak to that. I'm 11:49:04 for the actual mechanics of the renewable energy 11:49:12 approval. I'm approval. I'm lay-14 I simply was trying to get the 11:49:14 implied down cause 1 – I have noted in this 11:49:26 report, principally, that the renewable energy 11:49:20 financial close line there in a second and how it 11:49:38 in August of 2010? Page 119 Page 119 Page 119 Page 119 Financial close line there in a second and how it 11:49:38 relates to the other lines you have on this. 11:49:48 A. Right. 11:49:41 A. Right. 11:49:43 A. Right. 11:49:43 A. Right. 11:49:43 B. But just so I understand it, and 11:49:49 tine the saturs quo scenario was the schedule prior to 11:49:49 the status quo scenario was the schedule prior to 11:49:50 But your testimony hore in the serves and 11:50:05 though this schedule has a lot of events beginning 11:50:07 though this schedule hat is in the appendix and 11:50:20 I'm approval. 11:49:14 I simply was trying to get the 11:49:16 report, principally, that the renewable energy 11:49:20 report, principally, that the renewable energy 11:49:20 report,	21	· · · · · · · · · · · · · · · · · · ·	21	• • •
MR. TERRY: Im just wondering here, 11:47:29 he's not a permitting ex-expert. Im just 11:47:31 Page 118 A. I would say what was important was 11:48:37 the context of the renewable energy approval and the 11:48:39 timelines required. 11:48:42 Q. Uh-hmm? 11:48:43 A. And when this project would have 11:48:44 achieved financial close. If you look at the bottom 11:48:45 process as interpreted by Deloitte, just trying to 11:48:50 get to what all the key tasks and condition 11:48:50 precedents would have been to ensure that financial 11:48:59 to be could have occurred. 11:48:59 The actual mechanics of the renewable energy approval approval process, I can't speak to that. Im 11:49:03 not an expert. Ye never participated in one, and 11:49:06 processes associated with the renewable energy 11:49:12 propoval. 11:49:14 I simply was trying to get the 11:49:16 propoval proval. 11:49:14 I simply was trying to get the 11:49:16 proporty approval is probably the critical path item to 11:49:26 proporty approval is probably the critical path item to 11:49:26 proporty approval is probably the critical path item to 11:49:26 proporty approval is probably the critical path item to 11:49:26 this report was done. 11:49:36 A. Right. 11:49:41 A. Right. 11:49:43 But just so I understand it, and 11:49:43 But just so I understand it, and 11:49:45 But just so I understand it, and 11:49:45 But just so I understand it, and 11:49:45 But just so I understand it, and 11:49:41 But just so I understand it, and 11:49:41 But just so I understand it, and 11:49:43 But just so I understand it, and 11:49:41 But just so I understand it, and 11:49:43 But just so I understand it, and 11:49:40 But just so I understand it, and 11:49:41 But just so I understand it, and 11:49:40	22		22	
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Page 118 A. I would say what was important was 11:48:37 the context of the renewable energy approval and the 11:48:39 timelines required. 11:48:42 A. And when this project would have 11:48:44 C. Uh-hmm? 11:48:43 A. And when this project would have 11:48:44 coffice chart, we put a little financial close. If you look at the bottom 11:48:50 process as interpreted by Deloitte, just trying to 11:48:50 get to what all the key tasks and condition 11:48:50 proceedents would have been to ensure that financial 11:48:50 close could have occurred. 11:48:50 The actual mechanics of the renewable 11:49:01 close could have occurred. 11:49:03 not an expert. I've never participated in one, and 11:49:06 quite frankly, I don't understand all the regulatory 11:49:10 processes associated with the renewable energy 11:49:12 Tisimply was trying to get the 11:49:14 timeline down cause I – I have noted in this project was done. 11:49:36 this report was done. 11:49:36 proced and whether on not the schedule, as it was 11:50:42 timeline down cause I – I have noted in this project was done. 11:49:36 timelines required. 11:49:36 A. Right. 11:49:43 The action of the schedule of the wijest looked at before that 11:49:40 the status quo scenario was the schedule before that 11:49:45 Bet achieved financial close. If you look at the bottom 11:49:52 Bet winterpreted by Deloitte, just trying to 11:48:50 Bet achieved financial close in the reinewable energy 11:49:10 But your testimony now is that even 11:50:05 But your testimony now is that even 11:50:07 in 2010, that you are unaware of whether any of 11:50:07 in 2010, that you are unaware of whether any of 11:50:17 the detailed schedule that is in the appendix and 11:50:20 Irreproduced it on Figure 1. 11:50:22 Irreproduced it on Figure 1. 11:50:23 important is I – the key context of the report is 11:50:31 important is I – the key context of the report is 11:50:33 thotogethy in the revised schedules that came after 11:49:30	24		24	
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1	out, were in such a way that the project could have 11:50:48	1	figure 1 was inserted in here was not to get into 11:51:40
2	reached financial close in a reasonable timeframe 11:50:51	2	the mechanics of the tasks and what was required to 11:51:43
3	without the moratorium being in place. 11:50:54	3	achieve each of those tasks and complete them as - 11:51:47
4	Q. I do promise you, as well, we are 11:51:01	4	because there are many sub-tasks associated to each 11:51:50
5	going to get to table number 1. 11:51:03	5	of those, in fact, I bundled some together to try 11:51:53
6	A. I'm not trying to drag you there 11:51:05	6	and simplify the figure, okay. 11:51:56
7	but 11:51:07	7	What I was trying to accomplish, 11:51:58
8	Q. But I do I'm still not sure 11:51:07	8	writing the report, was to say "Okay, for these six 11:52:02
9	I understand because table number 1 refers 11:51:10	9	items or the conditions precedent, if I could have 11:52:05
10	constantly to figure number 1. 11:51:13	10	a visual aid that might assist myself in getting my 11:52:08
11	A. Yes. 11:51:15	11	point across and the sequencing of them, and were 11:52:10
12	Q. And so the support for what you're 11:51:16	12	they sequenced in such a way is that this project 11:52:13
13	saying in table number 1 is actually this figure 11:51:18	13	could have achieved financial close within the 11:52:16
14	number 1 that we're talking about, so your 11:51:20	14	timeframe that we would have expected it to." So 11:52:18
15	conclusions in table number 1 are based on figure 11:51:22	15	that was the purpose of figure 1. 11:52:20
16	number 1? 11:51:24	16	And then when we get to figure 2, we 11:52:22
17	A. I could take sorry to 11:51:26	17	change the table, obviously, to deal with the delays 11:52:25
18	interrupt. Sorry. 11:51:27	18	caused by the moratorium, and then try to deal with 11:52:27
19	Q. But are you now telling me that 11:51:28	19	what the impact of that is. 11:52:31
20	you don't know whether or not figure 1 is actually 11:51:29	20	Q. Uh-hmm. 11:52:33
21	representative of what happened prior to the force 11:51:32	21	A. So it's not to say that, you know, 11:52:33
22	majeure date? 11:51:35	22	I didn't I'm not a scheduling expert. 11:52:35
23	A. No, I'm not saying. 11:51:37	23	I didn't I didn't try to break the schedule down 11:52:37
24	Q. Okay. 11:51:38	24	from a feasibility perspective. I think that's been 11:52:40
25	A. What I'm saying is the reason why 11:51:39	25	done in other reports. That wasn't what I was 11:52:43
	Page 122		Page 123
1.	Page 122	1	Page 123
1 2	looking to do here. I was just trying to get, as 11:52:45	1 2	mean to be difficult. 11:53:53
2	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48	2	mean to be difficult. 11:53:53 Q. No, my sole task here is to try 11:53:54
2	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52	2	mean to be difficult. 11:53:53 Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56
2 3 4	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55	2 3 4	mean to be difficult. 11:53:53 Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58
2 3 4 5	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59	2	mean to be difficult. 11:53:53 Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00
2 3 4	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01	2 3 4 5	mean to be difficult. 11:53:53 Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01
2 3 4 5 6	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03	2 3 4 5 6	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05
2 3 4 5 6 7 8	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05	2 3 4 5 6 7	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06
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2 3 4 5 6 7 8	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11	2 3 4 5 6 7 8	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. A. Right. 11:53:53 11:53:56 A. Right. 11:53:56 11:54:06
2 3 4 5 6 7 8 9	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12	2 3 4 5 6 7 8 9	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:07
2 3 4 5 6 7 8 9 10	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15	2 3 4 5 6 7 8 9 10	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:10
2 3 4 5 6 7 8 9 10 11 12	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15 it's not actually meant to represent the status quo 11:53:18	2 3 4 5 6 7 8 9 10 11	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:07 A. I'm not sure that are. 11:54:10 Q. I'm not sure that it's worth 11:54:14
2 3 4 5 6 7 8 9 10 11 12	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15 it's not actually meant to represent the status quo 11:53:18 scenario? 11:53:19	2 3 4 5 6 7 8 9 10 11 12 13	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:07 A. I'm not sure that are. 11:54:10 Q. I'm not sure that it's worth 11:54:14 pursuing further, but I think you said this is, in 11:54:15
2 3 4 5 6 7 8 9 10 11 12 13 14	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15 it's not actually meant to represent the status quo 11:53:18 scenario? 11:53:22	2 3 4 5 6 7 8 9 10 11 12 13	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. A. Right. Q. But oh, sorry. A. I'm not sure that are. Q. I'm not sure that it's worth 11:54:14 pursuing further, but I think you said this is, in 11:54:15 your mind, an accurate representation of the status 11:54:18
2 3 4 5 6 7 8 9 10 11 12 13 14 15	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15 it's not actually meant to represent the status quo 11:53:18 scenario? 11:53:22 speakers - unclear) the status quo scenario. It is 11:53:23	2 3 4 5 6 7 8 9 10 11 12 13 14 15	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:07 A. I'm not sure that are. 11:54:10 Q. I'm not sure that it's worth 11:54:14 pursuing further, but I think you said this is, in 11:54:15 your mind, an accurate representation of the status 11:54:18 quo scenario as of February 11, 2011? 11:54:21
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15 it's not actually meant to represent the status quo 11:53:18 scenario? 11:53:19 A. It represents (Simultaneous 11:53:23 a visual aid of a more detailed schedule that's in 11:53:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:07 A. I'm not sure that are. 11:54:10 Q. I'm not sure that it's worth 11:54:14 pursuing further, but I think you said this is, in 11:54:15 your mind, an accurate representation of the status 11:54:18 quo scenario as of February 11, 2011? 11:54:21 A. As of the schedule that's in 11:54:24 Appendix A. 11:54:27 Q. So as of October of 2010? 11:54:29
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	looking to do here. I was just trying to get, as 11:52:45 looking at this as an investor or lender would, was 11:52:48 just to say, "Does the schedule include all the key 11:52:52 tasks that you would expect it to? What are the key 11:52:55 lead item that is are associated with getting 11:52:59 a financial close? Are they sequenced in such a way 11:53:01 that would enable this project to get to financial 11:53:03 close in a timeframe that we would expect it to?" 11:53:05 That's what we were trying to get to, or I was 11:53:09 trying to get to. 11:53:11 Q. Okay. So, this figure here, 11:53:12 actually, it was a visual aid you were saying so 11:53:15 it's not actually meant to represent the status quo 11:53:18 scenario? 11:53:19 A. It represents (Simultaneous 11:53:22 speakers - unclear) the status quo scenario. It is 11:53:23 a visual aid of a more detailed schedule that's in 11:53:25 the appendix. 11:53:28	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	mean to be difficult. Q. No, my sole task here is to try 11:53:54 and understand the basis for your conclusions and 11:53:56 I'm just not sure that I am. 11:53:58 I do understand, and we are going to 11:54:00 talk about some of the linkages, and what you've 11:54:01 said in your presentation as they relate to 11:54:05 financial close. 11:54:06 A. Right. 11:54:07 Q. But oh, sorry. 11:54:07 A. I'm not sure that are. 11:54:10 Q. I'm not sure that it's worth 11:54:14 pursuing further, but I think you said this is, in 11:54:15 your mind, an accurate representation of the status 11:54:18 quo scenario as of February 11, 2011? 11:54:21 A. As of the schedule that's in 11:54:24 Appendix A. 11:54:27 Q. So as of October of 2010? 11:54:29 A. Whenever that schedule was 11:54:31
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	Page 124		Page 125
1	interrupt, but clearly in terms of all the details 11:54:46	1	come from. 11:55:54
2	around the schedule and whether it was accurate at 11:54:48	2	THE WITNESS: They come from the 11:55:55
3	a particular date was created, which obviously was 11:54:52	3	detailed schedule. 11:55:56
4	some time prior to the moratorium, the right 11:54:57	4	BY MR. SPELLISCY: 11:55:58
5	witnesses to ask all those details to were the ones 11:54:59	5	Q. From the schedule in 2010? 11:55:59
6	who came up last week. 11:55:02	6	A. Yes, exactly. And all I'm saying 11:56:00
7	I think Mr. Bucci has been very clear 11:55:04	7	is we want to if there is a need to get into the 11:56:02
8	about the limits of his the scope of his exercise 11:55:07	8	schedule, I wouldn't use Figure 1; I would use the 11:56:04
9	as you emphasized during his cross-examination. 11:55:11	9	actual detailed schedule, because this is just 11:56:07
10	THE WITNESS: If I may, what the 11:55:15	10	a representation of that. And to get it all onto 11:56:09
11	genesis of that, the reason was I determined when 11:55:16	11	one page, I had to combine a bunch of tasks. 11:56:11
12	I was writing the report that I needed that figure, 11:55:19	12	Q. So maybe I will just ask one more 11:56:17
13	was when I was trying to describe what I call the 11:55:21	13	time, and I will use the word from your report in 11:56:19
14	"key tasks," which is in the second bullet that 11:55:24	14	page 2. 11:56:21
15	comes out after the figure, these key tasks that are 11:55:26	15	You said the status quo scenario is 11:56:22
16	inter-related are important from a due diligence and 11:55:30	16	a schedule prior to the offshore wind moratorium? 11:56:24
17	a financing perspective. 11:55:33	17	A. Right. And it represents the 11:56:27
18	I thought it was important to refer 11:55:35	18	project as it would have occurred without the 11:56:29
19	back to a figure, again, to provide a visual aid to 11:55:37	19	moratorium being in place. 11:56:31
20	the reader to see the sequencing and get 11:55:41	20	Q. And that's where I struggle, 11:56:34
21	an understanding of whether or not these tasks would 11:55:43	21	Mr. Bucci. 11:56:35
22	be sequenced in such a way that would enable the 11:55:45	22	Because, in fact, are you saying, 11:56:36
23	project to get to financial close. 11:55:47	23	then, that you know that these events that started 11:56:38
24	PRESIDENT: It is a fair question to 11:55:49	24	in 2010, started in 2010? 11:56:40
25	ask, where the start dates for each of those tasks 11:55:50	25	MR. TERRY: I think you are just going 11:56:45
	Page 126		Page 127
1	back to where we started this whole line of 11:56:46	1	September of 2012 at the end of September; 11:57:54
2	questioning. 11:56:48	2	correct? 11:57:57
3	BY MR. SPELLISCY: 11:56:49	3	A. Yes. 11:57:57
4	Q. I appreciate counsel's desire to 11:56:49	4	
5			O. Now, the renewable energy approval 11:58:01
_	- **	5	Q. Now, the renewable energy approval 11:58:01 line that you have at the top, that actually ends at 11:58:05
6	interject on the record, but I haven't had an answer 11:56:51 to my question yet. 11:56:54		line that you have at the top, that actually ends at 11:58:05 the end of November of 2012; correct? 11:58:08
7	interject on the record, but I haven't had an answer 11:56:51	5	line that you have at the top, that actually ends at 11:58:05
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7 8	interject on the record, but I haven't had an answer 11:56:51 to my question yet. 11:56:54 A. I was relying on the schedule that 11:56:56 was in the appendix, and did I – did I have means 11:56:57	5 6 7 8	line that you have at the top, that actually ends at 11:58:05 the end of November of 2012; correct? 11:58:08 A. Yes. 11:58:10 Q. Okay. So I'm not sure 11:58:11 I understand this because in your presentation today 11:58:12
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7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	interject on the record, but I haven't had an answer 11:56:51 to my question yet. A. I was relying on the schedule that 11:56:56 was in the appendix, and did I did I have means 11:56:57 to verify that the procurement of contractors and 11:57:01 the civil works the civil and foundation work 11:57:05 that's noted in here actually commenced on those 11:57:09 specifically that's on this schedule? 11:57:12 No, I took the schedule on its face 11:57:15 just as I did with any other report or any other 11:57:17 witness statement in both of my reports. 11:57:20 Q. Thank you. Now, let's look at 11:57:22 some of the linkages on that schedule. You noted at 11:57:27 the bottom, you have a line that says "The financial 11:57:39 close process," and it says "As interpreted by 11:57:42 Deloitte." 11:57:45 Do you see that? 11:57:46	5 6 7 8 9 10 11 12 13 14 15 16 17 18	line that you have at the top, that actually ends at 11:58:05 the end of November of 2012; correct? 11:58:08 A. Yes. 11:58:10 Q. Okay. So I'm not sure 11:58:11 I understand this because in your presentation today 11:58:12 you said that there was a renewable energy approval, 11:58:15 and then there was the review in front of the 11:58:18 Environmental Review Tribunal, and I think you said 11:58:20 that, in fact, it was the finalization of the 11:58:23 Tribunal, the finishing of the Tribunal that was the 11:58:28 key condition for financial close to be done; isn't 11:58:31 that what you said? 11:58:35 Q. So but in this you actually 11:58:35 have financial close as the process, the entire 11:58:38 process as finishing prior to the renewable energy 11:58:42 approval; is that not right? 11:58:45
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A. More importantly if you kind of 12:02:57	24			
	2.5			

	Page 132		Page 133
1	doesn't take away from the fact that the REA is 12:04:07	1	is actually in September of 2012. 12:05:16
2	still an important and is the condition precedent 12:04:10	2	Now, you said 12:05:21
3	to financing. 12:04:12	3	A. Sorry, I'm not sure this schedule 12:05:23
4	All I'm saying is that the sequencing 12:04:14	4	actually gets that detailed on the REA process, 12:05:25
5	in this schedule here, as taken from this schedule, 12:04:16	5	frankly. 12:05:27
6	is different and the timing is different than what's 12:04:20	6	Q. Sorry 12:05:29
7	in the report that we are just using today that's in 12:04:25	7	A. This says dismissal. This one 12:05:30
8	the Sgurr report in Appendix A. 12:04:27	8	here that I've got I have to go back to it again. 12:05:32
9	Q. Right. But to be clear, in your 12:04:29	9	Sorry to interrupt. 12:05:35
10	second report, you didn't actually reproduce 12:04:31	10	Q. Go ahead. 12:05:36
11	a different Figure No. 1 or base any of your 12:04:33	11	A. I shouldn't have put it away. 12:05:42
12	conclusions on (Simultaneous speakers - unclear) 12:04:36	12	There it is. Okay. So what was sorry, what was 12:05:47
13	A. No, because was only rebuttal - 12:04:38	13	your question again? 12:05:59
14	in my second report, it is only rebuttal to comments 12:04:40	14	Q. I think you just interrupted. 12:06:00
15	that were made on my report. We weren't 12:04:43	15	I haven't started a question. 12:06:02
16	reintroducing this report. 12:04:45	16	A. Okay, sorry, I was going back. 12:06:04
17	So if I was doing this report over 12:04:51	17	Q. If you wanted to add some context? 12:06:07
18	again, I would take out Figure 1 as it is here, 12:04:54	18	PRESIDENT: It shows September at the 12:06:11
19	I would insert a new Figure 1 that is based on the 12:04:56	19	end. (sotto voce) 12:06:12
20	revised report, and I don't think my finding would 12:04:59	20	THE WITNESS: It shows that the final 12:06:16
21 22	be any different. 12:05:01	21 22	approval is at the end of September. 12:06:17
23	Q. Okay. Now, you had said here that 12:05:02 the key condition precedent is the dismissal of the 12:05:07	23	BY MR. SPELLISCY: 12:06:19
24	REA in your presentation. And so now you've got the 12:05:10	24	Q. At the end of September, but 12:06:20 that's your REA approval not your Environmental 12:06:20
25	dismissal of that REA, as you say on the stand now 12:05:13	25	Review Tribunal. 12:06:26
	distinssar of that REAR, as you say on the stand now 12.03.13		Review Hilbarian. 12.00.20
	Page 134		Page 135
1	_	1	_
1 2	A. Well, there is a gap in there. 12:06:30	1 2	working back six to 12 months. And I picked nine as 12:07:46
	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31		_
2	A. Well, there is a gap in there. 12:06:30	2	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52
2	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38	2 3	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54
2 3 4	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38	2 3 4	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54
2 3 4 5	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39	2 3 4 5	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55
2 3 4 5 6	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49	2 3 4 5 6	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59
2 3 4 5 6 7	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46	2 3 4 5 6 7	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57
2 3 4 5 6 7 8	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49	2 3 4 5 6 7 8	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03
2 3 4 5 6 7 8 9 10	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53	2 3 4 5 6 7 8 9 10	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes — anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr — than in 12:08:06
2 3 4 5 6 7 8 9 10 11 12	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54	2 3 4 5 6 7 8 9 10 11	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes — anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr — than in 12:08:06 the detailed schedule that's in — that accompanies 12:08:09
2 3 4 5 6 7 8 9 10 11 12 13	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57	2 3 4 5 6 7 8 9 10 11 12 13	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12
2 3 4 5 6 7 8 9 10 11 12 13	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02	2 3 4 5 6 7 8 9 10 11 12 13	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18
2 3 4 5 6 7 8 9 10 11 12 13 14	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04	2 3 4 5 6 7 8 9 10 11 12 13 14 15	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:08	2 3 4 5 6 7 8 9 10 11 12 13 14 15	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:26
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:08 tab, and just in case no one else is, it is Tab 4 in 12:07:10	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:10 the binders. I'm not sure anyone else wants to look 12:07:15	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31 financial close? 12:08:32
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:10 the binders. I'm not sure anyone else wants to look 12:07:15 at the detailed schedule, but if we could pull it up 12:07:18	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31 financial close? 12:08:32 A. Not the permitting. The renewable 12:08:34
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:10 the binders. I'm not sure anyone else wants to look 12:07:15 at the detailed schedule, but if we could pull it up 12:07:18 on the screen. I just have one question. 12:07:21	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31 financial close? 12:08:32 A. Not the permitting. The renewable 12:08:34 energy act, not the permitting. Not all of the 12:08:35
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:08 tab, and just in case no one else is, it is Tab 4 in 12:07:10 the binders. I'm not sure anyone else wants to look 12:07:15 at the detailed schedule, but if we could pull it up 12:07:18 on the screen. I just have one question. 12:07:21 There is line here for financial close 12:07:23	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31 financial close? 12:08:32 A. Not the permitting. The renewable 12:08:34 energy act, not the permitting. Not all of the 12:08:35 permits, the Renewable Energy Act, the REA. 12:08:40
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:08 tab, and just in case no one else is, it is Tab 4 in 12:07:10 the binders. I'm not sure anyone else wants to look 12:07:15 at the detailed schedule, but if we could pull it up 12:07:18 on the screen. I just have one question. 12:07:21 There is line here for financial close 12:07:23 as well which appears to replicate the same nine 12:07:25	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31 financial close? 12:08:32 A. Not the permitting. The renewable 12:08:34 energy act, not the permitting. Not all of the 12:08:35 permits, the Renewable Energy Act, the REA. 12:08:40 Q. The REA approval? 12:08:43
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Well, there is a gap in there. 12:06:30 The gap is one, two, six months, so I presume that 12:06:31 gap is there essentially for the Tribunal. It 12:06:35 there is not a task. 12:06:38 It is not as clear as the report 12:06:39 that's the schedule that's in the Sgurr report 12:06:41 that clearly articulates that that's the case. 12:06:46 I can assume from that that that's why that gap is 12:06:49 there. 12:06:52 Q. Okay. 12:06:52 A. It is that red box that you see 12:06:53 about ten lines down, it says "REA approval," and 12:06:54 there is a gap from when do you the actual REA 12:06:57 submission. And, again, I assume that's to deal 12:07:02 with the Tribunal. 12:07:04 Q. Now, since we're looking at this 12:07:08 tab, and just in case no one else is, it is Tab 4 in 12:07:10 the binders. I'm not sure anyone else wants to look 12:07:15 at the detailed schedule, but if we could pull it up 12:07:18 on the screen. I just have one question. 12:07:23 as well which appears to replicate the same nine 12:07:25 months you've assumed in your report; is that right? 12:07:33	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	working back six to 12 months. And I picked nine as 12:07:46 just the midpoint of the two. It wasn't more 12:07:49 scientific than that. 12:07:52 Q. So that was your assessment. 12:07:54 It wasn't just taking it from this 12:07:55 schedule here? 12:07:56 A. Working from NTP and all this 12:07:57 scheduled drives and everything is the key that 12:07:59 lines everything up to Notice to Proceed, which 12:08:01 comes anyways, it's a different Notice to Proceed 12:08:03 timeline here than there is in the Sgurr than in 12:08:06 the detailed schedule that's in that accompanies 12:08:09 this Sgurr report and that's represented on Slide 8. 12:08:12 Q. Okay. And so, to confirm then, 12:08:18 your opinion is just looking at what's in Figure 12:08:21 1, your opinion is that the permitting needs to be 12:08:31 financial close? 12:08:32 A. Not the permitting. The renewable 12:08:34 energy act, not the permitting. Not all of the 12:08:35 permits, the Renewable Energy Act, the REA. 12:08:40 Q. The REA approval? 12:08:43 A. Yes. 12:08:43
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1	obtaining your Federal Navigable Waters Act? 12:08:45	1	other permits that might have also been a condition 12:09:49
2	A. It can, it can. 12:08:51	2	precedent, and could have required those to be in 12:09:52
3	Q. You have that opinion for 12:08:52	3	place prior to financing. 12:09:54
4	an offshore wind project? 12:08:53	4	Q. And so your opinion that you've 12:09:57
5	A. No, generally speaking, what I'm 12:08:54	5	given to this to this Tribunal doesn't address 12:09:59
6	saying, you can proceed and projects have proceeded 12:08:56	6	those other permitting issues? 12:10:03
7	in this country with permits that, you know, that 12:08:59	7	A. It assumes that the REA approval 12:10:05
8	weren't in place and that were put in place during 12:09:03	8	is the critical, long lead time approval required 12:10:07
9	the design and construction process, yes. 12:09:05	9	for financing this project. 12:10:12
10	Q. But specifically for an offshore 12:09:08	10	Q. So the REA approval is on the 12:10:14
11	wind context, you don't have you are not offering 12:09:10	11	critical path? 12:10:16
12	an opinion on whether that could happen? 12:09:13	12	A. It is on a critical path, correct. 12:10:17
13	A. No, I'm not. I'm not qualified to 12:09:15	13	Q. Got it. I don't want to continue 12:10:19
14	make that judgment. 12:09:17	14	on Figure 1, but I do want to ask a clarification. 12:10:24
15	Q. Okay. 12:09:18	15	You had said that what you had done 12:10:27
16	A. What I'm saying from a financing 12:09:18	16	was take some of the line items from that more 12:10:28
17	perspective, generally the key the critical risk 12:09:19	17	detailed schedule and condensed them and summarized 12:10:33
18	and the longest lead time approval risk and the one 12:09:24	18	them? 12:10:36
19	that has the greatest risk of outside influence is 12:09:26	19	A. I believe I captured all of them. 12:10:37
20	risks that are like the Environmental Approval Act 12:09:34	20	What I'm saying is this schedule has many, many, 12:10:39
21	or in this case, the REA. So from a financing 12:09:36	21	tabs on it. It doesn't have sub-levels, so it isn't 12:10:47
22	perspective that's the key one you would focus on. 12:09:39	22	the same as a typical schedule you'd see as a Level 12:10:49
23	As part of technical due diligence, 12:09:42	23	1, Level 2, and you can condense them and put them 12:10:52
24	the lender's technical advisors would have gone 12:09:44	24	up that way. 12:10:55
25	through the scheduling and determined and identified 12:09:46	25	And some of the tasks were 12:10:56
	Page 138		Page 139
1	interrelated and it made more sense for me for 12:10:57	1	Q. The engineering work? 12:12:02
2	visual and presentation reporting purposes to put 12:11:00	2	A. Yeah. 12:12:03
3	them together on one task here. 12:11:02	3	Q. Okay. And then I take it 12:12:05
4	Q. And which item here is the actual 12:11:06	4	foundation work isn't in the electrical work in 12:12:07
5	construction of the wind farm, because I see you 12:11:08	5	connections. 12:12:10
6	have COD but I don't see one for construction? 12:11:13	6	Where in your figure is that one 12:12:11
7	A. I believe it would be in the 12:11:16	7	located? 12:12:13
8	electrical works and connections, because the civil 12:11:17	8	A. Where in this sorry, which? 12:12:14
9	and foundation work was all of the work off of the 12:11:20	9	Q. Figure 1, the one that was your 12:12:16
10	site to get the foundations ready at the batch 12:11:24	10	understanding. What 12:12:18
11	plant. 12:11:30	11	A. And what question are you asking 12:12:19
12	And then once you got to NTP, then 12:11:30	12	me again? Sorry. 12:12:20
13	they got put out to the site, put in place, and then 12:11:34	13	Q. The foundation work that you're 12:12:22
14	connected. This schedule again. 12:11:39	14	talking about, you said that the item for 12:12:23
15	Q. This schedule. And to be clear 12:11:43	15	foundations there was just the engineering work. 12:12:25
16	on that, you have other items that are actually 12:11:44	16	So I'm just asking where in your 12:12:27
17	so that one extends past financial close, but you 12:11:46	17	summary here of Figure 1 of your understanding does 12:12:29
18	have other items like civil and foundation work - 12:11:49	18	items like the foundation work and the installation 12:12:32
19	A. Yep. 12:11:51	19	work happen? 12:12:34
20	Q that you have as completed on 12:11:52	20	A. I believe all of the installation 12:12:35
21	the schedule entirely prior to financial close; 12:11:53	21	was done in electrical work and connections. 12:12:37
22	correct? 12:11:57	22	Q. Even foundations? 12:12:39
23	A. My interpretation of that was that 12:11:57	23	A. Yeah. 12:12:40
24	it was the advance work that was being done on the 12:11:58	24	Q. Okay. 12:12:41
25	foundations for the turbines. 12:12:01	25	PRESIDENT: There are separate items, 12:12:46

