



“When You Talk - We Listen!”



MANITOBA PUBLIC UTILITIES BOARD

re:

MANITOBA EFFICIENCY
3-YEAR ENERGY EFFICIENCY PLAN
(2020/21 - 2022/23)

Before Board Panel:

Robert Gabor	- Board Chairperson
Marilyn Kapitany	- Board Vice Chair
Hugh Grant	- Board Member
Irene Hamilton	- Board Member

HELD AT:

Public Utilities Board
400, 330 Portage Avenue
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1 --- Upon commencing at 9:02 a.m.

2

3 THE CHAIRPERSON: Good morning,
4 everyone. Ms. Hart...?

5 MS. KATE HART: Thank you, Mr. Chair.
6 So on the schedule for today, we have Dr. Clark giving
7 direct evidence, followed by cross-examination by
8 Consumers' Coalition. MKO has advised us that they
9 will not be cross-examining Dr. Clark. And then we
10 will continue with Efficiency Manitoba's cross-
11 examination, followed by Board counsel.

12 THE CHAIRPERSON: Thank you. I guess
13 we should have the witness sworn in.

14

15 AMC PANEL

16 TIMOTHY CLARK, Affirmed (by Skype)

17

18 THE CHAIRPERSON: Good morning, Dr.
19 Clark. Welcome. Now, how are you going to handle
20 this?

21 DR. TIMOTHY CLARK (BY SKYPE): Good
22 morning. Thank you for having me --

23 THE CHAIRPERSON: Are you going to
24 take him through --

25 DR. TIMOTHY CLARK (BY SKYPE): -- and

1 thank you for accommodating my participation via
2 Skype.

3 THE CHAIRPERSON: Would you like to
4 proceed?

5 MS. EMILY GUGLIEMIN: Thank you, Mr.
6 Chair.

7

8 EXAMINATION-IN-CHIEF BY MS. EMILY GUGLIEMIN:

9 MS. EMILY GUGLIEMIN: And good
10 morning, everyone. My name is Emily Gugliemin, and I
11 represent the Assembly of Manitoba Chiefs. Today I am
12 here to assist with the direct examination of Dr.
13 Timothy Clark of Willow Springs Strategic Solutions.
14 Dr. Clark has joined us via Skype and teleconference,
15 and my associate, Carly Fox has also attended via
16 teleconference.

17 I'd just like to remind everyone who
18 questions Dr. Clark to remember to speak directly into
19 the microphones; that will assist him with hearing
20 your questions.

21 Dr. Clark's report for this hearing is
22 filed as Exhibit AMC-3. This is the revised report,
23 which is redlined from the original, and was filed on
24 December 20th, 2019. Dr. Clark's resume was filed as
25 an attachment to the AMC's application to intervene.

1 That is Exhibit AMC-1.

2 With that, subject to any further
3 comments from Mr. Chair or the Board, I will just jump
4 right into things.

5 Okay. Dr. Clark, I would like to
6 direct you to page 36 of your revised report. And
7 could you tell us about the changes that were made and
8 why?

9 DR. TIMOTHY CLARK (BY SKYPE): Sure.
10 So there were two (2) main issues that sort of emerged
11 from the IRs when I was reviewing them, and they
12 related to my attempt to address the lack of
13 information on the off-reserve First Nation customer
14 segment and -- and programming for that segment, which
15 sort of stood out as a bit of a blind spot in the
16 Plan, and sort of my attempts to integrate that
17 population, particularly given the lack of sort of
18 reliable data that we have.

19 So given the time and sort of resource
20 constraints for conducting this work, trying to fit
21 this population into the assessment resulted in two
22 (2) sort of main problems that emerged in the IRs.

23 The first was sort of lack of clarity
24 around units of analysis. So population, dwelling,
25 because we didn't have really comparable data for --

1 for on and off-reserve First Nations, and somewhat
2 apples to oranges comparisons in the section titled
3 'Horizontal Equity', which is the section that was
4 revised.

5 There was also a tabulation error in --
6 in a couple of the graphs. So I think both of these
7 issues are addressed in the revised report and figures
8 basically by separating out the discussion of on-
9 reserve First Nation customers and programs, and then
10 in a later section, addressing specifically the issue
11 of off-reserve First Nation customers and some of the
12 challenges that that segment provides.

13 So the section now looks at First
14 Nation on-reserve customers adjusted for household
15 size, which I think is an important adjustment to
16 make, because on-reserve First Nation customers have -
17 - residential customers have larger household sizes.
18 So any benefits accruing to those customers as a
19 result of these programs, in fact, benefit a larger
20 number of people.

21 And so looking at the on-reserve First
22 Nation in terms of participation, and budget, but then
23 also electricity consumption and savings, and then
24 dealing with the off-reserve First Nation population.

25 So I think that provides a lot more

1 clarity to the section, and so I think addresses those
2 two (2) main areas that was the reason that we decided
3 to revise and resubmit rather than trying to explain
4 everything in IRs, because the -- the data changed a
5 bit. So I think it was just clearer to sort of revise
6 that section entirely.

7 So the section still demonstrates sort
8 of the underlying facts or conclusion that when you're
9 looking at First Nation specific programming, that the
10 on-reserve First Nation customers are generally sort
11 of under represented in terms of participation,
12 electricity, savings for these programs, and that this
13 potential under representation is -- is greater when
14 you conclude -- when you add the off-reserve First
15 Nation customers, when you consider those and the fact
16 that there may be -- so you can vary participations of
17 the program. And we really don't know that much about
18 the degree to which they will participate.

19 One should also note that -- that these
20 estimates are a little conservative, for instance,
21 because they fully incorporate the Indigenous Small
22 Business Program as -- as First Nation benefits,
23 despite the fact that this program is available to
24 First Nation on-reserve and Metis businesses, and we
25 don't really know what the distribution of

1 participation and benefits is going to be for that
2 program at this point, as well as the fact that it
3 doesn't consider, you know, energy savings from the
4 natural gas portfolio from which -- for which there
5 are no, you know, First Nation on-reserve programming,
6 because, you know, the -- there's not a lot of natural
7 consumption there.

8 So that was -- that was -- those were
9 the reasons that the -- the revised report was
10 submitted, and -- and the issues that -- that we are
11 trying to address there.

12 MS. EMILY GUGLIEMIN: Okay. Thank
13 you, Dr. Clark. You've written in your report about
14 how some of the First Nation initiatives in the
15 current plan look like pilot projects, specifically,
16 community energy plans.

17 Could you speak a bit about your
18 conclusions there?

19 DR. TIMOTHY CLARK (BY SKYPE): Yeah.
20 So -- so there are two (2) sort of programs or
21 enabling strategies that that comment is referring to,
22 and it's the Community Energy Efficiency Plan and the
23 First Nation energy advocate advisor positions.

24 So one (1) valuable component of the
25 Plan is that -- emerged that -- that Efficiency

1 Manitoba recognizes the importance and value of
2 working collaboratively with First Nations in -- in
3 the implementation of programs, I think which -- which
4 is consistent with best practices in other
5 jurisdictions and learnings.

6 My concern with the specific enabling
7 strategies is more to do with sort of their scope and
8 funding. So in the Association of Manitoba Chiefs
9 IRs, we received responses that there was budget for
10 approximately two (2) First Nation community plans to
11 develop over the three (3) years of the Plan, and that
12 there was funding for twenty-five thousand dollars
13 (\$25,000) per person for up to two (2) First Nation
14 energy advocate positions.

15 Now, it -- this level of funding struck
16 me as more akin to the funding you'd provide for pilot
17 program rather than the funding you'd provide for a
18 more sort of comprehensive enabling and engagement
19 strategy.

