

MANITOBA CLEAN ENVIRONMENT COMMISSION

MANITOBA-MINNESOTA TRANSMISSION PROJECT

VOLUME 5

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1 MONDAY, MAY 15, 2017

2 UPON COMMENCING AT 9:30 A.M.

3

4 THE CHAIRMAN: Good morning, everyone.  
5 Welcome to our second week of hearings into the  
6 Manitoba-Minnesota Transmission Project.

7 Just a couple of housekeeping matters  
8 first, really all around the timing. Our  
9 secretary, Cathy Johnson, has had some  
10 communication with all of you. And we are a  
11 little bit behind in the hearings, somewhere in  
12 the order of half a day or maybe about three  
13 hours. So we are going to try and get them back  
14 on track, keep it efficient. We do have people  
15 coming to the hearings to speak on certain  
16 matters, and so we certainly don't want to ask  
17 people who are coming from out of town to hang  
18 around while we catch up. So we are going to try  
19 and get it back on track and keep it on track.

20 So we will go until 5:00 o'clock  
21 today. So the rest of the times will be the same,  
22 but we will add a half hour. And the other change  
23 we are going to make is tomorrow evening, Tuesday  
24 evening is primarily to hear from the public, so  
25 that will, of course, be our first order of

1 business. But any remaining time, we will use as  
2 well, either for a Hydro presentation or for  
3 questioning, depending on where we are in the  
4 schedule.

5 So with those two pieces of  
6 information, I think we should get started. And I  
7 believe we were part way through Hydro's  
8 presentation on the construction component of the  
9 hearings. So I'll turn it over to Hydro.

10 MR. PENNER: Thank you and good  
11 morning. I just had a quick clarification to the  
12 construction presentation that I made on Thursday.  
13 I had a slide that showed a January 2018  
14 construction start, and I just wanted to clarify  
15 that in light of the letter that we received from  
16 the NEB, letting Hydro know that we would expect a  
17 decision in 2018, I wanted to just emphasize that  
18 we will not start construction without both the  
19 NEB authorization and the Environment Act licence.  
20 Thank you.

21 THE CHAIRMAN: Thank you.

22 MR. STUART: If I could make an  
23 additional clarification too, to the bio-security  
24 presentation. One of the slides for the  
25 presentation, in terms of lessons learned from



1 past projects and experiences, spoke to ensuring  
2 that bio-security is built into construction  
3 contracts. I do want to clarify that for Bipole  
4 III, elements of bio-security were built into our  
5 contracts, but some elements did come later, such  
6 as monitoring or the pre-construction sampling.  
7 So for clarification, there were already elements  
8 included in the contract.

9 THE CHAIRMAN: Thank you. All right.  
10 We'll turn the presentation back over to Hydro.

11 MR. MATTHEWSON: Good morning  
12 commissioners, good morning participants. My name  
13 is James Matthewson, with you again here. We're  
14 going to be talking about integrated vegetation  
15 management this morning.

16 So Manitoba Hydro has an integrated  
17 vegetation management program to manage vegetation  
18 on its existing transmission and distribution  
19 facilities. The goals of the program are to  
20 maintain the integrity of the transmission system,  
21 to ensure there is no outages due to interference  
22 or contact with conductors from vegetation. It's  
23 to provide access to all the structures for  
24 maintenance and inspection of the transmission  
25 system. It's intended to reduce the risk of fires

1 caused by trees contacting the line by managing  
2 that vegetation. Its goal of respecting  
3 traditional land uses and practices encourage, and  
4 strives to encourage a stable low growing plant  
5 community and minimize the environmental effects  
6 of the integrated vegetation management  
7 activities, while enhancing the biodiversity of  
8 the right-of-way.

9                   So there are four primary methods of  
10 integrated vegetation management that Manitoba  
11 Hydro implements. So we have a selective control  
12 where we're targeting that tall growing  
13 vegetation, trying to remove it through a variety  
14 of different methods, or conversion of the  
15 right-of-way to more compatible land use or  
16 maintaining its existing land use, such as  
17 agricultural use of the land, or conversion to a  
18 pasture type land. Recreational opportunities,  
19 Manitoba Hydro has numerous different types of  
20 recreational opportunities, ball diamonds and  
21 soccer fields under its existing transmission  
22 right-of-ways as a way to manage the vegetation  
23 and provide secondary use.

24                   No clearing required is another  
25 method. So in the construction process, no

1 removal of vegetation that does not impede access  
2 or those limits of approach. So limits of  
3 approach are a term that we use at Hydro, it's a  
4 safety term. It relates to how close in proximity  
5 either a person or an object can be to the  
6 conductors themselves.

7           The other, the final method of  
8 integrated vegetation management is altering  
9 existing vegetation. So this would be in an area,  
10 more of an urbanized or residential area where  
11 we're pruning or trimming trees in order to  
12 maintain those limits of approach or safe  
13 clearances.

14           So with planning integrated vegetation  
15 management program, we first have to start with  
16 some information. So Manitoba Hydro's line  
17 maintenance crew strives to control every span of  
18 the transmission system once a year. During these  
19 patrols, the following conditions are assessed.  
20 So they visually assess the tree height, the  
21 density, the proximity of that vegetation to that  
22 limits of approach. They are looking for imminent  
23 threats, so these are dead or dying, and leaning  
24 trees that are generally outside of the  
25 right-of-way that could fall on to the conductors.

1                    Looking at the width of the  
2 right-of-way; as the right-of-way ages over time,  
3 it starts to narrow as the trees start to grow,  
4 vegetation starts to grow from the edge of the  
5 right-of-way, so it eventually grows and narrows  
6 towards the centre of the right-of-way.

7                    Looking at terrain, accessibility,  
8 environmental conditions, is there flooding in the  
9 area? Are there nests on the structures? We have  
10 a fairly common practice of large osprey, or large  
11 hawks and eagles creating nests on the  
12 transmission structures; which are generally  
13 acceptable to have that nest on there. But if the  
14 nest were to somehow impede and get too close to  
15 the conductors, then removal of that nest may need  
16 to be required. And we would take that nest down  
17 and move it to another platform adjacent to the  
18 transmission line structure when, of course, the  
19 bird wasn't utilizing the nest.

20                    But there are many, many transmission  
21 lines in Manitoba with nests functioning on the  
22 transit, with no safety risks at all with those,  
23 so we leave them in place.

24                    We look at the relative priority of  
25 the work overarching the entire transmission

1 network, and we look at the efficacy of any  
2 treatments that may have happened in the previous  
3 years.

4 So then line inspectors and  
5 environmental staff, they use all this information  
6 to plan the integrated vegetation management  
7 program for the following years.

8 So there is numerous criteria that are  
9 chosen for treatment selection. So choosing which  
10 treatment, and I'm going to go into the different  
11 types of treatments a little bit further on, but  
12 the method by which we select a treatment is based  
13 on a variety of factors, some of which are the  
14 target species. What are we trying to target? Is  
15 this a coniferous understory? Is this a deciduous  
16 understory? What type of vegetation, how tall is  
17 it, how dense is it? What treatment timings may  
18 exist with respect to accessibility? The site  
19 accessibility itself, is it a wet area, are there  
20 access roads to get there, or is it otherwise an  
21 accessible area of land?

22 Now, we're looking at the existing  
23 land uses, the proximity of water sources, bodies  
24 of water, any environmentally sensitive sites.  
25 The timing of that treatment, as I mentioned, is

1 also taking into account those reduced risk timing  
2 windows, so riparian areas when there is fish  
3 spawning going on, or calving periods for moose,  
4 and/or concerns around bird nesting timing zones.  
5 So all those factors with respect to timing come  
6 into play in what treatment method can be applied.  
7 Of course, resource availability, are there staff  
8 available, are there contractors available, and  
9 what is the budget in any one particular year, all  
10 contribute to the different types of criteria.

11           So the access and terrain, as I  
12 mentioned, you know, steep slopes, rocky terrain,  
13 increases safety concerns of machinery. Here's  
14 some of the pictures of riparian area with a steep  
15 slope. That's going to affect what kind of  
16 treatments we can apply in that area, and the  
17 timing of those treatments and when.

18           As you'll notice, the conductors are  
19 going across the top towers fairly high up. So  
20 these trees may be allowed to grow to a higher  
21 height because they are that much lower than the  
22 conductors, so that limits of approach factors is  
23 taken as consideration.

24           So from an access perspective, these  
25 wet areas or remote locations where only

1 helicopter or frozen ground conditions will allow  
2 treatment to be conducted also play a part in the  
3 treatment selection.

4 Land use is also an important criteria  
5 for treatment selection. Often the land use  
6 dictates the type of vegetation management that  
7 will be used in the area. Where there is a  
8 harvested crop, typically no concern with any  
9 taller vegetation contacting the line. In pasture  
10 land areas, typically there's control through the  
11 grazing of animals cycling through there to  
12 control a lot of the vegetation. And the riparian  
13 areas, which are the wetlands, the rivers, the  
14 creeks and the streams, we're looking at buffers  
15 and more prescriptive measures with respect to  
16 reduction in environmental impact, like a low,  
17 very low impact type spraying application or  
18 mechanical removal of vegetation through hand  
19 cutting or low disturbance equipment that can  
20 reach in, like that feller buncher can reach in  
21 and grab the tree and pull it out of the way  
22 without entering the riparian zone.

23 Known traditional use areas may also  
24 have buffers associated with them, or work may be  
25 scheduled to reduce the conflict with the

1 gathering activities that may occur within those  
2 areas.

3           So the setbacks. So with riparian  
4 areas, we have a 30 metre setback on water bodies,  
5 that is from construction. We also do that in  
6 construction and follow through, through  
7 operations, with our activities, where we manage  
8 very closely the type of equipment and the  
9 activities that occur within that 30 metre buffer,  
10 recognizing the high value that public and First  
11 Nations and Metis, indigenous engagement processes  
12 have shared with us the importance of the water  
13 supply and any types of potential impacts to  
14 water.

15           With those traditional plants, looking  
16 at a 15 metre buffer around whatever point or  
17 polygon area of traditional use, or rare plants.  
18 So if there's a rare plant or gathering area,  
19 we'll put a 15 metre buffer around what we have  
20 delineated the area to be, so as a further  
21 mitigative measure.

22           Manual treatment methods are very  
23 labour intensive and time consuming. However,  
24 they are typically used on these smaller, harder  
25 to reach areas, or on sensitive sites where the



1 machinery is likely to cause some type of  
2 environmental damage, such as rutting or  
3 compaction. So manual methods are a key component  
4 to integrated vegetated management planning, but  
5 they are a component that -- they are very  
6 obviously high cost and they can cost upwards of  
7 10 times of what a mechanical treatment can cost.  
8 So in those areas where we have sensitive sites  
9 and traditional plant gathering areas, or in areas  
10 where there is rare plants or riparian areas,  
11 manual cutting is a very viable treatment method  
12 for those areas. Sleep slopes as well.

13           And some examples that we have,  
14 there's a brush saw, chain-saw use, and then  
15 girdling. Girdling is a tool that you use to  
16 remove the outer bark of a tree and it reduces  
17 the -- eventually kills the tree, it reduces the  
18 whole flow of nutrients up and down the stem. So  
19 it does kill the tree, but the tree stays standing  
20 or the stem stays standing.

21           Mechanical treatments, so mechanical  
22 mowing, or shear blading, as Mr. Penner talked  
23 about on Thursday, he gave you a picture of a  
24 shear blade. This is another picture of a shear  
25 blade. These are best suited in areas where you

1 have really high density of treed species over  
2 large areas. It is also primarily used in winter  
3 months, in areas where there's that wet summer  
4 access where equipment can otherwise not travel.  
5 You go in there in the winter time and the shear  
6 blade tool, as a treatment method, is very  
7 effective.

8           The mechanical methods are generally  
9 considered non-selective in that it clears all the  
10 existing vegetation and habitat. The heavy  
11 equipment is subject to disturbing the soil. If  
12 the operator is not careful, the disturbed soil  
13 then can provide a seabed for a veesa (ph)  
14 species, or a tree species re-pioneering the site.

15           This can also, the shear blading in  
16 the winter time, when a lot of the nutrients of a  
17 tree, in particular a Poplar tree, the nutrients  
18 of that tree are stored in the root ball and root  
19 system in the winter time. So when you shear  
20 blade a tree, either during initial construction  
21 or during maintenance, the tree resprouts,  
22 re-suckers, because all of its nutrients are  
23 stored inside that root ball. So it's one of the  
24 disadvantages of a winter clearing method,  
25 although there are several environmental

1 advantages from a vegetation management  
2 perspective, there is a disadvantage in that it  
3 dramatically increases the amount of suckering  
4 that happens on those species the following  
5 summers.

6           A mulcher, again, another piece of  
7 equipment Mr. Penner showed us. Non-selective in  
8 nature, everything in its path gets mulched. A  
9 feller buncher is one of the selective mechanical  
10 methods that are used for removing danger trees.  
11 So this is a feller buncher removing, this is the  
12 edge of the right-of-way, the feller buncher is  
13 reaching in to remove the large Aspen tree, as it  
14 exceeds the height requirements for safe operating  
15 clearances.

16           We also use these in wildlife type  
17 corridors to remove individual trees. It leaves  
18 the surrounding vegetation. So one of the  
19 benefits of a feller buncher is it's just taking  
20 the tree. So any surrounding shrubs and  
21 vegetation around that tree are left intact.  
22 Typically, again, used in the winter time, they  
23 can be used on drier sites in the summer, but  
24 primarily in the winter in Manitoba.

25           Chemical treatment methods, so

1 herbicide use in Manitoba is overseen by Manitoba  
2 Sustainable Development through a pesticide use  
3 permit process under the Environment Act. The  
4 process requires Manitoba Hydro to advise through  
5 public notification and provide a 30-day  
6 opportunity for public to voice any comments or  
7 concerns to Manitoba Sustainable Development about  
8 Manitoba Hydro's planned vegetation management  
9 activities over the coming season.

10           Manitoba Sustainable Development may  
11 then issue a permit to Manitoba Hydro that  
12 stipulates what herbicides are authorized to be  
13 used, how they may be applied, where they can be  
14 used, that minimum setback distances from riparian  
15 areas, and other safety conditions.

16           At the conclusion of each treatment  
17 season, Manitoba Hydro is then required to submit  
18 a permit to Manitoba Sustainable Development  
19 detailing the herbicide use activities which  
20 includes quantities and areas of treatment.

21           The herbicides in general that  
22 Manitoba Hydro uses are for tree control. They  
23 are selective in nature in that they only affect  
24 the broad leaf plants and do not control grasses  
25 and sedges.

1                   We have two examples of treatment  
2 methods. This would be an example of a flex track  
3 machine with a hose and handgun operation. So  
4 there would be one driver and there would be one  
5 to two operators on the back that have a hose and  
6 handgun that applies spot treatments. As they are  
7 driving, they are spot treating the treed  
8 vegetation.

9                   The other option is a mechanical  
10 chemical application, where this mower has a  
11 chemical container on the top of it. So as it  
12 mows the vegetation, the chemical is released on  
13 to the blade of the mower, and as the blade cuts  
14 the vegetation, the chemical is wiped onto the  
15 stem that's left behind, the stump or stem, and it  
16 treats the tree that way from resprouting. So you  
17 can see this is generally for smaller vegetation,  
18 more of an operational vegetation management  
19 control tool versus an initial construction mowing  
20 or mulching tool. The mulchers that I showed  
21 before are much bigger mulchers than may be used  
22 during construction or larger vegetation during  
23 operations.

24                   So, Manitoba Hydro uses these  
25 application techniques that target those

1 individual trees. And as the number of those  
2 individual trees declines, the low growing  
3 compatible vegetation, the shrubs and the grasses,  
4 they start to dominate the plant community on the  
5 right-of-way. And I'll show you some more  
6 pictures of that coming up. And this starts to  
7 form as a bit of a biological control, because  
8 those plants and grassing, they're all competing  
9 for the nutrients and the water supply better, and  
10 they are taking up more ground space than the  
11 trees, which are also trying to repopulate the  
12 area, pioneer species such as Aspen, Balsam,  
13 Poplar.

14 Over the years, we have continually  
15 refined our approaches to reduce our application  
16 rates, with as little herbicide as possible on the  
17 right-of-way, while still effectively controlling  
18 those target trees that we're looking for.

19 Another method that we use frequently  
20 are what we call cultural treatment methods.  
21 There's an increasing demand from the public for  
22 secondary uses of right-of-ways, so Manitoba Hydro  
23 is very supportive of these uses because it does  
24 reduce our overall cost of vegetation management,  
25 as long as they are compatible with the safe

1 operation and maintenance of the line. So  
2 examples are agricultural operations or livestock  
3 grazing as in this picture, native grass and seed  
4 production, garden plots, or as we have heard,  
5 there was a recent letter from a landowner about a  
6 U-pick. Manitoba Hydro is very supportive of  
7 U-pick type operations underneath the  
8 right-of-way, and there are places where we have  
9 those in place now, and they are compatible land  
10 use with transmission lines.

11 We also have those recreational  
12 facilities. As you travel around Manitoba, there  
13 are multiple trails, baseball diamonds and soccer  
14 fields that exist under transmission right-of-ways  
15 in Manitoba.

16 So I have a table here that kind of  
17 illustrates four different factors. So the cycle,  
18 which is the return periods, so how frequently we  
19 may have to do a vegetation management activity  
20 based on the two different mechanical or chemical  
21 treatments. Safety, wildlife and vegetation and  
22 traditional use plants.

23 So mechanical control, I'll talk about  
24 the mechanical control now and I'll show some  
25 pictures, and then I'll talk about the chemical

1 control. Mechanical control is suited for those  
2 areas, as I mentioned before, those high density  
3 vegetation, where you have a lot of stems of Aspen  
4 to control over a large area. Mechanical  
5 maintenance cycle is continuous and that will  
6 always need to remove vegetation on the  
7 right-of-way. So typically a mechanical cycle can  
8 take eight to 10 years, depending on the growing  
9 season and the site. Some may be a little faster,  
10 some a little slower. But it's continuous. We'll  
11 have to continually go back there and remove  
12 vegetation through mechanical methods. It's just  
13 the nature of resprouting of the pioneer species  
14 that exist in Manitoba, the tree species.

15           So on the safety side of things,  
16 there's obviously an increased risk of spills or  
17 releases of hydrocarbons because you have a lot  
18 more heavier equipment operating on the  
19 right-of-way, doing that mechanical clearing.  
20 There is a higher level of safety concern with  
21 safety of the public during the winter months on  
22 those access trails and access roads with  
23 machineries driving around. And all the numerous,  
24 in Northern Manitoba certainly, the numerous  
25 extensive trail network for trappers.



1                   So those are all things we try to  
2   incorporate into our operational EPP, as I showed  
3   earlier, with the signage and awareness of working  
4   with those recreational and resource users.

5                   The wildlife. So wildlife is  
6   displaced on the right-of-way for a little bit  
7   longer period of time, versus a chemical  
8   application. Because as I mentioned, we mow the  
9   entire right-of-way, and it's non-selective in  
10   nature in that all the vegetation is removed. So  
11   you have a different type of wildlife that starts  
12   to utilize that right-of-way after the initial  
13   clearing during construction and also after a  
14   mechanical clearing. And then as the right-of-way  
15   starts to grow back over that period from zero to  
16   eight years, you have more variety of wildlife  
17   use, but it does take them a little longer to  
18   start to reutilize the right-of-way because it was  
19   cleared of all vegetation. But once it does come  
20   back, it comes back pretty thick and provides a  
21   good food source for a number of wildlife as well.

22                  Vegetation and traditional land use  
23   plants, so that continual cutting of vegetation  
24   creates that resprouting of vegetation which is  
25   primarily these pioneer species, such as the Aspen

1 Poplar and Balsam Poplar, which increase the  
2 frequency of the maintenance required, so we have  
3 to mow things more frequently. And because of the  
4 non-selective nature, those berry bushes and the  
5 blueberries and the other medicinal plants that  
6 may be non-trees, they're also removed at the time  
7 of mowing.

8           We also have a decreased diversity of  
9 species, when you have mechanical methods, because  
10 of that constant resprouting. Every time you cut  
11 these trees, every stump that you leave, it just  
12 resprouts into multiple stems. And if you're  
13 continually cutting multiple stems, it just  
14 expands and expands that -- the use, that  
15 expansion of the Aspen across the right-of-way.

16           So here is some examples of mowing in  
17 practice. So one of the rotary mowers, and you  
18 can see this is the example of vegetation that is  
19 left post the mowing. And this is a wheeled  
20 machine, and this one is a track machine. Similar  
21 in nature that you'll see that it's non-selective  
22 in nature. We are clearing in both these pictures  
23 a dense canopy of Aspen in both these images here,  
24 and how the mechanical mowing looks like in the  
25 winter and fall.

1                   So the shear blade. So the shear  
2 blade method is typically used in Northern  
3 Manitoba, where you have a coniferous dominated  
4 landscape, because you have a variety of wetlands  
5 and typically more conifers in Northern Manitoba  
6 than Aspen, but it's a mixed wood in many places  
7 as well.

8                   You'll notice that this is the winter,  
9 they go back and forth and shear blade the  
10 vegetation into windrows, and they just leave it  
11 there to decompose typically.

12                  So the results of a right-of-way  
13 that's been managed by mechanical mowing in this  
14 example, you'll notice this hard edge. So you've  
15 basically got the right-of-way and then you've got  
16 your mowed area. There's no gradual tapering of  
17 vegetation in vertical height. They call it hard  
18 edge. So that is not as compatible for a variety  
19 of species. And one example on the MMTP project  
20 is the Golden Winged warbler. So in describing  
21 the Golden Winged warbler management plan, we're  
22 using a variety of different clearly techniques  
23 during initial construction and during operations  
24 to create an edge that is not a hard edge like  
25 this. And we'll show you some pictures of what

1 we're trying to achieve there.

2           So this is an example of a  
3 right-of-way that's been mowed a couple of years  
4 previously, and you can see the dense Aspen  
5 population coming back from what was previously a  
6 very dense Aspen stand when the right-of-way was  
7 initially constructed.

8           So it will, while this is providing a  
9 variety of wildlife habitats at this stage, in a  
10 matter of three to four years we'll have to come  
11 back and mow that vegetation again to maintain  
12 those limits of approach.

13           So from the chemical perspective, so  
14 diligent use of herbicides provides some  
15 advantages where it's appropriate to use them in  
16 an integrated vegetative management. That  
17 selective nature of the application allows you to  
18 create an advantage for those low growing  
19 compatible species, while allowing the development  
20 of what's called a wire zone, border zone  
21 approach, which softens that right-of-way edge.  
22 Because a lot of those right-of-way edge is those  
23 compatible shrub species that are growing in  
24 there. So by only targeting the tree species, we  
25 can increase that diversity of vegetation across

1 the right-of-way.

2                   And as I mentioned, that competitive  
3 advantage, as the shrubs and grasses take over the  
4 right-of-way from the Aspen, through controlling  
5 of the trees, they start to dominate the landscape  
6 and become a very good biological control for  
7 Aspen growth. So we're able to use smaller and  
8 smaller and less and less chemicals over a period  
9 of time, as the rotation cycle period increases  
10 with each application. So over time it allows for  
11 less and less chemicals and much more selective  
12 nature in the treatments.

13                   So we can move from a hose and handgun  
14 operation, as I showed you in one of the previous  
15 pictures, moving towards -- as we go through  
16 multiple cycles and this is over decades of  
17 time -- we're moving towards more of an ATV type  
18 mounted sprayer or even getting into a backpack  
19 application.

20                   So since approximately, so 2003 to  
21 2016, this graph illustrates the amount of  
22 herbicide active ingredient in kilograms applied  
23 per hectare. So this is a conservative estimate,  
24 as Manitoba Hydro does not use a broadcast  
25 application to apply to the right-of-way. We do

1 that selective application of herbicides. But  
2 there's no real effective way of measuring exactly  
3 how much chemical, when the hose and handgun  
4 spraying is squirting for three minutes in this  
5 spot and then four minutes over in that spot. We  
6 have a total amount of solution we've applied, but  
7 we can't calculate how much per hectare on a very  
8 accurate scale.

9           With some of the newer technologies  
10 Manitoba Hydro is investing in, we are moving  
11 towards that in really mapping exactly where on  
12 the landscape, on a very small metre by metre  
13 basis, where herbicide application has occurred.  
14 But right now we're measuring it on the entire  
15 right-of-way.

16           So instead of, while there have been  
17 small variances since 2014 and 2015, or we  
18 increased the amount of active ingredient, that  
19 was a trial where we were using a new herbicide  
20 formulation that had a higher active ingredient  
21 per hectare. The average use of herbicides, so  
22 this is the amount of kilograms of active  
23 ingredient in the herbicide, has decreased over  
24 time. One of the big things that's happened in  
25 2016, and we expect to move forward, is with a new

1 herbicide formulation that we're using, we've  
2 dramatically reduced the active ingredient to less  
3 than one kilogram of active ingredient per  
4 hectare. And we expect that trend to continue  
5 into the future. But you can see where we were at  
6 1 in 2005, and up to 2, and then we did spike up  
7 to 3.5 with that one formulation of herbicide that  
8 we used for two years. And now we're back and  
9 been trialing. The product that we are using here  
10 we had been trialing at this stage, and now we're  
11 moving towards much more broader use of that  
12 herbicide, as it's been shown to be very effective  
13 with a much lower reduced active ingredient per  
14 hectare.

15           So as with our active ingredient per  
16 hectare, Manitoba Hydro has had some variability  
17 in weed control in the area treated. So included  
18 in vegetation management is the weed control, and  
19 that weed control primarily has been in Manitoba  
20 Hydro stations. So as we have those limits of  
21 approach for transmission wires, where we're  
22 trying to manage the tree vegetations to maintain  
23 safe operating of the transmission lines, in a  
24 station we're trying to control the weed  
25 vegetation within the layer of insulating rock.

1 So in a station there's all this gravel, the  
2 engineers call it insulating rock, that provides  
3 insulation from the grounding grid, which is  
4 buried below the station and the electrical  
5 infrastructure above ground. And when you have  
6 that vegetation in there, it starts to break down  
7 the insulating properties of the insulating rock.  
8 So we have to control the weed vegetation in order  
9 to restore that grounding, capabilities of the  
10 ground grid below.

11 So there have been some highs and lows  
12 in the weed controls, some of the spikes are  
13 correlated to some heavy infestations we had back  
14 in 2007, in some of our very large transmission  
15 stations, such as the Dorsey Converter Station,  
16 where multiple treatments were required in that to  
17 control very invasive species that were  
18 dominating.

19 The other thing that the weeds can do  
20 is they can grow into the cooling fins of the  
21 transformers. So the vegetation can grow up and  
22 start to affect the cooling performance of the  
23 transformers themselves.

24 So new herbicide formulations and  
25 technologies over the past 10 years, as you can



1 see, have really stabilized that use of herbicides  
2 within the weed, for weeds within our station  
3 footprints. And when we control weeds in our  
4 stations, we're really controlling the area within  
5 the fenced boundary of the station and a one metre  
6 perimeter around the outside of the fence.  
7 Because the fence is also all fully grounded, so  
8 we need to maintain the grounding principles of  
9 the fence and can't allow vegetation to grow  
10 within the chain link fence.

11           So while the tree control, as you can  
12 see in red, has been fairly stable in area, few  
13 dips below, a few above. But we have on average  
14 ranged from 1,500 to 1,800 hectares per year. So  
15 that's the herbicide tree control for transmission  
16 and distribution. So this 1,500 to  
17 1,800 hectares, this represents a small fraction  
18 of both the approximate 80,000 kilometres, or  
19 64,000 hectares of distribution right-of-way that  
20 we have, that we're managing, and 11,000  
21 kilometres or 50,500 hectares of transmission line  
22 right-of-way.

23           So 50,000 kilometres of just  
24 transmission, 50,000 hectares of transmission  
25 right-of-way, and we're on average treating 1,500

1 to 1,800 hectares. So that's totaling over  
2 100,000 hectares, and we're treating 1,500 to  
3 1,800. So we're not widespread use of herbicides  
4 across Manitoba in all our right-of-ways. We're  
5 very selective and prescriptive on where we  
6 utilize it to provide the most effective control  
7 mechanism for the trees, and also increasing while  
8 recognizing all those other environmental criteria  
9 and treatment control methods that I described  
10 previously.

11 So again, as an example, this is an  
12 example of a right-of-way. So this is a  
13 360-degree picture. So this is one that you're in  
14 the middle of the span right here, and you're  
15 looking that direction and this direction to each  
16 one of those towers. So it's supposed to be 360.

17 Where the trees have been controlled,  
18 so that's where you'll see, this is your  
19 understory grasses and shrubs, and these are the  
20 trees that were treated on the previous year. So  
21 this patch had been cut. Instead of the  
22 understory of shrubs and grasses, we would have  
23 had much more Aspen coming back into that area.  
24 So by using a chemical treatment method, we have  
25 avoided that scenario and reduced that cycle

1 period, the return on why we need to come back in  
2 the future.

3           So this is an example of that, of  
4 where herbicides were used to control the  
5 right-of-way vegetation. You can see some of the  
6 vegetation that was treated a few years previous  
7 to the picture.

8           And again, this is that softer edge  
9 that I was talking about. So on a right-of-way,  
10 we have the shrubs that are still there  
11 maintained, because we're able to selectively just  
12 control the trees, whereas the mowing produce that  
13 hard edge.

14           Another example of a patch of trees,  
15 Aspen in the middle of a right-of-way where we are  
16 able to just go and selectively treat just this  
17 one patch of trees. You can see all the shrubs  
18 and everything else, all the grasses all  
19 maintained on the right-of-way, really targeting  
20 just that one set of trees in this particular  
21 scenario. It really reduces the amount of  
22 equipment that needs to come back and treat the  
23 area on a continuous basis.

24           So this is a picture of a  
25 right-of-way, so this is a smaller voltage

1 transmission line, so it has a narrower  
2 right-of-way. But this right-of-way has been  
3 managed through integrated vegetation management  
4 approach for multiple cycles. So it's probably  
5 about 20, 25 years worth of management. Keeping  
6 in mind with integrated approach, we are doing  
7 some mechanical, some chemical. We're not going  
8 in every year, it's five to 10 years, and we've  
9 come into this area probably twice over the last  
10 20 years to treat. So we've got a lot of  
11 compatible shrubs and grasses on the right-of-way.  
12 The taller shrubs along the edges providing that  
13 softer transition on the right-of-way.

14           So when we talk about the Golder  
15 Winged warbler habitat, that we'll probably talk a  
16 little bit more in our monitoring presentation  
17 about, that's the kind of edges that we're trying  
18 to create on our right-of-way. And so it creates  
19 a habitat of low growing shrubs in the centre,  
20 still maintaining an access trail for line  
21 maintenance for patrolling and inspection. And as  
22 we get outside the wire zone, the wire zone is the  
23 area considered right underneath the transmission  
24 wires, and the border zone is that part of the  
25 right-of-way that is off to the side of the

1 conductors, as we can control and manage in an  
2 effective manner that allows all the shrubs and  
3 understory and diversity of species that  
4 integrated vegetation management approach allows  
5 for. Thank you.

6 MR. IRELAND: Commissioners, ladies  
7 and gentlemen, good morning. My name is Brad  
8 Ireland and I'm the Director of Corporate Services  
9 for Manitoba Hydro.