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1	civil/foundation work just above that. What does 12:12:47	1	understand what the expert's role in this was, in 12:13:47
2	that cover then? 12:12:50	2	these exercises. 12:13:50
3	THE WITNESS: What page are you on? 12:12:52	3	MR. TERRY: Sure. 12:13:55
4	PRESIDENT: Figure 1. 12:12:53	4	THE WITNESS: So, if you go to 12:14:03
5	THE WITNESS: No, I've got to go to 12:12:54	5	these pages aren't numbered. If you go there's 12:14:07
6	this schedule here because this has the details in 12:12:55	6	an item called "civil/foundations." And it looks 12:14:11
7	it. 12:12:59	7	like it's mostly processing and engineering work. 12:14:26
8	BY MR. SPELLISCY: 12:13:04	8	Foundation, design, conceptual foundation options. 12:14:28
9	Q. I'm just asking about Figure 1, 12:13:04	9	Sorry, I was having difficulty reading it. 12:14:33
10	Mr. Bucci, which is your understanding. 12:13:06	10	Geophysical field studies. 12:14:39
11	A. Yeah, I know, but what I'm saying 12:13:08	11	BY MR. SPELLISCY: 12:14:44
12	is that figure had a series of tasks that were put 12:13:09	12	Q. So if I understand your testimony, 12:14:44
13	together to represent one item. And in order to 12:13:13	13	the civil and foundation work that's on that is 12:14:45
14	understand how that's broken down, I need to go to 12:13:16	14	actually the engineering and design work not the 12:14:47
15	this detailed schedule. Just bear with me. 12:13:19	15	actual installation and construction? 12:14:50
16	MR. TERRY: And Mr. President, 12:13:31	16	A. I was trying to be consistent with 12:14:51
17	obviously I have no concerns with any of the 12:13:32	17	the titles they were using, correct. That's why 12:14:52
18	questioning, but just to note it was Mr. Roeper who 12:13:34	18	I have to go back to this to understand what this 12:14:55
19	spoke in his witness all about the schedule and its 12:13:38	19	is. 12:14:57
20	nature and anyway. 12:13:40	20	PRESIDENT: Can we blow this up and 12:14:58
21	MR. SPELLISCY: Fair enough, I'm 12:13:42	21	make it easier to read? 12:15:00
22	asking about 12:13:43	22	MR. SPELLISCY: Exhibit C-0375. First 12:15:02
23	MR. TERRY: Listen, I'm not objecting 12:13:44	23	page of it. I think Mr. Bucci is talking about the 12:15:15
24	I'm just 12:13:45	24	second green line there, civil and foundation. Yep. 12:15:17
25	PRESIDENT: Yes, understood. We 12:13:47	25	
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	Page 142		Page 143
1	BY MR. SPELLISCY 12:15:22	1	Q. Right. It still comes actually 12:16:15
2	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22	2	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17
2	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23	2 3	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20
2 3 4	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24	2 3 4	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23
2 3 4 5	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25	2 3 4 5	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24
2 3 4 5	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26	2 3 4 5 6	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25
2 3 4 5 6 7	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29	2 3 4 5 6 7	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25
2 3 4 5 6 7 8	BY MR. SPELLISCY 12:15:22 Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33	2 3 4 5 6	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28
2 3 4 5 6 7 8	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35	2 3 4 5 6 7	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25
2 3 4 5 6 7 8 9	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36	2 3 4 5 6 7 8	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28
2 3 4 5 6 7 8 9 10	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43	2 3 4 5 6 7 8 9 10	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40
2 3 4 5 6 7 8 9 10 11	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44	2 3 4 5 6 7 8 9	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37
2 3 4 5 6 7 8 9 10 11 12	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47	2 3 4 5 6 7 8 9 10	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40
2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53	2 3 4 5 6 7 8 9 10 11 12	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49
2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53	2 3 4 5 6 7 8 9 10 11 12 13	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53 Q. In this schedule and in your 12:15:55	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:55 Figure 1, it is engineering work? 12:15:56	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. 12:15:59	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. 12:15:59 Q. Okay. And in terms of you have 12:16:02	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45 schedule, and I had pulled out the equipment order 12:17:54
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53 Q. In this schedule and in your 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. 12:15:59 Q. Okay. And in terms of you have 12:16:02 an item that you actually do talk about later about 12:16:05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45 schedule, and I had pulled out the equipment order 12:17:54 lines that were halfway down that schedule. 12:17:57
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53 Q. In this schedule and in your 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. Q. Okay. And in terms of you have 12:16:02 an item that you actually do talk about later about 12:16:05 complete equipment orders 12:16:08	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45 schedule, and I had pulled out the equipment order 12:17:54 lines that were halfway down that schedule. 12:17:57 Q. And so some of that would happen 12:18:02 before financial close in your model and figure? 12:18:04
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53 Q. In this schedule and in your 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. 12:15:59 Q. Okay. And in terms of you have 12:16:02 an item that you actually do talk about later about 12:16:05 complete equipment orders 12:16:08 A. Yes. 12:16:11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45 schedule, and I had pulled out the equipment order 12:17:54 lines that were halfway down that schedule. 12:17:57 Q. And so some of that would happen 12:18:04 A. Some of that would happen before. 12:18:04
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53 Q. In this schedule and in your 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. 12:15:59 Q. Okay. And in terms of you have 12:16:02 an item that you actually do talk about later about 12:16:05 complete equipment orders 12:16:11 Q on Figure 1 which 12:16:11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45 schedule, and I had pulled out the equipment order 12:17:54 lines that were halfway down that schedule. 12:17:57 Q. And so some of that would happen 12:18:02 before financial close in your model and figure? 12:18:04
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. SPELLISCY Q. This is what you are referring to, 12:15:22 Mr. Bucci? 12:15:23 A. This 12:15:24 Q. If you want to look on the screen 12:15:25 we can 12:15:26 A. Oh, there we go, yeah. 12:15:29 Q. We can do a little bit better for 12:15:33 you. 12:15:35 A. Yep. 12:15:36 Q. So just to understand, so the 12:15:43 procurement, all the work that's occurring prior to 12:15:44 financial close, in your schedule, is engineering 12:15:47 work? 12:15:53 A. In this schedule, correct. 12:15:53 Q. In this schedule and in your 12:15:55 Figure 1, it is engineering work? 12:15:56 A. That's right. And civil and 12:15:58 foundation in this schedule aligns with that. 12:15:59 Q. Okay. And in terms of you have 12:16:02 an item that you actually do talk about later about 12:16:05 complete equipment orders 12:16:08 A. Yes. 12:16:11	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Right. It still comes actually 12:16:15 begins before financial close in Figure 1 and goes 12:16:17 up until, I guess, about a quarter of it is at 12:16:20 financial close. 12:16:23 Do you see that? 12:16:24 A. Yep. 12:16:25 Q. So the plan was to actually begin 12:16:25 putting some equipment orders prior to financial 12:16:28 close? That's what you base your opinion on? 12:16:30 A. This had some an item called 12:16:37 "turbine supply logistics," correct, beginning in 12:16:40 The item you were talking about was? 12:16:49 Q. Complete 12:16:54 A. Complete equipment orders. So 12:16:55 that's (sotto voce) Let me find that one. 12:16:57 So I would have had it it was under 12:17:43 "Procure and Construct, P & C," in the main 12:17:45 schedule, and I had pulled out the equipment order 12:17:54 lines that were halfway down that schedule. 12:17:57 Q. And so some of that would happen 12:18:02 before financial close in your model and figure? 12:18:04 A. Some of the orders would have been made prior to 12:18:09

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	Page 144		Page 145
1 (about Table 1 in your report 12:18:15	1	a detailed financial model that can assess economic 12:19:16
2	A. Okay. 12:18:17	2	feasibility. 12:19:20
3	Q which is at page 6. 12:18:18	3	A. Right. 12:19:21
4	This is a table where I think, as 12:18:27	4	Q. Now, on page 3 of your report 12:19:22
5 <u>y</u>	you've said, you were assessing the project for 12:18:29	5	where you are talking about these conditions, you 12:19:28
6 (conditions against financing which you've identified 12:18:31	6	explain what each of these means that are in the 12:19:30
7 8	as essential; correct? 12:18:35	7	table. And for a detailed financial model that can 12:19:33
8	A. Correct. 12:18:36	8	assess economic feasibility for 12:19:36
9	Q. And now this one is titled: 12:18:37	9	A. Sorry, you're at? 12:19:39
10 '	"Assessment at the status quo or of the status 12:18:39	10	Q. Page 3, paragraph 2. 12:19:41
11 (quo scenario." 12:18:41	11	A. Yep, okay. Yep, I'm with you. 12:19:42
12	So this is the assessment prior to 12:18:43	12	Q. So you say: 12:19:44
13]	February 11, 2011; correct? 12:18:45	13	"A detailed financial model that 12:19:44
14	A. It would have been the assessment 12:18:47	14	can assess economic feasibility of 12:19:44
15 (of the project schedule without a better way to 12:18:48	15	the Project by taking into account 12:19:44
16 j	have worded it would have been the "Assessment of 12:18:51	16	the following inputs: 12:19:44
17 t	the project without the offshore moratorium." 12:18:54	17	- Engineering, procurement and 12:19:44
18	Q. So, to be clear, this isn't 12:18:57	18	construction (collectively "EPC") 12:19:44
19 8	an assessment of the conditions at February 11, 12:19:00	19	schedule and cost inputs" 12:19:44
20 2	2011; this is what you think would have happened 12:19:01	20	Correct? 12:19:55
21	A. If the moratorium wouldn't have 12:19:04	21	A. Yep, yes. 12:19:56
22	occurred, correct. And if the schedule would have 12:19:05	22	Q. Okay. So if we come back to 12:19:57
23	occurred as planned. 12:19:07	23	page 6. So you said on your assessment of ability, 12:19:59
24	Q. Now, I want to look in that exact 12:19:09	24	you said: 12:20:05
25 <u>1</u>	regard at condition number two, which you say is 12:19:12	25	"Windstream had developed a 12:20:06
	Page 146		Page 147
1	financial model for the purpose of 12:20:06	1	the one that's attached at Item 5, and it provides, 12:21:13
2	assessing the overall economic 12:20:06	2	you know, assessment of returns that are quite 12:21:17
3	feasibility of the Project." 12:20:06	3	favourable. 12:21:20
4	Correct? 12:20:14	4	Q. Now, in terms of the EPC schedule 12:21:23
5	A. Yes. 12:20:15	5	or the technical schedule is what everybody else has 12:21:29
6	Q. So you use the past tense there, 12:20:15	6	called it, that you relied upon for this conclusion 12:21:31
7 5	so I assume that your opinion as of February 11, 12:20:18	7	that they had developed it. 12:21:34
8 t	that such a model existed; right? 12:20:22	8	I will ask you: Were you aware that 12:21:35
9	A. It is Item 5 in Appendix A, the 12:20:25	9	Sgurr has concluded that while appropriate in their 12:21:38
10	Wolfe Island Shoals feasibility analysis prepared by 12:20:29	10	mind for the stage the project was developed, 12:21:41
11 (Ortech. 12:20:31	11	a schedule of this sort was not intended or provided 12:21:43
12	Q. Right, but we just looked also 12:20:31	12	for use as a detailed project schedule; are you 12:21:47
¹³ I	part of that was the procurement schedule or the 12:20:33	13	aware of that? 12:21:49
14	engineering procurement and construction schedule. 12:20:36	14	A. I would say that all of the 12:21:50
15	In paragraph 2, you had said that was 12:20:39	15	information was available for someone to prepare 12:21:51
	part of the detailed financial model; correct? 12:20:41	16 17	a financial model that was suitable for the 12:21:54
17	A. It would be part of a detailed 12:20:43	18	assessment of the economic feasibility of the 12:21:56
	financial model because the detailed financial model 12:20:45	19	project, and it wouldn't have been something that 12:21:59 would have prevented financing. 12:22:00
	would have to have the build out, the design period, 12:20:48	20	Q. But you would agree with me 12:22:02
	the build out period. 12:20:51	21	well, maybe you wouldn't agree with me is your 12:22:03
21	Q. And so the schedule you are 12:20:54	22	opinion that this schedule right here would have 12:22:06
	relying upon there is the one that we've been 12:20:55	23	been sufficient for lenders, the one that you're 12:22:08
	squinting our eyes at for the last 20 minutes or so? 12:20:59	24	looking at? 12:22:11
24	A. Right. And then the financial 12:21:04	25	A. This one here? 12:22:11
25 1	model that was assessed for initial feasibility is 12:21:10		12.22.11

	Page 148		Page 149
1	Q. No, the one that starts at Tab 4 12:22:13	1	Because the financial model would have 12:23:05
2	of your binder? 12:22:17	2	to satisfy an investor that it's going to get 12:23:06
3	A. This one here? 12:22:17	3	returns. First of all, it would have satisfy 12:23:09
4	Q. Is it your opinion that that was 12:22:18	4	lenders as sufficient revenues to recover principle 12:23:10
5	a bankable schedule? 12:22:20	5	and interest payments under all conditions. The 12:23:13
6	A. It probably would have needed more 12:22:21	6	wind study would have been important for that. 12:23:15
7	detail. 12:22:23	7	I think there was wind analysis done 12:23:18
8	Q. And it was the only schedule that 12:22:24	8	to support the wind conditions. And then more 12:23:19
9	existed or that you've seen anyways that existed as 12:22:25	9	importantly with respect to long-term investors, 12:23:23
10	of February 11, 2011; right? 12:22:28	10	equity investors, that the income rate of the return 12:23:25
1,1	A. Right. And that was subsequently 12:22:31	11	would have been sufficient for investors to want to 12:23:29
12	replaced by a more detailed schedule. 12:22:33	12	place money into the project. 12:23:32
13	Q. Right. But that doesn't come 12:22:35	13	So the conclusion here was that on 12:23:34
14	until 2014; correct? 12:22:36	14	this project, given the profile of the contract, 12:23:35
15	A. Well, this report is 2014, right? 12:22:38	15	given the economics of the FIT contract itself, that 12:23:38
16	Q. So, maybe 2015, I guess. They all 12:22:40	16	as compared to other projects, the financial model 12:23:43
17	blur together, these years. 12:22:43	17	and feasibility of it, might have been a critical 12:23:48
18	A. Right. 12:22:44	18	item. 12:23:50
19	Q. So 12:22:47	19	Here it wasn't expected to be because 12:23:51
20	A. I think the point is if you look 12:22:47	20	of the economic factors associated with the 12:23:52
21	at the schedule and the economics of the project, it 12:22:49	21	contract. And the model and the model that's 12:23:54
22	is not expected because of the nature of the FIT 12:22:52	22	attached in Appendix A helped support that. 12:23:57
23	and the off-take, the 20 cents kW that you get by 12:22:55	23	Q. But in terms of the schedule, you 12:24:00
24	the time you are in construction, that the financial 12:23:01	24	would agree with me that having a schedule that 12:24:04
25	model would be something. 12:23:04	25	showed the project could be brought to completion 12:24:06
	Page 150		Page 151
_	_		•
1	would be needed for the lenders financial close; 12:24:09	1	sufficient to reach financial close; you just 12:25:24
2	correct? 12:24:20	2	assumed that they would in the future? 12:25:26
3	A. This schedule here depicts all of 12:24:23	3	A. Or a better way to put it would 12:25:28
4	the tasks from the beginning of the project to the 12:24:25	5	have been that there was a financial model that was 12:25:30
5	end. 12:24:28	6	presented that demonstrated that the financial 12:25:32
6	If you look at where the project was 12:24:30	7	economics of the project were sufficient enough to 12:25:34 not be a critical path item to have been able to 12:25:37
7	at the time that a moratorium occurred, it was in 12:24:31	8	achieve financial close. 12:25:37
8	November of the project had only been effectively 12:24:34	9	Q. And it would depend upon the 12:25:41
9	in development for five months. The financial close 12:24:40	10	development of a more detailed schedule in the 12:25:44
10	period wasn't probably going to be in full gear 12:24:43	11	future? 12:25:48
11 12	until the end 2011. 12:24:47	12	A. Probably not. The question you 12:25:48
13	If at that point a more detailed 12:24:51	13	asked me is would lenders wanted to see a more 12:25:50
14	schedule needed to be provided that took these tasks 12:24:54 and broke them down into two or three different 12:24:56	14	detailed schedule? My answer is potentially, yes. 12:25:52
15		15	Whether that changes the financial 12:25:55
16	levels, I presume they would have been able to do 12:25:00	16	economic analysis, not necessarily. Because that 12:25:56
17	that, and I presume that wouldn't have been 12:25:03 a problem. 12:25:05	17	kind of detailed scheduled doesn't make its way into 12:25:59
18	•	18	a financial model. Financial model is 12:26:00
19	My assumption is that that's the 12:25:06 information that they had at the time that the 12:25:08	19	month-by-month so 12:26:02
20	project had progressed to that point. 12:25:09	20	Q. Right. But you did say that the 12:26:03
21	Q. Right. So that I understand, 12:25:12	21	schedule was part of the financial model that was - 12:26:05
22	then, when you wrote of your assessment of the 12:25:12	22	A. It is a consideration because if, 12:26:08
23	status quo scenario, that Windstream had developed 12:25:15	23	particularly during construction, your drawdown of 12:26:10
24	a financial model, you're not saying that they had 12:25:18	24	design and construction cost occur on a monthly 12:26:14
25	developed a model and a schedule that was yet 12:25:21	25	basis, and they typically come off of a schedule. 12:26:16
	developed a model and a senedule that was yet 12.23.21		

	Page 152		Page 153
1	But for purposes of financial 12:26:19	1	And the reason and so there's so 12:27:29
2	modeling, you don't need a schedule that is 12:26:21	2	partially it is because of the schedule and the 12:27:32
3	100 pages deep or 10 pages deep for that matter. 12:26:23	3	sequence. The developers were in the process of 12:27:34
4	Q. Now, you've got a number of 12:26:27	4	discussing these contracts with the EPC and O&M 12:27:40
5	item other items on here, 3, 4, 5 and 6. For 12:26:30	5	providers that got interrupted by the moratorium. 12:27:45
6	each of these items we can take them one by one, 12:26:37	6	There is no reason to believe, given 12:27:47
7	but I presume we can do it probably relatively 12:26:40	7	the profile of the project, given the nature of the 12:27:49
8	quickly. 12:26:44	8	FIT contract itself and what it and how 12:27:52
9	For all EPC and O&M contracts, this is 12:26:45	9	finance-able it made the project, and the profile of 12:27:55
10	condition 3, are in process of completion and you 12:26:47	10	the investors and the track record that they had, 12:27:59
11	would agree or maybe you have no knowledge, but 12:26:50	11	that they wouldn't have been able to attract the EPC 12:28:02
12	you can answer either way if you do have no 12:26:52	12	and EPC contractors and O&M contractors required 12:28:04
13	knowledge that EPC and O&M contracts were not in 12:26:54	13	to support this project. 12:28:09
14	the process of completion on February 11th; is that 12:26:59	14	Q. Okay. 12:28:10
15	right? 12:27:03	15	A. The schedule actually speaks to: 12:28:12
16	A. What I was trying to get to 12:27:04	16	Are they in the right order? Would they have been 12:28:14
17	here you are focusing on February 11th is that 12:27:05	17	in place prior to the commencement of the financing 12:28:17
18	if you look where Notice to Proceed was going to 12:27:08	18	plan? It looks like they would have been. 12:28:20
19	occur and the time period in which financial the 12:27:11	19	Q. Let's me ask you some more 12:28:22
20	financial close would have occurred, that this 12:27:13	20	questions because I think I understand that and 12:28:23
21	project would have been progressing to the point, if 12:27:16	21	maybe I'm being thrown off by the use of the word 12:28:25
22	not for the moratorium, it would progress to the 12:27:18	22	"status quo." 12:28:28
23	point where they would have secured and EPC 12:27:20	23	A. Maybe. 12:28:29
24 25	contractor and O&M contractor that would have 12:27:22	25	Q. But let me understand now 12:28:29
25	satisfied lenders. 12:27:28	25	condition number 5. You say on that page: 12:28:31
	Page 154		Page 155
1	"Equity is committed by the 12:28:34	1	the project. 12:29:27
2	private sponsors." 12:28:36	2	Q. Uh-hmm. 12:29:28
3	And you say your assessment is: 12:28:38	3	A. He was well he was willing and 12:29:29
4	"Based on my understanding of 12:28:47	4	committed. I think the word he used was 12:29:31
5			
_	Windstream's equity providers 12:28:47	5	"Committed". I can take a look at it but 12:29:33
6	Windstream's equity providers 12:28:47 ("Equity Providers"), they had the 12:28:47	5 6	"Committed". I can take a look at it but 12:29:33 Q. But I just want to understand 12:29:36
6 7			Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37
	("Equity Providers"), they had the 12:28:47	6 7 8	Q. But I just want to understand 12:29:36
7	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47	6 7 8 9	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39
7 8	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48	6 7 8 9	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41
7 8 9	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50	6 7 8 9 10	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41
7 8 9 10	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53	6 7 8 9 10 11	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41
7 8 9 10 11	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56	6 7 8 9 10 11 12	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41
7 8 9 10 11 12 13	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00	6 7 8 9 10 11 12 13	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43
7 8 9 10 11 12 13 14	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03	6 7 8 9 10 11 12 13 14	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50
7 8 9 10 11 12 13 14 15	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04	6 7 8 9 10 11 12 13 14 15	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52
7 8 9 10 11 12 13 14 15 16	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:04 statement there, there was two witness statements, 12:29:05	6 7 8 9 10 11 12 13 14 15 16	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57
7 8 9 10 11 12 13 14 15 16 17	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07	6 7 8 9 10 11 12 13 14 15 16 17	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03
7 8 9 10 11 12 13 14 15 16 17 18	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12	6 7 8 9 10 11 12 13 14 15 16 17 18	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05
7 8 9 10 11 12 13 14 15 16 17 18 19	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12 Q. Right. 12:29:13	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05 access to that capital market. 12:30:08
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12 Q. Right. 12:29:13 A. And Mr. Mars' statement he goes 12:29:14	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05 access to that capital market. 12:30:08 The best way to determine if they can 12:30:09
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12 Q. Right. 12:29:13 A. And Mr. Mars' statement he goes 12:29:14 into quite detail of the experience that the 12:29:16	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05 access to that capital market. 12:30:09 do that is track record of completed projects of 12:30:11
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12 Q. Right. 12:29:13 A. And Mr. Mars' statement he goes 12:29:14 into quite detail of the experience that the 12:29:16 investor group had in developing large scale 12:29:18	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05 access to that capital market. 12:30:09 do that is track record of completed projects of 12:30:11 a similar scale. 12:30:14
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12 Q. Right. 12:29:13 A. And Mr. Mars' statement he goes 12:29:14 into quite detail of the experience that the 12:29:16 investor group had in developing large scale 12:29:18 projects. And Mr. Ziegler, I think, the paragraph 12:29:22	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05 access to that capital market. 12:30:09 do that is track record of completed projects of 12:30:11 a similar scale. 12:30:14 So, if you look at Mr. Mars' witness 12:30:15
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	("Equity Providers"), they had the 12:28:47 track record and capacity to meet 12:28:47 Lender requirements to achieve 12:28:47 Financial Close as contemplated." 12:28:47 Now, I just want to understand the 12:28:48 basis because we looked at your scope of review 12:28:50 which listed for this report which listed some 12:28:53 witness statements, but in reaching the conclusion 12:28:56 that you did here, what you relied upon is just 12:29:00 those witness statements? 12:29:03 A. Correct for that particular 12:29:04 statement there, there was two witness statements, 12:29:05 one of Mr. Mars and let me just locate them, one 12:29:07 of Mr. Ziegler. 12:29:12 Q. Right. 12:29:13 A. And Mr. Mars' statement he goes 12:29:14 into quite detail of the experience that the 12:29:16 investor group had in developing large scale 12:29:18	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. But I just want to understand 12:29:36 then. That's what you relied you didn't look at 12:29:37 any financials; correct? 12:29:38 A. No, I relied on their 12:29:39 (Simultaneous speakers - unclear) 12:29:41 Q. Didn't look at any balance sheets? 12:29:41 A. I relied on their financial 12:29:41 statement. Most importantly though, I would say 12:29:41 my my opinion here is track record because in 12:29:43 terms of building large infrastructure projects like 12:29:50 this, the real challenge for investors is to be able 12:29:52 to access capital and place capital at the time in 12:29:57 which its needed, and to be able to use the 12:30:03 relationships they had in the capital markets to get 12:30:05 access to that capital market. 12:30:08 The best way to determine if they can 12:30:09 do that is track record of completed projects of 12:30:11 a similar scale. 12:30:14 So, if you look at Mr. Mars' witness 12:30:15