20 Now, pilot programs can be very
21 valuable, and -- and a prudent way to develop new
22 initiatives, but there are two (2) concerns there I'd
23 like to flag. The first one is that pilot programs
24 can be subject to local constraints and conditions,
25 and can also be easily sort of scrapped. So the first

1 comment really relates to the fact that the success of
2 -- of a pilot program can often be influenced by the
3 specific condition under which it -- it's taken.

4 So if you had a -- a community energy
5 plan in a -- in a particular First Nation on reserve,
6 and that First Nation had a series of sort of
7 mitigating or challenging circumstances that -- that
8 made it very difficult to develop a plan, you could
9 draw the conclusion from that -- that while maybe it's
10 the program that has failed and not the pilot. And so
11 when you only have one (1) or two (2) experiences,
12 it's hard to draw meaningful conclusions from those.

13 The second is that because pilot
14 programs, if there's just one (1) or two (2) of them,
15 have very few stakeholders, and there hasn't been a
16 large sort of public commitment around them, they can
17 easily be dropped if they're not successful, or if
18 there are a lot of challenges. So that would be sort
19 of the first concern.

20 The second concern that I would have is
21 that sort of, in my experience, when new programs are
22 offered without sort of adequate capacity for a First
23 Nation Government to -- who -- who at times face quite
24 significant governance and capacity constraints, then
25 implementation can fall on already overburdened staff

1 members, whether it's the housing manager, or the Band
2 manager.

3 This is what we found, for instance, in
4 work that we've done on disaster management in
5 Northeastern Alberta, where often, the director of
6 emergency management on reserve is basically a
7 moonlighting Band manager. And it can lead to a lot
8 of difficulties in -- in sort of proper implementation
9 of programming.

10 And what that means is that inadequate
11 enabling strategies can undermine program
12 participation, and can again lead to the conclusion
13 that maybe there's inadequate interest, or that
14 programs simply aren't worth the investment.

15 So one (1) of the things that they've
16 found in other jurisdictions such as Ontario or
17 British Columbia is that having these investments can
18 -- relationship building and capacity building can be
19 very meaningful to program success. So I would say if
20 these enabling strategies are, in fact, sort of being
21 proposed as pilot, I would say two (2) things.

22 One, I would suggest that you have a
23 larger number of pilot programs to get a broader
24 experience; and secondly, that there be a -- a sort of
25 stronger commitment to scaling these up in the future.

1 Yeah, that -- that's sort of what I was referring to
2 by pilot.

3 MS. EMILY GUGLIEMIN: Thank you, Dr.
4 Clark. Unless you have any other recommendations or
5 conclusions you would like to highlight, I'm going to
6 -- those -- that's it for my questions.

7 Do you have anything further?

8 DR. TIMOTHY CLARK (BY SKYPE): Well,
9 there -- I think there are probably a couple of -- a
10 couple of recommendations that I would like to
11 highlight in particular.

12 One (1) is the issue of information and
13 data, particularly for the off-reserve customer
14 segment. It's very difficult to assess programs and
15 it's very difficult to design programs when you don't
16 have sort of high quality and reliable information.
17 And -- and in my experience, a lack of quality
18 information can often serve as a sort of rationale for
19 inaction.

20 Now, you know, I've done a lot of work
21 in oil sands in northeastern Alberta with Indigenous
22 governments, and one (1) of the things we find despite
23 five (5) decades of sort of large-scale oil sands
24 development, we know very, very little about social
25 and cultural impact of these developments,

1 particularly for Indigenous people.

2 So what happens is, is that you get
3 little in the way of mitigation for these effects
4 because proponents will say, well, we don't any
5 evidence, and then you get very little in the way of
6 research because someone -- the response will be from
7 government or -- or from industry that, well, there's
8 no evidence that we really have a problem that needs
9 to be researched.

10 And so it sort of becomes the sort of
11 self fulfilling cycle where the lack of evidence
12 becomes an excuse for inaction which becomes an excuse
13 for not collecting information. So the more
14 information you can collect, you know, the better
15 design implementation and -- and future additions will
16 be.

17 The other one (1) is -- touching on the
18 other point, to invest more early in these enabling
19 strategies. These investments can provide benefit not
20 simply in terms of increased participation and
21 positive effects for those customers who could
22 potentially most benefit from bill reduction, for
23 instance, it can also serve to gather valuable
24 information to support programming, for instance on
25 houses that might be available for insulation upgrades

1 or -- or whatever, but also as capacity building, that
2 can spill into other areas such as housing that are
3 related to energy efficiency.

4 So I think there is -- there's a lot of
5 value in investing in -- in those relationships and
6 capacity development.

7 And then third is, I think, having a
8 more sort of clearly defined and robust place for
9 equity in the design and evaluation of plans moving
10 forward, sort of as was discussed -- there's sort of
11 two (2) ways you can think about equity. One (1) is
12 horizontal equity, which I would say is more like a
13 minimum threshold where benefits would sort of be
14 proportional.

15 Now, horizontal equity can also have a
16 scale. You can have a lower scale, which is to say
17 participation in programs should equal -- share
18 customers, or a more robust scale, which is to say
19 energy savings should equal energy consumption.

20 And this touches on an issue of, you
21 know, generally you want to make apple-to-apple
22 comparison, but sometimes those apple-to-apple
23 comparisons can be misleading if the underlying things
24 you're comparing are different.

25 So to provide an example, a twenty-five

1 dollar (\$25) per month bill reduction as a result of
2 an energy efficiency upgrade would have a marginal
3 value significantly greater to a low income and energy
4 poor family than to a more affluent family, which is
5 to say that whereas the more affluent family might,
6 you know, save that money, an energy poor family might
7 be able to use that extra money to meet other basic
8 needs: food, education, support for children, maybe
9 increase the heating of their home which could benefit
10 all of the members.

11 And this is similarly why I try to
12 adjust for household size, because it's important to
13 remember that it's not just sort of customers one to
14 one that are benefitting but customers that have
15 larger households have a greater number of people who
16 are benefitting from these programs.

17 And then the sort of second level would
18 be sort of vertical equity, which is to say that you
19 should treat people who are -- are unequal --
20 unequally, which is to say that you want to try and
21 address some of these embedded socioeconomic and
22 energy inequalities.

23 Here the guiding principle would be
24 that the benefit should be disproportionate to favour
25 those First Nations, for example, as a means to

1 address these historical inequalities. And I would
2 see vertical equity as more of a -- sort of a longer-
3 term goal.

4 SO, yeah, those three (3) would be sort
5 of the main recommendations that I would highlight.

6 MS. EMILY GUGLIEMIN: Thank you, Dr.
7 Clark. That concludes my direct examination.

8 THE CHAIRPERSON: Thank you. I'll ask
9 the Panel if they have any questions at this time.
10 Ms. Kapitany...?

11 THE VICE-CHAIRPERSON: Thank you, Dr.
12 Clark. I have one (1) question and it relates to the
13 description you just went through of horizontal and
14 vertical equity, and similar to what Ms. Tuck said,
15 this is a concept I was not familiar with before
16 reading your evidence.