10 So five primary things that I'd like  
11 to share with you today, lessons learned most  
12 recently on the Bipole III project, building and  
13 maintaining landowner relationships. I'd like to  
14 speak, or spend a little bit of time talking about  
15 Manitoba Hydro's compensation program, our land  
16 acquisition strategy and property values.

17 So starting with lessons learned from  
18 past projects and experience, we have revised our  
19 compensation program. And in response to  
20 landowner feedback, we have changed the up-front  
21 payment at the time of signing from \$225 to now 50  
22 per cent of the land value. We've strengthened  
23 our communications with landowners, and to that  
24 effect, we have reached out by mail to all 126  
25 landowners. We have had discussions with 107 of

1 126 landowners. And we have had in-person  
2 discussions with 50 of 126 landowners.

3 We have also established a dedicated  
4 contact staff, and we have studied the high  
5 voltage transmission line impacts on property  
6 values through the PRA phase 3 report.

7 Manitoba Hydro is engaged in building  
8 long-term relationships with landowners. All  
9 right. So just come back to that prior point, so  
10 we endeavour to ensure that landowners have the  
11 information that they need, and to that effect,  
12 it's talking about information with regard to land  
13 acquisition, construction, bio-security and the  
14 regulatory process that they need to make good  
15 informed decisions that are in their long-term  
16 best interest. And that, of course, allows them  
17 to participate meaningfully in the regulatory  
18 process, if they desire.

19 And I mentioned earlier about the  
20 dedicated landowner liaison being established to  
21 each landowner. And again, that's in direct  
22 response to landowner feedback. There's a lot of  
23 communication that comes out on a project like  
24 this, and Manitoba Hydro can be a big place, and I  
25 think a lot of landowners found that, depending on

1 the type of question that they had, they can get  
2 lost in Manitoba Hydro. So what we did is  
3 establish the liaison that is the principal point  
4 of contact for a landowner from front to back on  
5 the project.

6           There are four parts to Manitoba  
7 Hydro's compensation program for transmission  
8 lines 66 kV and up. And so there is the easement  
9 part that I spoke briefly about and that's -- we  
10 pay 150 per cent of market value for the easement,  
11 for voluntary easement. There are structure  
12 payments, and that's based on agricultural uses  
13 and tower types. Construction damages, which  
14 addresses the construction, the damages that  
15 occurred during the construction, and then  
16 ancillary damages. And so let's take just a bit  
17 of a closer look on each part of that.

18           So first on easement, Manitoba Hydro  
19 believes that easements are the best option for  
20 both the landowner and Manitoba Hydro. Easements  
21 provide Manitoba Hydro with the rights that we  
22 need to operate the right-of-way, and it gives  
23 Manitoba Hydro the responsibility to maintain that  
24 right-of-way. Ownership stays in the landowner's  
25 name and the landowner continues to use the land

1 in largely the same way that they always have.

2           And I had mentioned earlier that we  
3 pay 150 per cent of market value for the land, and  
4 for this project we have changed that to 50  
5 per cent of the amount at signing, and landowners  
6 continue to use their land as they typically have.

7           Construction damages, two options  
8 here. Manitoba Hydro will return the land to  
9 pre-construction state or compensate the landowner  
10 to perform the restoration work on their own.

11           Ancillary damages, which is a one-time  
12 payment when Manitoba Hydro's use of the  
13 right-of-way impacts the use of property such as  
14 aerial application. And ancillary damages will  
15 not apply to every landowner. These damages  
16 typically refer to the damages that occur outside  
17 of the right-of-way, and is very much  
18 situationally specific and must be analyzed on its  
19 own merits.

20           And the last part of that four part  
21 compensation strategy is the structure  
22 compensation. And structure compensation is a  
23 one-time payment for each tower on agricultural  
24 land. It's based on the type of agricultural land  
25 and the tower structure and location. And this is



1 just an example of that, that a property classed  
2 as seeded hay with two towers can expect \$25,460,  
3 so that's a little over \$12,000 per tower, and as  
4 I said, that's just an example.

5 Now, the next slide is a good  
6 illustration of how that works. So in the centre  
7 on the drawing, you'll see the tower base. And  
8 that's illustrative of a 10 by 10 self-supporting  
9 structure. And then you'll see on each side of  
10 that tower base there is 6 feet outside of that  
11 that is considered to be 100 per cent crop loss.  
12 And then that's extended out front and behind the  
13 tower as well.

14 So that total area for the tower base  
15 and on each side of that tower, and then the two  
16 small triangles that extend front and back, the  
17 landowner is compensated for 100 per cent of crop  
18 loss for that area. And then you'll see on the  
19 outside of that there's a further 40 feet on  
20 either side of that where the landowner is  
21 compensated for 20 per cent of crop loss.

22 The photos demonstrate that in many  
23 cases, that in spite of the fact that there is  
24 that buffer zone right around the tower base, many  
25 landowners farm right up to the structure.

1                   Shifting to early land acquisition.  
2    Acquiring land for long linear projects is a  
3    time-consuming, sometimes difficult task. And the  
4    sooner we can get started, the better for Manitoba  
5    Hydro, because it reduces the risk to project  
6    timelines. And much better for landowners as well  
7    because we start providing them with an  
8    opportunity to talk to us about their land before  
9    we start talking to others about their land.

10                   Just a little bit of a status update  
11    of the work that has been done to date. And so  
12    the number of secured owners or easements is 43 of  
13    126, or 34 per cent. And I can tell you that  
14    since filing of this presentation, that number is  
15    now 50 secured easements of 126. We are in  
16    discussions with 61 of 126 and, again, that number  
17    has been updated as well, so it's now we are in  
18    discussion with 57 landowners. We're in active  
19    discussion with 107 of 126 landowners. We have  
20    three landowners who have asked us to wait until a  
21    licence decision, and we have seven of 126 who  
22    have said that they are not prepared to have a  
23    discussion with Manitoba Hydro at this particular  
24    time. And of the 12 where we haven't been able to  
25    establish any contact, it's now down to nine

1 landowners. So although it's very early, we're  
2 very encouraged by the results to this date.

3 Shifting to property values, the  
4 impacts of high voltage transmission line on  
5 property values is a concern to landowners.  
6 Manitoba Hydro has commissioned a report, which  
7 was filed as part of these proceedings, and the  
8 report looks at the effects of transmission lines  
9 on property values using data and examples from  
10 Manitoba.

11 Now, just a little bit more on that.  
12 Unfortunately, the PRA report concluded that the  
13 statistical findings or the conclusions apply only  
14 to residential properties in the three  
15 subdivisions and cannot be applied to other types  
16 of residential properties in Manitoba Hydro  
17 communities that are in close proximity to high  
18 voltage transmission lines. The PRA report did  
19 conclude that high voltage line transition impacts  
20 on property values is situationally specific. Any  
21 value reduction typically declines over time. And  
22 last, any claim for compensation would be unique  
23 to each property.

24 The fact that it is difficult to  
25 develop a universal and precise rule around the

1 impacts of high voltage transmission lines on  
2 residential properties reinforces the need for  
3 flexible compensation strategies.

4 And lastly, we'll continue discussions  
5 with landowners throughout the project, and  
6 Manitoba Hydro will include MMTP in our property  
7 value monitoring studies.

8 Thank you.

9 THE CHAIRMAN: Does that conclude your  
10 construction and property presentation? It does?

11 MR. MATTHEWSON: Yes, it does.

12 THE CHAIRMAN: Okay. Then we'll  
13 commence the questioning then. And I'm going to  
14 get to my schedule. So first up today is the  
15 Manitoba Metis Federation.

16 MS. STRACHAN: Good morning everyone.  
17 This is Megan Strachan, counsel for the MMF. And  
18 this is going to be pretty quick because we don't  
19 have any questions for this panel at this time.

20 THE CHAIRMAN: Thank you very much.  
21 Is Manitoba Wildlands here today? No. All right.  
22 Then we'll move to the Southeast Stakeholders  
23 Coalition. Mr. Toyne.

24 MR. TOYNE: All right. Thank you,  
25 Mr. Chair. Just so it's clear on the record, my

1 name is Kevin Toyne.

2                   So just so there's a bit of a road map  
3 for what I've got planned for this morning, we  
4 can't have a panel without me asking  
5 Mr. Matthewson a couple of questions, so we'll  
6 start there. I don't want to leave Mr. Stuart  
7 out, so I have I think I've got two questions for  
8 you. I've got a couple of questions for  
9 Mr. Penner. And then Mr. Ireland, you'll be  
10 surprised, I also have a couple of questions for  
11 you at the end. So why don't we start with  
12 Mr. Stuart, just to get that out of the way.

13                   You had a slide, or a series of slides  
14 that talked about the different bio-security  
15 grades. Grade 1 is an absolute fail, grade 4 is  
16 effectively, at least it appeared to me, fresh off  
17 the rack at Canadian Tire, and then there's some  
18 grades in between.

19                   You had one slide that talked about  
20 the percentages for each of the grades. And it  
21 seemed like most of the time the scores coming in  
22 were grade 3, and there weren't any grade 4, I  
23 guess, scores granted on that particular slide.  
24 And I'm wondering if you can take a minute to talk  
25 about how often or how frequent grade 4 scores

1 are, as opposed to say grade 3?

2 MR. STUART: That particular slide  
3 was, I think, one example from one particular  
4 tower site at a given point in time. So that was  
5 a pedestrian slide, and I believe it was from the  
6 early days of the project, likely in October or  
7 November. There have been literally hundreds of  
8 reports since then that we've received. We  
9 certainly do get grade 4's, I couldn't necessarily  
10 speak to the percentage of them that do come  
11 through, but they certainly do come through.

12 MR. TOYNE: And as I understand it,  
13 and you can correct me if I'm wrong, but a grade 3  
14 score is, at least in layman's terms, pretty good,  
15 and with a bit of cleaning on site, it's fine to  
16 go in. Is there, from a bio-security perspective,  
17 a quantitative or qualitative difference between a  
18 grade 3, getting cleaned up, and a grade 4? Does  
19 that make sense? Maybe a different way to ask it  
20 is, is there a greater bio-security risk with a  
21 grade 3 being cleaned up before entry is granted,  
22 as opposed to a grade 4?

23 MR. STUART: I wouldn't say there's a  
24 greater bio-security risk. I think the reality is  
25 in Manitoba's conditions, grade 4 would more

1 typically be found in dry conditions or frozen  
2 conditions. It's just a reality of the  
3 conditions. A grade 3 would be, from a risk  
4 perspective, still considered low risk by the  
5 monitors and under our procedures. It just  
6 represents that it may be, as an example, a wet,  
7 you know, wetter day as opposed to a frozen day or  
8 dry conditions.

9 MR. TOYNE: At least based on the  
10 presentation that you made, it struck me that  
11 grade 3 is the most common score that's being  
12 granted. Is that safe to say, at least in your  
13 experience?

14 MR. STUART: I couldn't necessarily  
15 answer that without looking at all the reports.  
16 Grade 3 would be the minimum expected upon entry  
17 to site. Grade 4 would be preferred, but grade 3  
18 certainly is a pass as well.

19 MR. TOYNE: And do the criteria that  
20 the scores are based on, do those change over time  
21 or have they been set in stone for a while?

22 MR. STUART: The criteria were  
23 developed by, I should note for the Commission's  
24 benefit, the criteria were developed by our  
25 independent bio-security monitors and they were

1 developed fairly early on in the monitoring  
2 process, and they have stayed relatively stable,  
3 particularly as the monitors themselves and staff  
4 became familiar with what exactly constituted a  
5 grade 3 versus grade 4.

6 MR. TOYNE: Are there any current  
7 plans to update or revise the criteria that  
8 underlie those scores, or the grades?

9 MR. STUART: Not at this point in  
10 time, no.

11 MR. TOYNE: All right. So  
12 Mr. Matthewson, I think just two questions for  
13 you.

14 You had showed a number of slides with  
15 pictures that showed the cleared right-of-way. As  
16 I understand it, one of the concerns that some  
17 private landowners have is that the right-of-way  
18 provides additional ease of access to their  
19 properties by people on say ATVs or snowmobiles,  
20 things of that nature. Whether or not you agree  
21 with those concerns or not, does Manitoba Hydro  
22 take any steps to try to address those concerns  
23 and to restrict access to the right-of-way from  
24 people that are, say other than Manitoba Hydro  
25 employees doing what they're supposed to be doing?



1 MR. MATTHEWSON: So on private land,  
2 Manitoba Hydro works with the landowner to  
3 identify those concerns if the landowner has those  
4 concerns. And we'll develop mitigation  
5 strategies. One of the primary mitigation  
6 strategy is a gate. So there would be a gate  
7 across and a fence across the right-of-way, and it  
8 would be gated and locked, and it would be double  
9 locked. So one lock owned -- the key would be  
10 held by the landowner and one lock key would be  
11 held by Manitoba Hydro.

12 MR. TOYNE: And then in the part of  
13 your presentation where you were talking about  
14 potential uses for this space under the  
15 right-of-way, I think you had made reference to,  
16 you know, animal grazing, gardens, I think you  
17 even referred to something called U-pick. And you  
18 had made reference to some sort of a communication  
19 that had recently been received with respect to a  
20 U-pick garden?

21 MR. MATTHEWSON: Yes, there was a  
22 filing from the public through the CEC process.

23 MR. TOYNE: Now, you'd agree with me  
24 that Manitoba Hydro's views on what might be an  
25 appropriate use of land underneath the

1 right-of-way would differ from some members of the  
2 public's views of appropriate uses of what's  
3 underneath the right-of-way?

4 MR. MATTHEWSON: It may differ.  
5 Manitoba Hydro does have to meet strict safety  
6 requirements for any type of land use under the  
7 right-of-way.

8 MR. TOYNE: Right. Because my  
9 understanding is that the letter that you're  
10 referring to is from a fellow, and I'm going to  
11 butcher the pronunciation of his name, Oleg Prus.  
12 He actually referred to it as a letter of  
13 dissatisfaction and raised concerns about who  
14 would actually go want to pick berries underneath  
15 the right-of-way?

16 So you'd agree with me that at least  
17 that particular individual, and potentially  
18 others, may have very different views from  
19 Manitoba Hydro as to what's an appropriate use of  
20 land underneath the right-of-ways and the power  
21 lines?

22 MR. MATTHEWSON: I don't have  
23 Mr. Oleg's letter in front of me to quote exactly  
24 what you, your interpretation of his letter, but  
25 certainly there are differing land uses, opinions

1 of land use of the right-of-way.

2 MR. TOYNE: Well, I'm not planning to  
3 take you through the letter. The Commission has  
4 got it, it says what it says.

5 So now, if we can turn to Mr. Penner.  
6 But of course as with the other panels, if other  
7 people want to jump in, please, by all means.

8 So sir, one of the very first slides  
9 that you had is the one that had the project  
10 schedule, the one that you provided a bit of an  
11 update on this morning. And at least the slide  
12 originally suggested that construction would start  
13 in January 2018, but you qualified that this  
14 morning that that would wait receiving all the  
15 necessary approvals, say from the Minister and  
16 from the NEB. But then there's also a reference  
17 to the end of construction in March 2020.

18 So are you able to tell the panel, is  
19 there a, for every month that the construction of  
20 the project is delayed, is there an equal amount  
21 of time in the delay of construction being  
22 completed? Does that make sense the way I phrased  
23 it?

24 MR. PENNER: I think best answer  
25 there, we would say that at this point we would

1 hold March 2020 date until we get into that  
2 timeline where there is a delay to the start of  
3 construction. Without knowing how long the delay  
4 is, we wouldn't speculate.

5 MR. TOYNE: So, realizing that there  
6 is limits to your ability to speculate on that, I  
7 take it that if there was say a month or a six  
8 week delay in getting the different approvals,  
9 that may not have that much of an impact on when  
10 construction ends. But if we're looking 12, 18,  
11 24 month delay in actually starting, that could  
12 have a pretty significant impact on when the  
13 construction of the project would be complete?

14 MR. PENNER: I guess I hesitate to  
15 speculate on a completion date at this point,  
16 until we know when we can start, and when we will  
17 assess. And certainly we have the ability to put  
18 more contractors and resources. Obviously, at  
19 some point it takes what it takes, the timeline,  
20 you know.

21 MR. TOYNE: Now, the next part of that  
22 slide talks about two sections to the project, the  
23 Dorsey to Anola, which is the part of the line  
24 that travels through the existing Manitoba Hydro  
25 corridors, and then the new right-of-way from

1 where the line would turn south or southeast of  
2 Anola.

3 From a construction perspective, and  
4 this is a hypothetical so bear with me, from a  
5 construction perspective would Manitoba Hydro be  
6 able to start on the construction of the first  
7 section, say Dorsey to Anola, without starting on  
8 the construction of the new right-of-way? Is that  
9 something that's possible from a construction  
10 perspective?

11 MR. PENNER: Yeah, it is possible to  
12 start on Dorsey to Anola section. Our intent at  
13 this point was to have separate contracts in that  
14 area versus the Anola to the border sections.

15 MR. TOYNE: All right. And from a  
16 completion perspective, if the, and again this is  
17 a hypothetical, if the project was phased so the  
18 construction on Dorsey to Anola starts well before  
19 construction on the new right-of-way, would that  
20 have any larger impact on when the project  
21 completes?

22 MR. PENNER: I'm not sure I understand  
23 your question.

24 MR. TOYNE: Yeah. As it came out, it  
25 sounded bad. I'm sorry. Let me see if I can

1 rephrase it.

2                   So as I understand it right now, the  
3 plan is two separate contracts start some time in  
4 2018, end sometime in 2020. And I take it that  
5 the current plan is that work would start on both  
6 of those sections at roughly the same time, or is  
7 there going to be a bit of a lag for when  
8 construction will start on the new right-of-way.

9                   MR. PENNER: I think we're delving  
10 into some speculation here. If we had an  
11 Environment Act licence and an NEB approval early,  
12 certainly we would probably start one section  
13 before the other. If it took a little longer, we  
14 would probably go out with contracts on both. In  
15 other words, I guess what we're saying is that if  
16 we had an early date, we would certainly start in  
17 owned corridor, because there's obviously a number  
18 of predications, we certainly wouldn't start in an  
19 area where we don't own the property and we don't  
20 have the NEB decision and we don't have the  
21 licence. We need those things.

22                   MR. TOYNE: Right. So I think I may  
23 have figured out a way to ask it, and if it's  
24 still a bad question, I'll move on.

25                   So again, if say the construction on

1 the new right-of-way starts, and this is a  
2 hypothetical, six months later than construction  
3 on the existing right-of-way, would that simply be  
4 a six-month delay in the completion of the  
5 project, or would splitting it up cause even  
6 additional delay? I hope that works from a  
7 comprehension perspective.

8 MR. PENNER: At this point we would  
9 not go beyond a March 2020 date for our  
10 speculation. We would not be speculating to  
11 complete any time other than March 2020, and we  
12 would look at all sorts of mitigation to ensure  
13 that we complete to that date. As we are doing on  
14 Bipole III, we are doing all sorts of things with  
15 contracts to ensure that we hit our ISD.

16 MR. TOYNE: Is there a deadline by  
17 which construction has to be completed?

18 MR. PENNER: I have my marching orders  
19 of March 2020.

20 MR. TOYNE: Are those marching orders  
21 tied to an actual deadline, or is that simply the  
22 arbitrary preference of those above you, to go  
23 back to an earlier line of questions I may have  
24 had?

25 MR. PENNER: Obviously, the schedule

1 is connected to a power sale agreement. I'm  
2 certainly not the person to discuss that agreement  
3 or timelines within that agreement.

4 MR. TOYNE: All right. If we can  
5 change direction a little bit. So there is the  
6 two types of towers that are going to be used on  
7 the project, we've got the self-supporting and the  
8 guy-wire. My understanding is that the  
9 self-supporting towers are generally used in areas  
10 near residences and in agricultural areas, is that  
11 a correct statement?

12 MR. PENNER: Yes, that is correct.

13 MR. TOYNE: Okay. And are they always  
14 used in those areas, or are guy-wire towers  
15 sometimes used near residences and in agricultural  
16 areas?

17 MR. PENNER: I would say for the most  
18 part, the self-supporting structures are typically  
19 in agricultural areas.

20 MR. TOYNE: And I'll tell you why I'm  
21 asking these next series of questions. So it  
22 strikes me that one potential licensing condition  
23 that could be placed on a class 3 licence would be  
24 the requirement that self-supporting towers must  
25 be used near residences and in agricultural areas.



1 And I'm just wondering if, from a technical  
2 perspective, if there would be issues with that  
3 type of a condition being imposed? Like are there  
4 technical problems that may require a guy-wire  
5 tower to be used, say in the vicinity of someone's  
6 residence or in the middle of an agricultural  
7 field, that would make that type of a licensing  
8 condition fatal to the project?

9 MR. PENNER: So for guyed structures  
10 for the most part, a technical reason may be where  
11 there's wetland or very poor soil conditions would  
12 be a better location for a guyed structure versus  
13 the self-supporting structure. So self-supporting  
14 structures are certainly agricultural lands where  
15 there's any kind of equipment that has to go  
16 around those towers, it makes much more sense to  
17 have a self-supporting structure. And the guyed  
18 structures in forested land or in swamper  
19 conditions where the ability for us to adjust the  
20 guy-wires to allow the ability to straighten the  
21 tower in softer and wetter land, that's typically  
22 an issue.

23 MR. TOYNE: All right. So just to  
24 make sure that I've got it. So if there's a  
25 landowner that has their residence close to one of

1 those areas of land that's wetter, maybe  
2 considered to be swamp, wetland, bog, the tower  
3 that may be close to that landowner's residence  
4 would be a guy-wire tower as opposed to a  
5 self-supporting structure, notwithstanding the  
6 fact that Hydro will try to use self-supporting  
7 towers near residences?

8 MR. PENNER: I think that's a  
9 reasonable statement.

10 MR. TOYNE: So sticking with the two  
11 different types of towers, and I think you were  
12 here for some of this earlier last week when I was  
13 asking questions about the tornadoes and the  
14 buffer. So Dr. David Swatek had -- just bear with  
15 me for a second -- had indicated in response to  
16 one of the questions that I had asked that towers,  
17 I may butcher sort of the technical aspect of  
18 this, but that towers can withstand straight line  
19 winds of about 105 kilometres an hour. And I  
20 didn't ask him this. And if I should have, I  
21 apologize. Is there a difference in the ability  
22 of say a self-supporting tower to withstand  
23 straight line winds as opposed to a guy-wire  
24 structure? Does that make sense?

25 MR. PENNER: Yeah. Let me just confer

1 with some of my people in the back row.

2 MR. TOYNE: Sure.

3 MR. PENNER: The guyed towers, as well  
4 as the self-supporting towers, are designed to the  
5 same loading criteria. So I would say no, that  
6 there really shouldn't be a difference in their  
7 ability to withstand straight line winds.

8 MR. TOYNE: Right. Now, my  
9 understanding from his presentation, which leads  
10 me to the question that I'm going to ask you is,  
11 is that the ability of these two different types  
12 of towers to withstand a certain amount of  
13 straight line wind doesn't really have a lot to do  
14 with their ability to withstand potentially weaker  
15 winds if those winds are in a tornado? Is that an  
16 accurate statement? Like did I understand that  
17 part of his testimony accurately?

18 MR. PENNER: Can you clarify? Did you  
19 say that straight line winds don't have any, or  
20 can't be compared to a tornadic type wind?

21 MR. TOYNE: Sorry, I've got a  
22 philosophy degree and a law degree, so some of the  
23 scientific stuff is a bit of a stretch for me. As  
24 I understood his evidence, it was a straight line  
25 wind of about 105 kilometres is what these towers

1 are designed to withstand. Tornadoes, even if the  
2 tornadoes have weaker wind speeds than that, the  
3 towers aren't designed to withstand, I think the  
4 phrase you just used was tornadic wind speeds? I  
5 just want to make sure that I understand it, that  
6 even though the wind speed might be slower because  
7 it's not a straight line wind, it will have a  
8 greater impact on the tower?

9 MR. PENNER: So the towers are not  
10 designed for the tornadic winds. But I don't  
11 think that a tower would come down if the winds in  
12 a tornado were weaker than the straight line winds  
13 that were designed. I mean, you would have to do  
14 some -- this would be, we're getting pretty  
15 technical, and in fact I think David would have to  
16 confer with some of our technical designers. But  
17 if the tornado winds are lower in wind speed than  
18 a straight line wind, I would speculate that the  
19 tower would stand.

20 MR. TOYNE: Okay. And I apologize if  
21 this is a question that I should have asked  
22 earlier, I thought that this was the appropriate  
23 panel. So if I'm asking the wrong groups, again,  
24 my apologies.

25 I take the point that the towers are

1 built to a certain design load, but is there  
2 anything else that could be done to make these  
3 structures more resistant to wind, or more  
4 resistant to tornadic winds? You know, it strikes  
5 me that, you know, we can send people to and from  
6 the moon, and if we can do that, there's got to be  
7 something we can do to make sure these things  
8 don't come down if it gets a little windy out  
9 there.

10 MS. MAYOR: Sorry, Janet Mayor on the  
11 record.

12 These were questions that were already  
13 put to Mr. Swatek. I think Mr. Penner has  
14 indicated this isn't his area of expertise. And I  
15 must say, as legal counsel, when a witness of mine  
16 says that he's speculating, I get a little queasy.  
17 So I thought I would interject at this point and  
18 indicate it's already gone to Mr. Swatek, who was  
19 the correct technical person. And I don't think  
20 Mr. Penner is in a position to answer these types  
21 of questions.

22 THE CHAIRMAN: Serge Scrafield, Chair.  
23 Are you saying that precise question was already  
24 asked, or not?

25 MS. MAYOR: Yes, that precise question

1 was already asked, and now he's asking  
2 Mr. Penner's opinion on the same question and  
3 Mr. Penner has indicated that he's not in a  
4 position to answer the technical nature of those  
5 questions.

6 THE CHAIRMAN: Okay. Well, given your  
7 preface to your remarks, then we won't expect this  
8 panel to answer that questioning.

9 MR. TOYNE: That's fine, Mr. Chair. I  
10 don't think I had asked that specific question,  
11 but I take the rest of Ms. Mayor's points.

12 So I did have a couple of other  
13 questions along the four engineers theme that I  
14 was going to ask you, sir. But given that we do  
15 have some new time constraints, why don't we see  
16 how Mr. Ireland and I do, and perhaps I can come  
17 back to those if you are anxious to answer them.  
18 Or even if you aren't anxious to answer them, we  
19 still may come back.

20 All right. So Mr. Ireland, I've got a  
21 handful of questions for you. Where should we  
22 start? Perhaps we could start with the part of  
23 your presentation on the slide, lessons from past  
24 projects and experiences. If you guys can pull it  
25 up on the screen, that would be great. That would

1 be slide number 4 from Mr. Ireland's presentation.

2 And then while we're looking,

3 Mr. Chair, are we breaking at 11:00?

4 THE CHAIRMAN: We will unless you are  
5 not going to run much past 11:00.

6 MR. TOYNE: I suspect I'll go a bit  
7 past 11:00.

8 THE CHAIRMAN: All right. We'll break  
9 at 11:00.

10 MR. TOYNE: All right. So, sir, as I  
11 understood what you had to say, that the revised  
12 compensation program that involves the 50 per cent  
13 up-front payment of 150 per cent of market value,  
14 that resulted from what you've termed as feedback  
15 from past projects. And I take it the feedback  
16 was from the Bipole III project in particular?

17 MR. IRELAND: That's correct.

18 MR. TOYNE: And at the time, just so  
19 it's clear for the panel, the amount of  
20 compensation that was being offered up front was a  
21 \$225 payment?

22 MR. IRELAND: That also is correct.

23 MR. TOYNE: And the feedback that you  
24 received, was it specifically, we'd like to  
25 receive 50 per cent of 150 per cent of market

1 value up front, or was it some other form of  
2 feedback that you received?

3 MR. IRELAND: The feedback with  
4 respect to the initial payment, I took a lot of  
5 those calls myself from landowners who reached out  
6 to me by phone. I also met with a number of  
7 landowners, and the issue in terms of \$225 was an  
8 issue with a lot of landowners. In fact, I would  
9 suggest to you it became a little bit, kind of a  
10 little bit almost of a running joke. And I met  
11 with a couple of landowners just to illustrate  
12 that point. I met with a couple of landowners who  
13 initially hadn't signed a voluntary easement, and  
14 we were discussing the issue of ancillary damages.  
15 And at the conclusion of that, the landowner had  
16 suggested to me that the issue that got the deal  
17 done was the \$225 payment, and she wanted to know  
18 when she could receive that \$225 payment. In  
19 fact, she would take it all in large bills.

20 So it became a little bit of kind of a  
21 sticking point for a lot of people. Because in a  
22 transaction where we are looking for these  
23 voluntary easements, in a transaction where you're  
24 talking about many thousands of dollars, the \$225  
25 just became kind of a little bit of an issue. So



1 we took that feedback seriously and we had another  
2 look at it.

3 MR. TOYNE: So it's fair to say that  
4 for at least some landowners, the \$225 payment  
5 wasn't enough to overcome their reluctance to sign  
6 the easement agreements?

7 MR. IRELAND: I don't know that I  
8 would say that it wasn't enough for them to sign  
9 an easement agreement. I think I'm suggesting to  
10 you, sir, that in conversations with landowners,  
11 this became a bit of a discussion around the  
12 initial payment. But I wouldn't agree that it was  
13 a barrier in terms of signing the easement.

14 MR. TOYNE: All right. Whoever is  
15 doing the slides, if you're still kind enough to  
16 follow along with what I'm doing, if you could  
17 pull up slide number 13? That's the one with  
18 the -- sorry, mine says 13 -- the one that's got  
19 the status update on it, the one with the  
20 different numbers. That's the one, yeah.

21 All right. So some of these numbers  
22 have changed a bit since mid last week, but just  
23 to go back to your point, sir. How does this  
24 compare to where things were at when Bipole III  
25 was before the Clean Environment Commission? Were

1 you having similar amounts of signed agreements,  
2 ongoing discussions with landowners, back when the  
3 amount that they got for signing an easement was  
4 \$225?

5 MR. IRELAND: I'm sorry, sir, but I  
6 don't have that comparison available to speak to  
7 today.

8 MR. TOYNE: Would you agree with me  
9 that the status update, if one was available for  
10 Bipole III at the same stage of the licensing  
11 process, would show considerably less progress in  
12 those categories, even if you don't have the  
13 precise numbers with you?

14 MR. IRELAND: As I said, sir, I don't  
15 have that comparison available, so I'm just not  
16 able to speculate on that for you.

17 MR. TOYNE: So, I've got a number of  
18 questions about this slide, as I'm sure you're  
19 surprised to hear. So for the first, the first  
20 row, the number of secured owners, I think you had  
21 said that is now up to 50, which is close to 40  
22 per cent of the total. Geographically, along the  
23 proposed right-of-way, are these primarily in one  
24 particular area? Are they spread throughout the  
25 proposed right-of-way? Is it a bit of a

1 patchwork? Do you know?

2 MR. IRELAND: Yeah, to the best of my  
3 knowledge, the easements that have been secured  
4 have been, they're spread out along the  
5 right-of-way.

6 MR. TOYNE: And to go back to one of  
7 the points that I had originally understood had an  
8 impact on payment and the ability to keep the  
9 payment, do you know how many of those secured  
10 owners, how many of those agreements have actually  
11 been registered at Land Titles?

12 MR. IRELAND: No, I don't have that  
13 information.

14 MR. TOYNE: Is that something that's  
15 easily obtainable? I don't like asking at a  
16 hearing like this for additional information if  
17 it's going to create a lot of work for a lot of  
18 people. Is that something that's an e-mail away,  
19 or is that hours and hours of work?