	Page 156		Page 157
1	multi-billion dollars infrastructure projects that 12:30:21	1	a similar size and scale? Granted they're not 12:31:17
2	are now in operations. 12:30:24	2	offshore wind projects, but do they have the type of 12:31:20
3	I would say it's safe to assume that 12:30:25	3	cost and schedule complexity as this project? 12:31:23
4	if they could raise the financing for those kinds of 12:30:29	4	Therefore, if you could do it for that 12:31:26
5	projects that have a different risk profile and, 12:30:31	5	kind of project, you should be able to do it for 12:31:28
6	frankly, from a revenue perspective much more 12:30:33	6	this project. 12:31:30
7	complex risk profile because there is no off-taker 12:30:37	7	BY MR. SPELLISCY: 12:31:32
8	for those kinds of projects, if you can raise equity 12:30:39	8	Q. Even with that track record, to be 12:31:32
9	and financing for those projects and, principally, 12:30:42	9	clear again, you did no investigation or due 12:31:34
10	that's with respect to equity, then you ought to be 12:30:46	10	diligence to review at all what they said in their 12:31:35
11	able to do it for a premium wind farm that has the 12:30:48	11	witness statements; correct? 12:31:38
12	Government of Ontario backing it up with a FIT 12:30:53	12	A. No, I relied on the witness 12:31:39
13	contract that's giving you 20 cents a kilowatt hour. 12:30:55	13	statements, as they were, just like I relied on the 12:31:41
14	That's effectively what this all tries to 12:30:57	14	reports in the same way. 12:31:44
15	PRESIDENT: Yes, just to correct 12:30:58	15	Q. So, your then conclusion is that 12:31:53
16	(Simultaneous speakers - unclear) 12:30:59	16	in the status quo scenario, you believe that if 12:31:57
17	THE WITNESS: (indiscernible) 12:30:59	17	Windstream's experts are to be believed or which 12:32:00
18	PRESIDENT: the transcript says 12:30:59	18	you did believe but based upon those assumptions 12:32:03
19	that you relied on the financial statements. You 12:31:00	19	and the statements of Mr. Mars and Mr. Ziegler, your 12:32:05
20	mean, you relied on the witness statements? 12:31:02	20	opinion is that they would be able to reach 12:32:08
21	THE WITNESS: The witness statements, 12:31:04	21	financial close in accordance with the FIT contract; 12:32:10
22	correct. And what I was trying to point out that 12:31:04	22	I understand then? 12:32:13
23	within the witness statements, what I was focusing 12:31:08	23	A. I don't have any doubt. I mean 12:32:15
24	on most importantly was track record. Are they able 12:31:10	24	there are other factors at play beyond just that, 12:32:16
25	to take projects from commencement to operations of 12:31:14	25	and the ones I would want to point out is again, the 12:32:21
	Page 158		Page 159
1	•	1	-
1 2	premium nature of the project. Partners and 12:32:23	1 2	where you say right under table 1 where you say: 12:33:28
	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26	1	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33
2	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28	2	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35
2	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30	2	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36
2 3 4	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32	2 3 4	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39
2 3 4 5	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34	2 3 4 5	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40
2 3 4 5 6	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37	2 3 4 5 6	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43
2 3 4 5 6 7	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41	2 3 4 5 6 7	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46
2 3 4 5 6 7 8	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43	2 3 4 5 6 7 8	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49
2 3 4 5 6 7 8 9	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43	2 3 4 5 6 7 8	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50
2 3 4 5 6 7 8 9	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46	2 3 4 5 6 7 8 9	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51
2 3 4 5 6 7 8 9 10	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46	2 3 4 5 6 7 8 9 10	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50
2 3 4 5 6 7 8 9 10 11	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49	2 3 4 5 6 7 8 9 10 11	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52
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2 3 4 5 6 7 8 9 10 11 12 13 14	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49 It's power being bought. Every kilowatt hour. 12:32:52	2 3 4 5 6 7 8 9 10 11 12 13	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54
2 3 4 5 6 7 8 9 10 11 12 13 14 15	premium nature of the project. Partners and 12:32:23 investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54	2 3 4 5 6 7 8 9 10 11 12 13 14 15	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54 it with the reasonable expectation 12:33:55
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	premium nature of the project. Partners and investors are always interested in projects there in 12:32:26 are significant premium because they are looking to in 12:32:28 build up their own credentials. In 12:32:30 In 12:32:32 In 12:32:32 In 12:32:32 In In 12:32:32 In In 12:32:34 In 12:32:34 In 12:32:34 In	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54 it with the reasonable expectation 12:33:55 that commercial operation delivery or commercial 12:33:57
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	premium nature of the project. Partners and investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54 of Ontario and then the profile of the investors on 12:32:58 this project, I don't doubt for a single moment that 12:33:00	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54 it with the reasonable expectation 12:33:57 operation date would have been achieved. 12:33:58
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	premium nature of the project. Partners and investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49 It's power being bought. Every kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54 of Ontario and then the profile of the investors on 12:32:58 this project, I don't doubt for a single moment that 12:33:00 they could have gotten financial close. 12:33:02	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:55 that commercial operation delivery or commercial 12:33:57 operation date would have been achieved. 12:33:58 And I'm a little bit confused by that 12:34:02
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	premium nature of the project. Partners and investors are always interested in projects there 12:32:26 are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49 It's power being bought. Every kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54 of Ontario and then the profile of the investors on 12:32:58 this project, I don't doubt for a single moment that 12:33:00 they could have gotten financial close. 12:33:04	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:55 that commercial operation delivery or commercial 12:33:57 operation date would have been achieved. 12:33:58 And I'm a little bit confused by that 12:34:02 last of the part of the sentence because earlier we 12:34:03
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	premium nature of the project. Partners and investors are always interested in projects there are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49 It's power being bought. Every kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54 of Ontario and then the profile of the investors on 12:32:58 this project, I don't doubt for a single moment that 12:33:00 they could have gotten financial close. 12:33:04 a moment. Can I ask you: Are you familiar with the 12:33:05	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54 it with the reasonable expectation 12:33:57 operation date would have been achieved. 12:33:58 And I'm a little bit confused by that 12:34:02 last of the part of the sentence because earlier we 12:34:03 had looked at your disclaimer, where you said you 12:34:05
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	premium nature of the project. Partners and investors are always interested in projects there are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49 It's power being bought. Every kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54 of Ontario and then the profile of the investors on 12:32:58 this project, I don't doubt for a single moment that 12:33:00 they could have gotten financial close. 12:33:04 a moment. Can I ask you: Are you familiar with the 12:33:05 Cape Wind project? 12:33:09	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54 it with the reasonable expectation 12:33:55 that commercial operation delivery or commercial 12:33:57 operation date would have been achieved. 12:33:58 And I'm a little bit confused by that 12:34:02 last of the part of the sentence because earlier we 12:34:03 had looked at your disclaimer, where you said you 12:34:05 offered no opinion whatsoever on the technical 12:34:08
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	premium nature of the project. Partners and investors are always interested in projects there are significant premium because they are looking to 12:32:28 build up their own credentials. 12:32:30 This is an offshore wind project in 12:32:32 Ontario. It's very large. It was at the beginning 12:32:34 prior to the moratorium, to a very significant 12:32:37 policy commitment that the province was looking to 12:32:41 undertake. 12:32:43 Then we have the FIT contract. It's 12:32:43 very generous in the sense that it provides you 12:32:46 contract upfront. 12:32:48 You've got 20 cents a kilowatt hour. 12:32:49 It's power being bought. Every kilowatt hour. 12:32:52 Every volume, all the volume powered by the Province 12:32:54 of Ontario and then the profile of the investors on 12:32:58 this project, I don't doubt for a single moment that 12:33:00 they could have gotten financial close. 12:33:04 a moment. Can I ask you: Are you familiar with the 12:33:05 Cape Wind project? 12:33:09 A. Vaguely, and I didn't review that 12:33:10	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	where you say right under table 1 where you say: 12:33:28 "In consideration" 12:33:33 You say: 12:33:35 "it is my conclusion" 12:33:36 I think you just went through that 12:33:39 conclusion there. But I want to ask another 12:33:40 question on that's on financial close, but I want 12:33:43 to ask another question which is on the last half of 12:33:46 that sentence you say: 12:33:49 "In consideration, it is my 12:33:50 conclusion" 12:33:51 If you read down: 12:33:52 "That the project would have been 12:33:53 able to achieve" 12:33:54 it with the reasonable expectation 12:33:55 that commercial operation delivery or commercial 12:33:57 operation date would have been achieved. 12:33:58 And I'm a little bit confused by that 12:34:02 last of the part of the sentence because earlier we 12:34:03 had looked at your disclaimer, where you said you 12:34:08 schedules that were presented, but here you seem to 12:34:10

		1	
	Page 160		Page 161
1	taken into context the timelines that are in this 12:34:19	1	And in the comment, the URS report is saying: 12:35:39
2	schedule, the profile of the project, the profile of 12:34:23	2	"As discussed in Section 6" 12:35:43
3	the investors and the fact that the FIT contract in 12:34:26	3	which is an engineering section, 12:35:46
4	and of itself offers you 18 months of this is the 12:34:28	4	I guess: 12:35:47
5	supplier delay date, there was an additional 18 12:34:31	5	" it is unlikely (they) would 12:35:48
6	months available that all of those factors, 12:34:38	6	have been about able to meet the 12:35:49
7	basically contribute to making the project 12:34:41	7	deadlines imposed by the FIT 12:35:51
8	finance-able. 12:34:44	8	contract." 12:35:53
9	Q. But this is a question, you said 12:34:45	9	And your response is: 12:35:54
10	there's a reasonable expectation that COD would have 12:34:48	10	"I disagree. Sufficient time as 12:35:55
11	been achieved as scheduled; is that not what you 12:34:51	11	time was available to meet the FIT 12:35:57
12	wrote? 12:34:55	12	contract deadlines" 12:35:58
13	And I'm just wondering the basis for 12:34:55	13	So, I take it you agree with me now, 12:35:59
14	that since you said you accepted the technical 12:34:57	14	that it was probably better that you didn't reach 12:36:00
15	reports without making any judgment whatsoever. 12:34:59	15	that conclusion, correct? 12:36:03
16	A. It might have been better to limit 12:35:03	16	A. No. In the context of FIT 12:36:05
17	it just at a financial close. 12:35:07	17	contract is getting to the financial close. That's 12:36:06
18	Q. Okay, can we go to page 11 in your 12:35:09	18	my lens here, right. And response 1.2 in the 12:36:07
19	second report this time? 12:35:14	19	revised timeline, I think get to that. 12:36:11
20	A. Yes. 12:35:16	20	Q. Well, again, Mr. Bucci, we can 12:36:13
21	Q. And I want to look at your 12:35:21	21	look back as response 1.2, but it's exactly the same 12:36:15
22	response to URS report comment, 247. And it is your 12:35:24	22	language that we just read. 12:36:19
23	response 18 and the URS comment 12:35:32	23	A. And the points I just made, 12:36:21
24	A. Sorry 24 12:35:36	24	take-or-pay contract, favourable by capital markets 12:36:23
25	Q. Right at the very bottom there. 12:35:37	25	conditions. Again, I'm looking at this from 12:36:28
	Page 162		Page 163
1		1	•
1 2	a financial perspective and what I'm saying is the 12:36:30	1 2	something to qualify in that statement. I take that 12:37:27
	a financial perspective and what I'm saying is the 12:36:30 FIT contract deadlines, that I think that they would 12:36:33		something to qualify in that statement. I take that 12:37:27 as a fair point. 12:37:30
2	a financial perspective and what I'm saying is the 12:36:30 FIT contract deadlines, that I think that they would 12:36:33 have been able to achieve financial close within the 12:36:37	2	something to qualify in that statement. I take that 12:37:27 as a fair point. 12:37:30 Q. Okay. 12:37:31
2	a financial perspective and what I'm saying is the 12:36:30 FIT contract deadlines, that I think that they would 12:36:33 have been able to achieve financial close within the 12:36:37 timelines set within the FIT contract. 12:36:39	2 3	something to qualify in that statement. I take that 12:37:27 as a fair point. 12:37:30 Q. Okay. 12:37:31 A. And, again, when I'm looking to 12:37:31
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2 3 4 5	a financial perspective and what I'm saying is the 12:36:30 FIT contract deadlines, that I think that they would 12:36:33 have been able to achieve financial close within the 12:36:37 timelines set within the FIT contract. 12:36:39 Q. So your comment there is when you 12:36:42 said, "Sufficient time was available to meet the FIT 12:36:45 contract deadlines," you weren't commenting on the 12:36:47	2 3 4 5 6	something to qualify in that statement. I take that 12:37:27 as a fair point. 12:37:30 Q. Okay. 12:37:31 A. And, again, when I'm looking to 12:37:31 the Sgurr report, the WSP report, the Baird Reports, 12:37:33 I'm kind of putting a lender's hat on it to say: Is 12:37:36 there enough information? Is the level of these 12:37:40
2 3 4 5 6 7	a financial perspective and what I'm saying is the 12:36:30 FIT contract deadlines, that I think that they would 12:36:33 have been able to achieve financial close within the 12:36:37 timelines set within the FIT contract. 12:36:39 Q. So your comment there is when you 12:36:42 said, "Sufficient time was available to meet the FIT 12:36:45 contract deadlines," you weren't commenting on the 12:36:47 technical schedule? 12:36:50	2 3 4 5 6 7	something to qualify in that statement. I take that 12:37:27 as a fair point. 12:37:30 Q. Okay. 12:37:31 A. And, again, when I'm looking to 12:37:31 the Sgurr report, the WSP report, the Baird Reports, 12:37:33 I'm kind of putting a lender's hat on it to say: Is 12:37:36 there enough information? Is the level of these 12:37:40 reports sufficient enough to support a financing? 12:37:42
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2 3 4 5 6 7 8 9 10 11	a financial perspective and what I'm saying is the 12:36:30 FIT contract deadlines, that I think that they would 12:36:33 have been able to achieve financial close within the 12:36:37 timelines set within the FIT contract. 12:36:39 Q. So your comment there is when you 12:36:42 said, "Sufficient time was available to meet the FIT 12:36:45 contract deadlines," you weren't commenting on the 12:36:47 technical schedule? 12:36:50 A. No. 12:36:51 Q. Can we go to the next comment that 12:36:52 you have there, which is in response to 248. It's 12:36:54 over on the next page, page 12. And I take it your 12:36:58	2 3 4 5 6 7 8 9 10 11	something to qualify in that statement. I take that 12:37:27 as a fair point. 12:37:30 Q. Okay. 12:37:31 A. And, again, when I'm looking to 12:37:31 the Sgurr report, the WSP report, the Baird Reports, 12:37:33 I'm kind of putting a lender's hat on it to say: Is 12:37:36 there enough information? Is the level of these 12:37:40 reports sufficient enough to support a financing? 12:37:42 Q. But the lenders would have their 12:37:44 own technical advisors who would be reviewing it? 12:37:45 A. Correct. Do due diligence over 12:37:48 and above that. 12:37:49
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	Page 164		Page 165
1	A. Shall we put the slide up? 12:38:14	1	May 22nd date then doesn't become relevant; correct? 12:39:18
2	Q. Donnie, if you can. Can you put 12:38:16	2	A. Are we in an environment where 12:39:23
3	the slide up? Slide number 8. If you have it we 12:38:17	3	there is no moratorium? 12:39:25
4	don't have the PowerPoint of it so 12:38:19	4	Q. We are talking about a but-for, 12:39:26
5	A. Sorry. 12:38:19	5	yes. A counter-factual scenario where the project 12:39:28
6	Q. I'll ask, for once, Donnie is able 12:38:35	6	begins construction on February the 11th, 2011. 12:39:32
7	to help us. 12:38:35	7	In that case, we will assume that the 12:39:35
8	MS. SQUIRES: Unprecedent event. 12:38:35	8	project comes out of force majeure on February 11th, 12:39:37
9	MR. SPELLISCY: So here's the slide, 12:38:35	9	2011? 12:39:42
10	so that I understand. 12:38:37	10	MR. TERRY: Sorry, I didn't want to 12:39:44
11	Now your conclusion, based on this, is 12:38:40	11	interrupt, but you said "begins construction" 12:39:45
12	that the project became unfinanceable as of 12:38:42	12	BY MR. SPELLISCY: 12:39:47
13	May 22nd, 2012. 12:38:46	13	Q. Sorry. Begins development again. 12:39:48
14	Because at that point it would have 12:38:49	14	Thank you. That the project presumes on 12:39:48
15	gone through 18 months of force majeure already. We 12:38:52	15	February 11th, 2011, so they are out of force 12:39:53
16	have another six months that would count against 12:38:55	16	majeure by that point, we're assuming. 12:39:56
17	that for the MCOD extension for the ERT approval 12:38:58	17	In that scenario, my question is: Is 12:39:58
18	which would be 24 months, which would mean the 12:39:02	18	May 22nd a relevant date anymore? 12:40:00
19	project would be unfinanceable. I understand 12:39:05	19	A. If we're no longer talking about 12:40:02
20	that's your opinion; right? 12:39:07	20	the moratorium being in place, I think the purpose 12:40:04
21	A. Yes. 12:39:08	21	of this timeline was simply trying to get to the 12:40:07
22	Q. I'm with you on that, but you 12:39:09	22	point where the date and time in which we believe 12:40:09
23	would agree with me, would you not, that if the 12:39:11	23	the project was no longer finance-able. 12:40:13
24	Claimant was not in a period of force majeure for 12:39:13	24	If there is no moratorium, then maybe 12:40:15
25	those 18 months at the very beginning, that the 12:39:15	25	I'm just a bit confused why 12:40:17
	Page 166		Page 167
	Page 166		Page 167
1	Q. No, I understand your point. My 12:40:19	1	you would have started the development of the 12:41:21
2	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21	2	you would have started the development of the project going back to 2010. 12:41:21
2	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25	2 3	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25
2 3 4	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27	2 3 4	you would have started the development of the 12:41:21 project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26
2 3 4 5	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31	2 3 4 5	you would have started the development of the 12:41:21 project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30
2 3 4 5 6	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33	2 3 4 5	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32
2 3 4 5 6 7	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33 your timeline; is that right? 12:40:37	2 3 4 5 6 7	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32 in Figure 1. 12:41:36
2 3 4 5 6 7 8	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33 your timeline; is that right? 12:40:37 A. Within the context of 12:40:40	2 3 4 5 6 7 8	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32 in Figure 1. 12:41:36 This was prepared as a representation 12:41:39
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2 3 4 5 6 7 8 9 10	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33 your timeline; is that right? 12:40:37 A. Within the context of 12:40:40 a moratorium. 12:40:41 Q. No, there is no moratorium in this 12:40:44 counter factual, Mr. Bucci. 12:40:45	2 3 4 5 6 7 8 9 10	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32 in Figure 1. 12:41:36 This was prepared as a representation 12:41:39 of a timeline, my understanding is, based on the 12:41:40 impacts of the moratorium. Without the moratorium, 12:41:45 the project would have been from the I mean 12:41:48
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2 3 4 5 6 7 8 9 10 11 12 13 14	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33 your timeline; is that right? 12:40:37 A. Within the context of 12:40:40 a moratorium. 12:40:41 Q. No, there is no moratorium in this 12:40:44 counter factual, Mr. Bucci. 12:40:45 A. Right. 12:40:48 Q. And this, as well, is based on the 12:40:53 revised schedule that assumes the project picks up 12:40:55 on February 11th going forward? 12:40:58	2 3 4 5 6 7 8 9 10 11 12	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32 in Figure 1. 12:41:36 This was prepared as a representation 12:41:39 of a timeline, my understanding is, based on the 12:41:40 impacts of the moratorium. Without the moratorium, 12:41:45 the project would have been from the I mean 12:41:48 from the time that they got the contract on May 4th, 12:41:50 2010, they would have been executing their project. 12:41:53 So, without the moratorium, I wouldn't 12:41:57 be using these timelines. 12:41:59
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33 your timeline; is that right? 12:40:37 A. Within the context of 12:40:40 a moratorium. 12:40:41 Q. No, there is no moratorium in this 12:40:44 counter factual, Mr. Bucci. 12:40:45 A. Right. 12:40:48 Q. And this, as well, is based on the 12:40:53 revised schedule that assumes the project picks up 12:40:55 on February 11th going forward? 12:40:58 A. Yes it does. 12:41:00 Q. And that's 12:41:01	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32 in Figure 1. 12:41:36 This was prepared as a representation 12:41:39 of a timeline, my understanding is, based on the 12:41:40 impacts of the moratorium. Without the moratorium, 12:41:45 the project would have been from the I mean 12:41:48 from the time that they got the contract on May 4th, 12:41:50 2010, they would have been executing their project. 12:41:53 So, without the moratorium, I wouldn't 12:41:57 be using these timelines. 12:41:59 Q. You are aware that the force 12:42:00 majeure notice was filed in December of 2010? 12:42:01
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. No, I understand your point. My 12:40:19 point is to clarify that you would agree that if, in 12:40:21 fact, the project was able to leave force majeure on 12:40:25 February 11th, 2011 so it was no longer in, so we 12:40:27 don't have those 18 months at the beginning, that 12:40:31 the May 22nd date no longer has any significance in 12:40:33 your timeline; is that right? 12:40:37 A. Within the context of 12:40:40 a moratorium. 12:40:41 Q. No, there is no moratorium in this 12:40:44 counter factual, Mr. Bucci. 12:40:45 A. Right. 12:40:48 Q. And this, as well, is based on the 12:40:53 revised schedule that assumes the project picks up 12:40:55 on February 11th going forward? 12:40:58 A. Yes it does. 12:41:00 Q. And that's 12:41:01 A. That's right. 12:41:03	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	you would have started the development of the project going back to 2010. 12:41:23 I don't know why I would be looking 12:41:25 at it that way. Like what I would say that if there 12:41:26 wasn't a moratorium, the project would have been on 12:41:30 a track similar to what was depicted in the schedule 12:41:32 in Figure 1. 12:41:36 This was prepared as a representation 12:41:39 of a timeline, my understanding is, based on the 12:41:40 impacts of the moratorium. Without the moratorium, 12:41:45 the project would have been from the I mean 12:41:48 from the time that they got the contract on May 4th, 12:41:50 2010, they would have been executing their project. 12:41:53 So, without the moratorium, I wouldn't 12:41:57 be using these timelines. 12:42:00 majeure notice was filed in December of 2010? 12:42:01 A. I'm sorry, yes. 12:42:05
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1	February 11th, 2011; correct? 12:42:14	1	difficult there. 12:42:57
2	A. Yes. 12:42:16	2	Q. Trust me, if you had heard us 12:42:59
3	Q. So in December, 2010, they filed 12:42:16	3	trying to wrap our heads around it 12:43:00
4	their force majeure notice. There is no moratorium 12:42:18	4	A. No, I understand. 12:43:02
5	yet. 12:42:21	5	Q. Give me one second. 12:43:05
6	A. Right. But I think what I'm 12:42:22	6	[Counsel confer] 12:43:09
7	trying to say is if we're trying to compare this 12:42:23	7	BY MR. SPELLISCY: 12:43:13
8	schedule 12:42:26	8	Q. I have no more questions. Thank 12:43:15
9	Q. Uh-hmm. 12:42:27	9	you. 12:43:16
10	A which is looking at the 12:42:27	10	PRESIDENT: Thank you very much, 12:43:20
11	impacts of the moratorium, versus the project 12:42:29	11	Mr. Spelliscy. 12:43:20
12	without the moratorium, is that where you are trying 12:42:32	12	Any questions on redirect? You need 12:43:22
13	to go? Maybe I'm misinterpreting your question. 12:42:34	13	to gather your thoughts? 12:43:25
14	Q. The question is: If the moratorium 12:42:38	14	MR. TERRY: Nothing from us. 12:43:27
15	was not imposed on February the 11th, 2011, and in 12:42:39	15	PRESIDENT: Anything from members of 12:43:28
16	fact they were able to continue project 12:42:46	16	the Tribunal? No questions from the members of the 12:43:28
17	development 12:42:48	17	Tribunal. So, you are released. Thank you very 12:43:31
18	A. Right. 12:42:49	18	much. 12:43:35
19	Q the May 22nd date that you 12:42:49	19	Now one of the members of the tribunal 12:43:38
20	have 12:42:51	20	has a commitment at 1:30, so we were planning to 12:43:40
21	A. Right. 12:42:51	21	continue until one o'clock. We have two options: 12:43:43
22	Q is no longer relevant; right? 12:42:52	22	We could have the presentation of the next expert 12:43:46
23	A. Correct. Yes. 12:42:54	23	and break for lunch at one o'clock or thereabouts or 12:43:48
24	Q. Thank you. 12:42:54	24	we have a longer lunch break until around 12:43:52
25	A. Sorry, I didn't mean to be 12:42:56	25	two o'clock. 12:43:53
	Page 170		Page 171
1	•	1	•
1 2	MR. TERRY: I think 12:43:57	1 2	Anthony Aukland. 13:57:47
2	MR. TERRY: I think 12:43:57 PRESIDENT: We are in the hands of the 12:43:58	2	Anthony Aukland. 13:57:47 I solemnly declare upon my honour and 13:57:49
	MR. TERRY: I think 12:43:57 PRESIDENT: We are in the hands of the 12:43:58 parties. 12:43:59	2 3	Anthony Aukland. 13:57:47 I solemnly declare upon my honour and 13:57:49 conscience that my evidence and my opinions will be 13:57:52
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	Page 172		Page 173
1	there seems to be a formatting issue in the 13:59:16	1	Financers: ABN, AMBRO, Barclays, 14:00:35
2	presentation. 13:59:23	2	GlobalJoin, Masdar 14:00:42
3	It was designed for a wider screen. 13:59:24	3	This is only a sample of the 400, but 14:00:43
4	Is it possible to we've got a word 13:59:25	4	I wanted to show you just how extensive our coverage 14:00:43
5	wrap issue here. It's all down the left. 13:59:33	5	is. 14:00:48
6	PRESIDENT: Well, the hard copy looks 13:59:37	6	Turbines: All the main players. 14:00:48
7	fine so 13:59:39	7	Vessels and installation: Market 14:00:48
8	THE WITNESS: Okay. In that case, 13:59:41	8	leader A2Sea, EPC, Van Oord, Pioneer, MPI. 14:00:51
9	I would prefer to have it how it was a minute ago, 13:59:42	9	Cables and transmission: All the main 14:00:58
10	if that's okay. We'll leave it at that. I get 13:59:44	10	players. 14:01:01
11	fussy with esthetics. 13:59:48	11	The main installers: VBMS. 14:01:01
12	So we have a range of customers from 13:59:54	12	Foundations: Market leader, Bladts. 14:01:06
13	all across the supply chain from turbine supplies, 13:59:56	13	All the other players. Designer, 14:01:10
14	governments, all the way down to nuts and bolts and 14:00:01	14	COWI, Bilfinger. 14:01:10
15	paint. 14:00:05	15	And then operations and maintenance: 14:01:14
16	For example. 14:00:05	16	Helicopters, workboat suppliers, and big 14:01:14
17	Government and Regulators: We have 14:00:06	17	transmission operators such as Elia, and National 14:01:14
18	the Office of Gas/Electricity Markets in the UK, US 14:00:07	18	Grid should also be on there. 14:01:24
19	NREL Laboratory, and the European Environmental 14:00:12	19	For Wolfe Island Shoals, we provided 14:01:29
20	Agency. 14:00:17	20	detailed analysis of the project costs for 14:01:30
21	In terms of advisors: We have Boston 14:00:17	21	Windstream under these eight headings, which I will 14:01:33
22	Consulting Group, Grant Thornton, KPMG, McKinsey. 14:00:19	22	delve into on the way through this presentation. 14:01:37
23	Developers: Market Leader, DONG, RWE, 14:00:26	23	Before I move forward, yesterday we 14:01:42
24	Scottish Power, Vattenfall, Canadian Northland and 14:00:30	24	saw a graph presented to us which showed the by 14:01:45
25	Canadian Enbridge. 14:00:34	25	URS, which showed accumulative frequency 14:01:55
		-	
	Page 174		Page 175
1	distribution of the time between a project receiving 14:02:00	1	budget. 14:03:14
2	consent and that project entering commercial 14:02:03	2	So you could easily spend eight years, 14:03:14
3	operations. 14:02:06	3	five years, maybe just two years in waiting for 14:03:17
4	Now, to my mind, that chart is 14:02:07	4	1.00.10
5			an opportunity to secure revenue before you can move 14:03:19
	misleading and incorrect interpretations could be 14:02:10	5	forward and build your project. 14:03:22
6	drawn from it. And inferences were made from that 14:02:14	6	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24
7	drawn from it. And inferences were made from that 14:02:14 chart as to the credibility of any possible 14:02:17	6 7	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24 regimes all over the world in different countries. 14:03:26
	drawn from it. And inferences were made from that 14:02:14 chart as to the credibility of any possible 14:02:17 schedules for the project. 14:02:21	6	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24 regimes all over the world in different countries. 14:03:26 So, a fairer point of measure to use 14:03:28
7 8 9	drawn from it. And inferences were made from that 14:02:14 chart as to the credibility of any possible 14:02:17 schedules for the project. 14:02:21 Now, the reason I say this is because 14:02:23	6 7 8 9	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24 regimes all over the world in different countries. 14:03:26 So, a fairer point of measure to use 14:03:28 is to use the point at which a project reaches 14:03:33
7 8 9 10	drawn from it. And inferences were made from that 14:02:14 chart as to the credibility of any possible 14:02:17 schedules for the project. 14:02:21 Now, the reason I say this is because 14:02:23 a project having consent is not related to when it 14:02:26	6 7 8 9	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24 regimes all over the world in different countries. 14:03:26 So, a fairer point of measure to use 14:03:28 is to use the point at which a project reaches financial close. Because at that point, it has 14:03:35
7 8 9 10 11	drawn from it. And inferences were made from that 14:02:14 chart as to the credibility of any possible 14:02:17 schedules for the project. 14:02:21 Now, the reason I say this is because 14:02:23 a project having consent is not related to when it 14:02:26 reaches its commercial operation dates. 14:02:31	6 7 8 9 10 11	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24 regimes all over the world in different countries. 14:03:26 So, a fairer point of measure to use 14:03:28 is to use the point at which a project reaches 14:03:33 financial close. Because at that point, it has 14:03:35 reached a decision to move forward. 14:03:39
7 8 9 10 11 12	drawn from it. And inferences were made from that 14:02:14 chart as to the credibility of any possible 14:02:17 schedules for the project. 14:02:21 Now, the reason I say this is because 14:02:23 a project having consent is not related to when it 14:02:26 reaches its commercial operation dates. 14:02:31 All — the only thing we can say is 14:02:34	6 7 8 9 10 11	forward and build your project. 14:03:22 That's just the UK. There's different 14:03:24 regimes all over the world in different countries. 14:03:26 So, a fairer point of measure to use 14:03:28 is to use the point at which a project reaches 14:03:33 financial close. Because at that point, it has 14:03:35 reached a decision to move forward. 14:03:39 The developers will push the big green 14:03:41
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	Page 176		Page 177
1	timeline. 14:04:26	1	testimony, so I won't go into detail. I will touch 14:05:45
2	So we have forecast COD at 30 months. 14:04:27	2	on these as we go through and there is a basic 14:05:46
3	That's an error. I believe I was given the data by 14:04:30	3	design of the project that we were provided with. 14:05:48
4	somebody else. I believe that should be a 27 and 14:04:34	4	The first thing we'll look at is wind 14:05:51
5	their supplier default line above that. 14:04:37	5	turbine supply and installation. 14:05:54
6	So what this graph shows is those 14:04:41	6	Now, at 4C Offshore we collect 14:06:02
7	projects below the orange line, okay, are completing 14:04:42	7	information in different ways. We are 14:06:05
8	within that period, and those projects below the red 14:04:47	8	well-connected with a supply chain, so for this work 14:06:06
9	line are completing that period, and there is eight 14:04:50	9	we we discussed contacted two supply 14:06:09
10	projects competing completing above. 14:04:54	10	companies, Senvion and SeaJacks and to obtain a cost 14:06:15
11	And I those projects, I should say, 14:04:57	11	per megawatt from them. And we also consulted a 14:06:23
12	I'm not making any comparability to Wolfe Shoals 14:05:01	12	third party report, the Fichtner Prognos and the BVG 14:06:25
13	here, I am just simply saying they are different 14:05:06	13	Associates one, and I have to report an error in my 14:06:29
14	projects, of different sizes, different locations. 14:05:10	14	original reports that I provided. There's a correct 14:06:34
15	Riffgat is duplicated on there. I'll point out that 14:05:11	15	I've made since then. 14:06:36
16	error. 14:05:15	16	I've been reviewing the data recently. 14:06:38
17	One observation that I will make 14:05:16	17	I noticed that the 2012 and 2013, the two bottom 14:06:41
18	before I move on is that the three projects which 14:05:17	18	lines on that chart, did not include the tower in my 14:06:43
19	took the longest on that chart to reach commercial 14:05:19	19	original estimate, so I have provided that there in 14:06:46
20	operations, they actually finished their building 14:05:20	20	the 1.95 and the 201. 14:06:49
21	long before that date. They sat around waiting for 14:05:23	21	However, also I have been researching 14:06:57
22	a grid connection to actually connect so they had 14:05:26	22	further on this topic, and in 2010 the Conference 14:07:00
23	nowhere to export their power to. Okay. 14:05:29	23	Board of Canada published a report that was two 14:07:02
24	Cost advantages of Wolfe Island 14:05:40	24	months before February 2011 moratorium. 14:07:08
25	Shoals, this has been touched on by other peoples' 14:05:41	25	In that report, which was funded by 14:07:13
		1	
	D 170		D 170
	Page 178		Page 179
1	Vestas, a leading turbine manufacturer, they looked 14:07:17	1	up with range of nor .71 to nor .77 million, which 14:08:43
1 2	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21	1 2	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48
	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26		up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53
2 3 4	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33	2	up with range of nor .71 to nor .77 million, which is we've chosen the lower end of this range in doing research based on the fact that this lower cost functional jack-up type system is voted to be 14:08:53
2 3 4 5	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34	2	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00
2 3 4 5	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40	2 3 4 5 6	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03
2 3 4 5 6 7	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40 time, at the right location, by credible people. So 14:07:42	2 3 4 5 6 7	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03 projects in like the North Sea and the costs of the 14:09:07
2 3 4 5 6 7 8	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40 time, at the right location, by credible people. So 14:07:42 I think that backs up my original conclusions along 14:07:45	2 3 4 5 6 7 8	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03 projects in like the North Sea and the costs of the 14:09:07 more expensive vessels. 14:09:11
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40 time, at the right location, by credible people. So 14:07:42 I think that backs up my original conclusions along 14:07:45 with our discussions with the supply chain of using 14:07:49 1.61 million per megawatt. 14:07:52 So oh, incidentally, see that 14:07:58 vessel there, that's Seajacks. They install a lot 14:08:01 of Siemens turbines. 14:08:05 Some more pictures, quickly. That's 14:08:12 a first generation turbine installation vessel on 14:08:12 the top left. That is considered old and outdated 14:08:15 these days. 14:08:18 And top right, this is a lower cost 14:08:19 jack-up with minimal features. This is not powered 14:08:21 vessel. This is a cheap, in quotes, "vessel" that 14:08:24	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03 projects in like the North Sea and the costs of the 14:09:07 more expensive vessels. 14:09:11 And URS concurs with our costs on 14:09:13 that. I will highlight where URS agrees throughout 14:09:16 the course of this. 14:09:19 And foundation design, supply and 14:09:23 installation. Okay. We need take a more analytical 14:09:26 approach here because there is more information 14:09:35 available in the public domain. 14:09:37 We took the design provided by COWI, 14:09:38 and we calculated the likely weights at different 14:09:42 water depths using a regression model, and we're 14:09:47 able to use make estimates from the weight as to 14:09:51 their relative total costs of the structures. And 14:09:55
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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	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40 time, at the right location, by credible people. So 14:07:42 I think that backs up my original conclusions along 14:07:45 with our discussions with the supply chain of using 14:07:49 1.61 million per megawatt. 14:07:52 So oh, incidentally, see that 14:07:58 vessel there, that's Seajacks. They install a lot 14:08:01 of Siemens turbines. 14:08:05 Some more pictures, quickly. That's 14:08:12 a first generation turbine installation vessel on 14:08:12 the top left. That is considered old and outdated 14:08:15 these days. 14:08:18 And top right, this is a lower cost 14:08:19 jack-up with minimal features. This is not powered 14:08:21 vessel. This is a cheap, in quotes, "vessel" that 14:08:28 by a tug carrying a tower to another one of these 14:08:33	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03 projects in like the North Sea and the costs of the 14:09:07 more expensive vessels. 14:09:11 And URS concurs with our costs on 14:09:13 that. I will highlight where URS agrees throughout 14:09:16 the course of this. 14:09:19 And foundation design, supply and 14:09:23 installation. Okay. We need take a more analytical 14:09:26 approach here because there is more information 14:09:37 We took the design provided by COWI, 14:09:38 and we calculated the likely weights at different 14:09:42 water depths using a regression model, and we're 14:09:51 their relative total costs of the structures. And 14:09:55 we suggested, in terms of supply, 321 million, and 14:09:59 which URS agreed with. 14:10:05
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40 time, at the right location, by credible people. So 14:07:42 I think that backs up my original conclusions along 14:07:45 with our discussions with the supply chain of using 14:07:49 1.61 million per megawatt. 14:07:52 So oh, incidentally, see that 14:07:58 vessel there, that's Seajacks. They install a lot 14:08:01 of Siemens turbines. 14:08:05 Some more pictures, quickly. That's 14:08:12 a first generation turbine installation vessel on 14:08:12 the top left. That is considered old and outdated 14:08:15 these days. 14:08:18 And top right, this is a lower cost 14:08:19 jack-up with minimal features. This is not powered 14:08:21 vessel. This is a cheap, in quotes, "vessel" that 14:08:28 by a tug carrying a tower to another one of these 14:08:33 with a crane on it. 14:08:36	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03 projects in like the North Sea and the costs of the 14:09:07 more expensive vessels. 14:09:11 And URS concurs with our costs on 14:09:13 that. I will highlight where URS agrees throughout 14:09:16 the course of this. 14:09:19 And foundation design, supply and 14:09:23 installation. Okay. We need take a more analytical 14:09:26 approach here because there is more information 14:09:35 available in the public domain. 14:09:37 We took the design provided by COWI, 14:09:38 and we calculated the likely weights at different 14:09:42 water depths using a regression model, and we're 14:09:47 able to use make estimates from the weight as to 14:09:55 we suggested, in terms of supply, 321 million, and 14:09:59 which URS agreed with. 14:10:05 In terms of design, we communicated 14:10:06
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Vestas, a leading turbine manufacturer, they looked 14:07:17 at the Canadian market context and they looked at 14:07:21 the costs for developing a 300-megawatt project, 14:07:26 Wolfe Island Shoals, and their conclusion was 14:07:33 a turbine supply cost of 1.61 million per megawatt. 14:07:34 So, this study was done at the right 14:07:40 time, at the right location, by credible people. So 14:07:42 I think that backs up my original conclusions along 14:07:45 with our discussions with the supply chain of using 14:07:49 1.61 million per megawatt. 14:07:52 So oh, incidentally, see that 14:07:58 vessel there, that's Seajacks. They install a lot 14:08:01 of Siemens turbines. 14:08:05 Some more pictures, quickly. That's 14:08:12 a first generation turbine installation vessel on 14:08:12 the top left. That is considered old and outdated 14:08:15 these days. 14:08:18 And top right, this is a lower cost 14:08:19 jack-up with minimal features. This is not powered 14:08:21 vessel. This is a cheap, in quotes, "vessel" that 14:08:28 by a tug carrying a tower to another one of these 14:08:33	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	up with range of nor .71 to nor .77 million, which 14:08:43 is we've chosen the lower end of this range in 14:08:48 doing research based on the fact that this lower 14:08:53 cost functional jack-up type system is voted to be 14:08:55 used, and the project is close to shore in very 14:09:00 benign weather conditions. So, compared with the 14:09:03 projects in like the North Sea and the costs of the 14:09:07 more expensive vessels. 14:09:11 And URS concurs with our costs on 14:09:13 that. I will highlight where URS agrees throughout 14:09:16 the course of this. 14:09:19 And foundation design, supply and 14:09:23 installation. Okay. We need take a more analytical 14:09:26 approach here because there is more information 14:09:37 We took the design provided by COWI, 14:09:38 and we calculated the likely weights at different 14:09:42 water depths using a regression model, and we're 14:09:51 their relative total costs of the structures. And 14:09:55 we suggested, in terms of supply, 321 million, and 14:09:59 which URS agreed with. 14:10:05