17 Is this something that's been applied
18 in other jurisdictions? Sorry, are you having trouble
19 hearing?

20 DR. TIMOTHY CLARK (BY SKYPE): Yeah, I
21 am, sorry. You can see me sort of picking up the
22 phone. If you could -- I don't know if you're close
23 to the mic, if you could speak a little bit louder or
24 closer --

25 THE VICE-CHAIRPERSON: Sure. Would

1 you like --

2 DR. TIMOTHY CLARK (BY SKYPE): -- it
3 would help me hear it.

4 THE VICE-CHAIRPERSON: -- me to repeat
5 my question?

6 DR. TIMOTHY CLARK (BY SKYPE): If you
7 wouldn't mind, yes.

8 THE VICE-CHAIRPERSON: Sure. And it's
9 regarding vertical and horizontal equity. These were
10 concepts that I wasn't familiar with before reading
11 your evidence, and so I'm wondering, have you applied
12 this in other jurisdiction and what has been the --
13 the result in terms of receptiveness to the concept?

14 DR. TIMOTHY CLARK (BY SKYPE): It's not
15 a concept. It's a concept that draws more from
16 academic literature than from programming as far as I
17 can see. I don't know of any jurisdictions where it
18 has been applied to programming.

19 It's one (1) of the reasons that I
20 wanted to introduce it, because equity was -- equity
21 is one (1) of sort of the guiding principles for
22 Efficiency Manitoba, and so I wanted to sort of
23 introduce this as sort of a framing device for, you
24 know, a different way of -- of considering program
25 design and evaluation of outcomes.

1 THE VICE-CHAIRPERSON: Okay, thank
2 you. And my other question is on page 36 of your
3 evidence, and that's where you had spoken of the
4 annual increase in electricity bills from this plan,
5 being --

6 DR. TIMOTHY CLARK (BY SKYPE): Yeah.

7 THE VICE-CHAIRPERSON: --
8 approximately twice as high for First Nations off
9 reserve as for other residential customers.

10 And I was wondering, are there specific
11 parts of the plan that you can pinpoint that are
12 leading to this increase?

13 DR. TIMOTHY CLARK (BY SKYPE): Well,
14 no. I think it's mostly a function of the fact that
15 energy consumption and cost tend to be higher on
16 reserve, and so, you know, any -- any increase is
17 going to -- or sort of any rate increase is going to
18 have a -- a sort of disproportionate or higher impact
19 on -- on reserve First Nation customers.

20 THE VICE-CHAIRPERSON: Okay. So then
21 this wasn't tied to any specific measure or bundle of
22 measures?

23 DR. TIMOTHY CLARK (BY SKYPE): No. I
24 -- I hadn't -- it hadn't been assessed in that way,
25 no.

1 THE VICE-CHAIRPERSON: Thank you.

2 THE CHAIRPERSON: Sorry. Before I
3 turn it to Ms. Dilay, I've got a question, Dr. Clark.

4 This morning you talked about the lack
5 of quality information, especially for off reserve.
6 Can you point to a program where you think there is
7 good quality information for people off reserve?

8

9 (BRIEF PAUSE)

10

11 DR. TIMOTHY CLARK (BY SKYPE): Not off
12 the top of my head. I mean, there's census data, but
13 in many cases this is a -- a population that -- that
14 is not often tracked, especially in the work that we
15 do. It's a population that very often gets missed,
16 particularly because you have -- you know, it tends to
17 be a sort of urban population and it's not easy to
18 get, even from the census, information on this.

19 So you know, a lot of the work that we
20 do with impact assessment, you can generally get
21 information and the information provided for on
22 Reserve, but off Reserve is a very common blind spot.

23 THE CHAIRPERSON: Okay, thank you.

24 Ms. Dilay...?

25

1 CROSS-EXAMINATION BY MS. KATRINE DILAY:

2 MS. KATRINE DILAY: Thank you, Mr.

3 Chair.

4 Good morning, Dr. Clark. Can you hear
5 me?

6 DR. TIMOTHY CLARK (BY SKYPE): I can,
7 yes.

8 MS. KATRINE DILAY: Great, thank you.

9 DR. TIMOTHY CLARK (BY SKYPE): Good
10 morning.

11 MS. KATRINE DILAY: My name is Katrine
12 Dilay, I'm a lawyer with the Public Interest Law
13 Centre here in Winnipeg. And I represent the
14 Consumer's Coalition in this proceeding, which is
15 comprised of Winnipeg Harvest and the Manitoba branch
16 of the Consumer's Association of Canada.

17 I'd also like to introduce Diane
18 Morrison, who is sitting to my right. She is an
19 articling student with the Public Interest Law Centre
20 and is attending the hearing with me today.

21 Dr. Clark, I do have a few questions
22 for you. And just for context, I'd like to confirm
23 what you say in one (1) section of your evidence,
24 specifically starting at page 10 of your report.

25 And if we turn to page 10, and

1 specifically looking at the subtitle Energy Poverty
2 and Energy Justice, would it be --

3 DR. TIMOTHY CLARK (BY SKYPE): M-hm.

4 MS. KATRINE DILAY: -- would it be
5 fair to summarize that in this section your
6 conclusions are essentially that First Nation families
7 face high energy burdens and that these energy burdens
8 may be underestimated?

9 DR. TIMOTHY CLARK (BY SKYPE): Yes, it
10 -- it without question they face high energy burdens
11 and there is a potential that those burdens are
12 underestimated, because, for instance, energy poor
13 families may do things like reduce energy consumption
14 as a means of reducing their bill.

15 MS. KATRINE DILAY: And indeed --

16 DR. TIMOTHY CLARK (BY SKYPE): Right,
17 and that wouldn't be captured by energy poverty.

18 MS. KATRINE DILAY: And indeed if we
19 turn to page 13 of your report specifically, my
20 understanding is that there you refer to:

21 "It's important to note moreover
22 that these snapshot quantitative
23 measures of energy poverty
24 potentially underestimated its
25 extent."

1 You see that reference?

2 DR. TIMOTHY CLARK (BY SKYPE): Yes.

3 MS. KATRINE DILAY: And then you go on
4 to explain why that is in terms of why -- because
5 energy poverty is not static, but rather dynamic and
6 experience-based, and that families may respond to
7 energy poverty, for example, by reducing temperatures.

8 I've -- I've read that correctly?

9 DR. TIMOTHY CLARK (BY SKYPE): Yes.

10 MS. KATRINE DILAY: Dr. Clark, you're
11 not suggesting that families who are not First Nation
12 may not also face high energy burdens, correct?

13 DR. TIMOTHY CLARK (BY SKYPE): No.

14 That -- that's correct, I am not.

15 MS. KATRINE DILAY: And that these
16 energy burdens for families who are not First Nations
17 may not also be underestimated?

18 DR. TIMOTHY CLARK (BY SKYPE): That is
19 correct.

20 MS. KATRINE DILAY: And this is
21 because families who are not First Nation may also
22 respond to energy poverty burdens by, for example,
23 reducing temperatures in their homes, correct?

24 DR. TIMOTHY CLARK (BY SKYPE): Yes.

25 That's correct, yes.

1 MS. KATRINE DILAY: Or taking other
2 measures that may negatively impact their health in
3 order to reduce their energy bills?

4 DR. TIMOTHY CLARK (BY SKYPE):
5 Exactly, yes.

6 MS. KATRINE DILAY: And this -- these
7 measures would not be calculated by the simple energy
8 costs to income calculus, correct?

9 DR. TIMOTHY CLARK (BY SKYPE): That's
10 correct, yes.

11 MS. KATRINE DILAY: And if we turn to
12 page 15 of your report.

13 DR. TIMOTHY CLARK (BY SKYPE): Yes.

14 MS. KATRINE DILAY: And towards the --
15 the first third of the page, do you see the sentence
16 that starts with "the potential"?

17 DR. TIMOTHY CLARK (BY SKYPE): Yes.

18 MS. KATRINE DILAY: And you'll agree
19 that in this sentence you refer to potential
20 participation barriers for energy efficiency
21 improvements for low-income and other disadvantaged
22 groups, correct?