20 MR. IRELAND: We could provide,  
21 probably by this afternoon, the number that  
22 Manitoba Hydro has filed. But the registration  
23 process involves Land Titles office, and so we  
24 wouldn't be able to tell you when or how many are  
25 registered because that involves Land Titles. But

1 we could provide you with the number that we  
2 filed.

3 MR. TOYNE: Yeah, that's what I was  
4 going to ask. So once you file it with Land  
5 Titles, to some extent it's outside of your  
6 control, but someone should be able to let us know  
7 how many of those 50 have actually been sent for  
8 registration at Land Titles?

9 MR. IRELAND: That's correct.

10 MR. TOYNE: Mr. Chair, it's 11:00  
11 o'clock. I can come back after the break.

12 THE CHAIRMAN: All right. We'll meet  
13 back here at 11:15. Thank you.

14 (PROCEEDINGS RECESSED AT 11:00 A.M.

15 AND RECONVENED AT 11:15 A.M.)

16 THE CHAIRMAN: Okay, welcome back.  
17 We're going to start back. Mr. Toyne is continued  
18 questioning on the construction on property  
19 segment. Mr. Toyne.

20 MR. TOYNE: All right. Thank you,  
21 Mr. Chair.

22 All right, so Mr. Ireland, just  
23 sticking with the first row there, with the number  
24 of secured owners, as Hydro is referring to them.  
25 So each of those owners would have received the

1 first 50 per cent of the funds owing to them, now  
2 that they have signed an easement agreement?

3 MR. IRELAND: That's correct.

4 MR. TOYNE: And when we're talking  
5 about the money that's either being offered or  
6 paid to landowners, can you give the panel some  
7 sense as to how much we're talking? You know,  
8 earlier you had made reference to a farmer with  
9 two towers receiving a payment in the range of 25  
10 or \$26,000. But with respect to these landowners,  
11 how much money are we talking?

12 MR. IRELAND: That's a difficult  
13 question to answer because it depends on the  
14 amount of land that we're talking about. But some  
15 of the payments that have been made, as low as  
16 just a few thousand dollars, three, \$4,000, and in  
17 a couple of cases upwards of \$50,000. So it  
18 really does range and it really does depend on the  
19 amount of land that's taken.

20 MR. TOYNE: All right. And the  
21 examples on the higher end of the spectrum, so  
22 that would reflect Manitoba Hydro's estimate of  
23 150 per cent of market value, being approximately  
24 \$100,000 for the easement over that property?

25 MR. IRELAND: Yes, that's correct.

1 MR. TOYNE: All right. Now, just  
2 turning briefly to something that came up when I  
3 was asking Mr. Joyal some questions last week. I  
4 had asked him some questions about information  
5 that he was conveying to landowners about their  
6 right to keep the payments, if the project either  
7 doesn't proceed or if the route changes. And he  
8 had given us some evidence about what his  
9 understanding was and what he was telling  
10 landowners. I'd like to ask you a slightly  
11 different question, and that's sort of, you know,  
12 what the program actually says about this.

13 So is there any circumstance under  
14 which a landowner, say of those 50 who have  
15 already received funds, may have to return that  
16 money to Manitoba Hydro?

17 MR. IRELAND: I can't think of any  
18 situation where a landowner would be required to  
19 return funds.

20 MR. TOYNE: All right. So that's a  
21 little bit different, I think, from the question  
22 that I had asked. So is there any circumstance  
23 under which a landowner, who signs an easement  
24 agreement and receives funds, may have to give  
25 that money back to Manitoba Hydro; or once a

1 landowner receives a cheque from Hydro, that money  
2 is theirs no matter what?

3 MR. IRELAND: That's correct.

4 MR. TOYNE: And you'll agree with me,  
5 sir, that the fact that a landowner may have  
6 signed an easement agreement and accepted funds  
7 from Manitoba Hydro, that's not an indication that  
8 that landowner supports the proposed right-of-way?

9 MR. IRELAND: I would suggest that if  
10 we had a signed easement agreement with a  
11 landowner, that that's representative that the  
12 landowner is, at the very least, in agreement with  
13 the project for the portion of land that, you  
14 know, they own.

15 MR. TOYNE: All right. I may come  
16 back to that at the end, because I think that  
17 there is a bit of sunlight between that response  
18 and response that was provided to one of the  
19 Coalition's IRs, but I don't have it up here and  
20 I'd like to keep going.

21 So if we can look at the second row  
22 there, the ongoing discussions, that number has  
23 been revised down to 57 out of 126. These  
24 discussions, at least as I understand it, are  
25 landowners asking questions and Hydro providing

1 information to them as opposed to say active  
2 negotiations about an easement agreement. Is that  
3 a fair statement?

4 MR. IRELAND: I think it's reasonable  
5 to assume that it's a combination of both.

6 MR. TOYNE: All right. So for the  
7 part of the combination that's the negotiation  
8 aspect, how much above the 150 per cent of market  
9 value can landowners negotiate Hydro up?

10 MR. IRELAND: There is no opportunity  
11 to go beyond 150 per cent.

12 MR. TOYNE: All right. So I guess you  
13 and I are using negotiation in different senses.  
14 When you used the phrase negotiation, what were  
15 you talking about?

16 MR. IRELAND: The discussion and the  
17 negotiation that occurs between a land agent and a  
18 landowner is in the value of the land and highest  
19 and best use.

20 MR. TOYNE: All right. So the  
21 percentage of market value may not be at issue,  
22 but the market value is something that's up for  
23 discussion. Is that accurate?

24 MR. IRELAND: Can you repeat the  
25 question?



1 MR. TOYNE: Sorry. What's up for  
2 negotiation is the market value of the land, as  
3 opposed to the percentage of that market value  
4 that Hydro is going to pay? Is that less awkward  
5 phrasing?

6 MR. IRELAND: That's correct.

7 MR. TOYNE: And what happens if the  
8 landowner and Hydro don't come to an agreement on  
9 the market value of the land?

10 MR. IRELAND: We'll continue to work  
11 with the landowner, and we're hopeful that  
12 notwithstanding initial conversations with the  
13 landowner don't always result in us obtaining a  
14 signed easement, we'll continue to work with them.

15 MR. TOYNE: And as I understand the  
16 Manitoba Hydro process, if you are unable to  
17 obtain a voluntary easement agreement with a  
18 landowner, then Manitoba Hydro will attempt to  
19 resort to the expropriation process to acquire  
20 rights to that land? Is that a fair statement?

21 MR. IRELAND: Manitoba Hydro's  
22 preference, of course, is to always obtain a  
23 voluntary easement. And on this project, I think  
24 that it's probably too early to speculate if and  
25 when Manitoba Hydro would be required to go the

1 expropriation route.

2 MR. TOYNE: So of the 126 landowners  
3 that are being referred to there, how many of  
4 them -- let me try to rephrase that. So I take it  
5 if 126 out of 126 either sign easement agreements  
6 or have the expropriation process successfully  
7 carried out, the right-of-way construction can  
8 proceed. But what happens if hypothetically only  
9 125 out of 126, Manitoba Hydro can get access to  
10 their property? What if there's one holdout?  
11 What happens to the project then?

12 MR. IRELAND: Well, again, as I stated  
13 earlier, our preference of course is to always  
14 work with every landowner with the objective of  
15 obtaining a voluntary easement. And if we end up  
16 in the situation where, as you said, we have one  
17 landowner that we can't obtain a voluntary  
18 easement, your question was what happens to the  
19 project? And I would suggest that that doesn't  
20 have an impact on the project, because we have  
21 less sufficient time frame in the schedule to be  
22 able to address those kinds of situations.

23 MR. TOYNE: My question was a little  
24 bit different than that, and I'm sorry if it  
25 wasn't clear. So I wasn't suggesting that you

1 were able to get say 125 easement agreements and  
2 there was one easement holdout. I guess the  
3 premise, I think is the right word, of the  
4 question was, you were able to obtain rights to  
5 the lands of the 125 of 126, but you can't get an  
6 easement and you can't expropriate one holdout,  
7 what happens to the project then?

8 MR. IRELAND: Again, I think that  
9 that's a situation that we'll deal with when and  
10 if that occurs. I can't provide you with a  
11 definitive answer right now, what we would do in a  
12 situation like that, but we'll deal with it when  
13 and if it occurs.

14 MR. TOYNE: I'm going to suggest to  
15 you that the reason that you're unable to provide  
16 that response right now is that there is no plan  
17 B? So that if Manitoba Hydro is not able to  
18 expropriate the number of landowners that don't  
19 enter into easement agreements, you actually don't  
20 know what you will do. And that's because Hydro  
21 has presumed that they will be able to expropriate  
22 landowners who don't sign easement agreements. Do  
23 you agree or disagree?

24 MR. IRELAND: No, I don't think that I  
25 would agree with that, and I wouldn't agree with

1 it because, just because we haven't contemplated  
2 the exact scenario that you have put on the table,  
3 we have scheduled sufficient time, from a property  
4 perspective -- let me just back up. So from a  
5 property perspective, from a land acquisition  
6 perspective, we start with the in-service date and  
7 back up from there. And we have all of this  
8 fiscal year. So until the end of the year, we  
9 have all of that time available to pursue  
10 voluntary easements. And then we have an  
11 additional window of one year to be able to pursue  
12 any land that we haven't been able to obtain  
13 through voluntary easement, so we have an  
14 additional 12 month window.

15           And then from a construction  
16 perspective, and I think there were some questions  
17 on that earlier today, from a construction  
18 perspective, if we're dealing with a small number  
19 of landowners we're still in negotiation or we're  
20 still in discussion with, we have the ability to  
21 be able to start the project and skip over a  
22 parcel of land or two.

23           So we have sufficient time planned in  
24 the schedule to deal with kind of those unforeseen  
25 circumstances. So I wouldn't agree with you that

1 there isn't a plan B. I think that those  
2 exceptions to rule, if you will, are built into  
3 the schedule.

4 MR. TOYNE: All right. So what I took  
5 from that is there is a period of time within  
6 which Hydro has set aside in the construction  
7 schedule to make sure that you can acquire rights  
8 to the land, and that that period of time ends, I  
9 guess, at the end of 2018. What happens if you  
10 are still unsuccessful at that point?

11 MR. IRELAND: With all due respect,  
12 sir, we're talking over a year and a half from  
13 now. And I would suggest to you that if we have a  
14 situation that we're dealing with in the early  
15 part of 2019, we'll address that matter at that  
16 time.

17 MR. TOYNE: All right. So to go back  
18 to something you said a moment ago, you had said  
19 that if you are able to obtain a licence and  
20 you've got rights to most, but not all of the  
21 properties along the final preferred route, that  
22 you can get started. But are there certain  
23 parcels of land along the final right-of-way  
24 where, if you don't have access to them and if you  
25 can't get access to them, that whatever work

1 you're going to have to do will start to affect  
2 much more than just the parcels of land on either  
3 side, from a construction perspective?

4 MR. IRELAND: Not that I'm aware of.

5 MR. TOYNE: All right. So just so  
6 it's clear, if there's one particular landowner  
7 that you are unable to get rights to access their  
8 property through the easement or through the  
9 expropriation process, whatever work around Hydro  
10 may have isn't going to have significant ripple  
11 effects, either before that property or after that  
12 property, say from a tower placement perspective,  
13 a tower spacing perspective, where angle towers  
14 should go, you don't foresee any issues with that?

15 MR. IRELAND: I don't think the  
16 situation that you had alluded to would impact on  
17 our ability to be able to proceed with the  
18 project.

19 MR. TOYNE: Just to change tack for a  
20 second. The secured owners in the ongoing  
21 discussion rows, earlier you had talked about  
22 Hydro's concerns about the long-term best  
23 interests of the landowners. Does Hydro provide,  
24 either directly, or funding for independent legal  
25 advice for the people who are signing these

1 agreements so that they understand what they're  
2 getting into?

3 MR. IRELAND: Yes, Manitoba Hydro  
4 provides reimbursement for reasonable legal fees.

5 MR. TOYNE: And do you know how many  
6 of these folks take you up on that?

7 MR. IRELAND: I can't provide you with  
8 an exact number, but generally speaking, most  
9 landowners take us up on that offer.

10 MR. TOYNE: So just to go back to that  
11 IR that I had mentioned earlier, so it's Manitoba  
12 Hydro's response to Coalition IR 361. So we'll  
13 come back to some of the specific questions that  
14 are being asked there momentarily. But if you go  
15 over, it's the very last sentence over at the top  
16 of the second page, whoever drafted this response  
17 says, on behalf of Hydro:

18 "Further, the voluntary easement  
19 agreement does not preclude the  
20 property owner from participating in  
21 the regulatory process, nor does it  
22 indicate support for the project."  
23 And earlier I had just asked you to confirm that  
24 signing one of these easement agreements does not  
25 indicate that the landowner supports the project.

1 And I didn't write down your answer, but it was,  
2 it was a bit different than this. And I just  
3 wanted to make sure that it's clear that if a  
4 landowner signs a voluntary easement agreement,  
5 that Manitoba Hydro's position is still that the  
6 signing of that agreement and the payment of those  
7 funds does not indicate the landowner's support  
8 for this project?

9 MR. IRELAND: I think my answer to  
10 that was consistent with the IR. What I had said  
11 is that the landowner signing an easement isn't  
12 taken to be support for the project. What I did  
13 say is that by signing an easement, it's  
14 demonstrating that they're supportive of the  
15 portion of that project that is going to impact  
16 directly on their lands. Otherwise I didn't think  
17 that they'd be signing a voluntary easement.

18 MR. TOYNE: All right. So it's  
19 support of the part of the project that directly  
20 affects them, but not the part of the project that  
21 does not directly affect them?

22 MR. IRELAND: Well, I can't speak for  
23 the landowner, so I don't know what they think.  
24 But what I am suggesting to you, sir, is that if  
25 they sign a voluntary easement for their property,



1 I'm suggesting that they at least support it to  
2 the extent that they're agreeing to have the  
3 project, or the right-of-way on their land. But I  
4 do agree with your comment that that can't be  
5 taken as unilateral support for the project.

6 MR. TOYNE: All right. So if you  
7 could flip back to the first page of this IR? So  
8 I've got a couple of propositions I'm going to put  
9 to you, and I'm going to ask you to say yes or no.  
10 Pause briefly before answering, just in case one  
11 of your counsel wants to jump in, or one of the  
12 other witnesses. But we'll start with what's up  
13 on the screen.

14 So we've got the row that says "Those  
15 declining discussion." So I'm going to suggest to  
16 you that if that number stays steady, so if seven  
17 of the 126 landowners refuse to engage in  
18 discussions with you, and if you aren't able to  
19 expropriate their property, that this project  
20 can't proceed along the current proposed  
21 right-of-way. Do you agree or disagree?

22 MR. IRELAND: No, I don't agree with  
23 the assumptions. There's a lot of assumptions  
24 made in that statement, and so for that reason I  
25 just can't agree with that.

1 MR. TOYNE: All right. So maybe a  
2 different way to ask it is, Manitoba Hydro's  
3 position is that they can proceed with the current  
4 right-of-way even if they don't have the right to  
5 access all 126 of the properties along the way?

6 MR. IRELAND: Yes, that's correct,  
7 that we would start construction on the remainder  
8 of the right-of-way and continue to work those  
9 seven properties for which we don't have a  
10 voluntary easement.

11 MR. TOYNE: All right. So to go back  
12 to this IR, so it's Coalition IR 361. So the  
13 premise of this IR is a series of questions about  
14 the payment of money to landowners along the  
15 proposed right-of-way before a final route has  
16 been recommended by the Commission and approved by  
17 the Minister.

18 So the first proposition there, I'm  
19 going to ask you for your views on whether you  
20 agree or disagree with it, is that the offering of  
21 all of this money to landowners along the proposed  
22 right-of-way is disrespectful to the Commission,  
23 the participants and this entire Commission  
24 process. Do you agree or disagree with that?

25 MR. IRELAND: I disagree with that.

1 MR. TOYNE: And I'm going to suggest  
2 to you that the payment of money to landowners  
3 along the proposed right-of-way, before the final  
4 route has been recommended and approved, presumes  
5 that the Commission and the Minister of  
6 Sustainable Development are simply going to give  
7 Manitoba Hydro what it's asking for. Do you agree  
8 or disagree?

9 MR. IRELAND: It does not presume that  
10 the Commission will rubber stamp the application,  
11 no.

12 MR. TOYNE: All right. So I  
13 appreciate the reference to something I had said  
14 earlier about rubber stamping, but that was just  
15 with respect to the Commission. There is also a  
16 question here about the Minister. And in  
17 particular, do you agree with me that paying money  
18 to these landowners along the proposed  
19 right-of-way presumes that the Minister is going  
20 to agree to allow Hydro to expropriate lands of  
21 landowners that don't enter into easement  
22 agreements?

23 MR. IRELAND: I'm sorry, sir, can you  
24 repeat the question for me?

25 MR. TOYNE: Yeah, sure. Do you agree

1 with me that paying money to landowners presumes  
2 that the Minister is going to grant Manitoba Hydro  
3 the ability to expropriate those landowners that  
4 don't enter into agreements?

5 MR. IRELAND: No, I don't agree with  
6 you.

7 MR. TOYNE: All right. And if the  
8 Minister or the Provincial Government or the  
9 Courts, I suppose, say that Hydro can't  
10 expropriate landowners that refuse to enter into  
11 voluntary easement agreements, what does Hydro do  
12 with the project at that point?

13 MS. MAYOR: Mr. Chairman, I think this  
14 question has been asked several different times,  
15 several different ways, and I think we have  
16 already provided that answer, both in IRs and in  
17 Mr. Ireland's testimony earlier this morning.

18 THE CHAIRMAN: Thank you. Mr. Toyne,  
19 you have asked questions around this subject.

20 MR. TOYNE: Yes.

21 THE CHAIRMAN: Is there something  
22 different you are getting at with this question  
23 compared to the ones before?

24 MR. TOYNE: It's being posed to  
25 someone that perhaps is in a better position to

1 answer it. But if Hydro is content with the  
2 answers that have already been provided, then I  
3 don't want to waste time arguing about it.

4 THE CHAIRMAN: Okay. Then my question  
5 to Hydro, is there going to be anything different  
6 about this answer, if it's to a different person?

7 MR. IRELAND: No.

8 THE CHAIRMAN: Okay. Then I suggest  
9 we move on, I think then. If it's not a different  
10 question and it's not going to be a different  
11 question, then we should probably move on,  
12 Mr. Toyne.

13 MR. TOYNE: All right. So going to C  
14 in this IR. So, sir, do you agree or disagree  
15 that paying money to landowners along the proposed  
16 right-of-way before a final route has been  
17 recommended and approved appears to be a bribe  
18 intended to minimize landowner opposition to the  
19 proposed route?

20 MR. IRELAND: I don't agree with that  
21 at all.

22 MR. TOYNE: And just to go back to my  
23 earlier question, you're still not in a position  
24 to provide us with the equivalent status of  
25 discussions with Bipole III landowners at this

1 stage in the licensing process, when landowners  
2 were only receiving \$225 if they signed an  
3 easement agreement?

4 MS. MAYOR: Again, Mr. Chairman, that  
5 was asked and answered.

6 THE CHAIRMAN: For the benefit of the  
7 Chair, I was just making a note on something else.  
8 Could you repeat your question, Mr. Toyne?

9 MR. TOYNE: I don't think I can repeat  
10 it verbatim but I will try.

11 So after Mr. Ireland said that he did  
12 not agree that the payment to the landowners is a  
13 bribe intended to minimize landowner opposition, I  
14 asked if he was still, I think the phrase I used  
15 was unable, but the transcript will reflect, to  
16 provide the equivalent status update from Bipole  
17 III, when landowners were being offered a mere  
18 \$225 for entering into the easement agreement, as  
19 opposed to the upwards of \$50,000 that some of  
20 them have been paid on this project?

21 THE CHAIRMAN: Okay. Then my question  
22 to Hydro is, my recollection of the earlier answer  
23 is you could not provide it at this time, you  
24 don't have that information. Is that something  
25 that's easily provided or something that would

1 take some time to do?

2 MR. IRELAND: The Bipole III project,  
3 different project, different time, and dealt with  
4 a completely different set of rules in terms of  
5 where that was routed, and difficult to make the  
6 direct comparison to this project. And having  
7 said that, to be able to provide a status report,  
8 an alike status report, I'm not sure what the  
9 value would be, or how difficult. But suffice to  
10 say that it would take some time to put that  
11 together, if in fact we could put that together.

12 THE CHAIRMAN: Okay. Given that  
13 response, I think, Mr. Toyne, we'll move onto the  
14 next question.

15 MR. TOYNE: Bear with me for just one  
16 second, Mr. Chair.

17 THE CHAIRMAN: Yes.

18 MR. TOYNE: I'm almost finished.

19 THE CHAIRMAN: Thanks.

20 MR. TOYNE: I had a chance to speak  
21 with some of the folks from the Coalition while  
22 the panel was conversing, so I think that this  
23 will be my last question.

24 So, sir, I don't know if you were here  
25 during opening statements, but I trust you are no

1 doubt aware that one of the things that the  
2 Coalition is asking this Clean Environment  
3 Commission panel to do is to send Manitoba Hydro  
4 back to the drawing board, either entirely or at  
5 least for a significant part of the proposed new  
6 right-of-way. And in light of that request being  
7 made to this regulatory body, are you on behalf of  
8 Manitoba Hydro prepared to suspend all further  
9 discussions with landowners until this Commission  
10 has made their final determination on that  
11 request?

12 MR. IRELAND: Sir, I'll remind you  
13 that we're only speaking to landowners of which we  
14 have been in touch with and have expressed a  
15 willingness to talk to Manitoba Hydro. And the  
16 early land acquisition strategy that we have is to  
17 balance the risk for Manitoba Hydro with regard to  
18 project schedules. We believe that it is in the  
19 best interest of landowners, because when you have  
20 a land agent standing on a doorstep of a  
21 landowner, talking to a landowner about the  
22 project, that project goes from 126 landowners to  
23 one. And we believe that there is great value to  
24 the landowner in hearing firsthand how the project  
25 will impact upon their property. Not 125 others,



1 and not the stuff that you read from a brochure,  
2 but the stuff that they are actually hearing about  
3 their property. And so we believe that it  
4 benefits Hydro, we believe that it benefits the  
5 landowners who have indicated a willingness to  
6 speak to Manitoba Hydro about the project. And I  
7 personally believe that it benefits the  
8 Commission, because the Commission is hearing  
9 firsthand how landowners feel about the project.

10 So, I know that's a bit of a long  
11 answer to your question, but no, we are not  
12 prepared to suspend discussions with landowners.

13 MR. TOYNE: All right. Just to build  
14 on that very briefly, and then I'll stop because  
15 I've gotten better at estimating how long I'll  
16 take, but as Ms. Mayor will tell you, I'm still  
17 not hitting it with 126 out of 126-degree  
18 precision.

19 You'd agree with me, though, that  
20 those doorstep discussions, those are discussions  
21 that could happen after a licence has been  
22 obtained. And that from the landowner's  
23 perspective as opposed to Hydro's perspective,  
24 there is no reason that those have to happen  
25 before the project is actually permitted to cross

1 their property?

2 MR. IRELAND: Those discussions with  
3 landowners could, of course, occur after the  
4 hearing and will continue to occur after the  
5 hearing.

6 But going back to my original comment,  
7 sir, I believe that there is great value to the  
8 landowner to hear about the project as soon as  
9 possible, so it manages misinformation and they  
10 are getting information as soon as possible about  
11 the project.

12 MR. TOYNE: As much as I'd like to  
13 keep going, Mr. Chair, I think I'm done.

14 THE CHAIRMAN: Thank you, Mr. Toyne.

15 All right. Next up on our schedule is  
16 Dakota Plains Wahpeton Oyate. That will be  
17 Mr. Mills.

18 MR. MILLS: Thank you, Mr. Chairman.

19 Our client has asked us to pay  
20 particular attention to the Mother Earth and the  
21 quality of the environment that this project  
22 leaves it in. So we'd like to talk about that.

23 Mr. Penner, Glenn, good morning.

24 Would you agree with me that Manitoba Hydro more  
25 than considers themselves leaders in this type of

1 work, that your team is, in fact, leaders in this  
2 type of work?

3 MR. PENNER: Referring to transmission  
4 construction?

5 MR. MILLS: Yes, what you do.

6 MR. PENNER: I think we have good  
7 expertise in the work that we do, yes.

8 MR. MILLS: We don't disagree. Could  
9 you describe your team size to me, in particular  
10 the number of environmental inspectors and  
11 construction supervisors that you would expect to  
12 be overseeing this work?

13 MR. PENNER: Just a moment. So it  
14 would vary a little bit depending on the number of  
15 contracts and the contractors that we have.  
16 Typically we will have a supervisor. So if we end  
17 up with two contracts, looking after two sections,  
18 we would have a supervisor looking after each, we  
19 would have an environmental inspector, we would  
20 have a safety officer, probably some admin. staff  
21 in each section in a field office, and then there  
22 would be a handful of inspectors that would be  
23 available to look after, they'd be part of the  
24 clearing, an inspector for the foundations. It  
25 really depends on the amount of contractors

1 working at the time.

2 MR. MILLS: The information seemed to  
3 be not included in the greenhouse gas life cycle  
4 analysis, and we're attempting to understand if  
5 you were in fact going to have any environmental  
6 inspectors or supervisors. So that will help us  
7 with that. Thank you.

8 We'd like to talk about procurement.  
9 Our concern is the environment, and although your  
10 presentation didn't touch on it, the greenhouse  
11 gas and air quality reports that we receive  
12 indicate that your team is looking to China and  
13 India as most probable steel sources for this  
14 project. Is that fair to say?

15 MR. PENNER: So you're getting into  
16 some of the greenhouse gas calculations, which is  
17 not my area of expertise.

18 MR. MILLS: No, I'm not getting  
19 anywhere near greenhouse gas calculations. The  
20 greenhouse gas report indicates that they base  
21 their decisions on information that your team  
22 provided. So I'd like to talk about the  
23 information that your team provided. I think  
24 that's fair for this panel.

25 MR. PENNER: Absolutely. And I was

1 just kind of pre-cursing the conversation, just to  
2 say that's where -- my understanding where you  
3 were going with this.

4 I think it's fair to say at this point  
5 that those are worst case projections that the  
6 greenhouse gas experts have done. We have not  
7 gone to market for our steel. So at this point,  
8 until we go to tender and find out what our best  
9 value is, we don't know where we're going to  
10 source our steel from.

11 MR. MILLS: We understand that you  
12 provided information to the greenhouse gas life  
13 cycle analysis. In fact, they tell us that's what  
14 their conclusions are based upon. Was there any  
15 information provided back to your group, your  
16 team, from the greenhouse gas analysis? As an  
17 example, did they give you any advice or direction  
18 with regards to what the different values would be  
19 if you procured steel from, for instance, China?  
20 Was there any information received to your team  
21 back from the greenhouse gas analysis?

22 MR. PENNER: No, there hasn't been  
23 feedback from the greenhouse gas experts.

24 MR. MILLS: We call it learning from  
25 our past mistakes. We looked up your Bipole III

1 tender for the manufacture and supply of  
2 transmission line steel towers, and it's not  
3 mentioned. So we ask you, when you go to market,  
4 as you say, to procure a product, is a value  
5 placed on the, shall we say cleanliness of the  
6 source that you use? For instance, to be  
7 specific, if you received a slightly lower price  
8 from a Chinese manufacturer as opposed to a German  
9 manufacturer, would your procurement process put  
10 any value on the GHG contributed by that decision?

11 MR. PENNER: Tenders are evaluated  
12 using a matrix, but there isn't an evaluation  
13 component for greenhouse gas emissions for the  
14 tower steel supplier.

15 MR. MILLS: Is there a value placed on  
16 any environmental contribution when you analyze  
17 your procurement sections?

18 MR. PENNER: When we evaluate  
19 contractors for their previous experience, we  
20 typically take into account their environmental  
21 experience. So I would say, yes, that is part of  
22 the evaluation criteria.

23 MR. MILLS: We were disappointed to  
24 discover that your procurement decision to proceed  
25 with Jyoti, I believe we pronounce it, on Bipole,

1 in light of the fact of the 64 galvanizers in the  
2 available catchment, they appeared to be the only  
3 galvanizer that were not environmentally approved  
4 in the United States, due to the manner in which  
5 they disposed of their galvanic wash.

6 Does your procurement team have any  
7 training or are they provided with any resources  
8 to allow them to analyze or consider the  
9 environmental effect of the decisions they make  
10 when they procure materials? As an example,  
11 Glenn, CSA offers a GHG analysis certification.  
12 Do any members of your procurement or construction  
13 team hold that certification?

14 MR. PENNER: I am not sure whether any  
15 hold that certification.

16 MR. MILLS: I searched the CSA site  
17 this morning and I don't believe any of them do.

18 As a go forward, and I'll move on,  
19 would it be something that Manitoba Hydro and your  
20 team could consider putting more emphasis on, that  
21 is including the effect that your work has on the  
22 environment, when you make procurement or contract  
23 award decisions?

24 MR. PENNER: I think I do need to  
25 correct that premise, that we do consider

1 environmental effect of our contractors. With  
2 respect to greenhouse gases, we don't make any  
3 decisions within the best value framework for  
4 steel towers. That's certainly something that we  
5 could consider as part of the calculation in the  
6 future.

7 MR. MILLS: It's an aside, but it's  
8 part of procurement and it's part of the work you  
9 do. Is any of your team familiar with the  
10 expression, when it comes to galvanized steel  
11 towers, dulling of galvanizing?

12 MR. PENNER: I do understand there is  
13 a method to adjust the finish of galvanized steel  
14 to -- when galvanized steel comes out it's quite  
15 shiny, and there is a treatment that you can do to  
16 dull the finish. I don't believe that's something  
17 that we have done.

18 MR. MILLS: Your Bipole supplier's  
19 website describes dulling as a process that  
20 reduces the reflectivity of galvanized material to  
21 better camouflage the tower with its surroundings.  
22 Is this a technique that you have considered in  
23 this work, that is Manitoba-Minnesota towers and  
24 your procurement process for it?

25 MR. PENNER: If you look at existing



1 transmission lines, typically after a few years of  
2 aging or weathering, that's where this galvanized  
3 steel gets to. So we have not considered putting  
4 on a dulling treatment to reduce the shininess of  
5 the steel in the first couple of years.

6 MR. MILLS: So you do not consider  
7 dulling in your procurement process.

8 Glenn, we're concerned about the  
9 environment and we're concerned about what these  
10 lines give off, both in terms of EMF and line  
11 loss. You certainly understand this much better  
12 than we do. But is it fair to say that a 500 kVa  
13 AC line has a significantly higher line loss than  
14 a 500 kVa DC line?

15 MR. PENNER: Just hang on a moment.  
16 That's not certainly an area of my expertise, but  
17 we may have the answer to that for you.

18 MR. MILLS: I'd be happy if we got  
19 close.

20 MR. PENNER: You know, I think in the  
21 best interest of getting an answer, and my  
22 understanding was you want to know the difference  
23 between a 500 kV DC line and a 500 kV AC line of  
24 this line length, what the differences in line  
25 losses would be?

1 MR. MILLS: Well, actually I'd be  
2 happy to go to the next question.

3 MR. PENNER: Okay.

4 MR. MILLS: Can you give me an  
5 approximation of what the line loss would be as a  
6 percentage over the proposed route of this  
7 project?