	Page 180		Page 181
1	and they provide us with the foundation design 14:10:17	1	an on-shore substation offshore on Pigeon Island. 14:11:38
2	costs. 14:10:20	2	So, we can deduce from this that it 14:11:44
3	The costs of installing these 14:10:23	3	will cost less than a typical on-shore offshore 14:11:50
4	semi-floating GBFs that we've heard about this week, 14:10:25	4	substation, but it will cost more than if that 14:11:55
5	they are not widely used in offshore wind projects 14:10:29	5	on-shore substation was put on land. 14:11:55
6	to date because heavy lift vessels are more 14:10:32	6	So it's across some of these extremes 14:11:56
7	available in Europe. 14:10:34	7	for typical offshore substation you can see there, 14:11:56
8	However, I understand from Sgurr that 14:10:37	8	a lot of geotechnical work goes into these 14:11:59
9	the proposed semi-floating GBFs can be installed 14:10:38	9	foundations, and the substation is three layers: 14:12:03
10	using low cost barges and with a tug and a heavy 14:10:44	10	Deck, helipad, large vessel to install, and nor 14:12:05
11	lift vessel would not be required. 14:10:47	11	.189 million per megawatt. 14:12:11
12	So in order to estimate these costs, 14:10:49	12	The bottom case, the on-shore 14:12:16
13	we took the high-end extreme as being well, how 14:10:50	13	substation, we would use land base construction 14:12:18
14	much would it be to hire one of these big heavy lift 14:10:53	14	methods. We only need export cable, one step-up 14:12:21
15	vessels to do the job, and we estimate that around 14:10:56	15	transformer because we are going straight in a grid 14:12:24
16	85 million. 14:10:59	16	voltage. 14:12:27
17	And for the lower bound, we make the 14:10:59	17	Sorry, that's the other transformer. 14:12:28
18	assumption that the combined supply and installation 14:11:03	18	Only one step-up transformer used for the offshore 14:12:30
19	costs of those these float-out will be greater than 14:11:06	19	substation, and we're using all insulated switch 14:12:32
20	if a standard gravity foundation would be used. 14:11:09	20	gear. 14:12:35
21	So that gives us our lower bound of 14:11:15	21	So that's our lower boundary, nor 14:12:36
22	25 million and we, therefore, estimate in the middle 14:11:17	22	.016. And then for wind energy on island we are 14:12:39
23	at around 50 million, which URS also agrees with. 14:11:20	23	doing an on-shore site, but we've got to get 14:12:43
24	Moving on to the offshore substation, 14:11:27	24	offshore so we've got logistics issue and transport. 14:12:46
25	supply and installation. So the substation is 14:11:34	25	So we came up with a mid range estimate of 14:12:49
	Daga 192		D. 102
	Page 182		Page 183
1	-	1	•
1 2	54 million, which URS had another 5.6 million 14:12:51	1 2	So, all these factors help push up the 14:14:19
	54 million, which URS had another 5.6 million 14:12:51 would suggest another 5.6 million, I should say. 14:12:59		So, all these factors help push up the 14:14:19 contingency. That would be an explanation for it, 14:14:23
2	54 million, which URS had another 5.6 million 14:12:51 would suggest another 5.6 million, I should say. 14:12:59 Contingency contingency, the 14:13:02	2	So, all these factors help push up the 14:14:19 contingency. That would be an explanation for it, 14:14:23 anyway. 14:14:29
2	54 million, which URS had another 5.6 million 14:12:51 would suggest another 5.6 million, I should say. 14:12:59 Contingency contingency, the 14:13:02 purpose of contingency is to cover risks and delays 14:13:09	2 3	So, all these factors help push up the 14:14:19 contingency. That would be an explanation for it, 14:14:23
2 3 4	54 million, which URS had another 5.6 million 14:12:51 would suggest another 5.6 million, I should say. 14:12:59 Contingency contingency, the 14:13:02 purpose of contingency is to cover risks and delays 14:13:09	2 3 4	So, all these factors help push up the 14:14:19 contingency. That would be an explanation for it, 14:14:23 anyway. 14:14:29 The one of the biggest installation 14:14:30 challenges is in cable burial. We find that cables 14:14:33
2 3 4 5	54 million, which URS had another 5.6 million 14:12:51 would suggest another 5.6 million, I should say. 14:12:59 Contingency contingency, the 14:13:02 purpose of contingency is to cover risks and delays 14:13:09 of construction as determined by the lenders' 14:13:13	2 3 4 5	So, all these factors help push up the 14:14:19 contingency. That would be an explanation for it, 14:14:23 anyway. 14:14:29 The one of the biggest installation 14:14:30
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	54 million, which URS had another 5.6 million 14:12:51 would suggest another 5.6 million, I should say. 14:12:59 Contingency contingency, the 14:13:02 purpose of contingency is to cover risks and delays 14:13:09 of construction as determined by the lenders' 14:13:13 technical advisor. So, therefore, also covers the 14:13:18 delays in revenue. It covers delays in your 14:13:21 construction and delays in obtaining revenues. 14:13:23 There has been mention of contingency 14:13:27 inflation in Germany around 2012. I have seen 14:13:30 evidence of that, but not in the public domain; I've 14:13:34 seen it in the reports. 14:13:38 This Germany in 2012 there were 14:13:39 a lot of delays on the projects due to factors which 14:13:42 are not relevant in the context of Wolfe Island. 14:13:45 DC transmission was used with large 14:13:49 complex HVDC converters. Which, to help you 14:13:56 to 20,000 tons, and they are very expensive to 14:14:01 build. 14:14:04 They have been done far from shore, 14:14:05 over 80 kilometres, in challenging installation and 14:14:09 maintenance logistics and there is also regulatory 14:14:12	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	So, all these factors help push up the 14:14:19 contingency. That would be an explanation for it, 14:14:23 anyway. 14:14:29 The one of the biggest installation 14:14:30 challenges is in cable burial. We find that cables 14:14:33 get damaged during burial and Wolfe Island Shoals 14:14:40 would not be using buried cables. 14:14:43 Based on the above and the evidence 14:14:46 that we were able to obtain, I would suggest 14:14:48 10 percent contingency is realistic, reasonable, and 14:14:52 possible possibilities to reduce this further, if 14:14:58 project is well designed with realistic planning and 14:15:02 lender's engineers are brought on board and a good 14:15:08 job is done. 14:15:10 Okay. Cable supply and installation. 14:15:12 We have some good models for this. By "models" 14:15:16 I mean predictive based on real data. 14:15:23 We are able to for the array cable 14:15:25 using the number of turbines, and we can estimate 14:15:30 that top graph there, basically, the Y axis is the 14:15:33 cost, and the X axis is the length. 14:15:38 So you can see it's got a almost 14:15:40
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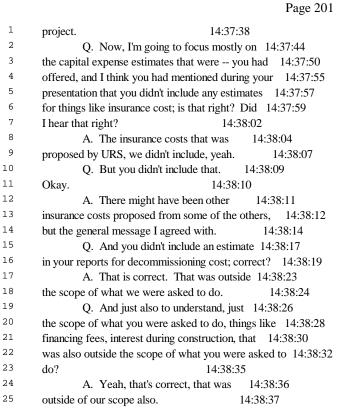
	Page 184		Page 185
1	Looking at that bottom chart, once 14:15:56	1	uses oil or air-insulated switchgear. URS concur 14:17:21
2	age, the X axis is the length. And I'd like to draw 14:15:58	2	with our cost estimates on that point. 14:17:25
3	your attention to where that red dot it is. It's 14:16:01	3	Development owner management costs. 14:17:38
4	right on the left-hand side of that slide there. 14:16:05	4	Okay, again, reviewing of existing information, 14:17:46
5	The X cable is very short with 14:16:08	5	contacting people, come out with a range of 14:17:49
6	Wolfe Island, and there is very, very good 14:16:12	6	development costs and owner management costs. 14:17:52
7	relationship there with length and cost. 14:16:13	7	URS, for planning and development, 14:17:56
8	So we use this chart to estimate these 14:16:15	8	they suggested we add another 1.5 million. I did 14:18:00
9	relationships to estimate the costs, which they 14:16:18	9	not agree with that because but their proposal 14:18:06
10	agree with, sorry. 14:16:22	10	was that we only included external cost. That's not 14:18:10
11	Installation, we reviewed array cable 14:16:28	11	the case. We accounted for a significant majority 14:18:13
12	installation, export cable installation costs. 14:16:30	12	of internal costs as well. 14:18:16
13	Wolfe Island there will be no burial. Fortunately, 14:16:34	13	They also observe that we did not 14:18:20
14	we have consultant advisors on cable burial and 14:16:38	14	include insurance costs. They are correct, that was 14:18:22
15	we based on that, we reduced the cost by 14:16:44	15	not part of our scope. 14:18:26
16	65 percent because laying cable is straightforward. 14:16:48	16	Operations and maintenance costs. So, 14:18:29
17	And there will be sorry, URS concur 14:16:51	17	this two types of operations and two types of 14:18:33
18	with that. 14:16:56	18	maintenance. You have preventative maintenance, 14:18:39
19	The on-shore interconnection 14:17:02	19	which will you do before things happen. And then 14:18:43
20	substation work. Similar approach taken. Review of 14:17:04	20	corrective maintenance when things go wrong, before 14:18:49
21	information and adjustment of the information to fit 14:17:06	21	they go wrong. And these two activities will be run 14:18:52
22	with the proposed design. 14:17:09	22	out of Wolfe Island and Kingston. 14:18:55
23	One of the advantages here is only one 14:17:13	23	And we've used a midpoint of 14:18:57
24	export cable, and the power is at the correct 14:17:15	24	14 kilometres and various empirical observations to 14:18:59
25	voltage to go straight into the grid, and the design 14:17:17	25	derive a cost for operational expenditure in a range 14:19:05
	- 10-		
	Page 186		Page 187
1	Page 186 of 102,000 Canadian dollars per megawatt per year, 14:19:09	1	their peer group for each year of construction. 14:20:49
1 2	of 102,000 Canadian dollars per megawatt per year, 14:19:09 and that cost includes turbine service agreement. 14:19:19	2	their peer group for each year of construction. 14:20:49 Well, aside from one of them. 14:20:56
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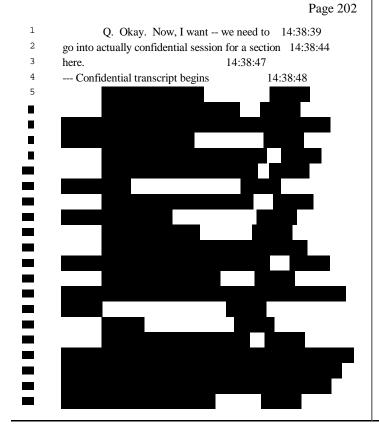
	Page 188		Page 189
1	matter was in was for the August 11, 2014 date. 14:23:42	1	You say that: 14:24:45
2	That was the first report you filed; 14:23:47	2	"4C was engaged to provide a cost 14:24:46
3	correct? 14:23:48	3	estimate of the Wolfe Island 14:24:48
4	A. You asked me the date of the 14:23:52	4	Shoals Wind Farm Project." 14:24:52
5	report? 14:23:54	5	And I thank you for your presentation 14:24:55
6	Q. Your report was August 2014. It 14:23:55	6	this morning, as well. I have a few questions to 14:24:55
7	won't be in your binder. 14:23:57	7	understand how you did that. 14:24:59
8	A. I'll take your word for it. 14:24:00	8	In paragraph 6 of your report you say 14:24:59
9	Q. I think you have your reports in 14:24:02	9	that: 14:25:01
10	front of you. 14:24:03	10	"In deriving the cost, 4C made use 14:25:01
11	A. Do I? 14:24:04	11	of a range of data sources." 14:25:04
12	Q. There so 14:24:05	12	So to be clear, though, and your title 14:25:06
13	A. I don't recognize the covers. 14:24:06	13	as director of research, 4C is not an engineering 14:25:08
14	Q. The inventions of lawyers. It's 14:24:09	14	firm; correct? 14:25:12
15	August 2014; correct? 14:24:15	15	A. As the part of the business that 14:25:13
16	A. Correct. 14:24:16	16	I am responsible for? 14:25:17
17	Q. And just to confirm you were first 14:24:17	17	Q. Yes. 14:25:18
18	retained by Windstream, then, in 2014? 14:24:18	18	A. Not an engineering part of our 14:25:18
19	A. Yes. 14:24:26	19	business. We have engineers, people who deal with 14:25:19
20	Q. Yes? 14:24:28	20	engineers or have geotechnical qualifications and 14:25:24
21	A. I believe so. 14:24:29	21	deal with cable installation in another part of our 14:25:29
22	Q. Okay. In paragraph 5 of your 14:24:29	22	business. 14:25:32
23	report, which is on page 4 14:24:32	23	Q. And in the part of the 4C 14:25:33
24	A. First report? 14:24:42	24	business, then, that you're in and that contributed 14:25:34
25	Q. First report. 14:24:42	25	to this report, that part of the business doesn't 14:25:37
1	Page 190 actually build wind farms; correct? 14:25:39	1	Page 191 with and direct communications with the supply 14:26:42
2	A. You are correct in the sense that 14:25:43	2	chain, yeah. 14:26:45
3	we no longer build wind farms, but we used to be 14:25:45	3	Q. Now the projects in that database, 14:26:52
4	part of the same team the same team was part of 14:25:48	4	these are European projects; right? 14:26:54
5	a company that did build wind farms. 14:25:51	5	A. Not all of them, no. 14:26:55
6	Q. And do you have any experience 14:25:53	6	Q. Where are what are some of the 14:26:57
7	with that? 14:25:55	7	other projects? 14:26:59
8	A. As OceanTeam. 14:25:55	8	A. Well, there's lots of projects 14:26:59
_	Q. I'm sorry? 14:25:56	9	from all around the world. We've got 1,000 14:27:01
10	A. Oceanteam Power & Umbilical. We 14:25:58	10	projects, all at various stages of development from 14:27:04
11 12	used to install cables. 14:26:02 Q. Used to install cables? 14:26:04	11	somebody's grand idea to projects which have been 14:27:08
13		12	built successfully and are generating revenues to 14:27:12
14	A. At offshore wind farms. 14:26:06 Q. At offshore wind farms. 14:26:09	13	actually projects now that are starting to be 14:27:17
15	But in terms of the installation of 14:26:10	14	decommissioned. 14:27:19
		15	So, all over the world, India, US 14:27:19
16	the turbines, just so I understand, that was not 14:26:12	16	I think there's yeah, obviously, all around 14:27:26
16 17	the turbines, just so I understand, that was not 14:26:12 you? 14:26:14	17	Europe, Asia, you name it. 14:27:30
16 17 18	the turbines, just so I understand, that was not you? 14:26:14 A. No. 14:26:14	17 18	Europe, Asia, you name it. 14:27:30 Q. So, your database, then, includes 14:27:32
16 17 18 19	the turbines, just so I understand, that was not you? 14:26:14 A. No. 14:26:14 Q. Now, your cost estimates in this 14:26:15	17 18 19	Europe, Asia, you name it. 14:27:30 Q. So, your database, then, includes 14:27:32 the Cape Wind project? 14:27:33
16 17 18	the turbines, just so I understand, that was not you? 14:26:14 A. No. 14:26:14 Q. Now, your cost estimates in this 14:26:15 report though, as I think you just explained, was 14:26:17	17 18 19 20	Europe, Asia, you name it. 14:27:30 Q. So, your database, then, includes 14:27:32 the Cape Wind project? 14:27:33 A. Yes, it does include the Cape 14:27:35
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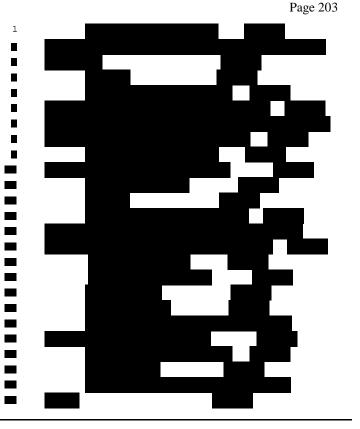
	Page 192		Page 193
1	to understand right now a little bit of the scope. 14:27:45	1	some of these numbers on the back are from 14:28:46
2	Now, you talked about, in your report 14:27:47	2	conversations with people that are un-published. 14:28:49
3	in paragraph 6, you mention again today, published 14:27:49	3	Q. Un-published. And so you've 14:28:52
4	and un-published contract values. 14:27:52	4	produced no documents to evidence any of these 14:28:53
5	And this seems to be a favourite 14:27:55	5	un-published numbers with your report; correct? 14:28:56
6	question at this hearing, so I will ask it: You 14:27:58	6	A. That, in the sense that, yeah, 14:28:58
7	didn't produce any of those un-published contract 14:28:01	7	I didn't record conversations. 14:29:01
8	values in support of your 14:28:03	8	Q. So it 14:29:02
9	A. Sorry, I don't understand you. 14:28:09	9	A. This would be another way, I 14:29:06
10	Q. You didn't produce any evidence 14:28:10	10	suppose. 14:29:07
11	underlying your database in this report, did you? 14:28:12	11	Q. Well, the numbers that are in your 14:29:08
12	A. Any of the information underlying 14:28:14	12	database we have in your reports a number of 14:29:09
13	the database? Well, the appendix is full of 14:28:15	13	numbers from printout from your database. 14:29:11
14	numbers. 14:28:18	14	A. Yes. 14:29:13
15	Q. From the database, correct? 14:28:18	15	Q. And those come from published and 14:29:14
16	A. No, some of them are I believe 14:28:19	16	un-published contracts, but you didn't produce any 14:29:15
17	some of them might be un-published numbers we got. 14:28:21	17	of the information used to create your data pages, 14:29:18
18	So, for example, if you look at yeah, for 14:28:25	18	none of the backup; correct? 14:29:19
19	example, the legal fees. I recall that off the top 14:28:31	19	A. Oh, I see your question. No, 14:29:22
20	of my head. I had a conversation with somebody 14:28:34	20	I mean we in your database, we do provide 14:29:23
21	about that. 14:28:36	21	sources for some of the information. Not all of it 14:29:28
22	Q. Right. So you've 14:28:36	22	because we have in excess of 200,000 data points, 14:29:30
23	A. And all the COWI numbers that are 14:28:38	23	I believe, and simply keeping a track of all that 14:29:36
24	in there, they are from conversations with people. 14:28:40	24	can be challenging. 14:29:38
25	I'm not sure, but certainly there is certainly 14:28:42	25	We have vigorous ISO 18001 routines to 14:29:40
			We have rigorous iso rooor rounded to 11.22.110
	Page 194		Page 195
1	help us keep on top of quality control, which we 14:29:48	1	Q. So they wouldn't have been 14:30:52
2	adhere to. And rather than spend all our customer 14:29:50	2	available to Windstream prior to this arbitration; 14:30:54
3	value documenting everything, we try and create 14:29:54	3	correct? 14:30:56
4	usable market intelligence, but I do appreciate what 14:29:57	4	A. They wouldn't have been available 14:31:00
5	you're saying. 14:30:00	5	to prior to the arbitration. 14:31:01
6	Q. Okay, that out of the way I want 14:30:01	6	Q. They wouldn't have been available 14:31:04
7	to now talk about the content of your report, and 14:30:04	7	to Windstream prior to 2014; right? 14:31:05
8	I want to understand a little bit also. 14:30:07	8	A. Oh, well, I see not if it's 14:31:07
9	You say in paragraph 6, it says you 14:30:12	9	dated 2014. 14:31:11
10	relied upon reports specific to the Windstream Wolfe 14:30:15	10	Q. Exactly my question. 14:31:12
11	Island Shoals project in your report, correct? And 14:30:20	11	A. Yes. 14:31:13
12	you list a number of the reports and the first four 14:30:23	12	MR. TERRY: Anyway, it I think we 14:31:14
13	of those reports, the Sgurr report, Baird report and 14:30:25	13	can probably all answer that, but the question of 14:31:16
14	I'll say COWI, although it might be COWI. 14:30:29	14	what was available to Windstream is, I think, best 14:31:18
15	A. It's COWI. 14:30:34	15	put to someone who's at Windstream. 14:31:21
16	Q. COWI and Weeks Marine reports. 14:30:35	16	BY MR. SPELLISCY: 14:31:26
17	Those were prepared in 2014; correct, or 2015? One 14:30:37	17	Q. I think we can all do the math on 14:31:27
18	of those years; is that right? 14:30:40	18	what's in 2014, and I think we can have the witness 14:31:29
19	A. 2014. 14:30:44	19	answer that question just looking as what he has 14:31:31
20	Q. 2014. 14:30:46	20	relied upon. 14:31:33
21	A. Sorry? 14:30:47	21	So that I understand it, then, 14:31:34
22	Q. 2014? 14:30:48	22	proposed relying upon these reports, you used 2014 14:31:35
23	A. Yeah. 14:30:48	23	knowledge of what would happen at the project to 14:31:42
24	Q. That's right? 14:30:49	24	estimate the project cost; correct? 14:31:44
25	A. (No response.) 14:30:50	25	A. I used information that was 14:31:52