23 DR. TIMOTHY CLARK (BY SKYPE): That's
24 correct, yes.

25 MS. KATRINE DILAY: And just to

1 clarify this statement for our client's benefit,
2 you'll agree that barriers to participation in energy
3 efficiency programming can exist for certain low-
4 income customers in general, correct?

5 DR. TIMOTHY CLARK (BY SKYPE): Yes.

6 MS. KATRINE DILAY: And they may --
7 participation -- participation barriers may exist for
8 customers who rent their housing, as you referred to
9 in this passage?

10 DR. TIMOTHY CLARK (BY SKYPE): Yes.

11 MS. KATRINE DILAY: And such barriers
12 would also exist for certain First Nation customers,
13 both on and off Reserve?

14 DR. TIMOTHY CLARK (BY SKYPE): That's
15 correct, yes.

16 MS. KATRINE DILAY: And they could
17 also exist for older customers, or seniors?

18 DR. TIMOTHY CLARK (BY SKYPE): Yes.

19 MS. KATRINE DILAY: Another group who
20 could face such barriers may include newcomers to
21 Canada?

22 DR. TIMOTHY CLARK (BY SKYPE): Yes.

23 MS. KATRINE DILAY: As well as
24 customers with disabilities?

25 DR. TIMOTHY CLARK (BY SKYPE):

1 Absolutely, yes.

2 MS. KATRINE DILAY: Thank you. I have
3 a couple of questions about cost effectiveness. If we
4 could turn to page 17 of your report.

5 DR. TIMOTHY CLARK (BY SKYPE): Yes.

6 MS. KATRINE DILAY: And if we look,
7 again, towards the first third -- just after the first
8 third of the page. Without elaborating on this, you
9 can confirm that your evidence states that:

10 "First, the chief mandate of
11 Efficiency Manitoba is to implement
12 and support demand side management
13 initiatives to meet the savings
14 targets stipulated in the Act.
15 There is nothing in the mandate that
16 requires Efficiency Manitoba to
17 prioritize cost effectiveness.

18 I've read that statement correctly?

19 DR. TIMOTHY CLARK (BY SKYPE): Yes.

20 And that was my reading of it, yes.

21 MS. KATRINE DILAY: And you will agree
22 generally that the implementation of the efficiency
23 plan 2020/2023 proposed by Efficiency Manitoba has the
24 potential to lead to rate increases for Manitoba Hydro
25 ratepayers?

1 DR. TIMOTHY CLARK (BY SKYPE): Yes. I
2 think that -- that's contemplated.

3 MS. KATRINE DILAY: Sorry, can you
4 repeat that last answer?

5 DR. TIMOTHY CLARK (BY SKYPE): Yes. I
6 think that's contemplated in the plan.

7 MS. KATRINE DILAY: Thank you. And
8 these -- your understanding would be that these rate
9 increases would be applied to all customers, whether
10 they participate in energy efficiency programming or
11 not, correct?

12 DR. TIMOTHY CLARK (BY SKYPE): That's
13 my understanding, yes.

14 MS. KATRINE DILAY: And so for
15 customers who do not participate in energy efficiency
16 programming, they would see the rate increase on their
17 bill, but would not necessarily see any bill
18 reductions from energy upgrades or efficiency
19 upgrades, rather, to their homes, correct?

20 DR. TIMOTHY CLARK (BY SKYPE): Yes.

21 MS. KATRINE DILAY: And such customers
22 could include low-income customers and other customer
23 groups who may be vulnerable due to various
24 circumstances, because not every single customer will
25 participate in energy efficiency programming, correct?

1 DR. TIMOTHY CLARK (BY SKYPE): Yes.

2 MS. KATRINE DILAY: And in fact, as we
3 discussed a few minutes ago, there are significant
4 barriers to participation for certain customer groups,
5 including low-income customers, correct?

6 DR. TIMOTHY CLARK (BY SKYPE): Yes.

7 MS. KATRINE DILAY: I just have a few
8 remaining questions for you. One (1) of them has to
9 do with one (1) of your recommendations. If we'd be
10 able to turn to pag 51 of your report.

11 And if we look at page 51, you'll agree
12 that one (1) of your recommendations was that
13 Efficiency Manitoba should work with First Nations and
14 First Nation organizations to discuss the creation of
15 an off-Reserve First Nation income qualified program
16 to be part of future energy efficiency planning,
17 correct?

18 DR. TIMOTHY CLARK (BY SKYPE): Yes.

19 MS. KATRINE DILAY: And you'll agree
20 that based on the plan as filed by Efficiency
21 Manitoba, First Nation off-reserve customers who
22 qualify would have access to all the income qualified
23 programming that is being pr -- proposed by Efficiency
24 Manitoba, correct?

25 DR. TIMOTHY CLARK (BY SKYPE): Yes.

1 MS. KATRINE DILAY: And First Nation
2 off-Reserve customers would also have access to the
3 residential programming that is being proposed by
4 Efficiency Manitoba?

5 DR. TIMOTHY CLARK (BY SKYPE): That is
6 correct.

7 MS. KATRINE DILAY: And just for --
8 three (3) last questions. If we could turn to Exhibit
9 AMC-1, which is the Assembly of Manitoba Chiefs'
10 application to intervene.

11 And I just want to take a very quick
12 look at your curriculum vitae.

13 DR. TIMOTHY CLARK (BY SKYPE): Sure.

14 MS. KATRINE DILAY: And so, it's PDF
15 page 19 of this particular exhibit. Thank you, Ms.
16 Schubert.

17 And so, Dr. Clark, if we look at the
18 top of your -- your CV, you'll agree that your areas
19 of expertise are regulation and assessment of impacts
20 from the extractive and energy sectors and natural
21 disasters, Indigenous peoples, Metis studies,
22 community and genealogical histories, community needs
23 assessments, community-based disaster management,
24 sustainable community development, Latin American
25 political economy, rural development, and food

1 security, correct?

2 DR. TIMOTHY CLARK (BY SKYPE): Yes.

3 MS. KATRINE DILAY: And so, you'll
4 agree that the design of ef -- efficiency programming
5 is not listed in your areas of expertise, correct?

6 DR. TIMOTHY CLARK (BY SKYPE): It is
7 not. But I would say that design of efficiency
8 programs is not an area of expertise, but impacts to
9 Indigenous people of industrial development but also
10 regulations and policy are.

11 MS. KATRINE DILAY: Thank you.

12 DR. TIMOTHY CLARK (BY SKYPE): So,
13 while I -- I'm not an expert in energy efficiency per
14 se, I do have a lot of experience and expertise in
15 impacts from regulation and policy.

16 MS. KATRINE DILAY: Thank you. And
17 you'll agree that regulatory economic -- economics is
18 also not an area of expertise listed, correct?

19 DR. TIMOTHY CLARK (BY SKYPE): That's
20 correct, yeah.

21 MS. KATRINE DILAY: Thank you very
22 much, Dr. Clark, and thank you for your evidence.
23 Those are my questions for you this morning.

24 DR. TIMOTHY CLARK (BY SKYPE): Okay.

25 THE CHAIRPERSON: Thank you, Ms.

1 Dilay. Be -- before we go to Efficiency Manitoba, I
2 believe Dr. Grant has a question.

3 BOARD MEMBER GRANT: Yeah, I just had
4 one (1) question. And we've heard --

5 THE CHAIRPERSON: Speak louder.

6 BOARD MEMBER GRANT: Sorry. We've
7 heard a fair bit of evidence in past GRAs about the
8 number of -- or the high rate of bills that are in --
9 it's the right term -- arrears on -- on reserve,
10 particularly, I think, in some of the Northern
11 reserve.