8 MR. PENNER: Again, what I'm reading  
9 from David Swatek, David Jacobson, is about a .5  
10 per cent loss in line losses.

11 MR. MILLS: One half of 1 per cent is  
12 the line loss over the Manitoba-Minnesota 500 kVa  
13 line? That's your answer?

14 MR. PENNER: That's my understanding.  
15 If you'd like to get additional information, I  
16 think that we should do an undertaking that's  
17 clear, and we can get the technical people  
18 responsible to provide an answer.

19 MR. MILLS: Could I have that  
20 undertaking?

21 MR. PENNER: Can we be clear about  
22 what you're looking for?

23 MR. MILLS: I'd like to know what the  
24 projected line loss is over the Manitoba-Minnesota  
25 transmission project, assuming the preferred route

1 and reasonable loads? I recognize that the line  
2 loss -- I understand the line loss may well vary  
3 significantly over the loads the line carries.  
4 But as a tool for discussion, I'd like some advice  
5 as to what Hydro projects the line loss to be over  
6 this line?

7 MR. PENNER: Okay.

8 MR. MILLS: I'm sure someone has asked  
9 that question before.

10 (UNDERTAKING # MH-3: Advise what Manitoba Hydro  
11 projects line loss to be over transmission line)

12 MR. MILLS: I'd like to move now to  
13 the right-of-way clearing, a pet of ours. The  
14 document referred to as the summary of the  
15 Environmental Impact Statement provides us with  
16 some information, and I just find it easier than  
17 the EIS. It indicates that:

18 "Out of 213 kilometres of final  
19 preferred route, only 36 kilometres  
20 require forest clearing."

21 Does that number remain fairly accurate?

22 MR. MATTHEWSON: Yes, that's our  
23 current estimate.

24 MR. MILLS: Great. So my grade 10  
25 arithmetic, 36 kilometres, let's use 100 metre

1 wide, we get 3.6 square kilometres, which is  
2 approximately 360 hectares. Is that an operating  
3 number we could talk about?

4 MR. MATTHEWSON: I think the  
5 approximate number is approximately 500 hectares,  
6 as in my presentation, of area that may be  
7 cleared.

8 MR. MILLS: Okay. Either my  
9 arithmetic is inaccurate or your 36 kilometres  
10 required clearing may need some adjustment. That  
11 number is larger than we expected.

12 Our experience, Glenn, on Bipole is  
13 that there was approximately 40 cords of  
14 salvageable timber came out of a hectare. Now, we  
15 recognize that the forest is certainly of a  
16 different quality. Has Manitoba Hydro put any  
17 rough numbers to the quantity of biomass that will  
18 be harvested on this right-of-way?

19 MR. MATTHEWSON: So with respect  
20 biomass, in the greenhouse gas calculations  
21 report, there was an assumption of the amount of  
22 biomass, and there are several IRs I think on this  
23 topic as well.

24 Manitoba Hydro is developing a  
25 clearing plan over the next few months, under

1 which it will identify the different methods of  
2 clearing of that forested land, the degree to  
3 which the land will be cleared. As I mentioned  
4 before, some of that land is covered by the Golden  
5 Winged warbler habitat, of which we will be  
6 undertaking a variety of different clearing  
7 options to retain as much biomass as possible. So  
8 there are a variety of different clearing methods,  
9 as I have described in my presentation, and as  
10 well as utilizations of biomass that Manitoba  
11 Hydro is considering.

12 MR. MILLS: The information provided  
13 makes two vague references to the burning of  
14 slash. We find a vague reference in the  
15 greenhouse gas report and we find a vague  
16 reference in the air quality report. It isn't  
17 mentioned specifically, and your presentation  
18 candidly specifically avoided discussing it.

19 Can we assume that there will be no  
20 burning of slash or biomass in this project?

21 MR. MATTHEWSON: No, we cannot assume  
22 there will be no burning of slash or biomass on  
23 this project. As I discussed, there's a variety  
24 of different methods that Manitoba Hydro will  
25 utilize, and talk with landowners to develop the

1 appropriate utilization of biomass where possible.

2 MR. MILLS: We would suggest that  
3 biomass and burning are matters that the Clean  
4 Environment Commission should have some knowledge  
5 of when they arrive at their permit  
6 recommendations. Would you not agree with me on  
7 that? James? Shouldn't what you're going to, how  
8 you're going to get rid of the biomass and what  
9 you're going to do with it, aren't those baseline  
10 environmental concerns?

11 MR. MATTHEWSON: Certainly the  
12 utilization of biomass was assessed as part of the  
13 Environmental Impact Statement, in a variety of  
14 different chapters. The greenhouse gas report  
15 talks about a scenario where the biomass is  
16 burned, and provides that information to the  
17 Commission for their consideration.

18 MR. MILLS: No, it doesn't.

19 MR. MATTHEWSON: I think with respect  
20 to the biomass, there will be another panel coming  
21 up with respect to the greenhouse gas report, and  
22 they will be able to further articulate the exact  
23 details of that report.

24 MR. MILLS: I appreciate that we have  
25 a greenhouse gas, but we may have someone who may

1 know something about greenhouse gas. I'm  
2 anticipating down the road that the author of the  
3 greenhouse gas report is not going to be present,  
4 and I am anticipating that we're going to be told  
5 that the greenhouse gas calculations are arrived  
6 at by the numbers and information provided to the  
7 Pembina Institute by the construction team. So I  
8 really think that there are some greenhouse gas  
9 issues and questions that this panel fairly should  
10 address.

11 We like to go, we call it shopping,  
12 and we went to the Lower Churchill project  
13 greenhouse gas emission and fuel consumption  
14 report, Glenn, and we'll come back to that.

15 So I'm not sure if I asked the  
16 question, and I'll try to keep moving. We  
17 understand from Stantec, with regards to the air  
18 quality report, and Pembina Institute with regards  
19 to the greenhouse gas life cycle analysis, that  
20 they based their conclusions on information that  
21 was provided to them from your team, Glenn. Is  
22 that fair to say? Amount of equipment, number of  
23 cranes, horsepower, et cetera?

24 MR. PENNER: Yes, I think that would  
25 be accurate.

1                   MR. MILLS: Okay. Is it fair to say  
2 that you provided them with a significant amount  
3 of information?

4                   MR. PENNER: I think we provided the  
5 information to the greenhouse gas experts, a  
6 sufficient amount of information for them to  
7 conduct the analysis.

8                   MR. MILLS: When we spoke with Shane  
9 Mailey, I believe he's your boss?

10                  MR. PENNER: Yes, he is.

11                  MR. MILLS: When we spoke to Shane on  
12 day one, he indicated that the decision as to  
13 whether or not helicopters would be used for  
14 lifting towers into place would follow with a  
15 construction tendering and pricing. Is that your  
16 understanding?

17                  MR. PENNER: Typically that's means  
18 and methods, and it will depend on schedule and  
19 what contractors propose in terms of whether they  
20 would want to use helicopters, or traditional more  
21 crane method of putting the towers up.

22                  MR. MILLS: Okay. In the substantial  
23 amount of information that you provided to the  
24 Pembina Institute with regards to greenhouse gas,  
25 in their conclusion we find no reference



1    whatsoever to the greenhouse gas contribution of  
2    helicopters used to lift towers. Did you provide  
3    them with a helicopter solution analysis?

4                   MR. PENNER: I believe that our staff  
5    have talked to our greenhouse gas experts around  
6    helicopter usage and typically how long  
7    helicopters need to be in the air to put towers  
8    up. So I would say, yes, they have had  
9    discussions.

10                   MR. MILLS: Thank you. We contacted  
11   Erickson Helicopters and we researched the genesis  
12   of that, of the BABA, the machine I think you  
13   referred to in some of your Youtube presentations  
14   on the use of copters on Bipole. We looked up the  
15   fuel burn on those helicopters and we extrapolated  
16   the hours that would seem to be required from the  
17   GHG analysis. And when we extend a copter's  
18   solution, the amount of greenhouse gas produced by  
19   just the helicopters appears to exceed the entire  
20   amount of greenhouse gas that your construction  
21   team's equipment information extended seems to  
22   contribute. So we have concerns about the  
23   contribution of your helicopter conclusion.

24                    Could I ask you to undertake to  
25   provide the Pembina Institute with what your

1 expectations of the helicopter solution in terms  
2 of flight hours would be?

3 MR. PENNER: I think that is a  
4 discussion at this point for the biophysical  
5 panel, when they can speak specifically to  
6 greenhouse gases. And we have provided our  
7 information on construction and the methodologies  
8 that we expect to use, and they can speak to that  
9 better. So I think before we head down the path  
10 of an undertaking, I think they need the  
11 opportunity to have that discussion.

12 MR. MILLS: Mr. Chairman, if the  
13 greenhouse gas panel advises us that they can't  
14 answer questions because they do not have the  
15 quantity of equipment hours from the construction  
16 team, can I have some latitude to come back to  
17 this?

18 MR. BEDFORD: I agree with Mr. Penner.  
19 I'm personally aware that they do have the  
20 information. So Mr. Penner's suggestion is the  
21 correct one. Let's be patient. We're calling a  
22 biophysical panel. We have said that one of the  
23 people who is in the back row will step forward,  
24 can be sworn in, and can address a variety of  
25 questions on greenhouse gases, including the

1 interesting concept of using helicopters to put  
2 steel towers in place.

3 MR. MILLS: That's great. Thank you.

4 THE CHAIRMAN: Okay. It's the Chair.  
5 So we'll leave it at that. You can pursue that  
6 questioning further with the greenhouse gas panel.  
7 And we will judge the results of that at the time.

8 MR. MILLS: Thank you, Mr. Bedford.

9 So to be clear, although burning of  
10 slash wasn't touched on anywhere in your  
11 presentation, Hydro will consider that as a  
12 possible means of biomass disposal.

13 MR. MATTHEWSON: Yes, as referenced in  
14 IR DPWO IR 005, that the clearing plan will  
15 determine use, how to use the biomass, disposal of  
16 it, and the clearing method for the biomass in  
17 both a practical and environmentally conscious  
18 manner.

19 The IR does further go onto talk about  
20 the life cycle assessment analysis that made a  
21 conservative assumption that all cleared biomass  
22 would be combusted in its analysis. So that was  
23 in the greenhouse gas life cycle assessment.

24 THE CHAIRMAN: This is the Chair.

25 Mr. Mills, we're at 12:30. Unless

1 you're going to finish in the next few minutes,  
2 then we'll call it time for lunch and reconvene.

3 MR. MILLS: I could finish in 10, if  
4 you'd like to.

5 THE CHAIRMAN: Ten minutes?

6 MR. MILLS: Yes.

7 THE CHAIRMAN: Then we'll do it.

8 MR. MILLS: Glenn, if you choose to  
9 burn the residue, will Manitoba Hydro consider  
10 itself bound by the Manitoba Residue Burning  
11 Program?

12 MR. MATTHEWSON: So Manitoba Hydro  
13 will follow any and all applicable laws with  
14 respect to the burning of residue. It is my  
15 understanding, although I'm of the legal opinion,  
16 that the Crop Residue Act does not apply to these  
17 activities.

18 MR. MILLS: The Crop Residue Act says:  
19 "Why is night-time burning illegal?  
20 Temperature changes after sunset limit  
21 smoke dispersion. At night smoke  
22 tends to linger close to the ground  
23 where it can cause health and safety  
24 concerns rather than mixing with clean  
25 air higher up in the atmosphere."

1                   Why would you not consider yourself  
2 bound to that clear environmental and public  
3 safety concern? I consistently hear Manitoba  
4 Hydro say that it all starts with safety.

5                   MS. MAYOR: I think Mr. Mills is  
6 asking for a legal conclusion as to the  
7 applicability of the statute. And Mr. Matthewson  
8 has put forward Manitoba Hydro's position, with  
9 which we agree. We're not going to get into a  
10 legal argument right now as to which portions of  
11 the Act apply and which ones don't to various  
12 different types of crops and land use.

13                   MR. MILLS: Well, let's talk about  
14 safety. I don't think that's a legal opinion. I  
15 received correspondence from Mr. Keil, sitting  
16 behind you, Glenn. Every e-mail I have ever read  
17 of his, it all starts with safety.

18                   The Province of Manitoba says that it  
19 is not safe to burn after sunset because smoke  
20 tends to linger close to the ground where it can  
21 cause health and safety concerns. Would Manitoba  
22 Hydro respect that concern and not burn at night,  
23 should you choose to burn?

24                   MR. PENNER: Certainly I think burning  
25 crop is different than burning the piles that

1 we're talking about. And we certainly take into  
2 consideration location of residences. And I think  
3 in Bipole III, there was a licence condition  
4 around location of residences and where burn piles  
5 were and where that took place. And where those  
6 situations were, we looked at other methods of  
7 disposal.

8                   The burn piles are substantial for  
9 trees. The trees are much bigger than a crop and  
10 cannot be extinguished over, like every evening  
11 and relit in the morning.

12                   MR. MILLS: We agree with that  
13 statement, and we're hoping we can direct you  
14 towards consuming the biomass and/or mulching it,  
15 as opposed to burning it and wasting it and  
16 causing the safety and health issues that that  
17 would do.

18                   Ideally, and where we're going with  
19 this, Glenn, is we'd like Manitoba Hydro to stop  
20 burning. We refer to the Muskrat Falls site that  
21 says burning of slash or debris will be  
22 prohibited. Debris releases stored carbon as CH<sub>4</sub>  
23 and releases n<sub>2</sub>o, both of which are the more  
24 powerful GHG's than CO<sub>2</sub>. We see the safety  
25 concerns of burning mulch and we ask you candidly,

1 why does Manitoba Hydro still in the 21st century  
2 burn their slash on the right-of-way clearing  
3 project? That's a rhetorical question and I'll  
4 keep moving.

5 We read information from EMF, GHG and  
6 Air, in which conclusions are reached, but we  
7 don't find any recommendations coming back to you  
8 from any of those three contributors. As an  
9 example, Stantec compares what you do to the 2010  
10 City of Winnipeg Transit bus fleet. But did they  
11 provide you with any recommendations as to how you  
12 could improve upon your air quality protocol, or  
13 how you could do a better job of managing air  
14 quality? We didn't find any, and we were  
15 wondering if they came to you at some other --

16 MR. PENNER: Can you just repeat the  
17 question, sorry?

18 MR. MILLS: Okay. The EMF, GHG and  
19 Air reports do not appear to contain any  
20 recommendations as to how a better job could be  
21 done. They all appear to draw conclusions, but  
22 they don't seem to provide your group with any  
23 advice or direction as to how to do a better job.  
24 Am I missing something? Did you receive any  
25 feedback from Pembina, Bailey, or Stantec, as to

1 how your protocol could be improved upon, or is it  
2 assumed that you're doing a great job now?

3 I'm going to be longer if you'd like  
4 to cut me off now. Your call.

5 MR. PENNER: I guess I'd like to add  
6 something to answer the question that was just  
7 asked. We are certainly not at the construction  
8 stage at this point. Manitoba Hydro looks for  
9 ways to utilize the clearing of the right-of-way  
10 for reasonable purposes for sure, in providing  
11 firewood for people, whether it's -- or biomass,  
12 if it's reasonable in terms of, if someone is  
13 interested in picking it up. We made those offers  
14 on Bipole III and lots of wood was utilized that  
15 way.

16 MR. MILLS: Yes, it was.

17 MR. PENNER: But at some point, it's  
18 just not feasible to get some of this material  
19 away from the right-of-way where it is. And we  
20 still need to be able to dispose of this  
21 right-of-way.

22 So on Bipole III, we did a fair amount  
23 of mulching, we do expect to do mulching on this  
24 project as well. It's just that I don't think  
25 that mulching always gets everything. And so



1 there needs to be a variety of tools in our tool  
2 box to get this work completed. But certainly if  
3 we have, if there's an opportunity to utilize the  
4 material in some way, we certainly will look at  
5 that.

6 THE CHAIRMAN: Okay. We're going to  
7 leave it there and we will reconvene at 1:30.  
8 Thank you.

9 ( RECESSED AT 12:39 P.M. to 1:30 P.M.)

10 THE CHAIRMAN: So this is the Chair,  
11 and we will start in one minute.  
12 Okay, welcome back, everyone. And we will resume  
13 the questioning from Mr. Mills.

14 MR. MILLS: Thank you, Mr. Chairman.

15 Glenn, did you have any success with  
16 the question as to the possible line loss?

17 MR. PENNER: They are still working on  
18 it.

19 MR. MILLS: Okay. Thank you. I  
20 guess, to -- we are close to the end, and I thank  
21 you for your patience.

22 When confronted with comparisons or  
23 analogies that we can't understand, it causes us  
24 to ask questions. As an example, the executive  
25 summary of the Bipole III greenhouse gas

1 assessment, which as well indicated that it took  
2 the anticipated materials and construction  
3 technique that your team gave to the Pembina  
4 institute, multiplied it by universally  
5 agreed-upon values, and it arrived at a greenhouse  
6 gas life cycle assessment. And the identical  
7 process we understand, now takes place for  
8 Manitoba-Minnesota transmission.

9           We are simple guys. We are not  
10 foresters; we are not scientists. But we look at  
11 the Bipole III route, and the complex and the  
12 difficulty of construction, and we look at the  
13 Manitoba-Minnesota route, and we say we think the  
14 greenhouse gas will be less on the  
15 Manitoba-Minnesota.

16           But that isn't the information that we  
17 have been provided. My simple division tells me  
18 that the Bipole greenhouse gas life cycle analysis  
19 said that there would be 543 tonnes per kilometre  
20 created, and when we carry that identical  
21 per-kilometre calculation to Manitoba-Minnesota,  
22 we appear to get a number that's 43 per cent  
23 higher.

24           So we ask -- we wonder about that. We  
25 say we've got Bipole, which is heavy lifting,

1 remote work, tough forest, a lot of Cat time; and  
2 we look at Manitoba-Minnesota where, arguably --  
3 well, where a substantial amount of the project  
4 requires very little construction input, and the  
5 greenhouse gas number we get appears to us to be  
6 43 per cent higher on the project that seems to  
7 us should -- the number should almost have gone  
8 the other direction.

9           So we wonder, and we are trying to  
10 understand, with the questions that we ask you,  
11 how such a delta could occur. And it seems to  
12 us -- and I'll leave you with this, because we  
13 will be asking this of the greenhouse gas panel;  
14 but it seems to us that if the value that we  
15 multiply all of the quantities that you provide  
16 remains unchanged, then the only reason for such  
17 an anomaly in the numbers can be the quantities  
18 that your team provided.

19           Are you with me?

20           Land use change and construction  
21 materials, by and large, in both reports apply  
22 for, by and large, similar, almost identical  
23 values. Yet this project is creating on a per  
24 capita --- pardon me, on a per-kilometre basis --  
25 43 per cent more greenhouse gas.

1                   Now, I don't know that greenhouse gas  
2   has an economy of scale. I think, and we are  
3   wondering, are the units of construction material  
4   that you provided to the greenhouse gas formula  
5   possibly more accurate, or less accurate, or I  
6   just throw it out?

7                   Does your team -- can your team help  
8   me with any sense as to why MMTP is showing  
9   43 per cent more greenhouse gas per kilometre of  
10  AV transmission construction than it is per  
11  kilometre of DV transmission construction, and --  
12  when the complexity of the problem seems to be in  
13  fact reversed?

14                  Am I missing something?

15                  MR. PENNER: I'm not quite sure where  
16  to go with your calculations, other than to direct  
17  you to the biophysical panel to talk about the  
18  greenhouse gases that have been calculated. I  
19  don't know the premise that you are starting with  
20  in your calculations and the math that you talk  
21  about, whether there is -- the premises that you  
22  have in your calculations, because they are your  
23  calculations, I can't comment on that. I think  
24  the best thing will be is when the biophysical  
25  panel comes, we can talk about -- or they can talk

1 to you about how they calculated the life cycle  
2 greenhouse gases.

3 It is pretty straightforward, the  
4 kinds of information that we provide, as far as  
5 the construction methodology. So...

6 THE CHAIRMAN: Mr. Mills, it is Serge  
7 Scrafield, the Chair. I think we agreed before  
8 the break that this line of questioning will  
9 continue with the biophysical panel.

10 MR. MILLS: Yes.

11 THE CHAIRMAN: And we will make a  
12 judgment at that time if it has been adequately  
13 addressed or not.

14 MR. MILLS: Thank you, Mr. Chairman.

15 I'm getting close to the end. I would  
16 like to -- I'm told it is adaptive management; my  
17 mom told me it is learning from your mistakes.  
18 But I would like to talk about some of the  
19 conditions contained within the Bipole III project  
20 transmission project licence, and I would like to  
21 talk to you about whether your team, now that  
22 you've had to work under these conditions, feels  
23 that they serve the purpose, did the job, and I'd  
24 like to suggest that maybe we can improve upon  
25 some of those conditions.

1                   We all remember game hunting area 19A,  
2   and there was the infamous eight kilometres; I'm  
3   referring to Condition 49 in the Bipole permit  
4   licence number 3055. And the Minister required  
5   that you clear only tower location danger trees  
6   and trees in excess of 17 metres in height within  
7   the transmission right-of-way along those eight  
8   kilometres.

9                   Is that in fact what took place? And  
10   if it was modified or adjusted, that isn't my  
11   point, Glenn. My point is, did that condition  
12   cause Manitoba Hydro construction any undue cost  
13   or difficulty? And where that question is taking  
14   us is, is that a condition that could be more  
15   readily applied to this work?

16                  MR. PENNER: So yes, we are familiar  
17   with game hunting area 19A, and certainly we  
18   worked together with the Manitoba government to  
19   make sure that we followed that condition  
20   number 49.

21                  I think the question was, was there  
22   additional implications as a result of it; and  
23   certainly clearing, I think it was -- yeah, so  
24   trees in excess of 17 metres. So it was  
25   significantly more expensive to do.

1           There was reasons for it, in terms of  
2 the moose population in the area. And so, from a  
3 perspective of construction, it was more money;  
4 and towers, certainly it would be more money. It  
5 will be more difficult to maintain in -- going  
6 forward.

7           So, certainly that area was more  
8 costly than going the traditional approach. Is  
9 that what you were asking?

10           MR. MILLS: Yes, thank you.

11           In brief summary, the Bipole licence  
12 had three -- by my count, three clauses which  
13 affected or reduced the severity of the  
14 right-of-way clearing. And my client, and in our  
15 discussions, we believe that there is a lot yet  
16 that can be done to reduce the scar on Mother  
17 Earth.

18           Clause 16 of the Bipole licence  
19 indicated that you were to use terrain features  
20 and vegetation composition to limit access to and  
21 line of sight along the development right-of-way.  
22 Did implementing that clause or condition prove  
23 problematic or costly to Manitoba Hydro? Or is  
24 that something that could comfortably be carried  
25 forward to the MMT right-of-way clearing

1 conditions?

2 I could move on.

3 MR. PENNER: No, we want to provide  
4 you with a good answer, and so I think it is  
5 important that we ensure that we are giving you  
6 that.

7 MR. MILLS: Thank you.

8 MR. PENNER: Certainly there are  
9 costs, additional costs to construction for that  
10 licence condition as well. And -- you know, we  
11 strive to find ways to meet or to find ways that  
12 lessen the impact, and these are mitigation  
13 measures. Certainly leaving understory, and some  
14 of the approaches that we've already included in  
15 the EIS, are valuable to maintaining a  
16 right-of-way that's sustainable.

17 MR. MILLS: Maybe, to save some time,  
18 Article 16 of Bipole says you shall use terrain  
19 features and vegetation to limit access to line of  
20 sight. Further on, under Article 36, Hydro was  
21 obliged to manage vegetation along the  
22 transmission right-of-way in coniferous-dominated  
23 forest to retain the coniferous character, another  
24 apparent softening of the right-of-way.

25 Further on, under clause 49, was the



1 infamous 17-metre-high trees in game hunting  
2 area 19A, and also Article 50, Manitoba Hydro was  
3 instructed to leave wildlife trees where possible  
4 throughout the development right-of-way where they  
5 do not pose a hazard.

6 I assume, of course, that all of the  
7 conditions of the licence are met by Hydro, and  
8 I'm asking you -- now that the right-of-way  
9 clearing is done, I understand -- was the  
10 implementation of any of those conditions  
11 difficult or unreasonably expensive? Or would it  
12 be fair for us to ask that in the very least,  
13 those conditions be carried forward into a  
14 Manitoba-Minnesota Transmission Project  
15 right-of-way scope?

16 MR. MATTHEWSON: I think those  
17 conditions encompassed a lot of discussions with  
18 environmental engineering and construction staff  
19 to implement those conditions, and to ensure our  
20 compliancy with the licence.

21 The conditions -- 49, which talks  
22 about 17 metres in height, that was very specific  
23 to the moose protecting some inaccessible areas of  
24 moose population. I think Manitoba Hydro, from  
25 these licence conditions, has learned a lot, and

1 those learnings are what we've applied in our  
2 environmental assessment, in our environmental  
3 protection plans on this project.

4           For example, the golden-winged warbler  
5 management plan was a direct response to  
6 developing mitigation measures that maintain the  
7 habitat for gold-winged warblers in the critical  
8 habitat areas. So it is a very good example of a  
9 condition like 49 being implemented already,  
10 proactively, by Manitoba Hydro in its design stage  
11 of its projects.

12           So those are the types of things that  
13 are -- we've incorporated going throughout the  
14 assessment and development of the construction  
15 environmental protection plan and the monitoring  
16 plans ahead of the -- or when we filed those with  
17 the EIS, we spent a lot of time into these licence  
18 conditions.

19           Leaving of wildlife trees, with a  
20 broad statement throughout the development where  
21 they don't pose a hazard, I think there are very  
22 key areas where wildlife trees can be identified,  
23 and maybe a lot more effective than a broad  
24 statement that -- say, apply them all the way  
25 along the right-of-way.

1 I think, having good discussions with  
2 Manitoba Conservation -- sorry, Manitoba  
3 Sustainable Development, and the biologists in the  
4 area, I think a more prescriptive implementation  
5 of such a measure could be accomplished, and have  
6 a lot more effective means, for perhaps a lower  
7 cost.

8 MR. MILLS: It is unfortunate to the  
9 schedule that we broke for lunch; I was reminded  
10 of another question.

11 THE CHAIRMAN: Mr. Mills, this is the  
12 Chair, Serge Scrafield.

13 I think we are up to about 50 minutes  
14 in total now, the before-lunch part and the  
15 after-lunch part, and I think you had estimated,  
16 if I understood the secretary correctly, around  
17 45 minutes. So could we conclude this in the next  
18 five minutes?

19 MR. MILLS: I'll try, Mr. Chairman.

20 THE CHAIRMAN: Yes?

21 MR. BLACKSMITH: I will require about  
22 five minutes.

23 THE CHAIRMAN: That's fine.

24 Plus five, Mr. Mills, and then five  
25 more. Thanks.

1 MR. MILLS: Okay.

2 One of the issues that came to us was  
3 the reporting on the work. I'm not sure there are  
4 many in Manitoba, but there are quite a few of us  
5 who do follow the registry and do follow the  
6 communication that takes place.

7 One of the conditions of Bipole was  
8 that upon completion, Manitoba Hydro -- upon  
9 completion of construction, Manitoba Hydro would  
10 undertake a third-party environmental audit to  
11 assess whether commitments they provided in the  
12 EIS and supporting information were met, and to  
13 assess the accuracy of that. We of course don't  
14 expect that report to be available yet, because  
15 Bipole III is not complete.

16 Regrettably, that condition concluded  
17 by saying reports on the audits shall be submitted  
18 to the Director. We don't get answers to  
19 questions with regards to that to the Director or  
20 the Minister, but we ask Manitoba Hydro, would  
21 Hydro have any concern or difficulty in, in fact,  
22 releasing the project completion audit to the  
23 public?

24 It's a post-construction audit,  
25 designed to undertake a third-party assessment of

1 whether your construction process has met the  
2 commitments that were provided in the EIS. You  
3 are obliged to produce it to the Director. Would  
4 it be a problem if that clause was changed  
5 slightly, to say that reports on the audits shall  
6 be made available to the public and submitted to  
7 the Director?

8 MR. MATTHEWSON: Sorry, are you  
9 referring to changing the Bipole III licence  
10 conditions to say that?

11 MR. MILLS: No, I am asking you if  
12 clause 63 of the Bipole III was applied to the  
13 Manitoba-Minnesota Transmission Project -- in  
14 other words, if this board recommended, again, a  
15 third-party upon-completion audit, would you mind  
16 if that condition, this time, indicated that that  
17 report was to be made available to the public as  
18 well as the Director?

19 MR. MATTHEWSON: Manitoba Hydro will  
20 abide by any and all licence conditions on the  
21 environmental impact licence for MMTP.

22 MR. MILLS: That's great; thank you.

23 Just one minute, Mr. Chairman, to  
24 speed-read and see if I've missed anything.

25 One last point that I missed, Glenn,

1 coming back to the greenhouse gas LCA, we don't  
2 trust it. And that's been apparent in my  
3 questions. Other jurisdictions, particularly the  
4 one you are connecting to, embeds language in  
5 their permit that the GHG consumed over the  
6 project is to be monitored on a monthly basis, and  
7 if it is found that the greenhouse gas your  
8 construction process is contributing is greater  
9 than the LCA that you based your presentation on,  
10 that -- at checkpoints, that if your GHG  
11 projections aren't being met, that you would make  
12 every effort to mitigate or review your  
13 construction technique to see if there was  
14 technique that could be altered or revised to get  
15 you back to your projections.

16 We are suspicious of the GHG. We  
17 don't even know, at the end of this, if we will be  
18 told if you met it. And what we would like is for  
19 you to track it, and be aware of it. And if you  
20 find you're going over your commitments, would you  
21 be prepared to consider mitigation and what you  
22 could do to get yourself back onto your GHG  
23 commitment?

24 MR. PENNER: So your question is,  
25 would we track our GHGs?

1 MR. MILLS: Yes. Would you track all  
2 of your fuel consumptions, as an example, compare  
3 them against the projections you've provided us  
4 with now, and if you find you are in the ditch, do  
5 what you needed to do to try and get back to the  
6 commitments you've made?

7 And I remind all of us that within the  
8 Environment Act 12.0.2, the Minister must consider  
9 the greenhouse gas that this project produces, and  
10 I would expect that assumes that she must consider  
11 accurate numbers.

12 MR. PENNER: I think it is probably  
13 best left with the greenhouse gas panel. It  
14 certainly would be an arduous task to try to  
15 follow every truck and try to monitor every  
16 vehicle utilized on the construction methods.

17 You know, certainly construction  
18 methods have not changed since Bipole III, in the  
19 last couple of years; they should have a fairly  
20 reasonable understanding of the fuel consumed, and  
21 have, I think, a fairly accurate analysis.

22 I'm just -- now, again, a lay person,  
23 just like you, on that greenhouse gas; but I think  
24 the questions are best posed to them in terms of  
25 how they've come to their numbers.

1                   If you have concerns about the  
2 accuracy of their numbers, you can question them  
3 on that. I think that's a fair statement.

4                   MR. MILLS: We will.

5                   THE CHAIRMAN: This is Serge  
6 Scrafield, the Chair.

7                   I think we will defer, Mr. Mills, that  
8 question, as we had agreed earlier, to the  
9 greenhouse gas panel.