	Page 196		Page 197
1	provided to me. 14:31:53	1	A. That's okay. I understand that 14:32:59
2	Q. Including information that post 14:31:55	2	question. 14:33:00
3	dated, say, the moratorium we've all been talking 14:31:58	3	Q. Is the answer to that "Yes" you 14:33:01
4	about on February 11th; correct? 14:32:02	4	used information post - 14:33:05
5	A. I used information that was 14:32:04	5	A. Yes. 14:33:07
6	provided to me and I used information and knowledge 14:32:07	6	Q. Okay, great. Now you had slide in 14:33:07
7	from the offshore wind marketplace, so I don't 14:32:11	7	your presentation, which I think is also at page 51 14:33:16
8	just a lot of work went into support. 14:32:13	8	of your report, and it might be just as easy to pull 14:33:20
9	I didn't just look at these reports, 14:32:17	9	up page 51 of your report. And this is page 51. 14:33:23
10	and I also have a wealth of knowledge that I apply. 14:32:18	10	I think this is a similar slide to 14:33:39
11	So I can't say that which bits come out of this 14:32:20	11	what you had in your presentation there. It may be 14:33:41
12	report, and which bits of my report are based on 14:32:26	12	slightly different, but it's got these bubbles on 14:33:44
13	a lot of knowledge I've built up by running this 14:32:30	13	it? 14:33:46
14	unit research unit over the years. 14:32:33	14	A. Yeah. 14:33:47
15	But it is fair to say, yes, some of 14:32:35	15	Q. So this includes information that 14:33:47
16	this knowledge out of this these reports would 14:32:38	16	you see for projects actually projected out all the 14:33:48
17	have gone into my report, but it is not exclusively 14:32:40	17	way out to 2025; is that right? 14:33:52
18	based on these documents. 14:32:43	18	A. Yeah, it does, yeah. 14:33:54
19	Q. I understand that. I'm actually 14:32:44	19	Q. Okay. 14:33:56
20 21	trying to get the timeframe down that you used for 14:32:47	20	A. I mean I should say well, go 14:33:56
22	your report. 14:32:49	21 22	on. 14:33:58
23	And what I'm trying to understand is 14:32:50 you used information that was available after 14:32:51	23	Q. Go ahead if you'd like to add. 14:33:59 A. No, please proceed. 14:34:03
24	February 2011 to create your reports, just to 14:32:55	24	Q. All right. The so this 14:34:04
25	prepare the costs? 14:32:58	25	actually, this bubble chart actually includes 14:34:07
	propule die costo.		actuary, this bubble chart actuary menades 14.54.67
	Page 198		Page 199
1	projected costs for projects that still have not 14:34:10	1	14.25.01
2		1 *	start date. 14:35:01
2	even begun construction; correct? 14:34:13	2	Q. That's a planning start date. You 14:35:02
3	A. Well, they have now, but they 14:34:16	2 3	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03
3 4	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. 14:34:18	2 3 4	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04
3 4 5	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. 14:34:18 Q. There are projects that have 14:34:20	2 3 4 5	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06
3 4 5 6	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. 14:34:18 Q. There are projects that have 14:34:20 started construction now that have projected 14:34:21	2 3 4 5 6	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06 A. I'm afraid I can't. 14:35:07
3 4 5 6 7	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. 14:34:18 Q. There are projects that have 14:34:20 started construction now that have projected commercial operation dates of 2025? 14:34:24	2 3 4 5 6 7	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06 A. I'm afraid I can't. 14:35:07 Q. Block Island? 14:35:11
3 4 5 6 7 8	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. 14:34:18 Q. There are projects that have 14:34:20 started construction now that have projected commercial operation dates of 2025? 14:34:24 A. That's not commercial operation 14:34:27	2 3 4 5 6 7 8	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06 A. I'm afraid I can't. 14:35:07 Q. Block Island? 14:35:11 A. No. I mean this wouldn't be 14:35:13
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3 4 5 6 7 8 9 10 11 12	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. 14:34:18 Q. There are projects that have 14:34:20 started construction now that have projected 14:34:21 commercial operation dates of 2025? 14:34:24 A. That's not commercial operation 14:34:27 date. That's construction start, yeah. 14:34:29 Q. So there are projects well, 14:34:31 you've got projects out in 2025? 14:34:32 A. Yeah, but they haven't all been 14:34:35	2 3 4 5 6 7 8 9 10	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06 A. I'm afraid I can't. 14:35:07 Q. Block Island? 14:35:11 A. No. I mean this wouldn't be 14:35:13 possible, would it? That I knew where all the spots 14:35:19 were? 14:35:24 Q. No, I just wondered if you had 14:35:24 knowledge of it. 14:35:33
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3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. Q. There are projects that have 14:34:20 started construction now that have projected commercial operation dates of 2025? 14:34:24 A. That's not commercial operation 14:34:27 date. That's construction start, yeah. 14:34:29 Q. So there are projects well, 14:34:31 you've got projects out in 2025? 14:34:32 A. Yeah, but they haven't all been 14:34:35 built. Your question was, the grey ones haven't 14:34:37 been built yet, and my answer is some of them have 14:34:39 started to be built. 14:34:42 Q. Some of them have started to be 14:34:43 built but not all of these have actually started to 14:34:44 be built? A. Yeah. 14:34:47 Q. So your chart here actually 14:34:48 contains we'll call them bubbles or circles or 14:34:52	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06 A. I'm afraid I can't. 14:35:07 Q. Block Island? 14:35:11 A. No. I mean this wouldn't be 14:35:13 possible, would it? That I knew where all the spots 14:35:19 were? 14:35:24 Q. No, I just wondered if you had 14:35:24 knowledge of it. 14:35:33 Now, there is one document that you 14:35:34 did list in your scope of review that was from prior 14:35:35 to the moratorium, and that was an Ortech 2011 14:35:40 report. 14:35:43 This is a report that you say you 14:35:44 reviewed in preparing your cost estimate. That's at 14:35:46 Tab 1 of your binder, and for the record, it is 14:35:52 C-0552. 14:35:55 A. I'm sorry, can you repeat that, 14:36:03 please? 14:36:05 Q. It's at Tab 1 of your binder and 14:36:06 it's C-0552. 14:36:08
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Well, they have now, but they 14:34:16 hadn't at the time, yeah. Q. There are projects that have 14:34:20 started construction now that have projected commercial operation dates of 2025? 14:34:24 A. That's not commercial operation 14:34:27 date. That's construction start, yeah. Q. So there are projects well, 14:34:31 you've got projects out in 2025? 14:34:32 A. Yeah, but they haven't all been 14:34:35 built. Your question was, the grey ones haven't 14:34:37 been built yet, and my answer is some of them have 14:34:39 started to be built. 14:34:42 Q. Some of them have started to be 14:34:43 built but not all of these have actually started to 14:34:44 be built? 14:34:47 A. Yeah. Q. So your chart here actually 14:34:48 contains we'll call them bubbles or circles or 14:34:52 that have not yet started construction because the 14:34:54	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. That's a planning start date. You 14:35:02 may not know this. 14:35:03 Can you tell us where Cape Wind is on 14:35:04 that chart? 14:35:06 A. I'm afraid I can't. 14:35:07 Q. Block Island? 14:35:11 A. No. I mean this wouldn't be 14:35:13 possible, would it? That I knew where all the spots 14:35:19 were? 14:35:24 Q. No, I just wondered if you had 14:35:24 knowledge of it. 14:35:33 Now, there is one document that you 14:35:34 did list in your scope of review that was from prior 14:35:35 to the moratorium, and that was an Ortech 2011 14:35:40 report. 14:35:43 This is a report that you say you 14:35:44 reviewed in preparing your cost estimate. That's at 14:35:46 Tab 1 of your binder, and for the record, it is 14:35:52 C-0552. 14:35:55 A. I'm sorry, can you repeat that, 14:36:03 please? 14:36:05 Q. It's at Tab 1 of your binder and 14:36:06

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1	referring to, that you reviewed? Does it look 14:36:11
2	familiar? 14:36:19
3	A. Yes, yes. 14:36:20
4	Q. Now this Ortech report doesn't 14:36:20
5	actually contain any cost estimates for the project, 14:36:22
6	does it? 14:36:25
7	A. I would have to be sure to be 14:36:33
8	sure of the answer, I'd have to read through it and 14:36:38
9	check. But I can agree with I can concur to what 14:36:39
10	you say. 14:36:42
11	Q. Right. And that's because when 14:36:43
12	you were looking at the projected cost for the 14:36:44
13	project in 2014 when you were hired, you didn't 14:36:46
14	review what the projected cost of the project had 14:36:49
15	been by people looking at it back in 2012; correct? 14:36:52
16	A. Well, we looked at general project 14:37:01
17	costs over the period, but not specific to 14:37:10
18	Wolfe Island, I think. 14:37:17
19	Q. So in preparing your opinion, you 14:37:18
20	didn't look at any of the specific projects, capital 14:37:19
21	costs that had been projected for this specific 14:37:22
22	project? 14:37:24
23	A. At the time, if I recall 14:37:27
24	correctly, I believe at the time we made 14:37:28
25	an independent assessment of the cost of the 14:37:34









		1	
	Page 208		Page 209
1	rate; isn't that right? 14:47:20	1	agree with me that, if you were going to pick 14:48:24
2	A. Sorry, can you repeat that 14:47:26	2	a single date for one date to change everything from 14:48:26
3	question? 14:47:27	3	Euros to dollars, it would be the date of financial 14:48:30
4	Q. Well, you said, and your report 14:47:28	4	close which is when the contracts are done, the 14:48:32
5	says, that you used an exchange rate of September 4, 14:47:31	5	contracts are signed and we're going to move forward 14:48:34
6	2012; correct? 14:47:35	6	with the construction of the project; correct? 14:48:38
7	A. Yes. 14:47:37	7	A. Like I say, I just was using the 14:48:41
8	Q. Now if I'm right, you picked that 14:47:37	8	date that I was provided with to make the 14:48:44
9	date because that was the original date of financial 14:47:39	9	calculations. 14:48:45
10	close in one of the original schedules; is that 14:47:41	10	Q. Well, let me 14:48:49
11	right? 14:47:43	11	A. And I'm not involved in financing 14:48:50
12	A. I didn't pick the date. I was 14:47:47	12	projects so I don't really want to get I couldn't 14:48:52
13	advised of the date. 14:47:49	13	really speak to financing matters. 14:48:57
14	Q. You were advised to use 14:47:50	14	Q. Okay, you have seen the current 14:49:03
15	September 4th, 2012? 14:47:51	15	schedule for the project, correct? You refer to the 14:49:05
16	A. Yeah. 14:47:52	16	Sgurr report in your report. 14:49:08
17	Q. Are you aware that in September of 14:47:53	17	A. Yes. 14:49:11
18	2012, the Canadian dollar was at its strongest than 14:47:55	18	Q. Yes. 14:49:13
19	it has been against the Euro since 2011? 14:47:59	19	A. But I presume this is the same 14:49:13
20	A. I don't recall the shape of the 14:48:03	20	schedule we've seen presented to us this week. 14:49:15
21	graph exactly, but I recall it was various been 14:48:06	21	Q. Plenty of time. The big schedule 14:49:18
22	change in the period. I can't say exactly where it 14:48:11	22	I think is what we call it? 14:49:20
23	was, if it was the strongest or not. 14:48:14	23	A. The big one, yes. 14:49:21
24	Q. Okay, you now, in terms of 14:48:16	24	Q. We can pull it up, but you're 14:49:25
25	your changing everything at a single date, you would 14:48:19	25	aware also that since the project resumes on 14:49:27
		1	
	Page 210		Page 211
1	Page 210 September or February the 11th, 2011, financial 14:49:30	1	Page 211 BY MR. SPELLISCY: 14:50:45
1 2		1 2	
	September or February the 11th, 2011, financial 14:49:30		BY MR. SPELLISCY: 14:50:45
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	September or February the 11th, 2011, financial 14:49:30 close, as I think you probably heard, is now set for 14:49:34 February 11th, 2014, in fact, on September 4th, 14:49:39 2012, the project would have been relatively early 14:49:43 in its development process; correct? 14:49:46 A. I feel that I'm getting outside my 14:49:48 bounds of knowledge on this now. I was just 14:49:52 I was providing a cost for a project, and now I'm 14:49:54 asked being asked about dates of financing and 14:49:59 I've seen the schedule, yeah, but I I feel like 14:50:02 I'm being asked to make implications as to costs and 14:50:08 timings. 14:50:12 MR. TERRY: If I may suggest, I think 14:50:14 Mr. Low tomorrow would be the one to put these 14:50:16 questions. 14:50:19 MR. SPELLISCY: I think I'd like to 14:50:20 put them to Mr. Aukland. It is his estimate in 14:50:21 Canadian dollars that is at issue here. 14:50:27 questions by reference to a particular date so that 14:50:28	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. SPELLISCY: Q. Maybe let's I want you to turn 14:50:46 to I think it's tab 5 in your binder, which is 14:50:51 Exhibit R-0639. If you turn to the this is 14:51:12 an excerpt from Bank of Canada exchange rates; Euros 14:51:13 to Canadian dollars. And if you turn to the second 14:51:20 page, most of the way down, you will see the line 14:51:23 item for February the 11th, 2014 and it's at 1.5052; 14:51:30 do you see that? A. February the 11th. A. February the 11th. A. February the 11th. Q. They're done in the European 14:51:44 style, so scroll all the way down, about five or six 14:51:46 from the bottom. Also up on the screen, if you just 14:51:49 wanted to look at it. A. Yep, I have that. Q. Great. So, that exchange rate is 14:52:02 about 27 cents more per Euro than you have used in 14:52:08 your exchange rate; correct? 14:52:14 A. I don't recall the exchange rate. 14:52:19
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	September or February the 11th, 2011, financial 14:49:30 close, as I think you probably heard, is now set for 14:49:34 February 11th, 2014, in fact, on September 4th, 14:49:39 2012, the project would have been relatively early 14:49:43 in its development process; correct? 14:49:46 A. I feel that I'm getting outside my 14:49:48 bounds of knowledge on this now. I was just 14:49:52 I was providing a cost for a project, and now I'm 14:49:54 asked being asked about dates of financing and 14:49:59 I've seen the schedule, yeah, but I I feel like 14:50:02 I'm being asked to make implications as to costs and 14:50:08 timings. 14:50:12 MR. TERRY: If I may suggest, I think 14:50:14 Mr. Low tomorrow would be the one to put these questions. 14:50:19 MR. SPELLISCY: I think I'd like to 14:50:20 put them to Mr. Aukland. It is his estimate in 14:50:21 Canadian dollars that is at issue here. 14:50:27 questions by reference to a particular date so that 14:50:28 if the cost was incurred on a date other than the 14:50:30	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. SPELLISCY: Q. Maybe let's I want you to turn 14:50:46 to I think it's tab 5 in your binder, which is 14:50:51 Exhibit R-0639. If you turn to the this is 14:51:12 an excerpt from Bank of Canada exchange rates; Euros 14:51:13 to Canadian dollars. And if you turn to the second 14:51:20 page, most of the way down, you will see the line 14:51:23 item for February the 11th, 2014 and it's at 1.5052; 14:51:30 do you see that? A. February the 11th. A. February the 11th. Q. They're done in the European 14:51:44 style, so scroll all the way down, about five or six 14:51:46 from the bottom. Also up on the screen, if you just 14:51:49 wanted to look at it. 14:51:55 A. Yep, I have that. Q. Great. So, that exchange rate is 14:52:02 about 27 cents more per Euro than you have used in 14:52:08 your exchange rate; correct? 14:52:14 A. I don't recall the exchange rate 14:52:25
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	September or February the 11th, 2011, financial 14:49:30 close, as I think you probably heard, is now set for 14:49:34 February 11th, 2014, in fact, on September 4th, 14:49:39 2012, the project would have been relatively early 14:49:43 in its development process; correct? 14:49:46 A. I feel that I'm getting outside my 14:49:48 bounds of knowledge on this now. I was just 14:49:52 I was providing a cost for a project, and now I'm 14:49:54 asked being asked about dates of financing and 14:49:59 I've seen the schedule, yeah, but I I feel like 14:50:02 I'm being asked to make implications as to costs and 14:50:08 timings. 14:50:12 MR. TERRY: If I may suggest, I think 14:50:14 Mr. Low tomorrow would be the one to put these questions. 14:50:19 MR. SPELLISCY: I think I'd like to 14:50:20 put them to Mr. Aukland. It is his estimate in 14:50:21 Canadian dollars that is at issue here. 14:50:27 questions by reference to a particular date so that 14:50:30 date that was used as the basis of the cost 14:50:31	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. SPELLISCY: Q. Maybe let's I want you to turn 14:50:46 to I think it's tab 5 in your binder, which is 14:50:51 Exhibit R-0639. If you turn to the this is 14:51:12 an excerpt from Bank of Canada exchange rates; Euros 14:51:13 to Canadian dollars. And if you turn to the second 14:51:20 page, most of the way down, you will see the line 14:51:23 item for February the 11th, 2014 and it's at 1.5052; 14:51:30 do you see that? A. February the 11th. A. February the 11th. A. February the 11th. Q. They're done in the European 14:51:44 style, so scroll all the way down, about five or six 14:51:46 from the bottom. Also up on the screen, if you just 14:51:49 wanted to look at it. A. Yep, I have that. A. Yep, I have that. Q. Great. So, that exchange rate is 14:52:02 about 27 cents more per Euro than you have used in 14:52:08 your exchange rate; correct? A. I don't recall the exchange rate 14:52:25 that you used for your you stated in your report 14:52:26
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	September or February the 11th, 2011, financial 14:49:30 close, as I think you probably heard, is now set for 14:49:34 February 11th, 2014, in fact, on September 4th, 14:49:39 2012, the project would have been relatively early 14:49:43 in its development process; correct? 14:49:46 A. I feel that I'm getting outside my 14:49:48 bounds of knowledge on this now. I was just 14:49:52 I was providing a cost for a project, and now I'm 14:49:54 asked being asked about dates of financing and 14:49:59 I've seen the schedule, yeah, but I I feel like 14:50:02 I'm being asked to make implications as to costs and 14:50:08 timings. 14:50:12 MR. TERRY: If I may suggest, I think 14:50:14 Mr. Low tomorrow would be the one to put these 14:50:16 questions. 14:50:19 MR. SPELLISCY: I think I'd like to 14:50:20 put them to Mr. Aukland. It is his estimate in 14:50:21 Canadian dollars that is at issue here. 14:50:27 questions by reference to a particular date so that 14:50:30 date that was used as the basis of the cost 14:50:31 estimate, it would be fair to see what the evidence 14:50:34	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. SPELLISCY: Q. Maybe let's I want you to turn 14:50:46 to I think it's tab 5 in your binder, which is 14:50:51 Exhibit R-0639. If you turn to the this is 14:51:12 an excerpt from Bank of Canada exchange rates; Euros 14:51:13 to Canadian dollars. And if you turn to the second 14:51:20 page, most of the way down, you will see the line 14:51:23 item for February the 11th, 2014 and it's at 1.5052; 14:51:30 do you see that? A. February the 11th. A. February the 11th. Q. They're done in the European 14:51:44 style, so scroll all the way down, about five or six 14:51:46 from the bottom. Also up on the screen, if you just 14:51:49 wanted to look at it. A. Yep, I have that. A. Yep, I have that. A. Yep, I have that. A. Yep, I have than you have used in 14:52:02 about 27 cents more per Euro than you have used in 14:52:14 A. I don't recall the exchange rate. 14:52:19 Q. You don't recall the exchange rate 14:52:25 that you used for your you stated in your report 14:52:26 that you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	September or February the 11th, 2011, financial 14:49:30 close, as I think you probably heard, is now set for 14:49:34 February 11th, 2014, in fact, on September 4th, 14:49:39 2012, the project would have been relatively early 14:49:43 in its development process; correct? 14:49:46 A. I feel that I'm getting outside my 14:49:48 bounds of knowledge on this now. I was just 14:49:52 I was providing a cost for a project, and now I'm 14:49:54 asked being asked about dates of financing and 14:49:59 I've seen the schedule, yeah, but I I feel like 14:50:02 I'm being asked to make implications as to costs and 14:50:08 timings. 14:50:12 MR. TERRY: If I may suggest, I think 14:50:14 Mr. Low tomorrow would be the one to put these questions. 14:50:19 MR. SPELLISCY: I think I'd like to 14:50:20 put them to Mr. Aukland. It is his estimate in 14:50:21 Canadian dollars that is at issue here. 14:50:27 questions by reference to a particular date so that 14:50:30 date that was used as the basis of the cost 14:50:31	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. SPELLISCY: Q. Maybe let's I want you to turn 14:50:46 to I think it's tab 5 in your binder, which is 14:50:51 Exhibit R-0639. If you turn to the this is 14:51:12 an excerpt from Bank of Canada exchange rates; Euros 14:51:13 to Canadian dollars. And if you turn to the second 14:51:20 page, most of the way down, you will see the line 14:51:23 item for February the 11th, 2014 and it's at 1.5052; 14:51:30 do you see that? A. February the 11th. A. February the 11th. A. February the 11th. Q. They're done in the European 14:51:44 style, so scroll all the way down, about five or six 14:51:46 from the bottom. Also up on the screen, if you just 14:51:49 wanted to look at it. A. Yep, I have that. A. Yep, I have that. Q. Great. So, that exchange rate is 14:52:02 about 27 cents more per Euro than you have used in 14:52:08 your exchange rate; correct? A. I don't recall the exchange rate 14:52:25 that you used for your you stated in your report 14:52:26