12 And so, I think when it comes to trying
13 to address energy poverty and designing programs that
14 are going to address that, presumably we need to know
15 more about who's paying the bill, who's not paying the
16 bill.

17 Could -- could you elaborate on
18 exactly, if -- if a bill's in arrears on a First
19 Nation reserve, is it likely the band that's paying
20 it, the individual? Do -- do you know at all what --
21 what happens in the course of things of that nature?

22

23 (BRIEF PAUSE)

24

25 DR. TIMOTHY CLARK (BY SKYPE): I

1 suspect that these arrangements vary. But my -- yeah,
2 I'm -- I'm not entirely sure of what -- what the
3 payment arrangements would be for -- for these bills
4 and how arrears would be handled.

5 I suspect arrears would be handled
6 between the nation and Manitoba Hydro rather than
7 individual customers. But, yeah, again, I -- I think
8 your -- your point that more information on -- on that
9 issue would certainly be helpful in terms of -- in
10 terms of addressing that issue in the context of
11 energy poverty.

12 BOARD MEMBER GRANT: Presumably, if
13 you wanted an effective energy efficiency program,
14 you'd have to know who the ultimate payer was,
15 wouldn't you, in order to provide the right incentives
16 and motivation.

17 And so, I guess, yeah, I just wish we
18 could drill down a little bit more in some of the
19 circumstances in terms of energy poverty on reserve.

20

21 (BRIEF PAUSE)

22

23 DR. TIMOTHY CLARK (BY SKYPE): Right.

24

25 (BRIEF PAUSE)

1 DR. TIMOTHY CLARK (BY SKYPE): Yeah,
2 I'm -- I'm not sure how -- what I can -- what I can
3 offer to answer that question.

4 BOARD MEMBER GRANT: Okay. Thank you.

5 THE CHAIRPERSON: Thank you. Ms.
6 Schofield...?

7

8 CROSS-EXAMINATION BY MS. JESSICA SCHOFIELD:

9 MS. JESSICA SCHOFIELD: Good morning,
10 Dr. Clark. Can you hear me?

11 DR. TIMOTHY CLARK (BY SKYPE): I can,
12 yes.

13 MS. JESSICA SCHOFIELD: This is
14 Jessica Schofield. I act on behalf of Efficiency
15 Manitoba. And we would just like to thank you for
16 your report and for participating in this Hearing
17 today.

18 Having regard to the --

19 DR. TIMOTHY CLARK (BY SKYPE): Thank
20 you for having me.

21 MS. JESSICA SCHOFIELD: Having regard
22 to some of the questions from the Board and from Ms.
23 Dilay, my questions will be limited this morning.

24 Have you reviewed the Intervener
25 application filed on behalf of AMC in this proceeding?

1 (BRIEF PAUSE)

2

3 DR. TIMOTHY CLARK (BY SKYPE): Yes. I
4 -- I have a copy of that, yes.

5 MS. JESSICA SCHOFIELD: And, Ms.
6 Schubert, if I could just ask that you turn to
7 schedule A which is labelled at page -- yes, that's
8 right, right there.

9 Now, Dr. Clark, you see in this
10 document the first two (2) paragraphs outline a
11 description of AMC and their role as the voice of
12 First Nations in Manitoba, correct?

13 DR. TIMOTHY CLARK (BY SKYPE): Yes.

14 MS. JESSICA SCHOFIELD: And you would
15 agree that AMC is well positioned to work with
16 Efficiency Manitoba to ensure that they are able to
17 gather the information that you discussed in your
18 direct to ensure that we can best implement our
19 programs, correct?

20 DR. TIMOTHY CLARK (BY SKYPE): I'm not
21 sure I'm in a position to confirm that statement or
22 not. I'm not familiar enough with the sort of
23 internal functioning of the Assembly and its
24 relationship to First Nations in the province to be
25 able to say.

1 MS. JESSICA SCHOFIELD: Okay. Thank
2 you.

3 DR. TIMOTHY CLARK (BY SKYPE): I -- I
4 don't want to sort of overstep my -- my bounds here.

5 MS. JESSICA SCHOFIELD: I understand.
6 Thank you. And I believe that you may have already
7 stated this, but at page 26 of your report you have
8 com -- concluded that Efficiency Manitoba's plan
9 contains a number of components that are considered
10 consistent with best practices, correct?

11 DR. TIMOTHY CLARK (BY SKYPE): That is
12 correct, yes.

13 MS. JESSICA SCHOFIELD: Thank you.
14 Those are my questions.

15 THE CHAIRPERSON: Thank you. Ms.
16 Hamilton has a question.

17 BOARD MEMBER HAMILTON: Thank you very
18 much, Dr. Clark. Just further to the question that
19 Ms. Schofield just raised, I wonder whether you could
20 comment on whether it would be the governments of the
21 First Nations communities that might be in the best
22 position to identify First Nations off reserve
23 customers?

24 DR. TIMOTHY CLARK (BY SKYPE): I -- I
25 would -- I would suspect that yes, but, again, that's

1 just based on -- on my experience, you know, in the
2 country and -- and not specifically in relation to the
3 Assembly of Manitoba Chiefs and -- and First Nations
4 here.

5 BOARD MEMBER HAMILTON: Thank you.

6 THE CHAIRPERSON: Ms. Hart...?

7 MS. KATE HART: Mr. Chair, this might
8 be an appropriate time for a break. If we could take
9 the morning break?

10

11 (BRIEF PAUSE)

12

13 THE CHAIRPERSON: How long do you --
14 I'm just trying to balance a break versus blowing
15 through and finishing early. Would -- would you
16 prefer a break or...?

17 MS. KATE HART: I probably have about
18 forty (40) minutes or so, I would say, forty-five
19 (45).

20 THE CHAIRPERSON: I -- let -- let's --
21 why don't we proceed and see where we're --

22 MS. KATE HART: Proceed? Okay.

23 THE CHAIRPERSON: -- where we're at,
24 okay?

25

1 CROSS-EXAMINATION BY MS. KATE HART:

2 MS. KATE HART: Good morning, Dr.
3 Clark. I'm Kate Hart. And on behalf of the Board, I
4 would like to ask you a few questions about your
5 evidence. Can you -- can you hear me?

6 DR. TIMOTHY CLARK (BY SKYPE): I can,
7 yes.

8 MS. KATE HART: Okay.

9 DR. TIMOTHY CLARK (BY SKYPE): Good
10 morning.

11 MS. KATE HART: Dr. Clark, in your
12 evidence, you acknowledge that your report is highly
13 preliminary and should be treated with caution. Is
14 that correct?

15 DR. TIMOTHY CLARK (BY SKYPE): That is
16 correct, yes. And -- and if I can just quickly
17 elaborate on why that was done.

18 MS. KATE HART: Sure.

19 DR. TIMOTHY CLARK (BY SKYPE):
20 Basically, you know, this report was compiled given
21 sort of the regulatory time lines in, you know, a very
22 short period given the volume of information that
23 needed to be processed.

24 And the fact that I had not
25 participated in, you know, a rate, you know, increase

1 proceeding or -- or -- so, I was sort of coming at
2 this without a lot of background knowledge, which is
3 why I was -- or, background information on the
4 specifics of Manitoba.

5 And so I was concerned that -- that
6 there could be information that was missed, things
7 that I -- I wasn't able to review. For instance, in
8 the -- the Board's Information Request, they referred
9 us to proceedings from a -- from a general rate
10 increase proceeding that, you know, I simply hadn't
11 reviewed and hadn't had the time to review. And that
12 was sort of my concern there was -- that there was
13 going to be information that I -- I wasn't able to get
14 to or had missed.