10                  And I would like now to turn -- I  
11 believe you had another five-minute question?

12                  MR. MILLS: I am finished. Thank you.

13                  MR. BLACKSMITH: Thank you, Chairman,  
14 panel.

15                  Safety is a concern to everybody, not  
16 just Dakota Plains.

17                  Stated in the opening statements,  
18 opening remarks, that Dakota Plains is on the  
19 outside looking in. And I see references to Crown  
20 lands, references to First Nations and the Metis,  
21 to landowners and stakeholders and to the Crown  
22 itself, the Province.

23                  In our submission, we will be making  
24 reference to what I'm going to be asking for here.  
25 But in the agreements between First Nations and



1 Canada, they make reference to white, half-breeds,  
2 and Indians.

3 English language is very peculiar, in  
4 that it is very specific in certain items. And my  
5 Chief, or my leader, Orville Smoke, has asked this  
6 of the Canadian justice system, and we would like  
7 a definition of this "Indian" that you refer to.

8 The agreements are all predicated on a  
9 notion that this "Indian" is a ward of the  
10 government. The Indian Act was passed in 1876,  
11 April 12, 1876, unilaterally, by the government,  
12 commissioned by the British North America Act.  
13 And this "Indian," being a ward of the government,  
14 is not legally capable of entering into agreements  
15 of any kind.

16 The latest treaty that was entered  
17 into was in June of 1920. And these treaties all  
18 have X's as signatures. That was less than  
19 100 years ago.

20 There is two questions; whether or not  
21 it wants to be done as an undertaking, I don't  
22 imagine that anyone is going to answer them right  
23 now, but we would like the legal definition of  
24 this "Indian."

25 We would also like to know how -- if

1 an Indian is a ward of the government, the Indian  
2 Act being a trust, a legal trust, why is it then  
3 that the government deals with or makes  
4 agreements, legal agreements, with Indians, which  
5 are the beneficiaries of this trust?

6 Those two questions we would need  
7 answered for our submission to the Manitoba Hydro  
8 proceedings. Our submission is -- or our  
9 presentation will be on the 23rd.

10 Thank you.

11 THE CHAIRMAN: Thank you.

12 I wonder if you could just give us a  
13 minute here. Thanks.

14 (DISCUSSION OFF THE RECORD)

15 THE CHAIRMAN: Thank you very much for  
16 that question.

17 Obviously the question is very central  
18 to the whole -- all the issues around rights, and  
19 very important. However, it does go beyond the  
20 scope of our review here. We've got terms of  
21 reference from the Minister that limit our  
22 analysis to the impacts on, really, all people,  
23 including First Nations and the Metis, the impact  
24 of the environmental implications of the project  
25 on all peoples and their communities. So it

1 doesn't go further than that.

2           The only other thing I wanted to  
3 mention is the issues you refer to were the  
4 creation of the Federal Government, which again,  
5 of course, we would have no responsibility nor any  
6 mandate to review.

7           I want to be very careful in saying  
8 all this, because those obviously are very  
9 legitimate, very real and very important  
10 questions. It is just -- we can't address them  
11 here. Nor, of course, being a creature of the  
12 Provincial Government, can Manitoba Hydro.

13           So that would be my response to the  
14 question.

15           MR. BLACKSMITH: Thank you for that.

16           The reason why I bring these questions  
17 to the table is Manitoba Hydro is not a business  
18 that is -- you know, a run-of-the-mill business;  
19 it is a Crown corporation. It is acting as an  
20 agent of the Crown.

21           And going back to our -- you know, our  
22 position from Dakota Plains; we were never  
23 afforded the same consideration as the  
24 stakeholders, as the First Nations and as the  
25 Metis. They were all afforded 160 acres per

1 family of five. And our people were basically  
2 referred to as refugees, and we were run out of  
3 town. Moved to a remote location. Our economic  
4 independence, our economic sovereignty was taken  
5 away from us.

6 And in this, the year 2017, these  
7 questions need to be addressed by the Manitoba  
8 Hydro Act, being an agent of the Crown.

9 Now there are -- I asked --  
10 previously, I'd asked for the agreement between  
11 Manitoba and Minnesota, and I was given an  
12 agreement which was a basic agreement, but it  
13 didn't have any of the financial transfers between  
14 the two. And Manitoba Hydro has also entered into  
15 agreements with the -- again, the landowners, the  
16 Province, the First Nations, and the Manitoba  
17 Metis Federation. And Dakota Plains, to have any  
18 kind of economic independence or economic  
19 sovereignty, are looking into entering into some  
20 form of agreement.

21 And this question of this word  
22 "Indian" is going to be very prevalent in there,  
23 because we keep getting called Indians, and we  
24 want to know what this "Indian" is. What is this  
25 legal definition of this "Indian"?

1                   And if we are going to be referred to  
2 as Indians, or dealt with as Indians, then we need  
3 to know what that is. Because we don't want to be  
4 included in that definition; we want to be treated  
5 like people, like regular human beings, and that's  
6 where this question comes from.

7                   So Manitoba Hydro, acting as an agent  
8 of the Crown, has to be responsible for its  
9 actions on behalf of Her Majesty.

10                  THE CHAIRMAN: In response, again,  
11 those observations are very critical; they are  
12 very critical, obviously, to everything that we  
13 do, and the relationship between the communities  
14 in this country and in this province.

15                  However, our mandate -- and I should  
16 mention, by the way, that our mandate from the  
17 Minister does not use the term "Indian"; it uses  
18 the terms First Nation, Metis, and I believe an  
19 additional phrase, which says "other Aboriginal  
20 communities."

21                  And what the Minister asks us not to  
22 do is to address the question of rights and some  
23 of these bigger-picture issues. There is a  
24 process -- as part of this project, actually --  
25 where the Province says they are bound to do by

1 the Constitution is consulting with -- my  
2 understanding, because we are not involved in  
3 it -- but is consulting with a number of  
4 communities.

5 And so that process is ongoing, and  
6 we've been asked not to delve into those issues;  
7 leave it to that process.

8 So, I guess in both ways I would  
9 answer it that it is not part of our terms of  
10 reference. Not that it is not important;  
11 obviously it is important. But it is just not  
12 part of our analysis here, and what we've been  
13 asked to do.

14 And there is another process that is  
15 considering at least the rights portion of what  
16 you are mentioning, so...

17 MR. BLACKSMITH: Then we would like  
18 the consultation record between Manitoba Hydro and  
19 Dakota Plains, the stakeholders, First Nations and  
20 the Manitoba Metis Federation.

21 THE CHAIRMAN: You mean in addition  
22 to -- there is a fair bit of background in the  
23 report, and I will let Hydro speak to that. But  
24 in the submissions that are before us, there is a  
25 fair bit of background as to those discussions.

1 I assume you are asking for something  
2 beyond that? Is that right?

3 MR. BLACKSMITH: This was in reference  
4 to your comment that there was a consultation  
5 process that you were referred to, and I would  
6 like a copy of that record.

7 THE CHAIRMAN: Okay. And maybe I will  
8 ask the secretary afterwards to -- or during the  
9 next break, to provide you with the -- I will ask  
10 her to provide to you the information as to who  
11 you can contact to obtain that.

12 That is not something we have at all;  
13 in fact we have been specifically asked by the  
14 Minister not to be part of that process. But  
15 there is a process, and we can certainly provide  
16 you the information if you are not aware of it.

17 MR. BLACKSMITH: Again, my  
18 understanding is that this is a review in regards  
19 to a licensing process.

20 THE CHAIRMAN: Yes, it is.

21 MR. BLACKSMITH: As Dakota people,  
22 Dakota Plains, we've never been afforded that  
23 right to have our people recognized as the --  
24 whether or not legal title or legal landowners,  
25 and I make reference to Crown, Crown land.

1                   And I'm not about to get into our  
2 presentation, but the Royal Proclamation of 1763,  
3 King George III basically gave himself title to  
4 all the land in North America, which predicated  
5 the war with the 13 Colonies in the United States.

6                   And again, you are using the term  
7 "Crown land" here. Now, where -- when did the  
8 Dakota people agree to any of this? This is the  
9 underlying concern that we have. It's never been  
10 addressed. And from -- you know, respectful of  
11 the Chair and the panel, but we still need these  
12 issues addressed.

13                   If there is a licence to be -- that is  
14 being -- seeking approval, then the Dakota people  
15 have to be included in this. And the reference to  
16 "Indian" is -- if we are Indians, or we are going  
17 to be referred to as Indians -- and again, you  
18 make mention that you're not using that exact  
19 word, you're using First Nation, Aboriginal, or  
20 indigenous -- the Indian Act is still called the  
21 Indian Act, and all of the First Nation  
22 communities are included under that, and that's  
23 where this is coming from.

24                   If there is going to be a licence  
25 that's going to be approved, well, then, the



1 Dakota people, Dakota Plains in particular, have  
2 to be addressed in one form or another.

3 THE CHAIRMAN: Yes, and I would say  
4 there is two forums for the Dakota people to be  
5 involved. One is this process, and that's limited  
6 by our terms of reference to the impacts of the  
7 project on the environment, and through the  
8 environment on the community activities. So  
9 that's this process. And then there is a second  
10 process of consultation related to the rights of  
11 those communities.

12 And so you have both opportunities to  
13 address the projects. But this one is related  
14 specifically to the direct environmental impacts  
15 of the project.

16 MR. BLACKSMITH: I want to close off  
17 with -- three weeks ago, we were invited to  
18 Manitoba Hydro office here in Winnipeg, along with  
19 some of the other proponents and different First  
20 Nations. And this was called a -- would somebody  
21 on management staff help me out? What was that  
22 meeting called?

23 MR. MATTHEWSON: It was an indigenous  
24 community monitoring working group meeting.

25 MR. BLACKSMITH: Right. Thank you.

1                   And at this meeting -- it was very  
2 informal. Full pieces of paper were being ripped  
3 in half and given to the people around the table  
4 and asked to jot down their concerns. And all of  
5 our names were taken, and they were gathered, and  
6 there was an indication that they were going to  
7 be -- there was going to be an address to the  
8 higher-ups within the company, the organization.  
9 And we've never heard back from that.

10                   Now I sit here and I look at the  
11 proceedings here, and everything is prim and  
12 proper, and there is minutes taken. And this is  
13 what I'm alluding to with this word "Indian." We  
14 are not treated like people. And this has to be  
15 addressed, and it has to be addressed by Manitoba  
16 Hydro. And whether the -- if the Minister has  
17 given direction to this panel, then we need to  
18 make -- we need to see that. Whether it is letter  
19 form, or however it was delivered, we need to see  
20 that.

21                   It just can't -- this will not  
22 continue. Our Dakota people are -- you know, we  
23 are suffering with the rest of the First Nation  
24 people in Canada.

25                   THE CHAIRMAN: We can certainly make

1 available to you the terms of reference. They are  
2 publicly available online as well, but we will  
3 make sure to get you a copy.

4 Okay. Well, thank you for those  
5 remarks.

6 All right. That brings us to the  
7 Consumers' Association of Canada.

8 MS. PASTORA SALA: Good afternoon,  
9 members of the panel. Good afternoon, members of  
10 the construction operations and property panel as  
11 well.

12 This afternoon I will be referring  
13 primarily to CAC IRs. I've already provided a  
14 list of the information requests that I will be  
15 referring to to the panel. I might be referring  
16 to some sections of the EIS, but we will see how  
17 it goes.

18 My questions today will be primarily  
19 for Mr. Alec Stuart. So good afternoon,  
20 Mr. Stuart.

21 MR. STUART: Good afternoon.

22 MS. PASTORA SALA: And before -- I  
23 should say, Mr. Matthewson, I hope that you don't  
24 feel like I'm ignoring you; I'm not. You've been  
25 on a few panels, and I've explicitly ignored you,

1 but I'm sure we will have an opportunity for  
2 further conversation on Thursday.

3 MR. MATTHEWSON: I hope you don't mind  
4 if I do respond to some of your questions.

5 MS. PASTORA SALA: Okay. I guess I  
6 don't mind.

7 So, Mr. Stuart, you are the manager of  
8 Corporate Environment Department, the Corporate  
9 Environment Department of Manitoba Hydro, since  
10 2013. Correct?

11 MR. STUART: Yes, although it is now  
12 Property and Corporate Environment.

13 MS. PASTORA SALA: Okay. And you were  
14 previously, from 2010 to 2013, an environmental  
15 specialist in that department?

16 MR. STUART: That's correct.

17 MS. PASTORA SALA: And prior to that  
18 position, you were a sustainability and standards  
19 specialist in the Marketing Program Department at  
20 Hydro?

21 MR. STUART: Yes.

22 MS. PASTORA SALA: And you are the  
23 Manitoba Hydro representative identified on the  
24 2015 Riel audit for the implementation of the  
25 ISO 14001?

1 MR. STUART: ISO 14001, sorry? Yes.

2 MS. PASTORA SALA: And given the  
3 positions that you've held at Manitoba Hydro over  
4 approximately the last seven years, would it be  
5 fair to assume that you are generally familiar  
6 with the main themes identified in the literature  
7 on environmental management systems?

8 MR. STUART: Generally, yes, that  
9 would be correct.

10 MS. PASTORA SALA: And in defining the  
11 term "environmental management system" in plain  
12 language, would it be fair to describe an EMS, or  
13 environmental management system, as sort of like a  
14 handbook, or instruction manual of sorts, which  
15 identifies a corporation's goals and actions for  
16 managing environmental impacts?

17 MR. STUART: I would characterize it  
18 more as environmental risk, of which environmental  
19 impacts is one aspect of it. But otherwise, yes,  
20 that is correct.

21 MS. PASTORA SALA: Okay, thank you.

22 And you would agree that transparency  
23 and accountability are important features of  
24 environmental assessment?

25 MR. STUART: Environmental assessment

1 is not my area of specialty, to be perfectly  
2 honest with you. With regards to environmental  
3 management systems, the needs and views of  
4 interested parties are considered extremely  
5 important.

6 MS. PASTORA SALA: Would you agree  
7 that transparency and accountability are important  
8 features of environmental management systems?

9 MR. STUART: I would say, generally,  
10 yes.

11 MS. PASTORA SALA: And would you agree  
12 that transparent and accountable environmental  
13 management systems foster better relationships  
14 with stakeholders and policy communities?

15 MR. STUART: I would say that an  
16 environmental management system is one way of  
17 achieving that goal. There are certainly many,  
18 many others, and I wouldn't want to restrict it  
19 solely to an EMS.

20 MS. PASTORA SALA: That's fair.

21 Would you agree that one way of  
22 fostering healthy, transparent relationships is  
23 sharing knowledge and information with  
24 stakeholders and policy communities?

25 MR. STUART: Yes, I would.

1 MS. PASTORA SALA: And environmental  
2 management systems can be used as a tool for  
3 achieving transparency and accountability within  
4 corporations; correct?

5 MR. STUART: I wouldn't say that's  
6 their primary goal, but it certainly is one  
7 outcome that does emerge from environmental  
8 management systems, yes.

9 MS. PASTORA SALA: In the EIS, at  
10 page 22-2, Manitoba Hydro states that its  
11 environmental management system, or EMS -- and I  
12 quote:

13 "Articulates the organizational  
14 structure, responsibilities,  
15 practices, processes, and resources at  
16 all levels of the Corporation."

17 Do you see that?

18 MR. STUART: Yes, although I believe  
19 it says it includes, among other items,  
20 organizational structure, activities, et cetera.

21 MS. PASTORA SALA: Okay, yes, that's  
22 fair. Thank you.

23 And Manitoba Hydro has chosen to have  
24 an EMS certified by the International Organization  
25 for Standardization, or ISO, 14001?

1 MR. STUART: We follow the ISO 14001  
2 system for environmental management systems, and  
3 we've chosen to have our environmental management  
4 system externally registered by outside auditors,  
5 yes.

6 MS. PASTORA SALA: So to reiterate,  
7 Manitoba Hydro has committed that it will meet the  
8 specifications outlined in ISO 14001, as well as  
9 the regulatory system and any other voluntary  
10 initiative to which Manitoba Hydro has enrolled?

11 MR. STUART: I'm sorry, could you  
12 repeat the question again? Sorry.

13 MS. PASTORA SALA: Of course. I will  
14 go slower.

15 Manitoba Hydro has committed that it  
16 will meet the specifications as outlined in  
17 ISO 14001, as well as the regulatory system and  
18 any other voluntary initiatives to which Manitoba  
19 Hydro has enrolled?

20 MR. STUART: I would say yes, that is  
21 correct.

22 MS. PASTORA SALA: And ISO 14001 is  
23 often used in the industry to demonstrate  
24 environmental stewardship?

25 MR. STUART: I wouldn't personally



1 characterize it as that. ISO 14001 demonstrates  
2 that the organization has a process for  
3 identifying and managing environmental risk that  
4 meets international standards, of which  
5 environmental stewardship could be considered one  
6 component. But it's a much more holistic system  
7 in many ways.

8 MS. PASTORA SALA: Would you agree it  
9 is often used by industry to demonstrate  
10 environmental stewardship?

11 MR. STUART: I would say there are  
12 certainly -- there are corporations or  
13 organizations that do use it as such. As I said,  
14 as I indicated earlier, I prefer to think it of as  
15 a more holistic system in many ways.

16 MS. PASTORA SALA: Okay. And we will  
17 come back to that.

18 In CAC IR 022, Manitoba Hydro  
19 indicates that its commitment to improve its  
20 environmental performance is demonstrated through  
21 the company's EMS, which is ISO certified. Is  
22 that correct?

23 MR. STUART: Sorry, could I ask you to  
24 repeat that? I just don't see the line in the  
25 question here.

1 MS. PASTORA SALA: I will read you the  
2 exact quote; maybe that would help. I summarized  
3 it, but the exact quote that I'm referring to is  
4 where it says:

5 "Manitoba Hydro is committed to  
6 protect and preserve natural  
7 environments and heritage resources  
8 affected by its projects and  
9 facilities. This commitment, and a  
10 commitment to continually improve  
11 environmental performance, is  
12 demonstrated through the Company's  
13 environmental management system, which  
14 is ISO certified."

15 So then I took that and summarized it  
16 as Manitoba Hydro indicates a commitment to  
17 improvement environmental performance -- sorry,  
18 Manitoba Hydro's commitment to improve  
19 environmental performance is demonstrated through  
20 the company's EMS, which is ISO certified.

21 MS. MAYOR: Can you give the number of  
22 the IR again? They are having difficulty finding  
23 the quote.

24 MR. STUART: While we are looking for  
25 the IR itself, one thing I do want to touch on in

1 your comment was the point about improvement.

2 One of the key elements of the ISO  
3 standard, and indeed of an environmental  
4 management system in general, is a commitment to  
5 continual improvement. And certainly that's  
6 something that Manitoba Hydro is committed to.

7 With regards to our environmental  
8 management system, it is a matter of never being  
9 satisfied, of always looking for opportunities to  
10 improve and to get better.

11 With that said, I think that that  
12 would be accurate.

13 We are still trying to find the exact  
14 quote here, so -- my apologies.

15 MS. PASTORA SALA: We will come back  
16 to that, because I don't think that it is crucial  
17 in order to move on.

18 Is it accurate to say that the  
19 implementation of any EMS is key? The way it is  
20 implemented?

21 MR. STUART: Key to what, exactly?

22 MS. PASTORA SALA: Its success.

23 MR. STUART: I would say that's  
24 accurate, yes.

25 MS. PASTORA SALA: And would you agree

1 that a comprehensive understanding of EMS and  
2 ISO 14001 is required for proper implementation?

3 MR. STUART: I wouldn't say that's  
4 necessarily the case across, for example, the  
5 entire organization. But certainly there needs to  
6 be individuals who do have that level of  
7 understanding and comprehension, yes.

8 MS. PASTORA SALA: You've almost  
9 anticipated my next question, Mr. Stuart: Are you  
10 familiar with the term "organizational learning"?  
11 Which I define to mean a process by which  
12 knowledge is transferred from the individual level  
13 to the organizational level, and it involves  
14 utilizing knowledge from external and internal  
15 sources, and communicating and disseminating  
16 knowledge, as well as learning from past and  
17 present practices.

18 MR. STUART: Yes, I am familiar with  
19 that.

20 MS. PASTORA SALA: Would you agree  
21 that organizational learning is an important -- is  
22 important for the implementation of an  
23 environmental management system?

24 MR. STUART: I would say it is an  
25 important component of it. Again, it is not

1 really the only one, but it is an important  
2 component of a successful EMS.

3 MS. PASTORA SALA: And does Manitoba  
4 Hydro have an organizational learning policy?

5 MR. STUART: Not that I'm aware of,  
6 no.

7 MS. PASTORA SALA: Does Manitoba Hydro  
8 plan to create and implement an organizational  
9 learning policy?

10 MR. STUART: I don't believe it's  
11 being considered, but I honestly don't know for  
12 sure.

13 MS. PASTORA SALA: And I understand  
14 that organizational memory is also very important.  
15 How is Manitoba Hydro ensuring that lessons  
16 learned are transferred to its organizational  
17 memory? And if possible, please cite specific  
18 examples.

19 MR. STUART: So, I'll answer your  
20 question more in the context of the EMS, which I'm  
21 more familiar with.

22 I would say that we have a number of  
23 different mechanisms for doing exactly what you  
24 describe, for transferring that corporate  
25 knowledge through our environmental management

1 system.

2 One example is we carry out regular  
3 environmental audits, and obviously that documents  
4 best practices; that documents lessons learned;  
5 items like that.

6 As part of the EMS requirements  
7 required under ISO is an item called management  
8 review, which is essentially a chance to sit down  
9 with senior management of the company, discuss,  
10 again, what have we learned this year? What are  
11 our improvement initiative? What elements are we  
12 focusing on for the next year?

13 So in the context of the EMS, I  
14 believe there are two examples of how it's done,  
15 and I'm going to refer to something else that I  
16 touched on this morning.

17 I think that Manitoba Hydro's work on  
18 agricultural biosecurity would actually represent  
19 a good example of this kind of organizational  
20 learning you described.

21 If you look at the learning curve that  
22 we had all throughout Bipole III and to date,  
23 where we started not understanding as much, and  
24 learned a lot along the way of how to apply it,  
25 how to implement it, what works for our

1 stakeholders, what works for our contractors and  
2 our staff, and have come out at the end with  
3 something that I do believe meets the needs of our  
4 stakeholders, of the regulators, of ourselves as  
5 well.

6 So just an example for you of how  
7 organizational learning can be applied.

8 MS. PASTORA SALA: Thank you for that.

9 Just focusing on the organizational  
10 memory part of that; there would be no specific  
11 policy within Manitoba Hydro to address the  
12 organizational memory? It would be based on the  
13 individual in charge, or based on the management  
14 team. Would that be correct?

15 MR. STUART: I would say, to the best  
16 of my knowledge, that is correct, yes.

17 MS. PASTORA SALA: And for the  
18 purposes of my next question, I'm going to define  
19 absolute requirements for environmental  
20 performance as specific targets for achieving  
21 sustainable development, like a reduction in  
22 emission, or a reduction in overall energy  
23 consumption. Is that okay?

24 So, you would agree that ISO 14001  
25 certification does not establish any absolute

1 requirements for environmental performance?

2 MR. STUART: ISO 14001 includes  
3 requirements for targets. So, as an example, if  
4 an organization has defined what are called  
5 significant environmental aspects, a key component  
6 of that would be to develop targets for those  
7 selfsame aspects.

8 MS. PASTORA SALA: And the targets  
9 that would be identified would be left up to the  
10 corporation to identify; correct?

11 MR. STUART: Yes. ISO is not  
12 prescriptive in that way.

13 MS. PASTORA SALA: In fact, the only  
14 two references to environmental performance of a  
15 company in ISO 14001 is one, a commitment to  
16 continual improvement of the EMS, which you  
17 referred to earlier, and an overall environmental  
18 performance with the organizational's  
19 environmental policy; and then two, a commitment  
20 to comply with relevant legislation and  
21 regulation. Would that be correct?

22 MR. STUART: In the context of the  
23 ISO 14001 standard, which is fairly high-level and  
24 does not provide a lot of prescriptive detail,  
25 yes, that is correct. Obviously it is up to each



1 organization that subscribes to or follows that  
2 standard to decide how it is best met with in the  
3 company.

4 MS. PASTORA SALA: Picking up on your  
5 comment earlier on continual improvements, is it  
6 accurate to say that ISO 14001 does not provide  
7 any guidance or technical definition of what  
8 constitutes continual improvement of the EMS?

9 MR. STUART: I'm honestly not sure. I  
10 may have to look into that. I can't quite  
11 remember exactly how it defines continual  
12 improvement. I don't have the standard handy with  
13 me.

14 MS. PASTORA SALA: Perhaps I can ask  
15 you: Does Manitoba Hydro's ISO 14001 certified  
16 EMS identify what is meant by continual  
17 improvement?

18 MR. STUART: I do not believe there is  
19 a formal definition, but it certainly is an  
20 understanding that continual improvement  
21 essentially means never being satisfied of where  
22 you are at, but always looking to improve.

23 If you set a target one year, and you  
24 achieve it, then the expectation would be that you  
25 can increase that target for the next year.

1 MS. PASTORA SALA: Just so I'm clear,  
2 Mr. Stuart, that would be your definition, not a  
3 definition in Manitoba Hydro's EMS, correct?

4 MR. STUART: I would like to get back  
5 to you on that, if that's okay. Certainly I will  
6 ask for a copy of our EMS documentation; then I  
7 can provide that answer back to you.

8 MS. PASTORA SALA: Can I get that as  
9 an undertaking?

10 MR. STUART: It may be fairly simple,  
11 but certainly it could be taken as an undertaking,  
12 yeah.

13 MS. PASTORA SALA: Thank you.  
14 (UNDERTAKING # MH-4: Provide a definition of  
15 continual improvement in Manitoba Hydro's EMS)

16 MS. PASTORA SALA: And in terms of the  
17 operational environmental policy, which we spoke  
18 about earlier, is it fair to say that it is up to  
19 Manitoba Hydro to identify the objectives,  
20 responsibilities, and commitments and actions that  
21 it will take as part of its ISO 14001  
22 certification?

23 MR. STUART: I think, like any  
24 organization that subscribes to ISO 14001, if it  
25 follows the standard, that would be correct, yes.

1 MS. PASTORA SALA: So there is no  
2 specific requirements for the information that is  
3 set out in those objectives, responsibilities, and  
4 actions, as long, of course, as they comply with  
5 legislation, licences, and permits?

6 MR. STUART: Sorry, could I ask you to  
7 repeat the question? I just didn't quite  
8 follow -- didn't quite follow it.

9 MS. PASTORA SALA: There is no  
10 specific requirements for the information that is  
11 set out in the objectives, responsibilities, and  
12 actions that Manitoba Hydro would identify in its  
13 EMS, which is 14001 certified; is that correct?

14 MR. STUART: I would say that's  
15 partially correct. The ISO standard, again, has  
16 expectations at a fairly highly level; and again,  
17 it is up to each organization to decide how that's  
18 best implemented and put into practice.

19 MS. PASTORA SALA: Right. And so  
20 the --

21 MR. STUART: A challenge of  
22 ISO 14001 -- sorry -- is that it does tend to be  
23 written at a fairly high level, and it is  
24 obviously up to each organization to interpret and  
25 implement as best they can.

1 MS. PASTORA SALA: And so those  
2 high-level -- that high-level requirement that you  
3 are referring to would be the continual  
4 improvement which, subject to check, may not be  
5 defined in the EMS of Hydro, and also the  
6 requirement to comply with relevant legislation  
7 and regulation. Correct?

8 MR. STUART: Yes.

9 MS. PASTORA SALA: Okay.

10 And those commitments, objectives, and  
11 responsibilities and actions, are tracked by  
12 Manitoba Hydro's management advisory committee,  
13 which is called EMAC, and in the EMAC Dashboard;  
14 is that right?

15 MR. STUART: I wouldn't say that  
16 they're tracked by EMAC in that regard. EMAC's  
17 role is as a high-level governance and advisory  
18 committee of senior management in Manitoba Hydro.

19 The EMAC Dashboard, again, for the  
20 benefit of the Commissioners, is we've chosen to  
21 identify what we call our significant  
22 environmental activities. So those activities  
23 that Manitoba Hydro carries out that we feel have  
24 the highest level of risk, even though it may be  
25 well controlled. And for each one of those, for

1 EMAC's purposes, we have identified targets to  
2 provide them assurance that the risk is being  
3 managed appropriately.

4 MS. PASTORA SALA: So those targets  
5 that Manitoba Hydro identifies are in EMAC  
6 Dashboard?

7 MR. STUART: Yes, they are. That's  
8 correct.

9 MS. PASTORA SALA: Okay. Thank you.  
10 And you have made a number of  
11 commitments, or Manitoba Hydro has made a number  
12 of commitments in the EMS for MMTP, as well as in  
13 information requests relating to monitoring and  
14 followup for the MMTP.

15 For example, a commitment to ongoing  
16 engagement with First Nations, and the Metis  
17 Nation, and individuals, and in incorporation of  
18 traditional knowledge within components of the  
19 EPP -- if you're looking for a reference, that's  
20 at page 22-8.

21 Manitoba Hydro has committed to  
22 providing a summary of compliance monitoring  
23 results in annual reports, and that's 22-10.

24 Manitoba Hydro has also committed to  
25 annual reports for the MMTP, and Manitoba Hydro

1 has committed to make those publicly available on  
2 the project website. And that's CAC IR 006.

3 Would you agree?

4 MR. MATTHEWSON: Yes, Manitoba Hydro  
5 has made those commitments.

6 MS. PASTORA SALA: Thank you,  
7 Mr. Matthewson.

8 In terms of ISO 14001, those  
9 commitments do not become part of the EMS unless  
10 expressly -- sorry; let me restart.

11 In terms of the ISO 14001, those  
12 commitments do not become part of the EMS unless  
13 Manitoba Hydro expressly decides to include them.  
14 Correct, Mr. Stuart?

15 MR. STUART: With regards to the EMS,  
16 just to speak about how this is managed  
17 internally, when we have a document such as an  
18 environmental protection plan, or an EIS, there is  
19 a goal to avoid duplicating the efforts. So the  
20 EMS will often simply point to an environmental  
21 protection plan as a means of achieving compliance  
22 or ensuring performance for a specific activity.

23 MS. PASTORA SALA: So it would not be  
24 expressly included in the EMS unless you  
25 specifically say it is. Correct?

1 MR. STUART: We could identify it,  
2 yes, that's correct. If we chose to identify EPP  
3 compliance as an indicator or target, we could.

4 MS. PASTORA SALA: For any of the  
5 other examples that I provided, they would have to  
6 be expressly included in the EMS; would that be  
7 correct?

8 MR. STUART: That would be correct,  
9 although again, we could include them at a higher  
10 level. As opposed to identifying each one  
11 individually, we could have a more blanket  
12 statement about compliance.

13 MS. PASTORA SALA: Any ISO 14001 audit  
14 related to MMTP would not review the commitments  
15 to ongoing engagement with First Nations,  
16 providing compliance, monitoring results, and  
17 making annual reports for MMTP publicly available,  
18 then, unless Manitoba Hydro makes them explicitly  
19 a part of its ISO 14001 certified EMS?

20 MR. STUART: Speaking hypothetically  
21 here, if Manitoba Hydro chose to, for example,  
22 bring our ISO auditors to MMTP, the ISO auditors  
23 would be provided with a copy of the EPP, and they  
24 would essentially hold us to that standard. They  
25 would look at the EPP, and they would assess our

1 performance: This is what we said we were going  
2 to do; are we doing it?