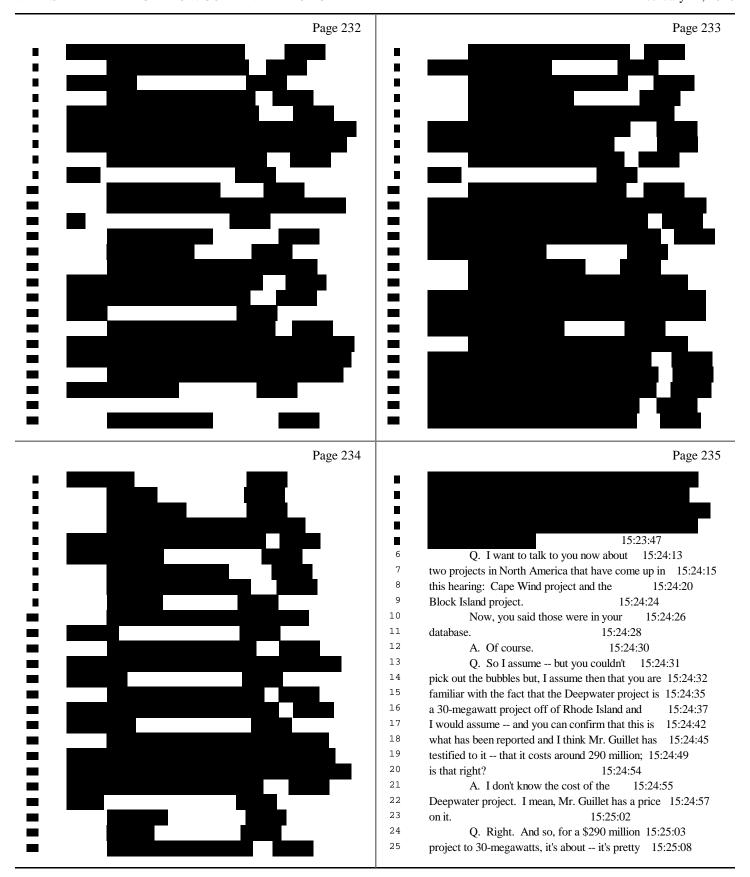
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	Page 212		Page 213
1	the exchange rate in your report, but we could - 14:52:33	1	MR. SPELLISCY: We're at the is 14:53:51
2	A. That's the same day I 14:52:36	2	this confidential? Not on mine. 14:53:52
3	Q. Yeah, we could I think you 14:52:38	3	PRESIDENT: You're looking at the 14:53:59
4	put got the Deloitte report up in front of you 14:52:43	4	Deloitte report? 14:54:01
5	there. 14:52:45	5	MR. SPELLISCY: The Deloitte report, 14:54:02
6	A. So I used the 4th of 14:52:48	6	the schedule. 14:54:02
7	September 2012. 14:52:50	7	MS. SEERS: Actually, on my copy, the 14:54:06
8	Q. '12, which is in we haven't 14:52:51	8	certain percentages, the contingency and the 14:54:08
9	excerpted this all the way back. We've got this. 14:52:53	9	debt-to-equity ratio are 14:54:10
10	It goes back 50 pages, but to save everybody 14:52:55	10	MR. SPELLISCY: That's what my copy is 14:54:17
11	50 pages, we didn't go all the way back. 14:53:00	11	too. I think that that's probably maybe an original 14:54:17
12	But if you look at the Deloitte report 14:53:02	12	designation and the we reduced it back. So we can 14:54:19
13	at Schedule 3A, "Capital costs." It's on page 37 of 14:53:04	13	stay public here. 14:54:22
14	the first Deloitte report. And you'll see there, it 14:53:13	14	BY MR. SPELLISCY: 14:54:23
15	says you've got the cost in Euros. They say the 14:53:30	15	Q. So if you look at sorry. So if 14:54:23
16	source of this is 4C. The cost in Euros is 14:53:31	16	you look on the total on the left, it says "Total" 14:54:24
17	1,036,392,024. 14:53:35	17	at the bottom there, Euros, EU1,036,392,024 on the 14:54:27
18	A. Sorry, where are you which page 14:53:38	18	left column there. 14:54:34
19	are you looking at? 14:53:39	19	And then you will see to the right it 14:54:35
20	Q. I'm on, sorry, page 37. 14:53:40	20	says the total is 1 billion in Canadian dollars 14:54:37
21	A. I have the page. This is all 14:53:41	21	is 1,285,910,000. I can represent to you, I've done 14:54:42
22	boxed, so what are you looking at, total costs? 14:53:42	22	the math, it's 1.24, is the exchange rate you used. 14:54:49
23	Q. At total costs. 14:53:46	23	A. Perhaps the exchange rates go from 14:54:56
24	PRESIDENT: Which document are we 14:53:49	24	there to there. 14:54:58
25	looking at now? 14:53:50	25	Q. Yep. And the Canadian dollars is 14:55:00
	Page 214		Page 215
1	what's reported in your report. 14:55:01	1	finish? 14:56:42
2	So you would agree with me that 14:55:05	2	A. I do, but I should tell you that 14:56:43
3	between September 2012, which is in development, 14:55:07	3	I don't know anything about the renewable energy 14:56:45
4	until February 11th, 2014, which on the Sgurr 14:55:15	4	approval. 14:56:47
5	schedule is financial close, and obviously, we don't 14:55:18	5	Q. Right. But you heard Mr. Bucci 14:56:47
6	agree, but on the Sgurr schedule alone, that there 14:55:20	6	earlier say that the finishing of that approval was, 14:56:49
7	is a's difference of 27 cents per dollar; correct? 14:55:24	7	in his mind, key to getting the financing; correct? 14:56:53
8	A. I just is it possible to see 14:55:29	8	A. I was more focused on my own 14:56:56
9	the schedule? I've because I really haven't been 14:55:31	9	research for 14:56:58
10	involved that much with schedules, so I kind of 14:55:35	10	Q. Did you not hear Mr. Bucci say 14:56:59
11	can't visualize the dates. Thanks. Perhaps you can 14:55:37	11	that this morning? 14:57:01
12	show me on here the timings. 14:55:52	12	A. Remind me what he said. 14:57:04
13			
	Q. And I think it's around line 7 or 14:55:53	13	Q. That the completion of the ERT 14:57:06
14	Q. And I think it's around line 7 or 14:55:53 8 at the top. Right at the very top, there'll be 14:55:57	13 14	Q. That the completion of the ERT 14:57:06 Tribunal, the finishing of this approval was the key 14:57:09
14 15	7		
	8 at the top. Right at the very top, there'll be 14:55:57	14 15 16	Tribunal, the finishing of this approval was the key 14:57:09
15	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59	14 15	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial the key condition to 14:57:11
15 16	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01	14 15 16	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial the key condition to 14:57:11 getting your financial close. 14:57:14
15 16 17 18 19	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01 see financial close, February 11, 2014? 14:56:05 A. Yes. Mine's saying January. 14:56:09 Yeah, 2041. February, is it? Ah, 2014. 14:56:21	14 15 16 17 18 19	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial the key condition to 14:57:11 getting your financial close. 14:57:14 A. II can't I can't speak to 14:57:15
15 16 17 18 19 20	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01 see financial close, February 11, 2014? 14:56:05 A. Yes. Mine's saying January. 14:56:09 Yeah, 2041. February, is it? Ah, 2014. 14:56:21 Q. 2014. Now, we can look at this 14:56:22	14 15 16 17 18 19 20	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial — the key condition to 14:57:11 getting your financial close. 14:57:14 A. I — I can't — I can't speak to 14:57:15 the process of financial close. 14:57:21 Q. Okay. Now, in your own cost 14:57:23 estimate, you had an estimate of — well, if we 14:57:25
15 16 17 18 19 20 21	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01 see financial close, February 11, 2014? 14:56:05 A. Yes. Mine's saying January. 14:56:09 Yeah, 2041. February, is it? Ah, 2014. 14:56:21 Q. 2014. Now, we can look at this 14:56:22 schedule here since we have it here in front of us 14:56:23	14 15 16 17 18 19 20 21	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial — the key condition to 14:57:11 getting your financial close. 14:57:14 A. I — I can't — I can't speak to 14:57:15 the process of financial close. 14:57:21 Q. Okay. Now, in your own cost 14:57:23 estimate, you had an estimate of — well, if we 14:57:25 actually keep the — if you go back to that Deloitte 14:57:31
15 16 17 18 19 20 21	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01 see financial close, February 11, 2014? 14:56:05 A. Yes. Mine's saying January. 14:56:09 Yeah, 2041. February, is it? Ah, 2014. 14:56:21 Q. 2014. Now, we can look at this 14:56:22 schedule here since we have it here in front of us 14:56:23 now and I can take the time, if you'd like, to scan 14:56:26	14 15 16 17 18 19 20 21 22	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial the key condition to 14:57:11 getting your financial close. 14:57:14 A. I I can't I can't speak to 14:57:15 the process of financial close. 14:57:21 Q. Okay. Now, in your own cost 14:57:23 estimate, you had an estimate of well, if we 14:57:25 actually keep the if you go back to that Deloitte 14:57:31 schedule there, that one that we're looking at, 14:57:36
15 16 17 18 19 20 21 22 23	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01 see financial close, February 11, 2014? 14:56:05 A. Yes. Mine's saying January. 14:56:09 Yeah, 2041. February, is it? Ah, 2014. 14:56:21 Q. 2014. Now, we can look at this 14:56:22 schedule here since we have it here in front of us 14:56:23 now and I can take the time, if you'd like, to scan 14:56:26 it, but I also note we can look at the top and say 14:56:29	14 15 16 17 18 19 20 21 22 23	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial — the key condition to 14:57:11 getting your financial close. 14:57:14 A. I — I can't — I can't speak to 14:57:15 the process of financial close. 14:57:21 Q. Okay. Now, in your own cost 14:57:23 estimate, you had an estimate of — well, if we 14:57:25 actually keep the — if you go back to that Deloitte 14:57:31 schedule there, that one that we're looking at, 14:57:36 Schedule 3(a), the planning and development costs 14:57:40
15 16 17 18 19 20 21	8 at the top. Right at the very top, there'll be 14:55:57 an item for financial close. 14:55:59 It's line 7, actually. Uh-hmm. You 14:56:01 see financial close, February 11, 2014? 14:56:05 A. Yes. Mine's saying January. 14:56:09 Yeah, 2041. February, is it? Ah, 2014. 14:56:21 Q. 2014. Now, we can look at this 14:56:22 schedule here since we have it here in front of us 14:56:23 now and I can take the time, if you'd like, to scan 14:56:26	14 15 16 17 18 19 20 21 22	Tribunal, the finishing of this approval was the key 14:57:09 to getting your financial the key condition to 14:57:11 getting your financial close. 14:57:14 A. I I can't I can't speak to 14:57:15 the process of financial close. 14:57:21 Q. Okay. Now, in your own cost 14:57:23 estimate, you had an estimate of well, if we 14:57:25 actually keep the if you go back to that Deloitte 14:57:31 schedule there, that one that we're looking at, 14:57:36

2			1	
Correct, up at the top on the right?		Page 216		Page 217
A. Yeah, I'm just looking down the 14:57:59 tensor the schedules of can freus on the whole 14:58:01 picture. Q. Sure. 14:58:03 Q. Olay. Soyu would agree with me 14:58:09 that development cost, even just in your own thing, 14:59:02 phase cornect? that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 that development cost, even just in your own thing, 14:59:02 A. That depends on the contexto, 14:59:09 the schedules about your estimate. 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also. Some of the owner imanagement costs go 14:59:13 to cost also some of the owner imanagement costs go 14:59:13 to cost also some of the owner imanagement costs go 14:59:13 to cost also some of the owner imanagement costs g	1	just a division. 3.4 percent of the project total, 14:57:53	1	Q. So if development starts on 14:59:44
February 2011, 2014, a date of September 4th, 2012, 145948	2	correct, up at the top on the right? 14:57:55	2	February the 11th 14:59:46
5	3		3	A. Yeah. 14:59:48
Colorect	4	rest of the schedule so I can focus on the whole 14:58:01	4	Q February 2011, and runs to 14:59:48
A. Okay	5	picture. 14:58:03	5	February 11th, 2014, a date of September 4th, 2012, 14:59:52
8	6	Q. Sure. 14:58:04	6	the date you used to exchange the currency, is about 15:00:00
## 14.59.07 1.500.18 1.500.19 1.500.29	7	A. Okay. 14:58:58	7	halfway through that; right? 15:00:03
10	8	Q. Okay. So you would agree with me 14:58:59	8	A. Well, slightly. Not quite. 15:00:12
1.1	9		9	- ·
12	10		10	
13	11	budget; correct? 14:59:07		Q. So, in fact, by that point, very 15:00:20
A. Yeah, exactly, because development 14:59:13 14 A. I can't comment as to how much 15:00:25 15:00:35 15:00:35 16:00:4			1	The state of the s
15 costs also. Some of the owner management costs go 14:59:19 15 16 17 17 17 17 17 17 18 17 19 18 18 19 18 19 18 19 19				
16		· · · · · · · · · · · · · · · · · · ·		A. I can't comment as to how much 15:00:25
17 Q. Now, if we're in September — 14:59:24 17 14:59:25 18 29 20 20 20 20 21 22 20 22 20 23 23 24 24 25 23 24 25 25 24 25 25 26 26 26 26 27 27 27 28 27 28 28 28				• •
18			1	
September of 2012, which is the date of foreign 14:59:28 20 20 20 21 21 22 23 24 24 25 24 25 25 26 26 27 27 27 28 28 28 29 28 29 29 29			1	
exchange you've used in your reports 14:59:30 20 O. P. For development costs as well; 15:00:52 22 20 22 20 23 24 25 24 25 25 25 25 26 27 27 27 28 27 28 28 29 28 29 29 29 20 20 20 20 20				
21		1	1	
22			1	
23 starting February 11th and running until 14:59:38				
Page 218 Page 218 Page 218 Page 218 Page 218 Page 219			1	The state of the s
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to schedules. That's not what we were asked to 15:02:54 Q. Now, so now let's do a little math 15:04:14	14 15 16 17 18 19 20 21	would be spent during the entire development period, 15:02:28 if we hadn't gone through the entire development 15:02:30 period, it is logical to assume, is it not, that 15:02:33 less than 3.4 percent had been spent? 15:02:36 A. Well, you can make inferences as 15:02:38 to how much money is spent when. You can model it, 15:02:40 for example. 15:02:43 Q. So you would not agree with me 15:02:44 A. I don't I provide an overall 15:02:46	13 14 15 16 17 18 19 20 21	A. Yeah. 15:03:43 Q. So you bought a difference of 15:03:43 of exchange rate of 1.51 on February 11th, 2014, 15:03:43 which is the date of financial close in the Sgurr 15:03:45 schedule. 15:03:48 You used, in your report, an exchange 15:03:50 rate of 1.24. 15:03:53 A. We used an exchange rate of 1.24. 15:03:57 Q. All I'm asking is, that's 27 cents 15:04:05
	14 15 16 17 18 19 20 21	would be spent during the entire development period, 15:02:28 if we hadn't gone through the entire development 15:02:30 period, it is logical to assume, is it not, that 15:02:33 less than 3.4 percent had been spent? 15:02:36 A. Well, you can make inferences as 15:02:38 to how much money is spent when. You can model it, 15:02:40 for example. 15:02:43 Q. So you would not agree with me 15:02:44 A. I don't I provide an overall 15:02:46 cost estimate and, yeah, I don't want to say how to 15:02:48	13 14 15 16 17 18 19 20 21 22	A. Yeah. 15:03:43 Q. So you bought a difference of 15:03:43 of exchange rate of 1.51 on February 11th, 2014, 15:03:43 which is the date of financial close in the Sgurr 15:03:45 schedule. 15:03:48 You used, in your report, an exchange 15:03:50 rate of 1.24. 15:03:57 Q. All I'm asking is, that's 27 cents 15:04:05 on the dollar difference; right. 15:04:07
provide. 15:02:57 25 and test the sensitivities of what you have done 15:04:18	14 15 16 17 18 19 20 21 22 23	would be spent during the entire development period, 15:02:28 if we hadn't gone through the entire development 15:02:30 period, it is logical to assume, is it not, that 15:02:33 less than 3.4 percent had been spent? 15:02:36 A. Well, you can make inferences as 15:02:38 to how much money is spent when. You can model it, 15:02:40 for example. 15:02:43 Q. So you would not agree with me 15:02:44 A. I don't I provide an overall 15:02:46 cost estimate and, yeah, I don't want to say how to 15:02:48 you much money was spent when and exactly according 15:02:51	13 14 15 16 17 18 19 20 21 22 23	A. Yeah. 15:03:43 Q. So you bought a difference of 15:03:43 of exchange rate of 1.51 on February 11th, 2014, 15:03:43 which is the date of financial close in the Sgurr 15:03:45 schedule. 15:03:48 You used, in your report, an exchange 15:03:50 rate of 1.24. 15:03:53 A. We used an exchange rate of 1.24. 15:03:57 Q. All I'm asking is, that's 27 cents 15:04:05 on the dollar difference; right. 15:04:07 A. Yes. 15:04:12
	14 15 16 17 18 19 20 21 22 23 24	would be spent during the entire development period, 15:02:28 if we hadn't gone through the entire development 15:02:30 period, it is logical to assume, is it not, that 15:02:33 less than 3.4 percent had been spent? 15:02:36 A. Well, you can make inferences as 15:02:38 to how much money is spent when. You can model it, 15:02:40 for example. 15:02:43 Q. So you would not agree with me 15:02:44 A. I don't I provide an overall 15:02:46 cost estimate and, yeah, I don't want to say how to 15:02:51 to schedules. That's not what we were asked to 15:02:54	13 14 15 16 17 18 19 20 21 22 23 24	A. Yeah. 15:03:43 Q. So you bought a difference of 15:03:43 of exchange rate of 1.51 on February 11th, 2014, 15:03:43 which is the date of financial close in the Sgurr 15:03:45 schedule. 15:03:48 You used, in your report, an exchange 15:03:50 rate of 1.24. 15:03:53 A. We used an exchange rate of 1.24. 15:03:57 Q. All I'm asking is, that's 27 cents 15:04:05 on the dollar difference; right. 15:04:07 A. Yes. 15:04:12 Q. Now, so now let's do a little math 15:04:14

		1	
	Page 220		Page 221
1	simply based upon foreign exchange. 15:04:22	1	BY MR. SPELLISCY: 15:05:41
2	A. Yeah with the dates. I thought 15:04:24	2	Q. And you'll see here this is a the 15:05:41
3	you were going to go on a date. That's why I asked 15:04:27	3	number. So this was your total number in Euros 15:05:44
4	for 15:04:29	4	converted to Canadian dollars on September the 4th, 15:05:46
5	Q. No. We're going to do we're 15:04:30	5	2012, and that was 1.285910000 that you provided in 15:05:49
6	going to talk about the sensitivity analysis to 15:04:31	6	your report. 15:05:55
7	foreign exchange rates. 15:04:34	7	That was the number you provided in 15:05:56
8	A. Uh-hmm. 15:04:35	8	your report, okay? 15:05:57
9	Q. And I'm going to ask that we're 15:04:35	9	A. Yeah. 15:05:58
10	going to hand out a demonstrative. I'm going to 15:04:37	10	MR. SPELLISCY: Now, if we go to the 15:05:59
11	have Donnie pull it up on the screen as well. 15:04:40	11	next, keep going. 15:06:01
12	MR. SPELLISCY: Can we go confidence 15:05:11	12	BY MR. SPELLISCY: 15:06:05
13	on this? I'm sure that anything we'll be talking 15:05:12	13	Q. Let's apply the exchange rate on 15:06:05
14	about is confidential, but there are probably some 15:05:14	14	February 11th, 2014, the actual date of scheduled 15:06:07
15	background screens. Probably too small for anybody, 15:05:17	15	financial close of 1.51. 15:06:11
16	but we should go confidential. 15:05:19	16	The total cost comes to doing math, 15:06:14
17	Confidential transcript begins 15:05:21	17	\$1.564 billion. It's about half. Does that look 15:06:16
18	MR. SPELLISCY: Good. Okay, Donnie, 15:05:30	18	right to you? 15:06:24
19	you can pull it back up. 15:05:31	19	A. Yeah. 15:06:24
20	BY MR. SPELLISCY: 15:05:33	20	Q. All right. So if we divide 1.564 15:06:24
21	Q. So what we have here is that same 15:05:33	21	by 1.285, it's a 22 higher percent total cost based 15:06:30
22	schedule that we were looking at from the Low and 15:05:35	22	just on updating the rate of exchange for the 15:06:36
23	Taylor report. 15:05:38	23	Canadian to Eurodollars; correct? 15:06:39
24	MR. SPELLISCY: And if you can go to 15:05:38	24	A. Yes. 15:06:43
25	the next one, Donnie. 15:05:39	25	Q. Now I want to we'll keep up 15:06:43
	Page 222		Page 223
1	this up because I want to come and talk to you about 15:06:50	1	research costs; correct? 15:08:12
2	the Siemens agreement. 15:06:53	2	A. Yes, that's correct. 15:08:16
3	Now, in your report we'll stay in 15:07:02	3	Q. So those research costs don't come 15:08:16
4	confidential for this because we're going to talk 15:07:14	4	from the agreement between Siemens and Windstream; 15:08:18
5	about some of the numbers in the TSA. 15:07:15	5	correct? 15:08:20
6	So, on page 36 of your report, in 15:07:18	6	A. Correct. 15:08:22
7	paragraph 92, in the first line you write that: 15:07:21	7	Q. Did you even see that agreement? 15:08:22
8	"Windstream and Siemens had signed 15:07:30	8	A. No, I haven't seen that agreement. 15:08:24
9	by January 2012 a binding 15:07:32	9	Q. All right. Well, let's try to see 15:08:45
10	agreement." [As read] 15:07:36	10	if we can put this to you. I don't have it in your 15:08:50
11	And those are your words "Binding 15:07:37	11	binder, I think, but perhaps we can pull up the 15:08:55
12	agreement": 15:07:39	12	Siemens Windstream turbine sales agreement. 15:08:59
13		13	MR. SPELLISCY: And I actually want to 15:09:02
		14	pull up the item on costs, which Heather will likely 15:09:03
		15	know the exhibit number off by heart for Donnie, or 15:09:06
		16	I'll put her on the spot and make her 15:09:09
		17	The schedule A01. It's frightening 15:09:14
18	Q. But you did write those words. 15:07:49	18	what we remember. Not me. 15:09:27
19	And in fact, you wrote those words again in 15:07:52	19	BY MR. SPELLISCY: 15:09:31
20	paragraph 83 of your report; correct? 15:07:54	20	Q. This is an excerpt from, as you 15:09:39
21	A. Yes. Once again, I'd have to say 15:07:56	21	see, Wolfe Island Shoals, Siemens turbine supply 15:09:40
22	that that was in the record in the public domain. 15:07:58	22	agreement, contract schedules. And SO if we go to 15:09:44
23	Q. Now, at the end of paragraph 83 of 15:08:02	23	the next page of this document 15:09:49
0.4			
24 25	your report, you say that what you used was, in 15:08:06 fact for your turbine estimates was, in fact, 15:08:09	24	PRESIDENT: Can we have the exhibit 15:09:50