15 MS. KATE HART: Thank you, Dr. Clark.
16 In your testimony today too, you've also referred to
17 the fact that you haven't had reliable data available
18 to you.

19 Is thi -- is this a factor in your --
20 your statement that your report is highly preliminary
21 and should be treated with caution?

22 DR. TIMOTHY CLARK (BY SKYPE): Well,
23 the -- the issue of reliability relates more
24 specifically to the off-reserve First Nation customer
25 segment because there was no specific programming for

1 that segment, and given that there is evidence of --
2 of First Nations sort of specific barriers to the
3 public programs and services, I was concerned that
4 this group is being left out and concerned about the
5 lack of -- of information about this group, both in
6 terms of the energy profile for off-reserve First
7 Nation customers, but also their participation in
8 energy efficiency programming.

9 MS. KATE HART: Thank you. I'd like
10 to turn now to your evidence on the energy burdens
11 faced by First Nations.

12 So we -- we've touched on this a little
13 bit today, but I think, specifically, you note in your
14 report that 72 percent of First Nation on-reserve
15 residential customers spend 6 percent or more of their
16 income on energy bills?

17 DR. TIMOTHY CLARK (BY SKYPE): Yes.

18 MS. KATE HART: And so a -- a panel
19 members has -- has raised this issue of who's paying
20 the bills on on-reserve First Nations, but I just
21 wanted to ask you, is it an assumption of your report
22 that First Nation on-reserve customers pay their own
23 energy bills as opposed to a third party?

24 DR. TIMOTHY CLARK (BY SKYPE): Yes.

25 MS. KATE HART: It is an assumption?

1 DR. TIMOTHY CLARK (BY SKYPE): Yeah,
2 that's -- that's -- well, I mean, if you're looking at
3 -- at the energy burden, the energy burden -- it would
4 be calculated on the basis of that assumption.

5 MS. KATE HART: And so Dr. Clark, I
6 guess my question for you is: Does it matter who --
7 who pays the bills? Would you make any adjustments or
8 revisions to your report if you were to find out that
9 some First Nation residential customers are not paying
10 their own energy bills?

11 DR. TIMOTHY CLARK (BY SKYPE): Well,
12 that depends on who's paying the bills and what the,
13 you could say, opportunity costs of that program are
14 in terms of resources not being allocated to other
15 places or -- yeah. So there would -- there would sort
16 of need to be more specifics to -- to examine how that
17 process impacts the question of energy burden and
18 energy poverty.

19 MS. KATE HART: Thank you, Dr. Clark.
20 So I'd like to turn now to the DSM pro -- programming
21 available to First Nations under the plan.

22 And Dr. Clark, just to confirm, your
23 report focusses only on the proposed DSM offerings to
24 First Nations customers, correct?

25 DR. TIMOTHY CLARK (BY SKYPE): That's

1 correct, yes.

2 MS. KATE HART: And if I could ask you
3 to look at page 155 of Board counsel Book of
4 Documents.

5 DR. TIMOTHY CLARK (BY SKYPE): Yeah,
6 just allow me to bring that up. Okay, yeah.

7 MS. KATE HART: And so Dr. Clark, are
8 these the proposed DSM programs within the Indigenous
9 customer segment?

10 DR. TIMOTHY CLARK (BY SKYPE): Yes,
11 appears to be, yeah.

12 MS. KATE HART: And the first three
13 (3) offerings -- so that would be insulation and
14 direct install, small business, and community
15 geothermal -- are those the offerings that are
16 available to First Nations?

17 DR. TIMOTHY CLARK (BY SKYPE): Yes.

18 MS. KATE HART: And just to confirm,
19 Dr. Clark, you did not review the Metis income-
20 qualified program.

21 DR. TIMOTHY CLARK (BY SKYPE): I did
22 not, no.

23 MS. KATE HART: And that's because
24 First Nations are not eligible to participate in that
25 offering, correct?

1 DR. TIMOTHY CLARK (BY SKYPE): That is
2 correct, yes.

3 MS. KATE HART: Thank you. So Dr.
4 Clark, if I could just ask you a few questions about
5 off-reserve First Nations. So we're -- we're still
6 looking at page 155 here, and --

7 DR. TIMOTHY CLARK (BY SKYPE): M-hm.

8 MS. KATE HART: -- which of these
9 programs are available to First Nation customers
10 living off reserve?

11 DR. TIMOTHY CLARK (BY SKYPE): My
12 understanding is that the insulation and direct
13 install and the community geothermal are exclusively
14 on reserve.

15 Now, the small business offer, my
16 understanding is also on reserve. I'm not sure if
17 there are going to be any sort of accommodation, but
18 my -- my reading of the small business offer was that
19 it was available to on-reserve businesses and Metis.

20 MS. KATE HART: So, sorry, Dr. Clark.
21 You're saying that small business is not available to
22 on-reserve and off-reserve? Sorry, I'm -- you --
23 you're saying that small business --

24 DR. TIMOTHY CLARK (BY SKYPE): Yeah,
25 that -- that's -- my understanding is that it's on --

1 it's an on-reserve program, on-reserve and Metis. The
2 small business offer is -- is offered to Metis as
3 well.

4 MS. KATE HART: And Dr. Clark, can I
5 ask you if there are any programs specifically
6 available for First Nation off-reserve customers?

7 DR. TIMOTHY CLARK (BY SKYPE): Not
8 programs that are specifically for that segment.

9 MS. KATE HART: And are you aware that
10 earlier in this hearing, Efficiency Manitoba indicated
11 that it would contemplate creating an off-reserve
12 First Nation income-qualified program?

13 DR. TIMOTHY CLARK (BY SKYPE): I had
14 heard something to that effect, yes.

15 MS. KATE HART: And are you aware that
16 Efficiency Manitoba testified that it would consider
17 creating such a program but that it would have to work
18 with organizations such as M -- AMC and MKO to help
19 identify these customers?

20 DR. TIMOTHY CLARK (BY SKYPE): Okay.
21 I -- I didn't know that, no.

22 MS. KATE HART: So my -- my question
23 for you is do you agree with this approach?

24 DR. TIMOTHY CLARK (BY SKYPE): I think
25 that -- I think that developing an off-reserve-

1 specific program is something that would be very
2 helpful. That being said, I want to qualify that in
3 that I'm not speaking at this point for any particular
4 First Nation government or organization.

5 MS. KATE HART: And Dr. Clark --

6 DR. TIMOTHY CLARK (BY SKYPE): And so
7 the specifics of any programming is best discussed
8 with First Nation governments and organizations, but
9 yes, it was certainly in my report that conversations
10 around off-reserve First Nation programming could
11 potentially be very valuable.

12 MS. KATE HART: And -- and Dr. Clark,
13 just a follow-up question. You've spoken today about
14 the lack of data available -- the lack of reliable
15 data about off-reserve First Nations.

16 I mean, do you think that this
17 particular approach is feasible in light of that lack
18 of data?

19 DR. TIMOTHY CLARK (BY SKYPE): Well,
20 it would be a challenge. Now, it would depend on --
21 on what other data is -- is held, say, by First
22 Nations governments or organizations in terms of
23 helping to identify. But certainly, data would be a
24 challenge for -- for that kind of a program, yes, and
25 that's why, in my recommendations, I really tried to

1 focus on the collection of more reliable data,
2 particularly for that customer segment.