3 So the auditors would obviously, to  
4 the best of their own ability, choose how they  
5 wanted to assess and judge that, and that's been  
6 the case in the past.

7 So again, in the event that MMTP was  
8 audited by the ISO auditors, they would likely  
9 refer entirely to an environmental protection  
10 plan, or to other elements that they deemed  
11 appropriate under ISO 14001.

12 MS. PASTORA SALA: Just so I'm clear,  
13 it is only the information and elements that  
14 Manitoba Hydro identifies that are part of the  
15 ISO 14001 EMS, that are part of the ISO 14001 EMS.  
16 Correct?

17 MR. STUART: Not necessarily, no. The  
18 auditors can look at elements that the standard  
19 requires, and they may point to items that we  
20 would not necessarily normally consider part of an  
21 EMS. But they would point to that and ask for  
22 that, or ask for information on that.

23 MS. PASTORA SALA: And those  
24 standards, again, refer to the continual  
25 improvements and the licence and regulation and



1 legislation compliance; correct?

2 MR. STUART: There is a number of  
3 elements in the standard, of which those two  
4 you've mentioned certainly are part of it. There  
5 are additional elements or requirements for  
6 monitoring for measurement, for example, or  
7 requirements for retention of records. There is a  
8 number of functions within ISO 14001 that the  
9 auditors would be able to assess if they so chose  
10 to.

11 MS. PASTORA SALA: But the ones that I  
12 mentioned are the only requirements; correct?

13 MR. STUART: I wouldn't say that they  
14 are the only requirements, no. From an audit  
15 perspective, the auditors would look at all  
16 elements of the ISO 14001 standard and assess how  
17 well we implemented them within a certain project.

18 They wouldn't pick every single one --  
19 if they went to MMTP, they could say, "We are  
20 going to look at, for example, these two elements,  
21 or these three elements, and let's see how well  
22 they've been applied on the project itself." And  
23 then they may go somewhere else the next day and  
24 look at an entirely different one.

25 MS. PASTORA SALA: Okay.

1 MR. STUART: So it is entirely up to  
2 them. But any of the elements of the standard  
3 would be up for assessment by the auditors during  
4 an ISO 14001 audit.

5 MS. PASTORA SALA: If Manitoba Hydro  
6 identifies it within its EMS?

7 MR. STUART: No. Again, that would be  
8 up to the auditors to determine that.

9 We are aware of what the elements of  
10 ISO are, and within our documentation, we've  
11 identified how we meet those. For example, for  
12 something like training records, we have internal  
13 systems for training records; so rather than  
14 duplicating them under the EMS, we simply point to  
15 them, and then the auditors are free to explore  
16 those as they see fit.

17 So all we've done is we have  
18 identified where in the company these elements are  
19 managed or maintained, and then the auditors can  
20 assess those.

21 MS. PASTORA SALA: That would be a  
22 discretionary element, and it would not be an  
23 exhaustive list, for example?

24 MR. STUART: I wouldn't say it is  
25 discretionary. Typically the auditors will cover

1 as many of the elements as they can. In a --  
2 particularly in the longer reregistration audits,  
3 they will look for every element in there.

4 MS. PASTORA SALA: Could commitments  
5 identified in the EIS and information requests be  
6 captured in other types of third-party  
7 environmental audits, such as the ones which were  
8 recommended as licence recommendations for the  
9 Keeyask Generation Station and Bipole III?

10 MR. STUART: My apologies; could I ask  
11 you to repeat the question for this one?

12 MS. PASTORA SALA: Could commitments  
13 identified in the EIS, and information requests,  
14 be captured in other types of third-party  
15 environmental audits, such as the ones which were  
16 recommended by the Clean Environment Commission as  
17 licence requirements for Keeyask and Bipole III?

18 MR. STUART: I would say -- I think it  
19 is safe to say there is a number of different  
20 ways -- there are a number of different mechanisms  
21 in which these could be captured. Audits are  
22 simply one of them. Whether it is ISO or not,  
23 there is many -- many other mechanisms that could  
24 be used to identify these.

25 MS. PASTORA SALA: And at this time,

1 Manitoba Hydro has not considered an additional  
2 external audit for the MMTP; correct?

3 And I'm referencing CAC IR 001-8B.

4 And maybe while you look for that, I just wanted  
5 to give you the citation for the previous  
6 statement. We don't need to go back to it, but it  
7 was in the preface of the EPP, at paragraph 1,  
8 just for your information.

9 MR. STUART: I think, with regards to  
10 the question about the additional audits, at this  
11 point in time, as noted in the response to IR 018,  
12 we have not considered an additional external  
13 audit on MMTP.

14 MR. MATTHEWSON: I would like to  
15 expand upon Mr. Stuart's response there.

16 So, Manitoba Hydro, throughout the  
17 development of its environmental protection  
18 program for the MMTP project, has looked at a  
19 variety of mechanisms by which we could implement  
20 some type of additional oversight.

21 So I'm going to share with you a few  
22 of the examples that are in the IS, and other  
23 things that we've discussed through the IR  
24 process.

25 Manitoba Hydro's environmental

1 monitoring annual reports, these are published  
2 annually, that talk about our annual reporting on  
3 environmental compliance; the spills, reportable  
4 and non-reportable; any infractions or warnings  
5 issued by the regulators. They provide the annual  
6 reporting on environmental monitoring results.

7           And all these reports are posted on  
8 Manitoba Hydro's website and the public registry.  
9 And Manitoba Hydro presents the information of the  
10 results to any interested parties upon request,  
11 whether it be indigenous communities or Manitoba  
12 Sustainable Development or the National Energy  
13 Board.

14           We have an ongoing public engagement  
15 process that you've heard about through our  
16 Property Department. The landowner liaison  
17 process allows landowners to give us direct  
18 feedback throughout the entire construction  
19 process, and into operations, about any concerns  
20 or oversights they have on any particular -- on  
21 their particular piece of property, or any other  
22 observations they may have.

23           We of course have the regulatory  
24 oversight of Manitoba Sustainable Development,  
25 both the conservation officers as well as the

1 environment officers. We, of course -- this, as  
2 an international power line, have the National  
3 Energy Board inspection process. We also have  
4 Transport Canada inspections, workplace health and  
5 safety inspections, as well as the Department of  
6 Fisheries and Oceans inspections, just to name a  
7 few of the regulators that are involved in a  
8 project like this. And as Mr. Stuart has pointed  
9 out, the third-party oversight that we have on our  
10 biosecurity policies.

11 I think all of these things, combined  
12 with one other key community working group that we  
13 are -- we have plans and discussions, as we've  
14 heard in the previous intervener's questions about  
15 community indigenous monitoring working group.  
16 And this is going to provide, I think, very good  
17 opportunities for Manitoba Hydro and the  
18 indigenous communities to work together, to  
19 observe the construction and monitoring and see  
20 directly the types of effects that are occurring  
21 on the landscape as a result of construction, and  
22 seeing the monitoring of those effects and being  
23 involved in that.

24 Manitoba Hydro has an environmental  
25 monitor position that it has used on other

1 projects and has adapted throughout, since the  
2 start of the Bipole III project, on quite a few  
3 other projects since then, and has adapted it  
4 again for the MMTP project, as a way to  
5 incorporate and work with indigenous communities,  
6 to be on the land and see the effects of the  
7 transmission project on their land.

8 I think all of these things together  
9 provide a wide variety of oversight onto Manitoba  
10 Hydro's Manitoba-Minnesota Transmission Project.

11 MS. PASTORA SALA: Thank you for that,  
12 Mr. Matthewson.

13 So in terms of the monitoring, and as  
14 well as the annual report that you were  
15 referencing, I will be coming back to that and  
16 having a discussion about those elements with you  
17 on Thursday.

18 What I was actually referring to was  
19 the CEC recommendation 13.1 in Keeyask, which  
20 required a third-party environmental audit to  
21 assess whether commitments were met and assess the  
22 accuracy, and then also the post hoc evaluation  
23 which was to be repeated, ten years after the  
24 first environmental audit.

25 So that specific audit was what I was

1 referring to. And I was just asking Manitoba  
2 Hydro to confirm whether that external audit had  
3 been considered at this time.

4 MR. MATTHEWSON: We didn't consider  
5 that type of external audit for a project of this  
6 size.

7 MS. PASTORA SALA: Thank you.

8 I would now like to move to discussing  
9 the non-conformities associated with the EMS which  
10 are ISO 14001 certified.

11 So, Mr. Stuart, if I were to explain  
12 what a nonconformity in plain language, again,  
13 would it be accurate to say that a nonconformity  
14 occurs when the objectives, actions,  
15 responsibilities which are identified by the  
16 Corporation are not met?

17 MR. STUART: In the context of the ISO  
18 standard, the nonconformity could be as you  
19 described; it could also be a nonconformity with  
20 the standard itself.

21 For example, one requirement of the  
22 standard is to carry out annual management reviews  
23 with senior management in the company. If an  
24 auditor comes and finds that you haven't done  
25 that, that would also be considered a



1 nonconformity.

2                   So for the Commission's benefit,  
3 again, it is both those elements that you yourself  
4 might identify and those elements identified by  
5 the ISO standard as well.

6                   MS. PASTORA SALA: Does that mean that  
7 if Manitoba Hydro anticipates having more of an  
8 impact on something -- pick anything -- which it  
9 actually does, then that could be identified as a  
10 nonconformity in an audit?

11                   MR. STUART: Could I ask you to just  
12 repeat that question?

13                   MS. PASTORA SALA: Yes. I apologize.

14                   If Manitoba Hydro anticipates having  
15 more of an impact on something, which it actually  
16 does, could that be identified as a nonconformity  
17 in an ISO audit?

18                   MR. STUART: By "more of an impact,"  
19 would you say exceeding the target? Are we  
20 talking a positive impact here, or --

21                   MS. PASTORA SALA: I'm going to use a  
22 really simple example, hypothetical example.  
23 Let's say Manitoba Hydro anticipated having a  
24 negative impact on three bird species, but it only  
25 impacts one. Could that be identified as a

1 nonconformity because you are not meeting your own  
2 targets?

3 MR. STUART: I would -- it is an  
4 interesting question. I would venture to say that  
5 a positive impact, such as assuming that a project  
6 will impact three bird species, and in the end our  
7 controls and our management practices are such  
8 that we only impact one, would be potentially  
9 viewed as a positive by the auditor. You've  
10 exceeded what your expectations were, your impact  
11 was.

12 The only nonconformity I could find  
13 with that would be the auditors may suggest that  
14 we need to -- perhaps we were a little too  
15 sweeping in our risk assessments, from an EMS  
16 perspective; but I would struggle to see that as a  
17 nonconformity.

18 Again, different auditors and  
19 different registrars will have their own  
20 assessments on things, so it's hard to find one  
21 consistent approach when it comes to registrars.

22 MS. PASTORA SALA: But it would be  
23 accurate to say that a nonconformity is simply not  
24 meeting the target you've identified. Correct?

25 MR. STUART: In a very general way, a

1 nonconformity could be seen as -- you know, we  
2 didn't do what we said we were going to do, which  
3 is sometimes the way some of our registrars have  
4 looked at it: "You said you were going to do X,  
5 but you didn't; therefore that could be construed  
6 as a nonconformity."

7           In my experience with ISO registrars,  
8 if it is a more positive impact, they generally  
9 will not view it as a nonconformity.

10           MS. PASTORA SALA: It will all just  
11 depend on what is identified by Manitoba Hydro in  
12 its EMS; would that be fair?

13           MR. STUART: Or by a document that the  
14 EMS points to, such as an EPP or the like.  
15 Because, again, the EMS is at a fairly high level,  
16 and it will point back to those documents. So if  
17 those documents do refer to that, then yes, that  
18 would be captured.

19           MS. PASTORA SALA: As part of the  
20 ISO 14001 certification of its EMS, Manitoba Hydro  
21 is subject to annual audits to verify its  
22 environmental performance; correct?

23           MR. STUART: We are subject to annual  
24 audits to ensure that we meet the terms of the  
25 ISO 14001 standard, which, again, indicates that

1 the organization has an appropriate way of  
2 managing -- identifying and managing environmental  
3 risk.

4 MS. PASTORA SALA: So it is subject to  
5 annual -- to audits.

6 MR. STUART: Yes, annual audits in a  
7 three-year cycle.

8 MS. PASTORA SALA: And an excerpt of  
9 the Riel Construction Department Site audit, an  
10 excerpt, was provided on March 13, 2017, in  
11 response to CAC IR 001. Correct?

12 MR. STUART: That is correct, yes.

13 THE CHAIRMAN: Sorry to interrupt.  
14 Serge Scrafield, the Chair.

15 We are at 3:00 o'clock. Just before  
16 we go, I would have a question regarding the  
17 amount of time you need. You had estimated  
18 about -- if my notes are correct, about  
19 30 minutes; we are at close to 40, 40 to 45 now.

20 MS. PASTORA SALA: I do have more  
21 questions, Mr. Chair. I will be approximately an  
22 additional 10 to 15 minutes. And I apologize for  
23 mis-estimating. I think I have been pretty  
24 bang-on otherwise.

25 THE CHAIRMAN: That's true.

1                   We will come back here at 3:15, and  
2    look forward to another 10 to 15. But I am going  
3    to have to limit to that.

4                   MS. PASTORA SALA: Thank you,  
5    Mr. Chair.

6                   (Recessed at 3:00 to 3:15 p.m.)

7                   THE CHAIRMAN: All right. If I could  
8    ask everyone to be ready to continue, we will  
9    start right away.

10                  Just before we continue with the  
11   questioning -- and in fairness to Ms. Pastora  
12   Sala, and to the intervenor that was up before  
13   her, you may have noticed, because we have fallen  
14   a little bit behind, I have begun sticking as  
15   close as I can to the timelines. So I would ask  
16   that before we get to each section, you work out a  
17   reasonable time frame with the secretary, and then  
18   I will hold participants to that time frame.

19                  We will be -- as I use the word  
20   carefully there -- we will be reasonable in time  
21   frames. We can't be excessive, or we just won't  
22   stay on schedule.

23                  So I would ask you to keep that in  
24   mind, and in the spirit of us accommodating each  
25   other, that we stick to the time frames.

1 So thank you, and with that

2 Ms. Pastora Sala, take it away.

3 MS. PASTORA SALA: Thank you,

4 Mr. Chair. All right.

5 So, Mr. Stuart -- did you want to say  
6 something?

7 MR. STUART: If I could address the  
8 question about continual improvement; we have done  
9 a bit of research, and I have answers for you now,  
10 if now is an appropriate time.

11 MS. PASTORA SALA: Yes.

12 MR. STUART: Great.

13 So, very briefly, a definition of  
14 continual improvement could be a recurring  
15 activity to enhanced performance. So under  
16 Manitoba Hydro's environmental management system,  
17 this is identified in two separate places. Our  
18 environmental management policy, which every  
19 organization that subscribes to the ISO standard  
20 is required to have, it clearly states that one of  
21 the goals for Manitoba Hydro is continually  
22 improving the EMS, so continually improving the  
23 system itself as well.

24 Within our guidance documentation for  
25 the environmental management system, Manitoba

1 Hydro has chosen to follow what's called the  
2 "Plan, Do, Check, Act" cycle, which is essentially  
3 a form of continual improvement. You plan, you  
4 check, you actually carry out the activity; all  
5 those steps there. And it specifically identifies  
6 this cycle as driving continual improvement.

7 So we have commitments to continual  
8 improvement, and then we describe an entire cycle  
9 which is intended to in itself be continual  
10 improvement.

11 THE CHAIRMAN: Just a gentle reminder,  
12 to silence or to -- anyway, get the volume down on  
13 the phones.

14 MS. PASTORA SALA: Just to be clear,  
15 Mr. Stuart, the explanation that you provided is  
16 an explanation, but not a specific definition of  
17 the term "continual improvements"; would that be  
18 accurate?

19 MR. STUART: That would be accurate,  
20 yes.

21 MS. PASTORA SALA: Thank you.

22 And so, just before the break, we  
23 were -- I had just asked you or I had just  
24 referred to the excerpt of the Riel Construction  
25 Department and Sites audit, which was provided in

1 CAC IR 001.

2 And I should probably thank Manitoba  
3 Hydro on the record for providing that excerpt.

4 In that excerpt, Pricewaterscoopers  
5 LLP indicates that it encourages Manitoba Hydro to  
6 consider the development of a transition plan in  
7 preparation to successfully transitioning to the  
8 new standard, the ISO 14001-2015, prior to the  
9 date of September 1, 2018. Is that correct?

10 MR. STUART: That is correct, yes.

11 MS. PASTORA SALA: And as part of CAC  
12 IR 018H, a copy of the EMAC annual Dashboard for  
13 2015/2016 was provided?

14 MR. STUART: Yes.

15 MS. PASTORA SALA: However, Manitoba  
16 Hydro noted that the -- and I quote -- "Dashboard  
17 is currently under review as per, 1, and the  
18 indicator noted here may no longer be used."

19 That's a direct quote.

20 MR. STUART: Yes, that is correct.

21 MS. PASTORA SALA: And in response to  
22 CAC IR 018, Manitoba Hydro indicated that, quote:  
23 "ISO audit reports are considered  
24 confidential information and are  
25 intended for use of management."



1 Correct?

2 MR. STUART: That is correct, yes.

3 MS. PASTORA SALA: And just by way of  
4 clarification, Manitoba Hydro also indicates that  
5 the reports are generally not made publicly  
6 available. Correct?

7 MR. STUART: That is correct, because  
8 the reports are generally considered the  
9 intellectual property of the auditors. And as  
10 we've noted elsewhere, any release of the reports  
11 requires the consent of the auditors themselves.

12 MS. PASTORA SALA: To be clear, does  
13 this statement mean that Manitoba Hydro -- let me  
14 rephrase that.

15 By "generally not made publicly  
16 available", does that mean within Manitoba Hydro?  
17 Or are you referring to an industry practice?

18 MR. STUART: I'm referring to, in this  
19 case, an industry practice, because again, it is  
20 not Manitoba Hydro's discretion to share or not  
21 share them. It is up to the auditors entirely.

22 MS. PASTORA SALA: Thank you.

23 And thinking back to the updates that  
24 are required and identified in Manitoba Hydro's  
25 responses to CAC 001 and CAC 018, would it be

1 accurate to state that the public will not have an  
2 opportunity to review the information which will  
3 be identified by Manitoba Hydro in its updated  
4 ISO 14001 certified EMS?

5           Given Manitoba Hydro has indicated  
6 that it will not make the information public.

7           MR. STUART: I think, if I can clarify  
8 a couple of points there.

9           First of all, Manitoba Hydro's  
10 environmental management policy, which is the core  
11 of our EMS, is generally publicly made available,  
12 and it is, I believe, on our website. If members  
13 of the public or interested parties or stakeholder  
14 groups had questions about the EMS, we certainly  
15 always welcome those questions, and we would be  
16 happy to answer them.

17           It is more the release of audit  
18 reports, which, again, is not something that we  
19 control; as I say, those belong to the auditors,  
20 and it is up to them to release it.

21           In this case, they would not release  
22 the whole thing, but they did release excerpts of  
23 it for the purposes of this hearing, which has  
24 enabled us to have quite a good conversation about  
25 it.

1 MS. PASTORA SALA: And you would be  
2 aware, Mr. Stuart, that this is not the first time  
3 CAC Manitoba has requested excerpts, or the audit  
4 in its entirety, and that it is the first time  
5 that it has been provided excerpts?

6 MR. STUART: Yes, I am aware of that.

7 MS. PASTORA SALA: And so for those  
8 updates that are identified in the information  
9 requests, just to be clear, the general public  
10 will not have an opportunity to review, for  
11 example, the updated Dashboard. Would that be  
12 correct?

13 MR. STUART: At this point in time,  
14 there is no mechanism for sharing that.

15 MS. PASTORA SALA: And so the general  
16 public will not have the opportunity to understand  
17 specifically how the ISO 14001 certification is in  
18 fact demonstrated that Manitoba Hydro is an  
19 environmental steward?

20 MR. STUART: I would suggest that  
21 Manitoba Hydro has many, many different mechanisms  
22 by which to convey information to the general  
23 public about our environmental performance, our  
24 stewardship of the environment. Mr. Matthewson, I  
25 believe, covered off a number of those in his

1 discussion.

2 MS. PASTORA SALA: Would you agree  
3 that the failure to make the ISO 14001 audits  
4 publicly available lacks in transparency?

5 MR. STUART: I wouldn't characterize  
6 it as a failure, because I would like to note that  
7 certainly for the purposes of this hearing, the  
8 information was released and is publicly  
9 available.

10 So with regards to that, I  
11 certainly -- you know, I would like to put that on  
12 the record. I think if there are -- one of the  
13 opportunities we have, too, is Manitoba Hydro is  
14 currently putting out a tender in the near future  
15 for an ISO registrar. And one of the items that  
16 we've noted for discussion with potential vendors  
17 is, would there perhaps be an opportunity for the  
18 vendor, say, to take relevant -- or the successful  
19 vendor to take relevant information about, as an  
20 example, the Manitoba-Minnesota Transmission  
21 Project, and provide that in a summary form for  
22 release through the annual monitoring.

23 So that's something that we are  
24 certainly willing to discuss with our vendors, as  
25 as example of providing the public information

1 about the audits.

2 MS. PASTORA SALA: Would you agree  
3 that failing to provide the updated Dashboard, and  
4 the manner in which Manitoba Hydro will comply  
5 with the updated ISO certification, lacks in  
6 transparency?

7 MR. STUART: I think, with regards to  
8 the transition which you note, for the  
9 Commission's benefit, this would be a plan for  
10 transitioning from the 2004 version of the ISO  
11 standard to the 2015 version of the ISO standard.

12 Again, that's something that we would  
13 be happy to discuss, if there were individual  
14 questions or questions related to it. We  
15 certainly have no issues there. It is not  
16 particularly exciting, but we can certainly talk  
17 about it.

18 With regards to the Dashboard, again,  
19 that's designed to -- it is designed for senior  
20 management, as a tool to help them understand  
21 where resources might be needed, where they should  
22 be focusing on, et cetera. As such, it is really  
23 a tool to drive continuous improvement on an  
24 internal basis.

25 Again, it's not -- there is not really

1 a whole heck of a lot of information in there that  
2 may be of interest to people, but these are the  
3 kind of things that we certainly would be happy to  
4 discuss if there were specific questions on them.

5 MS. PASTORA SALA: I can certainly  
6 indicate, Mr. Stuart, that while I might not  
7 personally find them that exciting, I know that  
8 some of the experts that CAC Manitoba works with  
9 does.

10 Those are all my questions for you,  
11 Mr. Stuart. Thank you very much.

12 MR. STUART: Thank you.

13 THE CHAIRMAN: Thank you very much.  
14 And Ms. Pastora Sala, and thanks for being so  
15 timely.

16 All right. That brings us next to the  
17 Southern Chiefs' Organization. Mr. Beddome.

18 MR. BEDDOME: Thank you very much,  
19 Mr. Chair.

20 I did tell the secretary I will be  
21 about a half an hour; I'm going to do my best to  
22 abide by that, but I notice none of us have been  
23 able to stay exactly on schedule today, maybe  
24 because I think our panelists -- and I appreciate  
25 this -- are taking time to deliberate and think

1 carefully through their answers, so maybe I will  
2 take 45 minutes, and I'll do everything I can to  
3 be as efficient as I can, Mr. Chair.

4 So the first question is a common one,  
5 one that you guys will have heard me ask other  
6 panels before, but really, I think, a fairly  
7 simple one, a yes or no. I will ask it to all of  
8 the panelists, actually.

9 Would you all agree that indigenous  
10 knowledge -- and that includes Aboriginal  
11 traditional knowledge, but also local knowledge of  
12 the land and the community, traffic patterns, et  
13 cetera -- adds value to this project?.

14 MR. PENNER: I certainly think it  
15 does, yes.

16 MR. BEDDOME: Other panelists?

17 MR. MATTHEWSON: Yes.

18 MR. STUART: Yes.

19 MR. IRELAND: Yes, I agree.

20 MR. BEDDOME: And you would all agree  
21 that includes construction and operation?

22 MR. PENNER: Can you rephrase your  
23 question?

24 MR. BEDDOME: Sure. In terms of that  
25 value of the indigenous knowledge, you would

1 include that that includes the construction  
2 operation part of the project, throughout the  
3 entire life cycle?

4 MR. PENNER: Sure.

5 MR. MATTHEWSON: Yes.

6 MR. STUART: Yes.

7 MR. IRELAND: Yes.

8 MR. BEDDOME: Thank you very much.

9 So -- and I won't take too long,  
10 because I've conferred with my friend who  
11 represents Peguis First Nation, which is a  
12 Southern Chiefs' Organization member nation, so I  
13 think he will be following up on some of these  
14 questions. But I take you to the presentation of  
15 Mr. Penner at slide 13.

16 And you may not even need the slide  
17 up, but there was a comment by Mr. Penner, I  
18 believe, that in regards to specific Bipole III  
19 contracts, that he was quite proud that had about  
20 70 per cent indigenous employment.

21 I'm accurately summarizing the  
22 statement that was made in your presentation on  
23 Thursday?

24 MR. PENNER: Let me just find that  
25 slide.



1 MR. BEDDOME: It is the last slide in  
2 the presentation, page 13 of the book of  
3 presentations you gave us. Slide 37, page 13.

4 MR. PENNER: Slide 37, yes.

5 MR. BEDDOME: That's my mistake; I  
6 read the page rather than the slide. Please  
7 forgive me. It is the last slide in your  
8 presentation.

9 MR. PENNER: So the 70 per cent, I  
10 don't believe I commented -- yes, so the  
11 70 per cent refers to the calculation done on the  
12 last three contracts over this past winter.  
13 That's -- we put out a set of contracts -- if you  
14 remember, we talked about Bipole III -- that we  
15 broke that project up into eight different  
16 sections, and we awarded different contracts at  
17 different times.

18 So that 70 per cent refers to the  
19 contracts that were awarded for this winter, and  
20 they will go through next winter as well. So I  
21 can go into detail, if you would like to know  
22 which sections they were. But essentially it was  
23 the indigenous content or the employment for  
24 essentially the last three months of this past  
25 winter for those contracts.

1 MR. BEDDOME: Okay. And in previous  
2 winters, was the number higher or low?

3 MR. PENNER: The number was lower.  
4 What I had referred to in my presentation was that  
5 I think that 70 per cent was a snapshot in time,  
6 and that this winter had a significant amount of  
7 tower assembly. And initially in Bipole III, when  
8 we were in this process, there was a fair amount  
9 of interest in tower assembly. And as a result,  
10 we made an effort on a tower assembly training  
11 program that occurred over a number of years.

12 And I think I also quoted that there  
13 were -- we had 87 hires on average of 98 days of  
14 employment. As I said, this winter, there was a  
15 significant amount of tower assembly, which  
16 requires a fair amount of labour.

17 So that's where that number comes  
18 from. I don't expect that the 70 per cent will  
19 persist, because as we move into the phase where  
20 we are needing crane operators and journeymen  
21 linemen, and less tower assembly will be required,  
22 that number will change.

23 MR. BEDDOME: I just want to clarify  
24 something -- and thank you for that.

25 And -- well, first, let's start with

1 the positive, because it is important to my client  
2 to have economic opportunities, and I think what  
3 I'm hearing you say is that Manitoba Hydro is  
4 doing what it can to increase indigenous  
5 employment wherever it can. Would that be a fair  
6 statement?

7 MR. PENNER: Yes, I think we have  
8 done -- yep, we've done some very good things with  
9 our contracts to allow for indigenous employment  
10 and contracting opportunities, yep.

11 MR. BEDDOME: With respect to the  
12 linemen and the crane operators and other  
13 equipment operators, would it be possible for  
14 Manitoba Hydro to invest in education and  
15 employment and training so they could achieve  
16 similar -- you know, 70 per cent, or even better  
17 numbers?

18 MR. PENNER: So, you know, Manitoba  
19 Hydro certainly has a strong record of indigenous  
20 employment in these contracts, as well as a good  
21 record with indigenous employment within Manitoba  
22 Hydro as well.

23 We did, at the outset of Bipole III,  
24 do a heavy equipment operator training program as  
25 kind of a pilot. And that -- I think that that

1 training didn't necessarily result in as many of  
2 the heavy equipment operators that were trained  
3 get into the project as we had hoped. But  
4 certainly we tried to go down that path of  
5 providing that training.

6 MR. BEDDOME: So you are not intending  
7 on going down the similar path for the  
8 Manitoba-Minnesota Transmission Project, having a  
9 heavy equipment training at the outset of the  
10 project?

11 MR. PENNER: The way that we want to  
12 encourage training in the Manitoba-Minnesota  
13 Project is to provide that through contractor  
14 on-the-job training.

15 MR. BEDDOME: Why did you think it  
16 didn't work out? It seems like a good model, and  
17 I guess the reason I'm asking, to be candid, is  
18 obviously my client is very much interested in the  
19 economic opportunities, and certainly indigenous  
20 people, although we recognize the accessibility of  
21 manual jobs, indigenous people also want good,  
22 high-quality paying jobs with people with  
23 specialization.

24 So I'm just trying to understand why  
25 that didn't work in Bipole III, and why you are

1 not going to be pursuing a similar approach in the  
2 Manitoba-Minnesota Transmission Project.

3 MR. PENNER: Well, the  
4 Manitoba-Minnesota Project is significantly  
5 smaller than Bipole III, and that's one of the  
6 reasons why we wouldn't consider doing the heavy  
7 equipment operator training for this. There are  
8 significantly less heavy equipment operators  
9 required.

10 I don't know if I would say that the  
11 outcome of the heavy equipment operator training  
12 didn't work, but we didn't see as -- and just give  
13 me a moment; I'm just going to see if we have got  
14 some stats.

15 MR. BEDDOME: Sure.

16 MR. PENNER: Yeah, my understanding is  
17 that we trained approximately 30 people across the  
18 province, and about five of them found jobs within  
19 the projects.

20 MR. BEDDOME: Would it be fair to say  
21 what your concern is, you are training those  
22 people, and they are finding jobs maybe out in  
23 Alberta, or somewhere else, and you are losing  
24 that investment in training?

25 MR. PENNER: I think that that would

1 still be a positive outcome from the training.  
2 But when I look at the size of MMTP, and the  
3 number of heavy equipment operators required for  
4 the project, I would say that we wouldn't repeat  
5 that heavy equipment operator training.

6 MR. BEDDOME: Okay. Thank you very  
7 much for that.

8 Now, of the 70 per cent, do you have a  
9 breakdown of which of that 70 per cent that you  
10 are looking at in the most specific project, do  
11 you have a breakdown of how many of those  
12 indigenous employees might be coming from out of  
13 province?

14 So, for instance, you bring in a  
15 contractor from Alberta or Quebec that has a high  
16 indigenous number of employees; I'm just curious  
17 if there is any breakdown between out-of-province  
18 contractors -- I would assume they would tend not  
19 to be directly employed by Manitoba Hydro, but if  
20 they are, fair enough; but I'm wondering if there  
21 is a breakdown between out of province and in  
22 province.

23 MR. PENNER: That number was specific  
24 to Manitoba indigenous.

25 MR. BEDDOME: So would it be fair to

1 say that actually the numbers might be higher if  
2 we took into account out-of-province contractors?  
3 Do you know?