cexpensive. It's 9.6 million U.S., per megawatt; 15:25:12 15:25:16 25:26:16 25:26:16 25:26:16 25:26:16 25:26:16 25:26:16 25:26:16 25:26:26 25			1	
2 correct? 15:25:16 3 validity to it, ditto for Cape Wind one. Just 15:26:29 4 which might be equally valid and come up with 15:25:18 5 another figure. The point I'm trying to say 15:25:20 5 without - is that you cost? 1 - mean do you 15:25:22 5 know that? That cost that you are suggesting, is 15:25:25 5 20 Well, let me just - well, it's 15:25:31 10 based on Mr. Guillet's testimory, 1 guess, but it's 15:25:33 11 also based on public documents. 1 guess 11 ks 15:25:34 12 your. Your job is to track and research costs and 15:25:34 13 your provided an estimate based upon the matches based upon the matches and long that, you didn't pay 15:25:44 14 particular attention to the only two projects in 15:25:44 15 particular attention to the only we project in detail 15:25:54 18 agrounding - a bottom up sort of costing secretise 15:26:15 18 agrounding - a bottom up yort of costing secretise 15:26:16 18 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom up yort of costing secretise 15:26:16 19 agrounding - a bottom whereas 15:26:16 19 agrounding - a bottom whereas 15:27:41 19 agrounding - a bottom of projects if whereas 15:27:42 19 agrounding - a bottom of projects if whereas 15:26:16 19 agrounding - a bottom of projects if whereas 15:27:42 19 agrounding - abottom of projects if whereas 15:27:42 19 agroundi		Page 236		Page 237
4 which might be equally valid and come up with 15:25:16 without – is that your cost? I – mean, do you 15:25:20 for without – is that your cost? I – mean, do you 15:25:25 for that a known cost? Has a – what is it based on? 15:25:28 for that a known cost? Has a – what is it based on? 15:25:28 for that a known cost? Has a – what is it based on? 15:25:28 for that a known cost? Has a – what is thased on? 15:25:28 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost in dealth of the similarities without looking at elial. 15:26:30 for which is similarities without looking at elial. 15:26:38 for which is similarities without looking at least that is similarities without looking at least that is similarities without looking at least that is similar without looking at least that is similar without looking at least that is similarities without looking at least that is similar without looking at least that is similar with comparable projects? Okay? 15:26:40 featiled research, all across the supply chain. 15:26:12 for least that is understanding was that the cost for 15:27:28 for least that is understanding was that the cost for 15:27:28 for least that is understanding was that the cost for 15:27:28 for least that is understanding was that the cost for 15:27:28 for like the cost people and we came up with a cost estimate 15:26:10 for least that is understanding was that the cost for 15:27:28 for like the cost people and we came up with a cost estimate 15:26:10 for least that is understanding was that the cost for 15:27:28 for like the cost of projects? Okay? 15:26:18 for least that the cost for 15:27:28 for like the cost of projects? Okay? 15:28:10 for least that is understanding was that the cost for 15:2	1	expensive. It's 9.6 million U.S. per megawatt; 15:25:12	1	number I don't know if the developer holds any 15:26:26
4 which might be equally valid and come up with 15:25:16 without – is that your cost? I – mean, do you 15:25:20 for without – is that your cost? I – mean, do you 15:25:25 for that a known cost? Has a – what is it based on? 15:25:28 for that a known cost? Has a – what is it based on? 15:25:28 for that a known cost? Has a – what is it based on? 15:25:28 for that a known cost? Has a – what is thased on? 15:25:28 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost? Has a – what is thased on? 15:25:38 for that a known cost in dealth of the similarities without looking at elial. 15:26:30 for which is similarities without looking at elial. 15:26:38 for which is similarities without looking at least that is similarities without looking at least that is similarities without looking at least that is similar without looking at least that is similar without looking at least that is similarities without looking at least that is similar without looking at least that is similar with comparable projects? Okay? 15:26:40 featiled research, all across the supply chain. 15:26:12 for least that is understanding was that the cost for 15:27:28 for least that is understanding was that the cost for 15:27:28 for least that is understanding was that the cost for 15:27:28 for least that is understanding was that the cost for 15:27:28 for like the cost people and we came up with a cost estimate 15:26:10 for least that is understanding was that the cost for 15:27:28 for like the cost people and we came up with a cost estimate 15:26:10 for least that is understanding was that the cost for 15:27:28 for like the cost of projects? Okay? 15:26:18 for least that the cost for 15:27:28 for like the cost of projects? Okay? 15:28:10 for least that is understanding was that the cost for 15:2	2		2	
which might be equally valid and come up with 15/25/18	3	A. I could pick a different number 15:25:16	3	because the number exists doesn't necessarily make 15:26:35
without = is that your cost? 1 = mean, do you 15:25:25 5 1	4		4	it valid. It takes a bit of scrutiny, and the 15:26:38
Row that? That cost that you are suggesting, is 15:25:25 15 20 Well, let me just — well, it's 15:25:31 10 20 20 20 20 20 20 2	5	another figure. The point I'm trying to say 15:25:20	5	put-ins have to be comparable, of course. 15:26:48
## that a known cost? Has a — what is it based on? 15:25:28 Q. Well, let me just — well, it's 15:25:31 Desied on Mr. Guille's testimony, I guess, but it's 15:25:33 also based on public documents. I guess I'll ask 15:25:38 Desied on Mr. Guille's testimony, I guess, but it's 15:25:38 Desied on Mr. Guille's testimony, I guess, but it's 15:25:38 Desied on Mr. Guille's testimony, I guess, but it's 15:25:38 Desied on Justine and the sind of the similarities without looking at details. 15:26:59 Desire the similar ties without looking at details. 15:26:59 Desire the similarities without looking at details. 15:26:59 Desire the similar it is without looking at details. 15:26:59 Desire the similar it is without looking at details. 15:26:59 Desire the similar it is without looking at details. 15:26:59 Desire the similar it is without looking at details. 15:26:59 Desire the similar it is without looking at details. 15:26:59 Desire the similar less without looking at details. 15:26:59 Desire the similar less without looking at details. 15:26:59 Desire the similar less without looking at the similar liste to consider the similar lates. 15:26:19 Desire the similar less without looking at latine. 15:26:19 Desire the similar less without looking at latine. 15:26:19 Desire the development of the similar list.	6	without is that your cost? I mean, do you 15:25:22	6	Q. Right. 15:26:51
based on Mr. Guillet's testimony, I guess, but it's 15:25:31 also based on public documents. I guess: Ill ask 15:25:36 you: Your job is to track and research costs and 15:25:38 you provided an estimate based upon the market 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 by particular attention to the only two projects in 15:25:44 a grounding — a bottom up sort of costing exercise 15:25:53 a grounding — a bottom up sort of costing exercise 15:25:57 and not at the time costs of projects that weren't 15:26:00 built, and we did it so we did bottom up. A lot of 15:26:00 a detaide research, all across the supply chain, 15:26:12 a provided an estimate based upon the market 15:26:15 a provided an estimate based upon the market 15:26:10 bere, right'? So we looked at known costs in detail 15:26:12 a provided an estimate based upon the market 15:26:00 a particular attention to the only two projects: on 15:27:48 a grounding — a bottom up sort of costing exercise 15:25:53 and not at the time costs of projects that weren't 15:26:00 built, and we did it so we did bottom up. A lot of 15:26:00 a detaide research, all across the supply chain, 15:26:12 a provided an estimate based upon the market 15:26:12 a like going to come out to, I think, around \$6\$ 15:27:44 2	7	know that? That cost that you are suggesting, is 15:25:25	7	A. I agree with you it's in North 15:26:51
based on Mr. Guillet's testimony, I guess, but it's 15.25:33 10 Q. Well, lef's talk about Cape Wind 15.26:59 11 2 your. Your job is to track and research costs and 15.25:38 12 you provided an estimate based upon the market 15.25:41 13 2 you provided an estimate based upon the market 15.25:41 14 analysis, and in doing that, you didn't pay 15.25:44 15 particular attention to the only two projects in 15:25:46 15 particular attention to the only two projects in 15:25:46 15 North America?	8	that a known cost? Has a what is it based on? 15:25:28	8	America. I wouldn't like to comment on any other of 15:26:53
then, because I think you were here when the witness 15: 25: 36 you. Your job is to track and research costs and 15:25:38 you provided an estimate based upon the market 15:25:41 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 analysis, and in doing that, you didn't pay 15:25:44 has analysis, and in doing that, you didn't pay 15:25:46 look north America? 15:22:548 look look dat known costs in detail 15:25:57 and not at the time costs of projects that werent 15:26:00 look look dat known costs in detail 15:26:15 look look to people and we came up with a cost estimate 15:26:15 spoke to people and we came up with a cost estimate 15:26:15 that's similar with comparable projects? Okay? 15:26:18 look north America? 15:27:44 look north America? 15:26:15 look north America. 15:26:15 look	9	Q. Well, let me just well, it's 15:25:31	9	the similarities without looking at details. 15:26:56
13	10	based on Mr. Guillet's testimony, I guess, but it's 15:25:33	10	Q. Well, let's talk about Cape Wind 15:26:59
you provided an estimate based upon the market 15;25;41 analysis, and in doing that, you didn't pay 15;25;44 15 particular attention to the only two projects in 15;25;48 15 particular attention to the only two projects in 15;25;48 16 North America? 15;25;48 17 A. Well, I didn't look — we did 15;25;51 18 a grounding — a bottom up sort of costing exercise 15;25;53 19 here, right? So we looked at known costs in detail 15;25;57 20 and not at the time costs of projects that weren't 15;26:00 21 22 23 built, and we did it so we did bottom up. Al tot of 15;26:00 22 24 that's similar with comparable projects? Okay? 15;26:15 23 3 U.S.—S6 million U.S. per megawatt, correct, for 15;27:28 3 10 U.S.—S6 million U.S. per megawatt bigher 15;28:10 40 A. Once again, the same logic is 15;28:13 A. Once again, the same logic is 15;28:13 from Mr.—one of the claimants' witnesses. 15;28:44 MR. TERRY: Because I recall this 15;28:45 evidence very clearly. This was —this was the 15;28:45 weeks witness, Rick Palmer, yesterday. What he was 15;28:56 MR. TERRY: Because I recall this 15;28:56 Meeks witness, Rick Palmer, yesterday. What he was 15;28:56 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and ror really sure, but I can speculate it was around 15;28:58 12 and real real was a sinch surface. The	11	also based on public documents. I guess I'll ask 15:25:36	11	then, because I think you were here when the witness 15:27:02
14	12	you: Your job is to track and research costs and 15:25:38	12	from it's either COWI or Weeks Marine, in answer 15:27:04
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from Mr one of the claimants' witnesses. 15:28:40 MR. TERRY: Sorry. Can I just 15:28:44 clarify? 15:28:44 MR. SPELLISCY: Yes. 15:28:45 MR. TERRY: Because I recall this 15:28:45 MR. TERRY: Because I recall this 15:28:45 Weeks witness, Rick Palmer, yesterday. What he was 15:28:50 asked, he was asked about the costs and he said, I'm 15:28:56 not really sure, but I can speculate it was around 15:28:58 13 of confidential, I guess, yes. 15:30:31 Confidential transcript ends 15:30:32 Confidential transcript ends 15:30:3		1		
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not really sure, but I can speculate it was around 15:28:58 21 clarify for the witness what the role was that the 15:31:				* *
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22 \$2 billion. And that project is also, I believe, is 15:29:01 22 Brattle Group and that the Brattle Group was playing 15:	22	\$2 billion. And that project is also, I believe, is 15:29:01	22	Brattle Group and that the Brattle Group was playing 15:31:06
for 468 megawatts, not 364 megawatts. So I think if 15:29:04 23 in this testimony? 15:31:09				
in this testimony.				•
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	Page 240		Page 241
1	together. 15:31:13	1	MR. TERRY: And it's a fairly long 15:32:10
2	MR. TERRY: Well, I think you have to 15:31:14	2	document, I believe, so we may need the time to read 15:32:11
3	read the document from the very top and give the 15:31:15	3	through it, so hopefully we can do it in ten 15:32:13
4	witness the proper context and the full document to 15:31:17	4	minutes. 15:32:16
5	understand who the witnesses are who are testifying 15:31:19	5	Recess taken at 3:32 p m. 15:32:17
6	here and what the context of this is. 15:31:21	6	Upon resuming at 3:48 p m. 15:32:18
7	It's the only fair way to do it. 15:31:23	7	PRESIDENT: Yes, Mr. Spelliscy. 15:48:22
8	PRESIDENT: Fair enough. The Tribunal 15:31:34	8	MR. SPELLISCY: Thank you. 15:48:28
9	would also appreciate the context. 15:31:35	9	The document that we pulled up is not 15:48:31
10	MR. SPELLISCY: Let's go up to the to 15:31:37	10	the document I was thinking about, so we're going to 15:48:32
11	of the document then. And in fact, maybe what 15:31:37	11	pull up a different document. R-0373. 15:48:35
12	I will ask is for just a couple of minutes so I can 15:31:38	12	PRESIDENT: It's good we had the 15:48:42
13	go and get that context. We can take a brief 15:31:39	13	break. 15:48:44
14	five-minute break and then we can come back, after I 15:31:43	14	MR. SPELLISCY: Because indeed, we 15:48:45
15	look at the document and pull it up. 15:31:43	15	would have spent a long time reading a long 15:48:45
16	PRESIDENT: Yes. In fact, I was going 15:31:44	16	document. 15:48:51
17	to suggest that we have a brief break now, so 15:31:45	17	BY MR. SPELLISCY: 15:48:51
18	MR. SPELLISCY: Did we want our 15:31:49	18	Q. Now, this is a press report 15:48:51
19	afternoon break or do we want our I should say 15:31:50	19	published in Bloomberg Business Week. It refers 15:48:53
20	that I should say that I have very little left, 15:31:51	20	there in the second paragraph that: 15:49:00
21	as in this may be my final question. 15:31:55	21	"The loan is contingent on 15:49:01
22	PRESIDENT: It may be your final 15:31:57	22	Cape Wind securing the total 2.6 15:49:11
23	question, so then it justifies an even longer break. 15:31:59	23	billion in financing it needs." 15:49:12
24	Let's have a ten-minute break. You 15:32:03	24	[As read] 15:49:14
25	can have a look at the document in peace and quiet. 15:32:05	25	You see that? 15:49:15
	Page 242		Page 243
1	A. Yes. 15:49:15	1	A. Yeah, I don't think you're making 15:50:25
2	Q. So even if it's 468 megawatts, 15:49:17	2	a reasonable comparison, though. I mean I'm just 15:50:26
3	that's for the full project. It's unclear there. 15:49:19	3	reading the article to remind myself. I don't 15:50:35
4	I think Mr. Palmer is talking about phases. But for 15:49:20	4	necessarily think the full context is here. 15:50:57
5	the full project, that 5.6 million per megawatt, 15:49:23	5	Normally, if I was working, 15:50:59
6	U.S. dollars; correct? 15:49:28	6	I wouldn't necessarily just take one article; 15:51:04
7	A. Sorry, I was reading the rest of 15:49:29	7	I would look at more and further, but I understand 15:51:07
8	it 15:49:31	8	your observation. However, the project has is in 15:51:10
9	Q. Just doing the math. I was just 15:49:34	9	a different place in a different country. I don't 15:51:17
10	doing the math. The 2.6 billion in financing for a 15:49:41	10	know where the locals what supply chain it's 15:51:19
11	468-megawatt project? 15:49:44	11	using. 15:51:22
12	A. What are you saying the value is? 15:49:49	12	I don't know I don't know whether 15:51:23
13	Q. 5.6 million U.S. dollars per 15:49:51	13	the supply chains or what the manufacturing 15:51:26
14	megawatt. 15:49:54	14	facilities are. I know it's got an offshore 15:51:28
15	A. Uh-hmm. 15:49:56	15	substation and a lot of cabling, but perhaps it's 15:51:33
16	Q. That sound about right? 15:49:57	16	been buried. 15:51:37
17	A. I will refer to your math, sir. 15:50:00	17	I would have to do a bottom-up cost 15:51:38
18	Q. That's higher than the estimate 15:50:03	18	assessment to really to really sort of sort of 15:51:41
19	you gave for the Windstream Wolfe Island Shoals; 15:50:04	19	work out where the differences are. 15:51:54
20	correct? 15:50:07	20	Q. And you didn't do that for the 15:51:56
21	A. Yes. That's correct, yeah. 15:50:07	21	purposes of this arbitration? 15:51:58
22	Q. And if we divided the revised 15:50:09	22	A. Compared to Cape Wind? 15:52:00
23	estimate I had, which was about \$1.7 billion, by 15:50:12	23	Q. Yes. 15:52:01
24	about 300 megawatts, it comes much closer to 15:50:17	24	A. No. I looked at the the 15:52:02
25	5.6 billion 5.6 million in megawatt, doesn't it? 15:50:21	25	scenario for Wolfe Island Shoals. You know, we 15:52:07

1	Page 244		
1	1 age 244		Page 245
1	and at the time Cape Wind was far off. And it's not 15:52:12	1	Windstream's estimates about, you know, documents, 15:53:56
2	been built either. So, that's yeah, I just don't 15:52:19	2	other documents about price. 15:53:59
3	necessarily think it's a valid comparison. 15:52:24	3	Do you know why Windstream asked you 15:54:01
4	MR. SPELLISCY: Thank you. I don't 15:52:29	4	for an independent estimate? 15:54:02
5	have any other questions. 15:52:30	5	A. No. We just provided an 15:54:09
6	PRESIDENT: Thank you, Mr. Spelliscy. 15:52:33	6	independent estimate of the project costs. That was 15:54:10
7	Any questions on redirect? 15:52:35	7	our what we were asked to do. 15:54:17
8	MR. TERRY: Yes, a few. 15:52:39	8	Q. Okay. 15:54:19
9	PRESIDENT: Yes. Please go ahead. 15:52:41	9	A. So we reviewed the we reviewed 15:54:20
10	RE-EXAMINATION BY MR. TERRY: 15:52:43	10	the project and looked at other projects and in 15:54:22
11	Q. Mr. Aukland, just briefly on that 15:52:57	11	similar environments and did a bottom-up cost, and 15:54:29
12	article we just looked at, why is it that you 15:52:58	12	as I showed, we it's similar to those projects in 15:54:33
13	wouldn't find cost information in your database 15:53:00	13	the Baltic Sea. 15:54:37
14	about projects that haven't been built? 15:53:03	14	Q. Okay. 15:54:38
15	A. Well, normally the costs are 15:53:07	15	MR. TERRY: For this next question, if 15:54:43
16	announced at financial close that an investment has 15:53:16	16	I could bring up slides that you had done and 15:54:44
17	been put into the project. And normally we 15:53:19	17	perhaps Mr. Kennedy could assist with that. It's 15:54:54
18	communicate with the developers or other people to 15:53:20	18	the slide that it shows the comparable cost here. 15:54:58
19	make sure we get reliable costs. 15:53:28	19	Just go back a little bit. It's the one that has 15:55:08
20	Q. Okay. And just by way of 15:53:34	20	it has the conference board information on it. That 15:55:20
21	explaining the nature of your report here, you'll 15:53:37	21	one. 15:55:28
22	recall that in answer to questions that 15:53:42	22	BY MR. TERRY: 15:55:29
23	Mr. Spelliscy was asking you, you said that 15:53:46	23	Q. And do you recall that in answer 15:55:29
24	Windstream had asked you to do an independent 15:53:51	24	to one of Mr. Spelliscy's questions about the 15:55:31
25	objective analysis without reviewing any of 15:53:53	25	documents that existed at the time before the 15:55:34
	Page 246		Page 247
1	moratorium, you referred to the Conference Board of 15:55:42	1	MR. TERRY: If you could just hand 15:56:42
2	Canada report? Just wondering if you recall that 15:55:44	2	that to the thank you. 15:56:43
3	question. 15:55:53	3	A. I've got one. 15:57:06
4	A. That the documents exist before 15:55:53	4	Q. And for the record, this is C-396. 15:57:06
5	the time of the moratorium. 15:55:55	5	And you recall that in answer to the question, you 15:57:20
6	Q. And you answered him you 15:55:57	6	referred to the fact that that report existed in 15:57:22
7	referred to having reviewed the Conference Board of 15:55:58	7	December 2010, and that it provided information that 15:57:26
8	Canada report, which, of course, is at the top of 15:56:01	8	you found particularly useful. 15:57:33
9	this document. 15:56:04	9	A. Uh-hmm. 15:57:35
10	A. Yeah. 15:56:05	10	Q. Could you explain to me why you 15:57:36
11	Q. I'd like to just hand you a copy 15:56:05	11	found this information particularly useful in terms 15:57:37
12	of that conference board report. 15:56:07	12	of validating your cost assessment? 15:57:40
13	MR. SPELLISCY: I think we didn't go 15:56:15	13	A. Well, this research is highly 15:57:44
14	to this report at all. I'm wondering how this is in 15:56:16	14	relevant because it's set in a Canadian context at 15:57:51
15	response directly to questions that I had. 15:56:19	15	the time. And the information in it, the costing 15:57:55
16	MR. TERRY: You can check the 15:56:21	16	is is the turbine costing is provided by 15:58:03
17	transcript, but I recall 15:56:22	17	Vestas, who is a leading turbine supplier looking to 15:58:08
18	PRESIDENT: There were questions about 15:56:25	18	operate in the expected coming offshore wind market. 15:58:16
19	the conference board and the timing in relation to 15:56:26	19	So the timing of this report is right, 15:58:22
20	the to 2014. 15:56:28	20	and the the the project in fact, it is the 15:58:25
21	So let's see where this goes. 15:56:29	21	Wolfe Island Shoals project which is mentioned on 15:58:35
22	MR. SPELLISCY: I won't object to 15:56:31	22	table 4 on page 12, if you look at that. That 15:58:43
	questions on timing, of course, but 15:56:32	23	typical 300-megawatt project. 15:58:51
23			
23 24	BY MR. TERRY: 15:56:35	24	And if you look back at Table 3 on the 15:58:57
	BY MR. TERRY: 15:56:35 Q. And sorry. 15:56:37	24 25	And if you look back at Table 3 on the 15:58:57 previous page, you'll see that the second project 15:58:58