3 MS. KATE HART: Thank you, Dr. Clark.
4 If I could turn the topic of the -- the 5 percent
5 budget threshold. Ms. --

6 DR. TIMOTHY CLARK (BY SKYPE): Yes.

7 MS. KATE HART: Ms. Schubert, could
8 you please put up Section 11(c) of the regulation?

9

10 (BRIEF PAUSE)

11

12 MS. KATE HART: And Dr. Clark, your --
13 your report references Section 11(c) of the
14 regulation, correct?

15 DR. TIMOTHY CLARK (BY SKYPE): Yes, I
16 believe it does.

17 MS. KATE HART: And your understanding
18 of this provision is that it requires that at least 5
19 percent of the budget for DSM programs be allocated to
20 initiatives targeting low income or hard-to-reach
21 customers, if it is practical for Efficiency Manitoba
22 to do so?

23 DR. TIMOTHY CLARK (BY SKYPE): Yes.

24 MS. KATE HART: And does Efficiency
25 Manitoba's proposed Plan meet the 5 budget threshold?

1 DR. TIMOTHY CLARK (BY SKYPE): It's my
2 understanding that it does, yes.

3 MS. KATE HART: And can you explain to
4 me how it does achieve the 5 percent threshold?

5 DR. TIMOTHY CLARK (BY SKYPE): Well,
6 it -- it does so through all of its -- through its
7 income qualified and Indigenous measures.

8 Now, the concern that I had raised from
9 a First Nation perspective was that a -- a good chunk
10 of the budget and energy savings is focused in the
11 income qualified program for natural gas.

12 MS. KATE HART: Right.

13 DR. TIMOTHY CLARK (BY SKYPE): And
14 that, you know, a -- a very significant part of that -
15 - that sort of 5 percent target is -- is being met by
16 that focus. And because on-reserve First Nation
17 customers are largely excluded from that program -- or
18 -- or not excluded, but simply cannot participate, and
19 we don't know what the participation rate of off-
20 reserve First Nation customers with access to natural
21 gas are, that -- that would -- that would be sort of
22 the concern from -- from the First Nation perspective
23 that I had raised.

24 MS. KATE HART: So Dr. Clark, just so
25 we're -- we're clear, maybe -- I -- I think turning to

1 page 154 of Board counsel Book of Documents will help
2 just sort of explain.

3 DR. TIMOTHY CLARK (BY SKYPE): Okay.
4 Yeah.

5 MS. KATE HART: And -- so this -- this
6 is a chart within the -- Efficiency Manitoba's Plan.
7 It sets out the percentage of the budget spent on each
8 customer segment, correct?

9 DR. TIMOTHY CLARK (BY SKYPE): Yes.

10 MS. KATE HART: So we see here the
11 plan forecasts that 6 percent of the electric budget
12 and 32 percent of the natural gas budget will be spent
13 on hard-to-reach customers in the income qualified and
14 Indigenous customer segments, correct?

15 DR. TIMOTHY CLARK (BY SKYPE): M-hm.

16 MS. KATE HART: And of that 32 percent
17 of the natural gas budget, only 2 percent is being
18 spent on Indigenous programs, correct?

19 DR. TIMOTHY CLARK (BY SKYPE): That's
20 correct, yes.

21 MS. KATE HART: And you -- you just
22 said this, I think, but just to have it on the record,
23 2 percent of the gas budget is not available at all to
24 First Nation customers, correct?

25 DR. TIMOTHY CLARK (BY SKYPE): That's

1 right. Almost -- almost, yeah. Pretty much entirely,
2 yeah, not -- not -- it'll -- it would be mostly -- I
3 believe that's the Metis program that that 2 percent
4 refers to.

5 MS. KATE HART: Right. Right. And so
6 in terms of moving now to the electric budget,
7 Indigenous includes both First Nation and Metis, so
8 the percentage spent on First Nation programs will be
9 less than 3 percent of the electric budget.

10 Is that correct?

11 DR. TIMOTHY CLARK (BY SKYPE): Yes.

12 MS. KATE HART: So do you agree, Dr.
13 Clark, that when we're looking at spending on First
14 Nation programs, we're actually looking at less than 3
15 percent of the electric budget, and zero percent of
16 the gas budget?

17 DR. TIMOTHY CLARK (BY SKYPE): From
18 what we know for specifically First Nation
19 programming, yes.

20 MS. KATE HART: Thank you. So Dr.
21 Clark, if I could turn now to funding for First Nation
22 programs, specifically the -- the two (2) concepts
23 that you referred to earlier, horizontal and vertical
24 equity.

25 And in your report, you mentioned that

1 funding for First Nation programs does not meet the
2 criteria of horizontal equity, correct?

3 DR. TIMOTHY CLARK (BY SKYPE): Yes.

4 Well, yeah. So the way -- the way I would look at the
5 equity issue is rather than starting from budget, I
6 would start from other metrics and work back to the
7 budget required to meet those, because one (1) of the
8 things is if you start from budget, say a 5 percent
9 target, you still may not meet sort of equity
10 standards because First Nation programming tends to be
11 more expensive.

12 So even if -- even if you have what
13 seems to be a -- a significant budget, you may not
14 meet the equity standards. So I think when you're
15 talking about the sort of -- the equity principles
16 there, you want to start from your sort of outcome
17 metrics, and then work back to budget.

18 MS. KATE HART: And Dr. Clark, just so
19 we're clear, horizontal equity refers to the
20 distribution of benefits equaling the distribution of
21 the population, correct?

22 DR. TIMOTHY CLARK (BY SKYPE): Well,
23 that would be an example. So you could look at it in
24 terms of -- as I had mentioned earlier, you can look
25 at it in terms of distribution of participation vis-a-

1 vis distribution of -- of, like, ratepayers, or
2 population. But that is a potentially misleading
3 metric because energy consumption and energy costs are
4 much higher for First Nations.

5 So it would be better to look at things
6 like energy savings vis-a-vis energy consumption, or
7 even bill savings vis-a-vis share of the energy bills.
8 Because one (1) of the things you'll notice if you
9 look at in some of the Information Requests, they look
10 at the percentage of customers by segment and the
11 percent of energy consumption.

12 And if you look at residential, I think
13 it's about 85 percent of customers in residential is
14 only about 32 percent consumption for residential,
15 whereas for First Nations, it -- it's a 1:1 ratio,
16 which means -- which tells you that First Nations
17 customers are consuming a lot more energy than the
18 average residential customer.

19 MS. KATE HART: And Dr. Clark, I --
20 I'm going to take you to consumption in -- in just a
21 minute. But just -- just so that we're --

22 DR. TIMOTHY CLARK (BY SKYPE): Sorry.

23 MS. KATE HART: -- we're clear about -
24 - sorry, did you -- could you hear me there, or?

25 DR. TIMOTHY CLARK (BY SKYPE): Yeah,

1 yeah. Sorry. I -- I didn't mean to jump ahead on
2 you.

3 MS. KATE HART: No, no, no, no. Not a
4 problem at all. But just so that we're clear about
5 what your report is -- report is recommending, if I
6 could take you to page 157 of Board counsel Book of
7 Documents.

8 DR. TIMOTHY CLARK (BY SKYPE): Yes.

9 MS. KATE HART: So...

10

11 (BRIEF PAUSE)

12

13 MS. KATE HART: Sorry, Ms. Schubert.
14 It's 157. Thank you.

15 And so Dr. Clark, I believe that this
16 figure in your report attempts to show that horizontal
17 equity is not being met by the Plan.

18 Is that correct?

19 DR. TIMOTHY CLARK (BY SKYPE): Well,
20 yeah, in a sense. Yeah, it's -- it's -- yeah, that's
21 a fair characterization, I suppose.

22 MS. KATE HART: And just to go through
23 this chart, the -- the green bar shows that First
24 Nation on-reserve homes make up 5 percent of the
25 residential rate class.