4 MR. PENNER: We don't know. But it is  
5 possible.

6 MR. BEDDOME: Sure. And do you keep a  
7 breakdown in terms of -- and I want to be very  
8 respectful, and I really want to acknowledge the  
9 comments of Mr. Blacksmith, so I'm going to say,  
10 do you keep a breakdown between the indigeneity of  
11 the people, being whether they are Metis, whether  
12 they're status First Nation, or maybe even, let's  
13 say, whether they are -- you know, Dakota, who  
14 didn't necessarily sign treaty. I want to be  
15 respectful of that.

16 But is there a breakdown between that,  
17 that you guys keep track of? Or do you just put  
18 it all in one category?

19 MR. PENNER: So we do track that  
20 information, although the targets are inclusive of  
21 First Nations and Metis.

22 MR. BEDDOME: So you did track it.  
23 Are you able to give me a breakdown between the  
24 two, out of curiosity? I'm just wanting to know,  
25 then, if you are tracking it, presumably you have

1 that breakdown for those last three specific  
2 contracts.

3 MR. PENNER: For the last three  
4 contracts?

5 MR. BEDDOME: Well, those are the  
6 numbers in your --

7 MR. PENNER: Again, that 70 per cent  
8 was a snapshot in time, on a specific day. I can  
9 find out. Hang on.

10 They are digging up some of that  
11 numbers, if they can, right now.

12 MR. BEDDOME: I appreciate that.  
13 That's the last one I'm going to have on  
14 employment, so it is a perfect break for me to get  
15 my next documents ready. So thank you.

16 I can see the cell phone calculations  
17 taking place right now, so I appreciate that.

18 THE CHAIRMAN: Serge Scrafield, the  
19 Chair.

20 Is there any chance we could continue  
21 with the questioning and come back on that? It  
22 sounds like this is a pretty complicated --

23 MR. BEDDOME: Certainly. And also,  
24 just as an option -- because I can see you guys  
25 doing, effectively, back-of-the-napkin



1 calculations, if you just wanted to respond to  
2 that by way of an undertaking, if Manitoba Hydro  
3 is acceptable to that.

4 MR. PENNER: I was going to give you  
5 an answer and see if the answer is enough detail  
6 for you, and then hopefully we can carry on.

7 Overall -- not just on those last  
8 three contracts -- overall, we were at 51 per cent  
9 indigenous content on Bipole III, and 34 per cent  
10 off -- so 34 per cent is status; 15 per cent  
11 Metis; and 2 per cent non-status. That's overall.

12 Breaking it down in more detail, and  
13 digging into contracts, becomes significantly more  
14 in-depth; I don't think we can do it here for you  
15 right now.

16 MR. BEDDOME: No, that's actually  
17 exactly what I was looking for, and I appreciate  
18 that, and thank you very much for your quick  
19 calculations. I know, as a lawyer, I wouldn't be  
20 able to do that.

21 All right. Now, my next question, I  
22 think, will go to Mr. Matthewson, and it would be  
23 at slide 12 where he addressed this point,  
24 although I don't know for sure that it is  
25 necessary you go to that slide; I just want to

1 reference where I made notes where you referenced  
2 it.

3 And that's where you talked about --  
4 certainly you heard that there was a concern about  
5 land and traditional resource use from the  
6 project, and that during construction, that some  
7 resource users may not be able to access their  
8 traditional hunting and harvesting grounds. That  
9 would be accurate?

10 MR. MATTHEWSON: No, I think Manitoba  
11 Hydro puts in substantial mitigation measures and  
12 planning in place to mitigate that effect.

13 MR. BEDDOME: To mitigate that effect,  
14 but in certain circumstances, it would be fair to  
15 say that traditional harvesters would not be able  
16 to access certain lands, due to construction  
17 activities?

18 MR. MATTHEWSON: So certain  
19 activities, such as the use of firearms within the  
20 project construction area of the right-of-way,  
21 yes.

22 MR. BEDDOME: So the use of firearms,  
23 so presumably that would limit the ability for  
24 First Nations people to hunt, correct?

25 MR. MATTHEWSON: Yes, it would limit

1 the ability for anyone to discharge a firearm  
2 within close proximity of an active construction  
3 site, for obvious safety reasons.

4 MR. BEDDOME: And so will any  
5 compensation be provided to these resource users  
6 for the interruption into the exercise of their  
7 traditional practices?

8 MR. MATTHEWSON: To date, Manitoba  
9 Hydro has not provided any type of compensation  
10 for that, as we've been very successful in working  
11 with communities in the planning and making them  
12 aware of the construction activities being  
13 undertaken, and working with them to provide  
14 continued access across the right-of-way, to get  
15 to other areas of traditional resource use.

16 MR. BEDDOME: Thank you for that. So  
17 that would be a no.

18 Now, I want to draw your attention  
19 to -- bear with me -- this is the problem,  
20 sometimes, with digital files versus paper files.  
21 It is at -- sorry, Peguis First Nation IR -- PFN  
22 IR 006, in the first round, if you want to turn to  
23 it.

24 What that question addresses -- and I  
25 will return to it; it is not what I'm going to

1 specifically address at first, but it is concerns  
2 about herbicide use, which has clearly already  
3 been reflected -- was brought up by many  
4 indigenous communities.

5 I don't know if you have the IR yet.

6 MR. MATTHEWSON: Yes. Go ahead.

7 MR. BEDDOME: It says at the  
8 beginning, part of this question deals with the  
9 fact of figuring out where the sensitive sites and  
10 where the sensitive areas are. It says:

11 "Manitoba Hydro has been compiling,  
12 where possible, sensitive sites, as  
13 described above, from existing ATK  
14 reports submitted to date, and will  
15 include them in construction  
16 environmental protection and  
17 environmental monitoring. Operational  
18 environmental protection plans."

19 And then it says:

20 "As additional sites are identified  
21 through the engagement process, they  
22 will be reviewed and incorporated into  
23 the applicable plans. The sensitive  
24 site process starts with identifying a  
25 location and nature of sensitivity,

1 followed by field verification,  
2 characterization of existing  
3 environment mapping, and incorporation  
4 into applicable environment protection  
5 and monitoring plans."

6 You see that. Correct?

7 MR. MATTHEWSON: Correct.

8 MR. BEDDOME: So we are sitting here,  
9 in May of 2017, and assuming you get your  
10 licence -- and that's certainly not guaranteed --  
11 but the plan is to start construction in January  
12 of 2018. I recognize that construction would go  
13 on for two years, until March of 2020, but how are  
14 you going to have enough time to do field studies,  
15 if further sensitive sites are identified through  
16 the First Nations engagement process? It seems  
17 like your timelines are pretty tight. Would you  
18 not agree?

19 MR. MATTHEWSON: The IR refers to the  
20 use of herbicides on those sensitive sites, so the  
21 use of herbicides on any sensitive site on the  
22 right-of-way is undetermined at this time, but  
23 Manitoba Hydro has committed in the EIS that no  
24 herbicides are used during the construction  
25 period, and as you noted, that is two years.

1 MR. BEDDOME: I recognize what you are  
2 referring to in that question as herbicides, but  
3 am I not correct in understanding that the plan is  
4 that in future, sensitive sites are identified --  
5 and let me back up a bit.

6 You learned from the Bipole III  
7 project, would it be fair to say, that throughout  
8 the Bipole III project, additional sensitive areas  
9 were uncovered as you went through the  
10 construction and the operation and moved forward  
11 with the process, even after a licence was  
12 granted? Would that not be fair to say?

13 MR. MATTHEWSON: Yes. Sensitive sites  
14 were identified during the construction -- and  
15 continue to do so during the construction process.

16 MR. BEDDOME: And so it would be fair  
17 to say the same would likely happen with the  
18 Manitoba-Minnesota Transmission Project. Correct?

19 MR. MATTHEWSON: That may happen, yes.

20 MR. BEDDOME: And so my question is,  
21 it seems that part of the process is field  
22 studies, but there is certain seasonality to these  
23 field studies. There might be certain times of  
24 the year that certain plants may come up and  
25 certain times of the year when plants don't come

1 up, and it seems to me that you wouldn't have --  
2 let's say this summer, some further sensitive  
3 sites were identified, and you are looking to  
4 start construction in that area by January of  
5 2018. There may not in fact even be enough time  
6 to conduct field studies.

7 Do you see that concern?

8 MR. MATTHEWSON: Manitoba Hydro has an  
9 ongoing preconstruction survey process underway to  
10 identify sensitive sites prior to construction,  
11 and validate as we gain access to the right-of-way  
12 through our easement process.

13 There are a variety of mechanisms by  
14 which we could put into place to -- if a site was  
15 identified, and depending on the nature of the  
16 sites, there may be buffers or other prescriptions  
17 that could be put in place as a mitigative measure  
18 until the site is more thoroughly reviewed.

19 As an example, a heritage site: If a  
20 potential heritage or cultural site were  
21 identified in the wintertime, obviously there is  
22 limited availability to do any type of excavation  
23 or investigation typical to archeological  
24 investigations. So the area is buffered off, and  
25 construction proceeds around it, and the area is

1 investigated as soon as possible in the spring.

2 MR. BEDDOME: So there is an ability  
3 then, if I'm understanding it correctly, to  
4 basically work around identified sensitive sites,  
5 to put the towers -- or to complete the clearing,  
6 as the case may be, in other areas, and then  
7 return to it at a later date; that's what you are  
8 saying. Correct?

9 MR. MATTHEWSON: That is the case in  
10 some instances, yes.

11 MR. BEDDOME: Would I be correct in  
12 assuming that that might create some risk to the  
13 schedule, though?

14 MR. MATTHEWSON: Yes, there is a  
15 potential risk to schedule. Manitoba Hydro takes  
16 a variety of different steps to manage that risk.

17 MR. BEDDOME: Thank you.

18 Actually, in Round 2, although it was  
19 considered earlier, it is a continuation,  
20 SCO IR 15, I will have you refer to that one.

21 And I will summarize it as you find  
22 the page, and see if you can agree with me.

23 I want to thank Manitoba Hydro for  
24 answering this information request, and they give  
25 a specific example of how Manitoba Hydro might



1 deal with a certain situation.

2 So in this case, along a right-of-way,  
3 several prayer trees were discovered. And  
4 eventually the local indigenous community was  
5 notified. Elders were identified for a ceremony.  
6 A ceremony was performed, and Manitoba Hydro was  
7 allowed to proceed with its clearing of its  
8 right-of-way.

9 You see that in SCO 15, and I've  
10 accurately summarized what that information  
11 request says?

12 MR. MATTHEWSON: I want to clarify: I  
13 believe that's in PFN IR 037?

14 MR. BEDDOME: No, SCO IR 15, in  
15 Round 2. The Round 1 question, just to give you  
16 the background, Hydro confirmed it would allow  
17 culturally appropriate ceremonies to take place if  
18 a sensitive site was uncovered. And we asked for  
19 a specific example, and you gave a very good  
20 specific example here, and I want to thank you for  
21 including it, and just wanted to refer you to it.

22 MR. MATTHEWSON: I'm still having a  
23 hard time finding -- I'm looking at SCO IR 015,  
24 and the question is: "Will local indigenous  
25 people be provided the opportunity to perform

1 culturally appropriate ceremonies with regards to  
2 any indigenous archeological sites that might be  
3 unearthed?"

4 MR. BEDDOME: Yeah, you're looking at  
5 Round 1 questions. Then there was a follow-up  
6 question in Round 2.

7 MR. MATTHEWSON: Do you have the IR  
8 for that? And I can...

9 MR. BEDDOME: I didn't print it out; I  
10 have it digitally. It is the Round 2 SCO IR 15; I  
11 apologize for that.

12 MR. MATTHEWSON: So that is  
13 SCO IR 037, I believe: "Please provide a real  
14 world example."

15 MR. BEDDOME: You are right. I  
16 apologize. Sorry, Mr. Matthewson. That was my  
17 confusion; please forgive me. The reference is  
18 SCO IR 15.

19 But you see that there, and I  
20 accurately summarized one example of how you dealt  
21 with, in this case, prayer trees. Correct?

22 MR. MATTHEWSON: Yes, we have one  
23 example here of how we worked with local  
24 indigenous communities when prayer trees were  
25 discovered.

1 MR. BEDDOME: And I want to thank you  
2 for that.

3 But then my question would be, who in  
4 Manitoba Hydro, either consultants or employees,  
5 would be able to determine what is a prayer tree  
6 and what is not a prayer tree?

7 I mean, certainly I get to work with  
8 indigenous people; I'm humbled every day, but I  
9 don't pretend in any way I could identify a prayer  
10 tree. So my question is, who has the expertise in  
11 Manitoba Hydro to be able to identify these  
12 sensitive sites such as this example of the prayer  
13 trees?

14 MR. MATTHEWSON: So, we have a variety  
15 of mechanisms by which prayer trees or prayer  
16 cloths are identified, and the training.

17 So Manitoba Hydro conducts a cultural  
18 and heritage resource training with its  
19 contractors and staff. Part of that training is  
20 identification of potential cultural and heritage  
21 resource sites, and that training is provided by a  
22 project archeologist, who is a consultant to  
23 Manitoba Hydro.

24 Also Manitoba Hydro, on the Bipole III  
25 project, has environmental monitors who are from

1 local indigenous communities, so they are also a  
2 source of knowledge and identification of these  
3 prayer cloths and prayer trees.

4 MR. BEDDOME: So you are going to have  
5 environmental monitors from indigenous communities  
6 for the Manitoba-Minnesota Transmission Project as  
7 well? Indigenous representatives from those  
8 communities that will serve as environmental  
9 monitors to identify these locations?

10 MR. MATTHEWSON: We have had  
11 discussions with indigenous communities about an  
12 indigenous community monitoring working group, of  
13 which there may be an environmental monitor on  
14 site during the construction activities to -- and  
15 one of their tasks would be to observe these types  
16 of cultural sites.

17 MR. BEDDOME: Okay. Now let's assume  
18 we have the same example, where some prayer trees  
19 are located, but after discussion with the  
20 community, the elders refuse to give it their  
21 blessing; they are not willing to give you the  
22 right to proceed with the right-of-way.

23 In this case, they did give the  
24 blessing. What happens if they didn't give the  
25 blessing? What would Manitoba Hydro's approach be

1 then?

2 Let me put it a different way: Would  
3 you consider re-routing the project to go around  
4 those sacred prayer trees?

5 MR. MATTHEWSON: I guess,  
6 hypothetically, similar to an easement, if we  
7 didn't receive an easement, that was a line of  
8 questioning. There is a variety of different  
9 mitigation measures that Manitoba Hydro can put in  
10 place before we would get to any point of  
11 re-routing a transmission project.

12 MR. BEDDOME: What mitigation measures  
13 would you put in place before you would consider  
14 re-routing?

15 MR. MATTHEWSON: There could be tower  
16 placement -- mitigations, there may be tower  
17 height mitigation measures to allow the retention  
18 of those trees, and we may be able to manage those  
19 trees through a simple pruning of a few of those  
20 branches that violate the limits of approach.

21 MR. BEDDOME: But if the response you  
22 got from the community and from the elders in that  
23 community was that they didn't want you to prune  
24 those trees, that they felt that running a Hydro  
25 line over top of them would ruin the sacred,

1 spiritual nature of those trees, would Manitoba  
2 Hydro then be willing to consider re-routing?

3 MR. MATTHEWSON: So, Manitoba Hydro,  
4 in its development of transmission projects over  
5 the last five years, with the Bipole project and  
6 the Lake Winnipeg East, we haven't run across that  
7 scenario that you are describing to me, so I can't  
8 comment on what ultimately we would end up doing.

9 MR. BEDDOME: Fair enough. And just  
10 one followup question on that: It is fair to say  
11 that after the Bipole III licence was issued,  
12 several route alterations were subsequently  
13 approved. Correct?

14 I believe, if you want, you could  
15 check the public registry.

16 MR. MATTHEWSON: Yes, subsequent to  
17 the issuance of the licence, there were  
18 alterations as a result of Clean Environment  
19 Commission recommendations, as well as other  
20 reasons.

21 MR. BEDDOME: Yeah, there were other  
22 alterations made, even after the licence was  
23 issued, after the CEC issued its recommendations,  
24 subsequently, as you went through the Bipole III  
25 project, it became necessary to request, and you

1 did in fact receive a number of alterations. That  
2 would be correct, right?

3 MR. MATTHEWSON: That's correct. When  
4 new information became available, we did have to  
5 alter a route.

6 MR. BEDDOME: Now, I think what I will  
7 take you to next, Mr. Matthewson, is --

8 THE CHAIRMAN: This is -- sorry to  
9 interrupt here, Mr. Beddome. It is Serge  
10 Scrafield, Chair.

11 We are just past a half hour. My  
12 notes actually had said 20 minutes, but given the  
13 discussion at the start, I gave some leeway there.  
14 How much longer are you going to be here?

15 MR. BEDDOME: I do apologize that we  
16 are at a half an hour. I think I would take -- I  
17 don't have a lot of further questions, but  
18 probably 10 or 15 minutes further.

19 I would note, Mr. Chair, that there  
20 have been a number of deliberations, and while I  
21 appreciate the panel needs to get their  
22 information correct, that may be part of the  
23 reason for the extra time today.

24 THE CHAIRMAN: We are going to allow  
25 10 to 15, but at that point, we will move on to

1 the next questioner. Thanks.

2 MR. BEDDOME: Fair enough, Mr. Chair.

3 I just want to put it on the record,  
4 though, that other participants that went earlier  
5 have had longer periods of time, and I did  
6 indicate to the secretary that I anticipated about  
7 an hour for each of my cross-examinations.

8 But as I said, I -- let me move on, so  
9 I can quickly get my cross-examination completed.

10 THE CHAIRMAN: Go ahead.

11 MR. BEDDOME: It is at Slide 20 of  
12 your presentation, Mr. Matthewson, if you wouldn't  
13 mind putting that up on the screen.

14 MR. MATTHEWSON: Which presentation?  
15 Today or Thursday?

16 MR. BEDDOME: Today's presentation.  
17 That's the IVM, the integrated vegetative  
18 management presentation. That's your graph that  
19 shows herbicide use.

20 MR. MATTHEWSON: This one?

21 MR. BEDDOME: No, one back. There you  
22 go.

23 Now, in your presentation today, you  
24 indicated that this shows a decrease over time.  
25 I'm going to go back to my undergrad in economics



1 and challenge you, and say that there really isn't  
2 much of a trend to this graph at all. Would you  
3 not agree?

4 MR. MATTHEWSON: The trend -- the  
5 graph is, as far as the active ingredient per  
6 kilogram per hectare, is fairly flat for the 2005  
7 to 2013. There was a rise in 2013, '14, '15, and  
8 then a dramatic decrease in 2016.

9 MR. BEDDOME: And you went over that;  
10 that's about the new active ingredient formulation  
11 that you used, and subsequently that's why 2016 is  
12 so low. But your projection of a downward trend  
13 is very much dependent on your new formulation  
14 that you've been using in 2016, and I could almost  
15 even argue that 2016 is an outlier. Would you not  
16 agree?

17 MR. MATTHEWSON: The results of the  
18 use of that new active ingredient have been very  
19 successful to date, so Manitoba Hydro fully  
20 expects to continue to use that formulation moving  
21 forward.

22 MR. BEDDOME: Are you able to comment  
23 further on what this new magic formula is, and  
24 what makes it so special?

25 MR. MATTHEWSON: The product is called

1 DuPont Navius VM Herbicide.

2 MR. BEDDOME: Sorry, VM herbicide?

3 MR. MATTHEWSON: Yes. Navius,

4 N-A-V-I-U-S?

5 MR. MATTHEWSON: Correct.

6 MR. BEDDOME: Okay. Thank you.

7 And what were you using before? You  
8 mentioned that the formulation before that used a  
9 much higher amount of active ingredients, and  
10 that's why we have a high point at 2014 and 2015.

11 THE WITNESS: That was Dow  
12 AgroSciences ClearView Herbicide.

13 MR. BEDDOME: So why do they need to  
14 use so much more for the Dow Agro, versus the  
15 DuPont? Forgive me; I'm just trying to get an  
16 understanding of the differences between the two,  
17 and what would be the relative advantages and  
18 disadvantages from Manitoba Hydro's perspective?

19 MR. MATTHEWSON: The two products use  
20 different active ingredients, and as far as the  
21 specificity of the different chemicals and their  
22 different modes of action, I can't comment on  
23 that.

24 MR. BEDDOME: Okay.

25 Now, going into your IVM presentation,

1 you have a bunch of slides, going from 22 through  
2 25, that show some right-of-ways at the end; but  
3 you also, on your front slide -- so maybe if you  
4 could go to -- let's go to Slide 25.

5 The reason I'm showing the two  
6 contrasts is we can see one case where we have a  
7 transmission line running across an agricultural  
8 region and another one where it's running across a  
9 treed region. That would be accurate, right?

10 MR. MATTHEWSON: Slide 25 is across a  
11 treed region, and --

12 MR. BEDDOME: And your front slide,  
13 Manitoba-Minnesota Transmission Project, that you  
14 already conveniently had up, that's a transmission  
15 line across an agricultural region, correct?

16 MR. MATTHEWSON: Correct.

17 MR. BEDDOME: You talk a little bit  
18 about the risk of trees interfering with lines,  
19 right? That creates a reliability risk; would  
20 that not be fair to say?

21 MR. MATTHEWSON: Yes, the improper  
22 management of vegetation within the right-of-way  
23 or immediately adjacent to the right-of-way.

24 MR. BEDDOME: Now, what that seems to  
25 indicate to me, though, is on agricultural land,

1 that risk is almost non-existent, going across a  
2 field. Correct?

3 MR. MATTHEWSON: Correct. There are  
4 no vegetation management risks across the field.  
5 There are other environmental considerations.

6 MR. BEDDOME: Fair enough. But from a  
7 reliability perspective, would it be fair to say  
8 that reliability is enhanced by running through  
9 agricultural regions rather than through treed,  
10 forested regions?

11 MR. MATTHEWSON: No, that's incorrect.

12 MR. BEDDOME: And why would that be?

13 MR. MATTHEWSON: As I mentioned, there  
14 are a variety of other factors that come into play  
15 with agricultural operations, i.e. such as  
16 collisions with the towers.

17 MR. BEDDOME: So Hydro has quantified  
18 the risks and has sort of done a comparative  
19 analysis therefore?

20 MR. MATTHEWSON: Not that I'm aware  
21 of. There are a variety of other risks, as we  
22 mentioned, and talked about the weather study and  
23 tornadoes; those apply across both landscapes.

24 There is a wide variety of reliability  
25 risks that are taken into account by the system

1 planners, as Mr. Swatek...

2 MR. BEDDOME: Fair enough. I'm just  
3 confirming that yours isn't coming from a  
4 quantitative study, but is rather coming from your  
5 own anecdotal experience as transmission vice  
6 president; would that be accurate?

7 MR. MATTHEWSON: I'm not the vice  
8 president of transmission.

9 MR. BEDDOME: Oh, sorry. Correct me;  
10 I apologize for getting your title wrong. My  
11 mistake. Let me rephrase that and be clear about  
12 your title.

13 That's anecdotal, based on your  
14 experience as an engineer involved in transmission  
15 routing?

16 MR. MATTHEWSON: What I described to  
17 you was anecdotal. I'm not an engineer, and  
18 Mr. Swatek can -- as described, can provide  
19 engineering numbers with respect to reliability of  
20 the criteria and the risk assessment of the...

21 MR. BEDDOME: Do you provide any  
22 compensation for use of Crown lands, like you do  
23 for use of private lands?

24 MR. IRELAND: Yes, we do. It is  
25 25 per cent of market value.

1 MR. BEDDOME: 25 per cent of market  
2 value? And that's paid to whom?

3 MR. IRELAND: Paid to the Crown.

4 MR. BEDDOME: So that would be the  
5 Province of Manitoba, generally speaking?

6 MR. IRELAND: Correct.

7 MR. BEDDOME: But you would be aware  
8 that the taking up of Crown land would have an  
9 impact on indigenous harvesters?

10 MR. IRELAND: Yeah, that's a matter  
11 for the Crown.

12 MR. BEDDOME: So that's a matter for  
13 the Crown. Okay. But you only pay the Crown  
14 one-sixth of what you would pay private  
15 landowners. Correct?

16 MR. IRELAND: Just to be clear,  
17 Manitoba Hydro doesn't determine that; that's in  
18 the Crown Lands Act.

19 MR. BEDDOME: Fair enough.

20 And recently it was announced that  
21 \$4.27 million in compensation was going to be  
22 provided to six rural municipalities; is that not  
23 correct?

24 MR. MATTHEWSON: That's correct.

25 MR. BEDDOME: But there is no similar

1 compensation package for First Nations  
2 communities?

3 MR. MATTHEWSON: That isn't a  
4 compensation package. And as Ms. Zebrowski  
5 described in the indigenous and Metis engagement  
6 panel, she described the program that was in place  
7 for them, for indigenous peoples.

8 MR. BEDDOME: Is anyone on the panel  
9 familiar with the Regional Electricity Cooperation  
10 and Strategic Infrastructure Initiative, and is  
11 Manitoba Hydro a partner in that initiative?

12 MR. MATTHEWSON: No one on the panel  
13 is familiar with that.

14 MR. BEDDOME: I will return to that,  
15 maybe to a different panel.

16 I think that concludes all of my  
17 questions, Mr. Chair. I very much appreciate the  
18 panel's time as well.

19 THE CHAIRMAN: Thank you. And I want  
20 to add, we also appreciate your timeliness, and  
21 that of the previous questioner. Thank you.

22 All right. That brings us to our last  
23 intervenor of the -- or questioning of this panel  
24 for the afternoon, and that will be Peguis First  
25 Nation, represented by Mr. Valdron.

1 MR. VALDRON: Thank you very much.

2 For the monitor, my name is Den Valdron,  
3 representing Peguis First Nation.

4 And you will be glad to know I only  
5 have a very few questions. My plan is simple.  
6 I'm going to ask simple, straightforward  
7 questions; you will give me simple,  
8 straightforward answers. It will be quick; no one  
9 gets hurt.

10 All right. Starting off, I heard some  
11 discussion of contracting strategies with respect  
12 to encouraging or supporting Aboriginal  
13 employment. Can you shed a little light on that?  
14 What do you mean? Is it simply you say to the  
15 contractors, "As part of your tender, you have to  
16 have so much Aboriginal employment"? Or is it a  
17 little more complicated than that?

18 MR. PENNER: One moment.

19 MR. VALDRON: Not a good sign.

20 MR. PENNER: So just to summarize from  
21 my presentation, we are splitting the project into  
22 two sections, so there will be two contracts -- at  
23 least, that's the current plan.

24 MR. VALDRON: Um-hum.

25 MR. PENNER: And we have what is known



1 as indigenous content within the contracts. And  
2 essentially we have what we refer to as minimum  
3 mandatory First Nation and Metis content targets.  
4 And so those apply to employment, and --

5 MR. VALDRON: So those are the targets  
6 that you put in your tenders?

7 MR. PENNER: Correct.

8 MR. VALDRON: Okay. Is there any  
9 distinction made between Metis and First Nations?

10 MR. PENNER: In terms of the content?

11 MR. VALDRON: Yes.

12 MR. PENNER: On Bipole III contracts,  
13 we used the term "indigenous," and did not  
14 distinguish between First Nation and Metis  
15 content.

16 MR. VALDRON: And on this one?

17 MR. PENNER: We have not completely  
18 determined how we are going to do it at this  
19 point, but we may refer to First Nation and Metis,  
20 and have content specific for First Nation and  
21 specific for Metis.

22 MR. VALDRON: You haven't determined  
23 that yet, though?

24 MR. PENNER: No.

25 MR. VALDRON: Okay. What is your

1 minimum target?

2 MR. PENNER: The mandatory minimums?

3 MR. VALDRON: Yes.

4 MR. PENNER: On Bipole we used  
5 15 per cent mandatory minimum.

6 MR. VALDRON: That's 50, or 15?

7 MR. PENNER: One-five.

8 But we also had incentives within the  
9 evaluation matrix of the contract to incentivize  
10 up to 30 per cent.

11 MR. VALDRON: So with respect to this  
12 one, this project, what is your minimum target?

13 MR. PENNER: So based on our  
14 experience on Bipole, we are looking to utilize  
15 20 per cent of indigenous content for these  
16 contracts.

17 MR. VALDRON: When you say you are  
18 looking, that means you haven't actually  
19 established your minimum target yet, but you are  
20 looking at 20 per cent?

21 MR. PENNER: Well, we did 15 with  
22 Bipole. We had good success, the numbers, with --  
23 and this was again on the last three contracts.

24 MR. VALDRON: Um-hum. You think you  
25 can do better?

1 MR. PENNER: And the contractors --  
2 sorry?

3 MR. VALDRON: You figure you can do  
4 better?

5 MR. PENNER: Well, the contractor that  
6 we engaged kind of utilized the incentive to go  
7 above, and they showed above -- the content above  
8 the 15 per cent. So we think that 20 is a  
9 reasonable target to achieve and to do.

10 MR. VALDRON: Okay. You've referred  
11 to incentives a couple of times; can you explain  
12 incentives? Because this seems to be over and  
13 above the minimum target.

14 MR. PENNER: Yes, it is.

15 MR. VALDRON: How does that work?

16 MR. PENNER: Well, when a contractor  
17 submits a price for a contract, essentially, when  
18 a contractor submits that price, they have to list  
19 out what kinds of indigenous content they are  
20 going to be involved -- so whether it is  
21 employment or subcontracting, those have to be  
22 listed out, essentially, by dollar value.

23 At the mandatory minimum, on Bipole it  
24 was 15, there wasn't additional incentive beyond  
25 that. They had to meet that. So every contractor

1 had to meet that.

2 Above that, there was essentially a  
3 dollar-for-dollar calculation to say that if they  
4 were spending -- let's say they were spending  
5 \$1,000 on indigenous content; that would be  
6 removed from their price in the scoring, so that  
7 they get a benefit in the scoring, based on the  
8 amount of indigenous content that they had.

9 I believe -- just one second.

10 So if they showed -- if they showed --  
11 let's just use a round number of \$1,000. Then  
12 they would get credit for \$800. Essentially,  
13 their price would be reduced by \$800 for the  
14 scoring. And that would then compare them --  
15 essentially it is a 80 per cent incentive. So if  
16 they can bring indigenous content -- whether  
17 that's through labour, employment, whether it is  
18 training or subcontracting -- they essentially get  
19 to bring that in, and they get a better score in  
20 the evaluation.

21 I mean, we still pay -- when we select  
22 a contractor, we still pay the price that we award  
23 to. But that's how we incentivize within the  
24 best-value framework.

25 MR. VALDRON: Okay. So then the

1 incentive is built into the decision-making  
2 process?

3 MR. PENNER: Yes.

4 MR. VALDRON: Good. I like that  
5 answer. Simple.

6 All right. Now, you said that it  
7 could be subcontracts for labour or something  
8 else, and so I take it there is no distinctions  
9 made within the incentivization as to what kinds  
10 of indigenous contribution there is; would that be  
11 correct?

12 MR. PENNER: I'm sorry, I can't give a  
13 yes-or-no answer to it; I'm trying to explain it  
14 as best I can.

15 The content is essentially equally  
16 weighted. However, there were additional minimum  
17 targets for employment as well. So we looked at  
18 employment, we looked at subcontracting, and  
19 on-the-job training opportunities, as well as  
20 supply of material for those contracts. But they  
21 were equally weighted, dollar for dollar.

22 But there was also employment  
23 thresholds as well.

24 MR. VALDRON: Okay. So equally  
25 weighted, dollar for dollar; but when you say

1 there was also a particular target for employment  
2 thresholds, are you going back to that minimum  
3 standard? Or are we talking about something else?