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	Page 248		Page 249
1	down is Wolfe Island Shoals and you'll see the 15:59:06	1	A. That's the year of commercial 16:00:26
2	in-service year is 2016 and the total capital cost 15:59:11	2	operations, so when the project would be fully 16:00:28
3	is 1290. 15:59:17	3	commissioned. 16:00:30
4	Now, this report I did not review 15:59:21	4	So it's the same this this 16:00:35
5	until after I had submitted my report, and it's 15:59:26	5	independent well, it's done by Vestas for the 16:00:38
6	the difference is 5 million. 15:59:31	6	Conference Board of Canada at the right time and it 16:00:40
7	Q. Well, you say "the difference is 15:59:35	7	comes up with a as an independent forecast of the 16:00:47
8	5 million," can you explain what you mean by that? 15:59:36	8	costs which cross validate very well. It is 16:00:51
9	A. Well, the difference in the total 15:59:38	9	actually the same cost that I came up with and 16:00:56
10	capital cost predicted in 2010, of December 2010 and 15:59:39	10	without even knowing about this document. So I feel 16:00:58
11	the difference between the cost in this report and 15:59:45	11	were to corroborate each other quite well. 16:01:02
12	the cost that my bottom-up detailed forecast 15:59:47	12	Q. And I suspect you may not know the 16:01:05
13	produced, the only difference is 5 million Canadian 15:59:50	13	answer to this, but I should probably ask it. Do 16:01:07
14	dollars, in total. 15:59:54	14	you know can you tell us anything about the 16:01:11
15	And I don't know whether there is a 15:59:55	15	Conference Board of Canada? 16:01:13
16	percent without doing the math, but it's not a lot. 15:59:57	16	A. Well, I did look into it because, 16:01:14
17	It's minor. 16:00:00	17	of course, that would be a credible thing to do. 16:01:15
18	And the turbine costs in here were 16:00:02	18	Q. Uh-hmm. 16:01:17
19	provided by Vestas, so I think they are a very good 16:00:04	19	A. And there's well, I don't 16:01:18
20 21	indicator of what could have been expected. 16:00:09	20	I say I looked into it. I read it briefly. There's 16:01:22
22	Q. And you mention with respect to 16:00:12	21 22	some kind of independent research outfit that do 16:01:24
23	Table 3 just now, the in-service year being 2016. 16:00:14	23	produce reports of high credibility. At least that 16:01:29 was my understanding of that, so, yeah. 16:01:34
24	Could you just explain so we all 16:00:20 understand what the what that means by being the 16:00:23	24	was my understanding of that, so, yeah. 16:01:34 Q. Finally, I'd like to take you to 16:01:46
25	in-service year? 16:00:25	25	the second Deloitte report, so the one that was 16:01:50
23	10.00.25		the second Delonte report, so the one that was 10.01.50
	Page 250		Page 251
1	•	1	
1 2	•	1 2	Page 251 Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22
	filed in with the reply materials. 16:01:56		Q. And you'll see again, this is a 16:03:20
2	filed in with the reply materials. 16:01:56 MR. TERRY: And I believe the 16:02:00 Tribunal I'm hoping, sir, is that you have your 16:02:00 own copies of the second Deloitte report. We 16:02:04	2	Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22
2 3 4 5	filed in with the reply materials. 16:01:56 MR. TERRY: And I believe the 16:02:00 Tribunal I'm hoping, sir, is that you have your 16:02:00 own copies of the second Deloitte report. We 16:02:04 haven't been able to make extra copies here over the 16:02:08	2 3	Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22 using, among other things, your costs. And I'd like 16:03:27
2 3 4 5 6	filed in with the reply materials. 16:01:56 MR. TERRY: And I believe the 16:02:00 Tribunal I'm hoping, sir, is that you have your 16:02:00 own copies of the second Deloitte report. We 16:02:04 haven't been able to make extra copies here over the 16:02:08 break, but I'll give the witness a copy. 16:02:10	2 3 4	Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22 using, among other things, your costs. And I'd like 16:03:27 to direct you to Footnote 2. Perhaps you could read 16:03:31 out Footnote 2. 16:03:41 A. "Euros for turbine supply costs 16:03:42
2 3 4 5 6 7	filed in with the reply materials. 16:01:56 MR. TERRY: And I believe the 16:02:00 Tribunal I'm hoping, sir, is that you have your 16:02:00 own copies of the second Deloitte report. We 16:02:04 haven't been able to make extra copies here over the 16:02:08 break, but I'll give the witness a copy. 16:02:10 THE WITNESS: Thank you. 16:02:20	2 3 4 5 6 7	Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22 using, among other things, your costs. And I'd like 16:03:27 to direct you to Footnote 2. Perhaps you could read 16:03:31 out Footnote 2. 16:03:41 A. "Euros for turbine supply costs 16:03:42 have been translated to Canadian dollars as of the 16:03:45
2 3 4 5 6 7 8	filed in with the reply materials. 16:01:56 MR. TERRY: And I believe the 16:02:00 Tribunal I'm hoping, sir, is that you have your 16:02:00 own copies of the second Deloitte report. We 16:02:04 haven't been able to make extra copies here over the 16:02:08 break, but I'll give the witness a copy. 16:02:10 THE WITNESS: Thank you. 16:02:20 BY MR. TERRY: 16:02:20	2 3 4 5 6	Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22 using, among other things, your costs. And I'd like 16:03:27 to direct you to Footnote 2. Perhaps you could read 16:03:31 out Footnote 2. 16:03:41 A. "Euros for turbine supply costs 16:03:42 have been translated to Canadian dollars as of the 16:03:45 forecast foreign exchange rate of financial close as 16:03:49
2 3 4 5 6 7 8 9	filed in with the reply materials. 16:01:56 MR. TERRY: And I believe the 16:02:00 Tribunal I'm hoping, sir, is that you have your 16:02:00 own copies of the second Deloitte report. We 16:02:04 haven't been able to make extra copies here over the 16:02:08 break, but I'll give the witness a copy. 16:02:10 THE WITNESS: Thank you. 16:02:20 BY MR. TERRY: 16:02:20 Q. So this is the my friend took 16:02:20	2 3 4 5 6 7 8	Q. And you'll see again, this is a 16:03:20 this is a table similar to the one we saw before, 16:03:22 using, among other things, your costs. And I'd like 16:03:27 to direct you to Footnote 2. Perhaps you could read 16:03:31 out Footnote 2. 16:03:41 A. "Euros for turbine supply costs 16:03:42 have been translated to Canadian dollars as of the 16:03:45 forecast foreign exchange rate of financial close as 16:03:49 at the date of breach. All other capital costs have 16:03:53
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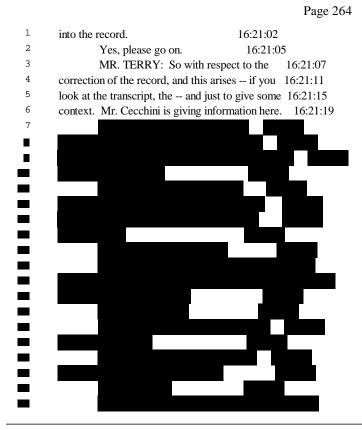
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	Page 252		Page 253
1	DR. CREMADES: In your overview of the 16:04:45	1	eight items 16:06:04
2	presentation of today, you explained that you have 16:04:46	2	THE WITNESS: Uh-hmm. 16:06:05
3	provided a detailed analysis of projected cost 16:04:49	3	DR. CREMADES: I mean, what is the 16:06:06
4	THE WITNESS: Yes. 16:04:53	4	actual situation concerning possible liabilities 16:06:07
5	DR. CREMADES: for Windstream. You 16:04:54	5	vis-a-vis those subcontractors? 16:06:09
6	are the market director and the strategic offshore 16:04:59	6	THE WITNESS: If they if they 16:06:12
7	and wind intelligence. 16:05:03	7	didn't go forward or if they went forward with 16:06:15
8	My question is probably I don't 16:05:04	8	a project? 16:06:16
9	know if it's you are the person to respond to 16:05:06	9	DR. CREMADES: No, no. The actual 16:06:18
10	that, but I guess so. 16:05:08	10	situation. 16:06:19
11	After seeing the commitments of 16:05:11	11	THE WITNESS: Oh, right now? 16:06:20
12	Windstream with possible subcontractors, which 16:05:16	12	DR. CREMADES: Right now. 16:06:21
13	contractor liabilities might be pending about this 16:05:23	13	THE WITNESS: So, I don't know is the 16:06:22
14	subcontracting? I know that they have signed 16:05:28	14	answer to you. 16:06:25
15	a contract with Ortech. They have signed 16:05:31	15	DR. CREMADES: You don't know. 16:06:26
16	a conditional contract with Siemens. I mean, what 16:05:34	16	THE WITNESS: As in so your 16:06:27
17	is the actual situation as a possible subcontractor 16:05:39	17	question is: With regards to Siemens as they stand 16:06:28
18	liabilities of Windstream, in your view? 16:05:44	18	now, what their liabilities or Windstream's 16:06:31
19	THE WITNESS: So, the how do you 16:05:52	19	liabilities, having had those contracts signed? 16:06:35
20	mean the subcontractor liabilities? I'm not sure 16:05:54	20	That's the question, isn't it? 16:06:37
21	I understand the question. 16:05:58	21	DR. CREMADES: Okay. 16:06:40
22	DR. CREMADES: If Windstream has 16:06:00	22	THE WITNESS: So being there's 16:06:40
23	signed a contract in order to get 16:06:01	23	a signed contract in place and what is what are 16:06:41
24	THE WITNESS: Oh, I see. 16:06:03	24	the liabilities are as a result of that as they 16:06:44
25	DR. CREMADES: all these items, 16:06:03	25	stand today 16:06:47
	Page 254		Page 255
1	Page 254	1	Page 255
1	DR. CREMADES: Yes. 16:06:48	1	speculating if I was to say, because I I've 16:08:07
2	DR. CREMADES: Yes. 16:06:48 THE WITNESS: in monetary terms? 16:06:48	2	speculating if I was to say, because I I've 16:08:07 not I've not been involved in the negotiations 16:08:11
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		1	
	Page 256		Page 257
1	spent invested time into looking into the 16:09:26	1	contract at that time. 16:10:41
2	contract in detail. 16:09:28	2	THE WITNESS: Yes. It's not a market 16:10:42
3	MR. BISHOP: You said on cross-exam, 16:09:31	3	price, no. I don't know the ins and outs of what is 16:10:44
4	and I think more than once, that the Siemens 16:09:33	4	in that contract and why that price is what it is, 16:10:49
5	contract would have been subject to renegotiation. 16:09:36	5	but, it's not a market price for a turbine, by 16:10:51
6	THE WITNESS: Yes. 16:09:41	6	a long short. 16:10:56
7	MR. BISHOP: And why was it subject to 16:09:41	7	MR. BISHOP: Okay. Could I take you 16:10:58
8	renegotiation or how could it be renegotiated? 16:09:43	8	to the last slide of your PowerPoint? 16:10:59
9	THE WITNESS: Well, once again, that's 16:09:47	9	THE WITNESS: Yes. 16:11:03
10	what I've been told, that it's subject to 16:09:49	10	MR. BISHOP: The last line on the 16:11:21
11	renegotiation, that it would be renegotiated as the 16:09:52	11	bottom right says that the "costs with comparable 16:11:22
12	procedure went on. 16:09:55	12	projects in similar environments." Which projects 16:11:29
13	I didn't the and my 16:09:56	13	did you consider comparable and in similar 16:11:32
14	understanding as well is because of the the long 16:10:01	14	environments and why? 16:11:36
15	time scales on these procurement processes take, and 16:10:06	15	THE WITNESS: Mainly those in the 16:11:41
16	the fact that it's not a market price, gives 16:10:09	16	Baltic Sea. So we have which is a low salinity 16:11:42
17	credence to that suggestion. But I wouldn't like to 16:10:13	17	environments with low wave heights, no currents and 16:11:49
18	speculate as to the level of certainty of it being 16:10:16	18	low salinity, so it is less corrosive and easier 16:12:00
19	renegotiated. I'm not a contract lawyer. 16:10:21	19	installation. That's the big one of the big 16:12:07
20	MR. BISHOP: You said in 16:10:27	20	factors. 16:12:09
21	cross-examination the same thing, that it was not 16:10:28	21	It also has a similar bottom, ground 16:12:09
22	a realistic turbine price. Was it a realistic 16:10:29	22	conditions in many places. 16:12:14
23	turbine price in December 2011? 16:10:34	23	I'm not I will remind you, I'm not 16:12:16
24	THE WITNESS: No. 16:10:38	24	an engineer. It's not my background, but I do a 16:12:20
25	MR. BISHOP: But they signed the 16:10:41	25	lot I have a lot of general knowledge in this 16:12:23
	Page 258		Page 259
1	Page 258 area. And so it's used similar has the same 16:12:25	1	Page 259 is like storm Christian in 2012 came through and 16:13:55
1 2	•	1 2	
	area. And so it's used similar has the same 16:12:25 ground condition challenges, so it's used on 16:12:28 gravity-based foundations. 16:12:33		is like storm Christian in 2012 came through and 16:13:55 caused many installation problems for months. 16:13:59 And these projects, a lot of them 16:14:02
2	area. And so it's used similar has the same 16:12:25 ground condition challenges, so it's used on 16:12:28	2	is like storm Christian in 2012 came through and caused many installation problems for months. 16:13:59
2	area. And so it's used similar has the same 16:12:25 ground condition challenges, so it's used on 16:12:28 gravity-based foundations. 16:12:33 So, we see the Kärehamn projects, the 16:12:35 Rødsand 2 projects, Nysted, Nysted, I believe Sgurr 16:12:40	2 3 4 5	is like storm Christian in 2012 came through and 16:13:55 caused many installation problems for months. 16:13:59 And these projects, a lot of them 16:14:02 connect to offshore grids. There are many 16:14:07 challenges, the water is very deep. 16:14:11
2 3 4	area. And so it's used similar has the same 16:12:25 ground condition challenges, so it's used on 16:12:28 gravity-based foundations. 16:12:33 So, we see the Kärehamn projects, the 16:12:35 Rødsand 2 projects, Nysted, Nysted, I believe Sgurr 16:12:40 also referred to. These are all gravity-based 16:12:50	2 3 4 5 6	is like storm Christian in 2012 came through and 16:13:55 caused many installation problems for months. 16:13:59 And these projects, a lot of them 16:14:02 connect to offshore grids. There are many 16:14:07 challenges, the water is very deep. 16:14:11 MR. BISHOP: Thank you. 16:14:13
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		1	<u> </u>
	Page 260		Page 261
1	MR. TERRY: In addition, 16:15:27	1	submission during closing? 16:16:47
2	Mr. President, I mentioned yesterday that my friends 16:15:28	2	MR. TERRY: Mr. Mars has set out his 16:16:53
3	and I were discussing potential avenue to deal with 16:15:32	3	evidence, in my respectful submission, very clearly 16:16:54
4	some restricted evidence with respect to the 16:15:37	4	in his witness and we are prepared to rely on that 16:16:59
5	experts. So I'll I've got some submissions on 16:15:41	5	information. 16:17:01
6	that as well, so. 16:15:43	6	But should the Tribunal wish to ask 16:17:01
7	Perhaps I can start with the first 16:15:45	7	questions of him in more detail, I simply want to 16:17:03
8	point that I mentioned. 16:15:47	8	note that, as you know, Mr. Mars is still here and 16:17:05
9	This is just a not really a request 16:15:52	9	is available should the Tribunal wish to do so. 16:17:09
10	but more a statement of our willingness, should the 16:15:54	10	PRESIDENT: Thank you. Anything from 16:17:14
11	Tribunal decide, for example, to exercise its power 16:16:03	11	the Respondent? Any comment on this? 16:17:17
12	under 10.3 of the procedural rule to recall 16:16:07	12	MR. SPELLISCY: I wouldn't expect that 16:17:22
13	a witness. 16:16:10	13	we'd need to call Mr. Mars. I think we're happy to 16:17:24
14	Mr. Mars is here. He wasn't asked on 16:16:11	14	rely on the exhibit as it is. 16:17:27
15	cross-examination, to the best of my recollection, 16:16:14	15	PRESIDENT: And there was another 16:17:31
16	about the evidence he has provided with respect to 16:16:16	16	issue you wished to raise as well? 16:17:31
17	the Turbine Supply Agreement, but we just note the 16:16:18	17	MR. TERRY: Yes, for this issue, I'm 16:17:35
18	Tribunal has the discretion if it wishes to use it. 16:16:22	18	afraid we're going to have to go into that ultra 16:17:36
19	And he, of course, is the person who 16:16:26	19	secret restricted session with just counsel present. 16:17:40
20	was most directly involved with respect to those 16:16:29	20	PRESIDENT: Just counsel present. 16:17:45
21	negotiations. 16:16:32	21	Okay. So fortunately this happens at the end of the 16:17:46
22	So I simply note that for the record. 16:16:33	22	day so. 16:17:51
23	PRESIDENT: Perhaps the question is 16:16:36	23	DR. CREMADES: You can go home. 16:17:53
24	whether there is whether the parties expect that 16:16:38	24	MR. TERRY: And I don't recall. 16:17:55
25	they will be able to deal with these issues by 16:16:40	25	I remember we weren't able to keep experts here last 16:17:55
	Page 262		Page 263
1	time, right, from what I recall? 16:17:57	1	and we had to quickly try to get some additional 16:19:48
2	MR. SPELLISCY: My recollection is 16:18:02	2	information on the record, and this had arisen from 16:19:50
3	that the OPA's request is that this be done with 16:18:04	3	some information that we received from Canada on 16:19:53
4	only counsel present. 16:18:07	4	Tuesday evening of last week, that we had asked 16:19:54
5	PRESIDENT: If it relates to an OPA 16:18:08	5	for or part of the information we had asked 16:19:58
6	issue, then I think the experts have to leave. 16:18:10	6	for with respect to some information that 16:20:03
7	MR. TERRY: And the OPA is our client 16:18:13	7	Mr. Goncalves is relying on in his expert report. 16:20:04
8	in another context, so 16:18:14	8	You will recall that we had that 16:20:11
9	MS. SEERS: We won't 16:18:16	9	examination of Mr. Cecchini, and I have the 16:20:16
10	Restricted Confidential transcript begins 16:18:19	10	transcript here. 16:20:20
11	PRESIDENT: So, the experts are asked 16:18:31	11	Just before going to the transcript, 16:20:21
12	to leave as well. For the record, this is the third 16:18:32	12	let me say that I've there are two things that 16:20:23
13	level of security then. 16:19:13	13	I'd like to with respect, accomplish. 16:20:26
14	MR. SPELLISCY: Super spy level. 16:19:16	14	The first is I believe that the record 16:20:31
15	MR. TERRY: At some point, we're going 16:19:19	15	needs to be corrected. 16:20:35
16	to go even deeper into fourth level. 16:19:20	16	And the second is I'd like to see if 16:20:38
17	PRESIDENT: That will be the 16:19:23	17	we can come up with a mechanism of asking the expert 16:20:41
18	Tribunal's deliberations. 16:19:24	18	about some of this information in a way that allows 16:20:45
19	MR. TERRY: I was going to say. 16:19:26	19	him to be in the room when we're asking them the 16:20:47
20	PRESIDENT: Okay, Mr. Terry. 16:19:28	20	questions, because that would be a more efficient 16:20:51
21	MR. TERRY: So just to give some 16:19:30	21	process. 16:20:52
22	background, you will recall that there was somewhat 16:19:31	22	PRESIDENT: It is. 16:20:57
23	chaotic cross-examination of Mr. Cecchini. 16:19:39	23	MR. TERRY: Pragmatism is our is 16:20:58
24	No disrespect to my colleague 16:19:43	24	our motto. 16:20:59
25	Ms. Seers here, but when Mr. Cecchini had to leave 16:19:45	25	PRESIDENT: That doesn't need to go 16:21:01

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Now with respect to the correction for 16:22:23 the record here and, listen, I'm not saying this in 16:22:23 a way to suggest that Mr. Cecchini was trying to 16:22:24 mislead in any way. There were a number of things 16:22:26 that were being put to him quickly, just as he was 16:22:31 leaving to deal with a serious illness in his 16:22:35 family. 16:22:38

But, in fact, the public record shows 16:22:38 that that is not the case with that project. 16:22:39 And, in fact, the appeal to the Minister was 16:22:41 dismissed in December. 16:22:43

And, in fact, the project is in the 16:22:44 construction stage, and I have documents here which -- I've provided these documents to my friend 16:22:50 the day after this testimony so. 16:22:53

So we have documents dealing with 16:23:00 that, and I've suggested to my friend that we can 16:23:01

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16:23:04

simply correct the record through some sort of statement. 16:23:07

But another way to do it would be to 16:23:07 add these documents as exhibits. And the way in 16:23:10 which we would propose to do that is to add them pursuant to the ability under procedural order rules 16:23:16 to add them in the -- I forgot what the exact 16:23:21 standard is "Exceptional Circumstances" or whatever 16:23:25 16:23:28 the standard.

Because in my submission, it is 16:23:28 important for us to work on the basis of an accurate 16:23:31 record with respect to the status of these projects. 16:23:34

So that's -- that's question No. 1. 16:23:36

PRESIDENT: Can we have -- maybe deal 16:23:38 with them one by one? Mr. Neufeld. 16:23:40

MR. NEUFELD: I think we should start 16:23:44 at the beginning here and recap what this is all about. 16:23:47

The OPA provided a letter to BRG to 16:23:47 assist BRG to conduct a risk assessment. 16:23:51

That letter was provided -- well, 16:23:54 twice. Once for the -- for Canada's counter 16:23:56 memorial, and again for the rejoinder memorial. 16:23:58

16:24:05 In the days just preceding the

hearing, the Claimant reached out and asked for 16:24:08 further information in relation to that letter. 16:24:11 wanted further details. 16:24:14

So, we put that to the OPA. Again, 16:24:16 this was in the weeks -- you will recall this from 16:24:19 the conference call, this was in the letter. 16:24:21

Shortly after the hearing commenced, 16:24:25 the OPA provided us on a restricted basis, what you 16:24:28 now have the latest exhibit which includes -- it 16:24:32 includes an updated letter and a list of 20 FIT projects of over 50-megawatts. So that was added to 16:24:44 the record already. 16:24:47

And Canada agreed at that point to the 16:24:48 Claimants' request to have Mr. Cecchini come back 16:24:54 and testify with respect to those projects. So, 16:24:57 that that has happened. He did reappear, you know, 16:25:00 as requested. 16:25:06

Now -- now the Claimant is requesting 16:25:07 the assistance to correct what he had to say on the 16:25:10 record. And while we haven't had the opportunity to 16:25:13 fully investigate, we have put this matter back to 16:25:17 Mr. Cecchini and the OPA, and he is not convinced 16:25:21 that he needs to correct the evidence that he's 16:25:27 provided. 16:25:31

24 He's certainly not said that it's 16:25:32 25 incorrect and is somewhat reluctant, as you can 16:25:34

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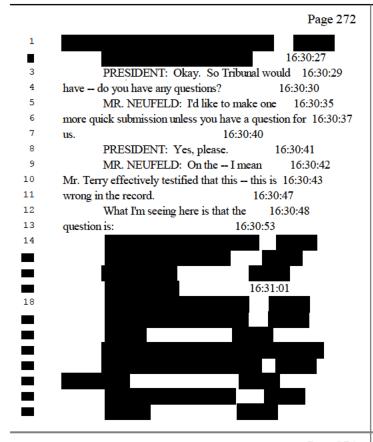
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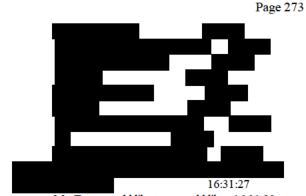
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	Page 268		Page 269
1	imagine, to reengage yet again in another in 16:25:38	1	PRESIDENT: How about not calling him 16:26:58
2	another effort by the Claimant to drill down into 16:25:42	2	back for purposes of correcting the record? I mean 16:26:59
3	information that he that the OPA has been quite 16:25:45	3	if he doesn't wish to correct, that is another 16:27:02
4	accommodating to provide in the first place. 16:25:48	4	issue. 16:27:07
5	So, with this kind of context, I hope 16:25:51	5	Whether there is an objection to 16:27:08
6	you can appreciate that Canada's position is that we 16:25:56	6	producing these documents to the record. Not 16:27:09
7	probably shouldn't go down the road of correcting 16:26:00	7	purposely so that would not be for purposes of 16:27:12
8	the record. 16:26:02	8	correcting the record, but for the purposes of 16:27:15
9	This is one issue. I think it would 16:26:04	9	adding to the record. 16:27:17
10	probably take us a very short period of time to find 16:26:07	10	MR. NEUFELD: Right. 16:27:20
11	any number of inaccuracies throughout the record, 16:26:10	11	PRESIDENT: So then, it would be for 16:27:21
12	throughout things that witnesses have said from the 16:26:14	12	the Tribunal to determine what the evidence shows on 16:27:22
13	beginning of this hearing until now. 16:26:16	13	the basis of both Mr. Cecchini's testimony and on 16:27:24
14	I can say that one silly example when 16:26:19	14	the basis of these documents on the record. 16:27:27
15	Mr. Baines was asked what Minister Gerretsen did 16:26:22	15	MR. NEUFELD: Now, in this regard 16:27:31
16	after becoming or after leaving his position as 16:26:27	16	what's interesting here is that the reason that the 16:27:32
17	Minister of the Environment, he stated, you know, he 16:26:30	17	OPA is treating the information, the list of 20 16:27:34
18	was Minister of the Attorney General and he wasn't. 16:26:32	18	projects, as it's very sensitive to the OPA is 16:27:38
19	So that's just another silly example 16:26:35	19	because it contains a little bit of restricted 16:27:40
20	of corrections that, I'm sure, could occur 16:26:37	20	information. 16:27:44
21	throughout the transcripts. 16:26:40	21	How it deals with projects going 16:27:44
22	And I would be really you know, I'm 16:26:41	22	forward is precisely what's sensitive to the OPA. 16:27:46
23	really not sure it's a wise use of our time to start 16:26:46	23	It doesn't want that. It doesn't want other 16:27:49
24	combing back over evidence that has been provided 16:26:50	24	contract holders to be aware of who's negotiating 16:27:51
25	here for the sake of making corrections. 16:26:52	25	what and when. You can appreciate that, I'm sure. 16:27:55
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1 2	Much of the information, however, much 16:27:58	1 2	MR. TERRY: I can without showing 16:29:09
	Much of the information, however, much 16:27:58 of the information relating to these FIT contracts 16:27:59		MR. TERRY: I can without showing 16:29:09 you the content because I understand that's not 16:29:10
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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	Much of the information, however, much 16:27:58 of the information relating to these FIT contracts 16:27:59 is publicly available. And not only that, available 16:28:04 on the record already. 16:28:07 I mean, the Claimant I suppose 16:28:08 what, you know, we're using our time now in the 16:28:10 hearing. We have many other things to do in 16:28:15 preparation for these days of hearings. Considering 16:28:17 a request from the Claimant, which they could have 16:28:19 prepared well in advance of the hearing. 16:28:22 I mean they had the letter, as of 16:28:24 our as of our written submission. They had on 16:28:27 the record the list of FIT contracts over 16:28:31 50-megawatts. 16:28:35 That's never been that's on the 16:28:36 record for them to dig up, and it has been publicly 16:28:38 available. They could Google and find out which 16:28:43 projects are commercial operation and which aren't. 16:28:46 So you can understand our reluctance 16:28:53 to now allow them to file publicly available 16:28:56 information which they had or had the opportunity to 16:28:58 access for months. 16:29:01	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. TERRY: I can without showing 16:29:09 you the content because I understand that's not 16:29:10 appropriate 16:29:14 PRESIDENT: Yes. 16:29:15 MR. TERRY: there is one letter 16:29:15 from a Minister of about four pages, and there's 16:29:16 documentation that shows that there's this one 16:29:21 report that has irrelevant I think the report is 16:29:26 about 10 pages long, but it's about there is one 16:29:29 page that's relevant. 16:29:31 But there's a confirming document 16:29:32 which, in our submission, shows clearly the 16:29:34 construction is taking place. 16:29:38 And, again, these are this is 16:29:40 simply as I think the only thing I would add 16:29:42 is in response to my friend is that we made the 16:29:48 request for these materials on December 9th, and we 16:29:56 16th. We did, in my submission, accommodate 16:29:59 Mr. Cecchini's deadline as well. 16:30:07 having the complete set of documents in front of the 16:30:13
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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	Much of the information, however, much 16:27:58 of the information relating to these FIT contracts 16:27:59 is publicly available. And not only that, available 16:28:04 on the record already. 16:28:07 I mean, the Claimant I suppose 16:28:08 what, you know, we're using our time now in the 16:28:10 hearing. We have many other things to do in 16:28:15 preparation for these days of hearings. Considering 16:28:17 a request from the Claimant, which they could have 16:28:19 prepared well in advance of the hearing. 16:28:22 I mean they had the letter, as of 16:28:24 our as of our written submission. They had on 16:28:27 the record the list of FIT contracts over 16:28:31 50-megawatts. 16:28:35 That's never been that's on the 16:28:36 record for them to dig up, and it has been publicly 16:28:38 available. They could Google and find out which 16:28:43 projects are commercial operation and which aren't. 16:28:46 So you can understand our reluctance 16:28:53 to now allow them to file publicly available 16:28:56 information which they had or had the opportunity to 16:28:58 access for months. 16:29:01	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. TERRY: I can without showing 16:29:09 you the content because I understand that's not 16:29:10 appropriate 16:29:14 PRESIDENT: Yes. 16:29:15 MR. TERRY: there is one letter 16:29:15 from a Minister of about four pages, and there's 16:29:16 documentation that shows that there's this one 16:29:21 report that has irrelevant I think the report is 16:29:26 about 10 pages long, but it's about there is one 16:29:29 page that's relevant. 16:29:31 But there's a confirming document 16:29:32 which, in our submission, shows clearly the 16:29:34 construction is taking place. 16:29:38 And, again, these are this is 16:29:40 simply as I think the only thing I would add 16:29:42 is in response to my friend is that we made the 16:29:48 request for these materials on December 9th, and we 16:29:56 16th. We did, in my submission, accommodate 16:29:59 Mr. Cecchini's deadline as well. 16:30:07 having the complete set of documents in front of the 16:30:13





Mr. Terry would like to -- would like 16:31:29 to argue otherwise based on a decision on the 16:31:34 appeal, but it's -- what has been put in the record 16:31:39 is not incorrect. 16:31:43

The way he has answered the question 16:31:45 is not incorrect. 16:31:47

PRESIDENT: Okay, noted. Do you have 16:31:49 a question? 16:31:50

MR. BISHOP: I just have one question: 16:31:52 Why does this matter to us? 16:31:55

MR. TERRY: Yeah, and that was really 16:31:58 getting to the second point which is Mr. Goncalves 16:31:59 relies on the letter from Mr. Perry – sorry, from 16:32:02 Mr. – my apologies – from Mr. Cecchini to support 16:32:06

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essentially a statement with respect to the 16:32:13 uncertainty of these FIT projects in reaching the 16:32:15 stage of operation. 16:32:21

And we have focused specifically on 16:32:22 larger projects, greater than 50-megawatts, and we 16:32:25 simply – what I would like to – no witness is 16:32:29 here, of course. 16:32:34

What I'd like to put to Mr. Goncalves 16:32:35
as part of my cross-examination to challenge him on 16:32:38
that statement is to show from the evidence of 16:32:41
Mr. Cecchini that if you look at the projects of 16:32:43
50-megawatts or greater, here is the status of those 16:32:47
various projects. 16:32:51

So I simply want to make sure in doing 16:32:52 that, that I've got the most accurate information. 16:32:55

And that relates to my second point 16:32:57
which — and I — and I certainly appreciate any 16:32:59
guidance from the Tribunal on this — as to how to 16:33:03
put this information to Mr. Goncalves in cross or 16:33:06
potentially also have our witness, Mr. Low, deal 16:33:12
with it in his in-chief in response to what 16:33:16
Mr. Goncalves has said in this case. 16:33:19

We have – some of this information 16:33:23
can be described at a generic level, and I had suggested to my friend some wording which was 16:33:28

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acceptable to us to deal with that. 16:33:32

But I think it's appropriate and 16:33:34

necessary to put this to the witnesses. So I just 16:33:35

need to do this in a way that we can avoid the 16:33:37

restricted access concerns that, as I say, are – 16:33:40

I recognize they are legitimate concerns in the OPA. 16:33:43

PRESIDENT: Is there an objection if 16:33:47 only Mr. Goncalves, as I understand that's the way 16:33:48 he pronounces his name, if Mr. Goncalves is actually 16:33:51 the only expert present in the room when that 16:33:55 question is put to him? 16:33:58

MR. NEUFELD: We would be happy to 16:34:03 reach out to the OPA to see if they have any issues 16:34:04 with that. 16:34:06

I will ask the question. 16:34:07 MR. TERRY: And if I could, as 16:3

MR. TERRY: And if I could, as 16:34:08
I mentioned, I think if you could also ask if there 16:34:09
would be any objection to Mr. Low using that 16:34:11
information in terms of his testimony. 16:34:14

PRESIDENT: So perhaps this could be 16:34:16 followed up on and we can refer to it tomorrow 16:34:18 morning. 16:34:21

On the first issue, the Tribunal will 16:34:22 consider and make a ruling as appropriate. Thank 16:34:24 you. 16:34:26

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1 2	MR. TERRY: Thank you very much. 16:34:28	
	PRESIDENT: Continue tomorrow morning 16:34:29	
3 4	at 9:00 o'clock. Thank you. 16:34:30 Whereupon the proceedings adjourned at 4:34 p m. 16:34:32	
5	whereupon the proceedings adjourned at 4:54 pm. 16:54:52	
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