4 MR. PENNER: Minimum standard. Yeah,  
5 the minimum.

6 MR. VALDRON: Okay. So as long as  
7 they make the minimum standard in their contract,  
8 anything else above that which goes to incentives,  
9 there is no distinctions made?

10 MR. PENNER: There is no distinction  
11 made as to whether it is employment or whether  
12 it's subcontracting? Is that what you are asking?

13 MR. VALDRON: Or training,  
14 supplying --

15 MR. PENNER: Yes. Well, we look at it  
16 as indigenous content at that point. And it is  
17 treated the same.

18 MR. VALDRON: Okay.

19 I'm curious: How do you establish  
20 that minimum target? I'm kind of vague on that.  
21 Yes, you said 15 per cent for Bipole, and that  
22 worked out well; and now you are looking at  
23 20 per cent.

24 And that's positive; you know, it is  
25 an increase. We like that, maybe we would like

1 more, but -- how do you arrive at 20 per cent? Is  
2 it just kind of ballparking?

3 MR. PENNER: No.

4 MR. VALDRON: Okay.

5 MR. PENNER: On Bipole, we met with a  
6 number of First Nations and with the MMF, and we  
7 had these dialogues and discussions around  
8 content, and we established -- we looked at the  
9 content, the types of work that's available, the  
10 types of subcontracting that could be there, and  
11 it was -- I would say it was a mutually agreed  
12 amount that we came upon.

13 MR. VALDRON: Okay. So have these  
14 conversations or dialogues been happening right  
15 now with this project yet?

16 MR. PENNER: Not on this project, no.

17 MR. VALDRON: Right now, then, when we  
18 say 20 per cent, that's your ballpark estimate;  
19 but when the conversations or dialogue happens, it  
20 could well be higher or lower?

21 MR. PENNER: Well, again, we would  
22 set -- what we've looked at is setting a  
23 20 per cent minimum threshold, and then including  
24 that incentive target to increase above that, so  
25 that hopefully that we get that kind of target, or

1 we get numbers above the 20 per cent from the --  
2 our contractors.

3 MR. VALDRON: The incentive part?

4 MR. PENNER: Yes.

5 MR. VALDRON: But in terms of the  
6 threshold, you've already established that as  
7 20 per cent?

8 MR. PENNER: That's our current plan,  
9 yes.

10 MR. VALDRON: So how do you pick  
11 20 per cent?

12 MR. PENNER: 20 per cent, I guess it's  
13 a -- when we looked at the numbers where Bipole  
14 achieves, when you look at the overall  
15 component --

16 MR. VALDRON: Yes, yes. I don't want  
17 to argue with you. You did talk about Bipole and  
18 how the number for Bipole was achieved.

19 MR. PENNER: Yes.

20 MR. VALDRON: And that was through a  
21 process of consultation and communication --

22 MR. PENNER: Yes.

23 MR. VALDRON: -- very good. Like  
24 that. But in this case, there is no process of  
25 consultation and communication; you are just



1 getting the 20 per cent. How do you get that  
2 number?

3 MR. PENNER: I think it does come back  
4 to looking at the tenders from Bipole, looking at  
5 our results from Bipole, that we've established  
6 that 20 per cent is a reasonable mandatory  
7 minimum. And, you know, we certainly expect that  
8 we will be at 20 per cent and better.

9 MR. VALDRON: Okay. So then your  
10 answer, as I understand it -- and look, I'm not  
11 trying to trick you at all; okay?

12 MR. PENNER: Yes.

13 MR. VALDRON: We all just want to get  
14 on to Ms. Coughlin's stuff. Fine with me. I just  
15 want simple answers.

16 So basically, then, your answer is  
17 that on Bipole, you developed a target of  
18 15 per cent. You figure you can do better; you've  
19 picked 20 per cent.

20 MR. PENNER: Sure.

21 MR. VALDRON: I'm not badgering you,  
22 am I?

23 MR. PENNER: I don't know.

24 MR. VALDRON: Okay.

25 MR. PENNER: I think -- you know,

1 we've looked at the numbers in Bipole; we looked  
2 at our targets; we feel that we can achieve  
3 more -- I think I'm actually repeating exactly  
4 what you said -- we've looked at 20 per cent as a  
5 minimum mandatory target. And we will include  
6 incentives to go beyond, but that's the number  
7 that we are at.

8 Now, it is something that we are going  
9 to be putting into our tenders, but at this point,  
10 this is where our current plan is at.

11 MR. VALDRON: Yeah. And this  
12 20 per cent, the incentives, all of this goes into  
13 your tenders; it goes into your scope of work, or  
14 whatever, that people get to bid on?

15 MR. PENNER: Yes.

16 MR. VALDRON: So when the tender comes  
17 out, we can look it up and go, "Okay, this is what  
18 they are doing."

19 MR. PENNER: Yes, you can look at the  
20 tenders when they come out, yes.

21 MR. VALDRON: All right.

22 Just for the record, is there any  
23 specific preference extended to First  
24 Nations-owned companies?

25 MR. PENNER: So First Nation-owned

1 companies would be considered indigenous  
2 companies, and they would have -- they would be  
3 part of that preference.

4 MR. VALDRON: Okay. So there is no  
5 special preference, but by nature, as a First  
6 Nation-owned company, if they are applying, then  
7 they are definitely getting that 20 per cent, and  
8 they are definitely going to make most of the  
9 incentives; but they will be on the same criteria  
10 as everyone else?

11 MR. PENNER: Are you talking about the  
12 prime contractor that bids on the project, if they  
13 are indigenous-owned?

14 MR. VALDRON: Yes.

15 MR. PENNER: Yeah, they would be on  
16 the same playing field, following the same matrix.  
17 Correct.

18 MR. VALDRON: Okay.

19 Now, I wondered about subcontracting.  
20 And actually, before I get into that, just one  
21 more -- just to nail something down.

22 So this is going to be basically two  
23 contracts.

24 MR. PENNER: Correct.

25 MR. VALDRON: Two public tenders.

1 MR. PENNER: Yes.

2 MR. VALDRON: Same rules for both of  
3 them.

4 MR. PENNER: In the public tenders?

5 MR. VALDRON: Yes.

6 MR. PENNER: Yes.

7 MR. VALDRON: Good. With respect to  
8 subcontracting, that's -- I was wondering how that  
9 was going to be effective, since you wouldn't have  
10 any direct input into subcontractors. So that  
11 would be part of the original tender, the --  
12 whoever the general contractor is offering a  
13 tender will say, "I'm going to have subcontracts;  
14 these are going to be who my subcontracts are."

15 And you would be able to look at it at  
16 that point?

17 MR. PENNER: And that's where the  
18 incentives work out, is that in that information,  
19 we ask to find out their targets, if they are  
20 going to be bringing on indigenous content and  
21 indigenous subcontractors, and we will do all that  
22 evaluation, and it is an evaluation of the quality  
23 of the submission as well.

24 MR. VALDRON: Um-hum. Okay. So this  
25 is very nice. How do you verify it?

1 MR. PENNER: How do I verify...?

2 MR. VALDRON: Well, not you  
3 personally, but how does Manitoba Hydro verify  
4 indigenous hiring and that the company has  
5 actually followed through on their tenders?

6 MR. PENNER: We do ask for hiring  
7 forms, and -- for every employee that goes on to  
8 the project. And that's -- so we track the  
9 employment that way.

10 And then we will also get the  
11 information from them in terms of the indigenous  
12 subcontractor that they are utilizing.

13 MR. VALDRON: And when you say "hiring  
14 forms", this would include the identity of the  
15 hire, the ethnicity, the particular job they  
16 worked for, how long they worked, et cetera?

17 MR. PENNER: Well, it would -- they  
18 would -- yeah --

19 MR. VALDRON: How much information?

20 MR. PENNER: The information would  
21 include where they are from, so we would know if  
22 they were Manitoba, we would know from which First  
23 Nation, whether they're status or non-status or  
24 Metis.

25 And it wouldn't identify how long

1 they've worked, because we would get that when  
2 they start.

3 MR. VALDRON: Okay.

4 MR. PENNER: And that would be -- just  
5 hang on.

6 So there is a hiring form, and there  
7 is a separation form. You know, the project will  
8 start, and they will be working, and it is not  
9 work that lasts for years and years. You may have  
10 an individual that starts in the project and may  
11 work for three or four months and then leaves the  
12 project. So we will get a time, a point in time  
13 when they started and when they end. And we track  
14 all of that.

15 MR. VALDRON: Okay. I was --

16 MR. PENNER: For every employee.

17 MR. VALDRON: Thank you. I was very  
18 curious about that, and that's a very good answer.

19 Now, here is a question for you --  
20 well, actually, while I've got you here, does this  
21 apply to subcontractors as well?

22 MR. PENNER: Yes, I believe. Every  
23 employee on the project.

24 MR. VALDRON: So if a person is  
25 employed by a subcontractor, you get the hire and

1 you get the departure as well?

2 MR. PENNER: Correct.

3 MR. VALDRON: Good to know.

4 Next question: What happens if they  
5 don't meet the target?

6 MR. PENNER: So, again, I can't answer  
7 yes or no on this, but --

8 MR. VALDRON: Well, no; it wasn't  
9 really a yes-or-no question.

10 MR. PENNER: Yes, I know; I'm just --  
11 I'm just trying to keep it light.

12 MR. VALDRON: I'm listening. Go.

13 MR. PENNER: And on Bipole, which is  
14 the first time that we've used mandatory minimums,  
15 we haven't encountered a situation yet where they  
16 haven't met their targets, because they are  
17 exceeding their targets. Which is a good thing.

18 MR. VALDRON: It is.

19 MR. PENNER: But we do have the  
20 ability to withhold payments if they are not  
21 meeting any of their targets with regards to the  
22 environment, or they are not submitting their  
23 paperwork, if they are not turning in those forms  
24 that come in for hiring and for separation, or if  
25 other paperwork that they are not submitting, we

1 have the ability to withhold payment from the  
2 contractor written right into the terms of the  
3 contract.

4 MR. VALDRON: You are saying that  
5 potentially, or theoretically, you could withhold  
6 payment if they, on an ongoing basis, are not  
7 meeting their commitments for average minimums and  
8 whatever incentives they have put in?

9 MR. PENNER: That's right.

10 MR. VALDRON: It hasn't happened yet,  
11 so you don't know if you would?

12 MR. PENNER: It hasn't happened on  
13 indigenous content. Certainly we have had  
14 situations where they haven't completed all of  
15 their paperwork, and we have held back a  
16 percentage of a monthly payment until they have  
17 the paperwork submitted. It works extremely well  
18 to make sure that the paperwork gets completed,  
19 and I think it will work well if they ever get to  
20 a situation where they are not meeting their  
21 content as well.

22 MR. VALDRON: So you do have that  
23 leverage. Okay.

24 Now, with respect to Aboriginal  
25 preference and incentives, would this apply to



1 ongoing management?

2 MR. PENNER: Can you say that again?

3 MR. VALDRON: Would this apply to  
4 ongoing management? Or is that all going to be  
5 in-house?

6 MR. PENNER: When you say "ongoing  
7 management", are you talking about operations of  
8 the transmission line?

9 MR. VALDRON: Yes, and basically the  
10 clearing.

11 MR. PENNER: So, we have a variety of  
12 different things we do for brushing activities on  
13 our existing transmission. And we certainly work  
14 with First Nations in northern areas, where most  
15 of our transmission lines are, around these kinds  
16 of things. We haven't in the past done a specific  
17 mandatory minimum indigenous content on these  
18 contracts, but many times we are working directly  
19 with indigenous or First Nations groups,  
20 especially when the lines are very near to those  
21 specific locations.

22 So we have a variety of things that  
23 happen at Manitoba Hydro around indigenous content  
24 on operations.

25 MR. VALDRON: Okay. So there is no --

1 you've just got a little note there; did you want  
2 to amend your response?

3 MR. PENNER: So we were speaking  
4 specifically about brushing, and the note that was  
5 handed to me just refers to that we also do  
6 linework that's not brushing, and that's  
7 maintenance work.

8 MR. VALDRON: Right.

9 MR. PENNER: And that's typically done  
10 in-house, and we have -- about 30 per cent of our  
11 line trades are indigenous. So a lot of that work  
12 is done in-house. That's what the note refers to.

13 MR. VALDRON: With respect to brush  
14 clearing and keeping the route cleared, that's  
15 done through contracts? Or is that done in-house?

16 MR. PENNER: It is a mixture. It is  
17 definitely a mixture. Yes.

18 MR. VALDRON: In terms of -- when it  
19 is done through contracts, there is no specific  
20 policy for Aboriginal content, per se?

21 MR. PENNER: Again, it's a mixture of  
22 situations, depending where we are and what has  
23 been done in the past. So it is varied. And we  
24 don't have a specific policy for this transmission  
25 line, specifically.

1                   We typically go out -- for some of the  
2 southern work, we typically go out with blanket  
3 contracts, for multiple years, to clear specific  
4 zones in the province. And I wouldn't say there  
5 are specific indigenous content in those blanket  
6 contracts. But that's something that we can  
7 certainly discuss.

8                   MR. VALDRON: I think my client would  
9 be happy to discuss it.

10                   I hate to do this to you, but -- any  
11 reason why? I mean, we have these tenders, and  
12 you've basically established your Aboriginal  
13 content minimums; you've established your  
14 incentives. And we are looking at another bunch  
15 of contracts, potentially, and you're going, "We  
16 don't have a policy for these, one way or the  
17 other."

18                   Any reason why? Is it just that it  
19 hasn't come up, or you haven't turned your  
20 attentions to it? Or was there some specific  
21 reason that you wanted to do these differently?

22                   MR. PENNER: I think the best way to  
23 answer that question is to say that in the south,  
24 we haven't had a lot of veg. management work in  
25 the last number of years; and in the north, we

1 have a significant amount of veg. management, and  
2 a lot of it has been working together with  
3 indigenous communities that are local to given --  
4 or to specific areas.

5           So we've -- this past winter, we did  
6 some restricted tenders for areas and allowed  
7 different -- allowed access for different First  
8 Nations to bid on the work, and ended up taking  
9 that and splitting the tenders so that the  
10 different First Nations could work on some of  
11 those clearing opportunities.

12           So these processes are evolving. And  
13 we are certainly learning from Bipole, and I would  
14 say that we are moving towards a place where we  
15 have very good content on all of this work.

16           MR. VALDRON: Okay. Just to be clear,  
17 when you are talking about restricted tenders, you  
18 are talking about the experiences up north?

19           MR. PENNER: Yes. Certainly in the  
20 north we have a lot more tree growth than we have  
21 on transmission lines in the south.

22           MR. VALDRON: Okay. Excellent.

23           Now, moving on to construction, and  
24 the mitigation measures. This is going to  
25 probably be a silly no-brainer question, but

1 sometimes as lawyers we have got to ask these  
2 things anyway.

3                   There is a reference to the 7-metre  
4 zone. And I believe, listening to you, that  
5 7 metres was defined by the ability of the feller  
6 buncher. Is that correct?

7                   MR. MATTHEWSON: Yes, the 7-metre  
8 no-machine zone is a number that is correlated to  
9 the arm length of a feller buncher. The numbers  
10 come from Manitoba Sustainable Development's  
11 riparian management guidelines.

12                   MR. VALDRON: So it is a number that's  
13 defined by the machine itself, and if the feller  
14 buncher's reach was only 4 metres, then you would  
15 have a 4-metre no-machine zone, and if it was a  
16 10-metre reach, you would have a 10-metre  
17 no-machine zone?

18                   MR. MATTHEWSON: Not necessarily. The  
19 no-machine zone is also correlated to the slope  
20 adjacent to the riparian areas, and the nature of  
21 the riparian area.

22                   MR. VALDRON: But assuming no other  
23 variations on the slope -- I just want to  
24 establish it is driven by the machine, not by any  
25 special or obscure environmental consideration?

1                   It is not a trap; it is just a  
2 clarification.

3                   MR. MATTHEWSON: The 7 metres allows  
4 for a piece of equipment like a feller buncher to  
5 reach in to remove trees from the riparian area.

6                   It has been our experience that a  
7 feller buncher is a very low-impact vehicle by  
8 which to remove those trees out of the riparian  
9 area, so it is an environmental consideration as  
10 well.

11                  MR. VALDRON: And the feller buncher  
12 is the best machine for this kind of work?

13                  MR. MATTHEWSON: It is one of the best  
14 machines for this type of work. There are other  
15 methods, but a feller buncher is very suitable,  
16 and very available in Manitoba.

17                  MR. VALDRON: Are there other machines  
18 that are similar that have more reach?

19                  MR. MATTHEWSON: Not typically. There  
20 may be some types of single-grip harvesters that  
21 can reach that far, but I'm not entirely familiar  
22 with all the pieces of equipment available in  
23 Manitoba.

24                  MR. VALDRON: It has been a while  
25 since I went out and cut trees, and I guess same

1 for you guys, so that's okay; I'm not going to  
2 hold you to it. I might ask my clients about it,  
3 though.

4 All right. Lands and resource use.  
5 Now, I don't want to sound like I'm making a  
6 speech here, but obviously, for my clients,  
7 maintaining access is an important thing. So we  
8 are curious, because I didn't actually hear it in  
9 your presentation: Are there provisions to notify  
10 Aboriginal users when and where construction is  
11 scheduled, so they can work around it and make  
12 decisions?

13 I didn't hear that. Like, is there  
14 provision for emails, faxes to band staff, some  
15 formal notification?

16 Because from our point of view, this  
17 is kind of important. I mean, you think about it:  
18 They are coming from Winnipeg, coming from Peguis.  
19 Going out to a harvesting area, that might be two  
20 or three hours. You are investing a whole day to  
21 get there. And if you are getting there and there  
22 has just been construction, or construction is  
23 happening, or construction is about to happen,  
24 well, it can ruin the whole day; possibly can ruin  
25 the whole expedition.

1                   So my clients would really have a  
2 vested interest in wanting to know when and where,  
3 and having a good clean flow of information that  
4 they could access, so they could plan around it.

5                   They might choose to postpone or  
6 advance a trip; they might choose to go to other  
7 areas. But depending on communications. I wasn't  
8 hearing that. Have you got provisions for that?

9                   MR. MATTHEWSON: Yes, there are  
10 numerous provisions for that in a variety of  
11 different parts of the EIS that describe that.

12                   Manitoba Hydro's ongoing First Nations  
13 and Metis engagement process is one of those  
14 mechanisms by which we continue to engage with the  
15 communities and make them aware of construction  
16 activities as we progress towards the construction  
17 start.

18                   As part of the access management plan,  
19 there is a variety of notifications and  
20 advertisements in papers and brochures mailed out  
21 to make the First Nations and Metis and general  
22 public aware of the construction activities and  
23 the schedule of activities throughout the entire  
24 project.

25                   MR. VALDRON: So there will be



1 specific notifications of specific activities, in  
2 terms of time and place, provided to the First  
3 Nation to give to its members?

4 MR. MATTHEWSON: Yes, there is  
5 detailed information about the construction  
6 schedule and the locations of construction  
7 activities.

8 MR. VALDRON: Including updates?

9 MR. MATTHEWSON: Yes.

10 MR. VALDRON: And that goes out by fax  
11 to the band offices, or email? How does that  
12 work?

13 MR. MATTHEWSON: As we work with the  
14 indigenous communities, we will work with them to  
15 determine the best mechanism by which to  
16 communicate with them. We have different methods  
17 of communication, depending on the indigenous  
18 community's perspective. We also have dedicated  
19 community liaisons at Manitoba Hydro that go and  
20 engage with communities and provide direct  
21 discussions with the communities and keep them  
22 updated throughout the entire construction  
23 process.

24 MR. VALDRON: Okay.

25 THE CHAIRMAN: Excuse me. Serge

1 Scrafield, Chair.

2 We are a little past half an hour now.  
3 How much longer do you think you will be?

4 MR. VALDRON: About six questions.  
5 I'm just going as fast as I can.

6 THE CHAIRMAN: All right. Ten to 15  
7 minutes?

8 MR. VALDRON: I don't think I will  
9 need 10 to 15.

10 THE CHAIRMAN: All right. That would  
11 be great. Thanks.

12 MR. VALDRON: And it is your fault.  
13 Not mine.

14 All right. So where was I?  
15 Biosecurity. All right.

16 I was listening; very interesting. I  
17 had the impression it was specific to developed  
18 areas, farmers' fields and so forth. Do you have  
19 similar biosecurity protocols in place for  
20 wildlands? Or if you don't have generally for  
21 wildlands, do you have the biosecurity protocols  
22 in place for indigenous identified wild harvesting  
23 areas, hunting areas, traditional use areas? Do  
24 you have the same protocols for wildlands and  
25 cultivated lands, or do you have a different set

1 of rules, or do you have no rules at all?

2 And -- man, that's -- might be too  
3 general a question. Just answer it as best you  
4 can.

5 MR. MATTHEWSON: I will -- so Manitoba  
6 Hydro does have, as described in its construction  
7 environmental protection plan, measures by which  
8 the equipment is all cleaned prior to coming to  
9 the job site, whether it be wildlands or  
10 agricultural land --

11 MR. VALDRON: Okay. So same rules  
12 there.

13 MR. MATTHEWSON: Yeah.

14 Manitoba Hydro is also, as part of its  
15 pre-construction surveys, conducting surveys for  
16 invasive species on the right-of-ways and the  
17 access roads. So identifying those, and  
18 identifying protocols by which equipment will  
19 cross those areas, or mitigation measures by which  
20 the equipment may be cleaned if it goes through an  
21 invasive species area, to mitigate the spread  
22 along the right-of-way.

23 MR. VALDRON: And that includes  
24 wildlands?

25 MR. MATTHEWSON: That's correct.

1 MR. VALDRON: Essentially you're  
2 saying the protocols for wildlands or traditional  
3 use lands are similar or identical to those for  
4 cultivated lands?

5 MR. MATTHEWSON: They are similar.

6 MR. VALDRON: Okay.

7 MR. MATTHEWSON: But not identical.

8 MR. VALDRON: Okay. What is the  
9 distinctions?

10 MR. MATTHEWSON: I think where they  
11 differ is with the soil pathogens and diseases  
12 that are collected and transported across fields,  
13 potentially, in the soil that's clumped to  
14 equipment. Those pathogens have a direct impact  
15 on canola and the clubroot, but would have very  
16 little impact on other species.

17 MR. VALDRON: Okay. So then the  
18 distinction is basically the risk factors; it is  
19 not the conduct? You do the same stuff?

20 MR. MATTHEWSON: We ensure that the  
21 equipment is clean and we are not transporting  
22 invasive plant material from location to location.

23 MR. VALDRON: Okay.

24 Now, next question is with regards to  
25 integrated vegetation management. And you talked

1 about factors such as calving seasons and  
2 migratory bird breeding. Where does this  
3 information come from? Natural Resource office?

4 MR. MATTHEWSON: The migratory bird  
5 breeding windows comes from Environment Canada.  
6 Guidance from them, and their regulatory  
7 documents. And -- sorry, grazing?

8 MR. VALDRON: Calving.

9 MR. MATTHEWSON: Oh, calving; sorry.

10 MR. VALDRON: Calving season, for deer  
11 or moose, yeah. Where does that come from?

12 MR. MATTHEWSON: That information  
13 comes from literature, as well as Manitoba  
14 Sustainable Development, in license condition  
15 form.

16 MR. VALDRON: Calving grounds: Would  
17 that also come from literature? Or...?

18 MR. MATTHEWSON: The location of  
19 specific calving grounds would have been  
20 identified through a variety of mechanisms. They  
21 could come from Manitoba Sustainable Development,  
22 through historical aerial surveys they may have  
23 conducted in the area. We may have gotten that  
24 information from traditional knowledge, ATK  
25 studies, or through our own studies conducted as

1 part of the environmental impact statement.

2 MR. VALDRON: Okay. What about  
3 Aboriginal traditional knowledge? Is that also  
4 part of your information in terms of these sorts  
5 of issues?

6 MR. MATTHEWSON: Yes, as I stated.

7 MR. VALDRON: Okay.

8 And for Aboriginal traditional users,  
9 obviously they have got quite a bit of information  
10 on where elk calve, and where they rut, and with  
11 respect to the seasons for different medicines.  
12 How do you -- like, is this comprehensive -- when  
13 you are trying to work your way around this, do  
14 you have a complete list of medicines, of wildlife  
15 plants, animals? Or are there just specific  
16 species you are concerned of?

17 MR. MATTHEWSON: The reduced risk  
18 timing windows in the environmental protection  
19 plan kind of categorize things into mammals,  
20 denning periods, calving periods for moose and  
21 caribou, elk, amphibian reptile breeding periods,  
22 the breeding bird time periods.

23 There is a variety of factors  
24 categorized in those reduced risk timing windows.

25 MR. VALDRON: I appreciate, I think

1 that we would all not want to disturb migratory  
2 birds in breeding, and the same thing with elk and  
3 deer and so forth. What -- how do you deal with  
4 conflicts? What happens if breeding periods  
5 overlap, you can't get in there; how do you  
6 wrestle around those difficulties?

7 MR. MATTHEWSON: Manitoba Hydro places  
8 additional mitigation measures in place if it  
9 needs to operate within one of those timing  
10 windows. For example, for breeding birds, that  
11 may include conducting nest sweeps along the  
12 right-of-way, prior to, say, a foundation  
13 installation, we would sweep the area looking for  
14 nests. If no nests were found, then the  
15 foundation may get installed, say, in the summer  
16 periods. If there is a nest found, then the  
17 appropriate buffers and setbacks are put in place,  
18 and those are also outlined in the Environmental  
19 Protection Plan, and prescribed by Manitoba  
20 Sustainable Development.

21 MR. VALDRON: And what if Aboriginal  
22 users notify you, for instance, that proposed work  
23 is probably not a good idea at a particular time  
24 because this may be a breeding season for some  
25 mammal, or that this is the sprouting or

1 harvesting time for a particular medicinal or wild  
2 food plant? How do you deal with it then?

3 MR. MATTHEWSON: I think through  
4 Manitoba Hydro's early engagement with First  
5 Nations and Metis and the ATK studies that were  
6 self-directed studies that were conducted. That  
7 was our first step in identifying that information  
8 early on in the planning process.

9 And as we garner more and more  
10 information, we can incorporate that into our  
11 plans where it is feasible. The -- I think it is  
12 ongoing; if there is a site-by-site specific  
13 concern, then we work with the community and  
14 discuss the nature of the concern and the  
15 different types of mitigation measures that we may  
16 be able to implement to address those concerns.

17 MR. VALDRON: You'd agree, it would  
18 have to be an ongoing thing --

19 MR. MATTHEWSON: Yes.

20 MR. VALDRON: -- in terms of  
21 Aboriginal engagement?

22 MR. MATTHEWSON: Yes.

23 MR. VALDRON: All right.

24 Final round: Accidents. And I've  
25 read your accidents paper, and listened, and



1 certainly appreciated the level of work in there.  
2 But again, with respect to accidents -- spills,  
3 for instance -- is there any procedure for  
4 specific notification to First Nations or First  
5 Nations users?

6 MR. MATTHEWSON: There is no specific  
7 notification for a particular spill. We don't  
8 have a specific process in place. What we have in  
9 place is our annual reporting, where we report all  
10 of our spills on a project-by-project basis for  
11 the year. We have ongoing -- as I mentioned, the  
12 community liaisons; that will be in communication  
13 with the local communities.

14 If there was a spill that would be of  
15 a size or an area of concern, such as if it was in  
16 a traditional plant gathering area that was  
17 identified, then we would go back to that  
18 community and identify that community, tell them  
19 about what the spill was, the methods by which we  
20 contained and cleaned and remediated the sites,  
21 and may offer to visit the site with the community  
22 to further investigate the rehabilitation of the  
23 site.

24 MR. VALDRON: But you don't have a  
25 policy specifically for that right now, do you?

1                   It is not a gotcha question; it's just  
2 a question --

3                   MR. MATTHEWSON: No. We don't have a  
4 specific policy about notification of people,  
5 indigenous or otherwise, about specific spills,  
6 other than the regulatory reporting requirements  
7 to Manitoba Sustainable Development.

8                   MR. VALDRON: All right. I'm going to  
9 suggest to you that because First Nation people  
10 are harvesting and gathering in these areas, that  
11 if there is a spill in an area, for instance,  
12 where they are gathering berries or medicine or  
13 wild food, they would have a pretty significant  
14 interest, you know, in knowing about that spill,  
15 where that spill took place, and the particulars,  
16 because it might well affect their harvesting or  
17 gathering activities, and their choices as to  
18 harvesting and gathering. Would you agree?

19                   MR. MATTHEWSON: Yes, I would agree.  
20 That's why, in my previous response, that we would  
21 notify communities if a spill would occur within a  
22 traditional gathering area that was identified in  
23 our environmental protection plan, that a  
24 community made us aware of.

25                   And through the ongoing First Nations

1 and Metis engagement process and the environmental  
2 indigenous community monitoring working group that  
3 Manitoba Hydro is -- is working with communities  
4 to develop, and the environmental monitor role in  
5 that working group, there would be a direct  
6 mechanism by which they would be aware of any  
7 spills or -- that would occur within the project  
8 area as well.

9 MR. VALDRON: All right. So with  
10 respect to accidents -- and this is about my final  
11 question here.

12 With respect to accidents, I would  
13 suggest to you that it would be a good idea for  
14 Manitoba Hydro to have a policy or a formal  
15 procedure in place for notification of  
16 communities, the adjacent First Nation communities  
17 or potential user First Nation communities, of  
18 accidents and incidents like that, like spills, so  
19 that they could be aware, and they could then make  
20 reasonable decisions. It would be good to have a  
21 policy.

22 MR. MATTHEWSON: I'm not sure whether  
23 a policy would benefit --

24 MR. VALDRON: The process?

25 MR. MATTHEWSON: -- our process that

1 we have in place for communicating that, as I  
2 outlined.

3 MR. VALDRON: Okay. Didn't seem to be  
4 a very concrete process; that's why I'm suggesting  
5 it.

6 Okay. I think I'm done.

7 THE CHAIRMAN: Thank you.

8 MR. VALDRON: How long was I?

9 THE CHAIRMAN: An extra 15, so you  
10 stayed within that 10 to 15 minutes. Thank you.

11 MR. VALDRON: Gentlemen, it has been a  
12 pleasure. Thank you.

13 THE CHAIRMAN: All right. Thanks.

14 And thanks to the intervenors, the  
15 last three or four, for making every effort to be  
16 timely. We are going to continue this process,  
17 because we can't afford to slip further behind  
18 schedule, due to future participants, and to be  
19 fair to them. So we will continue to do that.

20 I would also thank Hydro, thank them  
21 for most of the time, and ask them to be as --  
22 while answering the question, to be as efficient  
23 as you can be as well.

24 All right. Thank you all. We will be  
25 back in the morning at 9:30, in this room.

1 Are there any documents to file?

2 MS. JOHNSON: Yes, please.

3 The first part of today's presentation  
4 is MH035. The second part, 036, and amended  
5 Mr. Bailey's CV is MH037.

6 THE CHAIRMAN: Thank you.

7 (EXHIBIT MM-35: First part of  
8 Construction panel presentation)

9  
10 (EXHIBIT MH-36: Second part of  
11 Construction Panel presentation)

12 (EXHIBIT MH-37: Amended CV of Dr.  
13 Bailey)

14 (Adjourned at 5:00 p.m.)

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Cecelia Reid  
Official Examiner, Q.B.

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