1 Is that correct?

2 DR. TIMOTHY CLARK (BY SKYPE): Adjusted
3 for household size.

4 MS. KATE HART: Adjusted for household
5 size. Thank you. But the red bar shows that
6 participants in First Nation residential programs make
7 up only 1.1 percent of the participants in residential
8 programs under the Plan.

9 Is that correct?

10 DR. TIMOTHY CLARK (BY SKYPE): That's
11 right. The participants in the First Nation on-
12 reserve programs were -- and -- and again, that's a
13 conservative figure, because it didn't include
14 participation in the rebate programs, and some of
15 those other ones that have a much larger -- I tried to
16 do the comparison sort of the unit to unit. So where
17 the unit was a project or a household, then.

18 So yeah, that's -- that's a
19 conservative figure.

20 MS. KATE HART: Okay. Thank you for
21 that clarification. And then the purple bar shows
22 that only 3.2 percent of the costs for residential
23 programs are being spent on First Nation residential
24 programs.

25 Is that correct?

1 DR. TIMOTHY CLARK (BY SKYPE): Yes.

2 MS. KATE HART: Okay. So Dr. Clark,
3 what you're saying, then, in terms of horizontal
4 equity, is that you believe that the red bar and the
5 purple bar should be increased to equal the green bar?

6 DR. TIMOTHY CLARK (BY SKYPE): No. So
7 what I would say is that at a -- as a minimum
8 standard, the red bar -- the participation should
9 equal to green at a minimum.

10 Now to achieve that, the budget would
11 likely have to be larger. And this is my point about
12 starting at the outcome and working back to the budget
13 rather than starting at the budget and then working to
14 the outcome.

15 MS. KATE HART: Right.

16 DR. TIMOTHY CLARK (BY SKYPE): Because
17 they -- if you -- if you had the budget equal, then
18 the participation would still be lower. So I think
19 it's the outcome you want to begin at. The outcome
20 that you want, and then you work back to figure out
21 the budget that you need.

22 MS. KATE HART: Okay. Thank you, Dr.
23 Clark. And if I can take you now to page 156 of the
24 Board counsel Book of Documents.

25 DR. TIMOTHY CLARK (BY SKYPE): Yeah.

1 MS. KATE HART: And, Dr. Clark, I
2 believe that Figure 11 is also attempting to show
3 through consumption that horizontal equity is not
4 being met with respect to First Nation customers.

5 Is that correct?

6 DR. TIMOTHY CLARK (BY SKYPE): That's
7 -- that's right, looking at consumption and savings.

8 MS. KATE HART: And I think you
9 testified earlier today, Dr. Clark, that this would be
10 a robust version of hor -- horizontal equity, right?

11 DR. TIMOTHY CLARK (BY SKYPE): More so
12 than looking at participation, yes, because this is
13 more -- this is getting us closer to actual outcomes.

14 MS. KATE HART: And so here, Dr.
15 Clark, the blue bar, I believe, shows that on-reserve
16 First Nation customers make up 4 percent of total
17 electricity consumption, but the total energy savings
18 from -- from Indigenous programs in the plan, which is
19 the red bar, is less than 1 percent. Is that correct?

20 DR. TIMOTHY CLARK (BY SKYPE): That's
21 correct. And just to clarify, this is total electric
22 consumption, not just residential.

23 MS. KATE HART: And then if we're -- I
24 believe in this chart we're now turning to kind of the
25 residential perspective.

1 DR. TIMOTHY CLARK (BY SKYPE): M-hm.

2 MS. KATE HART: The orange bar shows
3 that First Nation on-reserve residential customers
4 account for over 7 percent of residential electricity
5 consumption, but that the energy savings from on-
6 reserve First Nation residential programs are less
7 than 5 percent. Is that correct?

8 DR. TIMOTHY CLARK (BY SKYPE): That's
9 correct, yes, yes.

10 MS. KATE HART: And so, Dr. Clark,
11 based on what you said earlier, I believe that what
12 you're -- you're saying in your report is that the
13 percentage of savings, the red and purple bars should
14 be increased to equal the blue and orange bars, is
15 that correct, so that the savings are equaling the
16 consumption?

17 DR. TIMOTHY CLARK (BY SKYPE): That's
18 right. That would be sort of the -- the horizontal
19 equity threshold.

20 MS. KATE HART: Dr. Clark, I just have
21 a few questions about ver -- vertical equity as well.

22 I believe that you --

23 DR. TIMOTHY CLARK (BY SKYPE): Sure.

24 MS. KATE HART: -- you say in your
25 report, and I think you testified earlier today, that

1 you don't believe that the plan meets the requirements
2 of vertical equity.

3 DR. TIMOTHY CLARK (BY SKYPE): That's
4 correct, yes.

5 MS. KATE HART: And could you just
6 explain for us what 'vertical equity' is?

7 DR. TIMOTHY CLARK (BY SKYPE): So to
8 use the figure that we're on here, which would be 11,
9 vertical equity would be a plan in which electrical
10 savings for First Nation customers would exceed share
11 of consumption.

12 So, it would be a disproportionate
13 benefit, as a means of recognizing and sort of
14 reconciling some of the -- the contextual factors that
15 I introduced in the earlier part of the report, such
16 as energy poverty and the more challenging socio-
17 economic indicators, housing issues, that kind of
18 stuff.

19 MS. KATE HART: And so --

20 DR. TIMOTHY CLARK (BY SKYPE): So
21 horizontal equity would look at proportionality and
22 vertical equity would then be a step farther to say,
23 well, actually to address some of these underlying or
24 deep-seated issues, the benefits should be
25 disproportional.

1 MS. KATE HART: Thank you, Dr. Clark.
2 And so just as an example, if we're still on 156 of
3 the Board counsel Book of Document, you would be
4 saying that the -- the savings here, the -- the red
5 and purple bars, would -- you would like to see them
6 exceed the blue and orange bars, according to vertical
7 equity.

8 DR. TIMOTHY CLARK (BY SKYPE): Well,
9 that -- that would -- that would be the standard of --
10 of vertical equity, yes.

11 MS. KATE HART: Okay, thank you.

12

13 (BRIEF PAUSE)

14

15 MS. KATE HART: Dr. Clark, during this
16 hearing, eff -- are you aware that Efficiency Manitoba
17 testified that on-reserve First Nation customers have
18 access to residential and income qualified programs?

19 DR. TIMOTHY CLARK (BY SKYPE): I was
20 aware of that fact, yes.

21 MS. KATE HART: And so --

22 DR. TIMOTHY CLARK (BY SKYPE):
23 Independently of the testimony.

24 MS. KATE HART: Thank you. And in
25 your report, have you taken into account the fact that

1 on-reserve First Nations can participate in the
2 residential programs and also the income qualified
3 program?

4 DR. TIMOTHY CLARK (BY SKYPE): I -- I
5 explicitly did not because I don't have any
6 information about the degree to which they do, and so
7 what -- then this is -- this relates back to the issue
8 of having better information, and in fact I suspect it
9 would -- it could potentially be, you know, better for
10 Manitoba -- or for Efficiency Manitoba in terms of --
11 in terms of demonstrating these equity criteria to
12 provide information on, you know, First Nation
13 participation in these other, you know, residential,
14 income qualified -- other programs.

15 But I -- I explicitly did not consider
16 that because I don't have any information on -- on the
17 level at which they do participate.

18 MS. KATE HART: Thank you, Dr. Clark.
19 And are you also aware that Efficiency Manitoba
20 testified that where there could be barriers to First
21 Nations accessing the broader residential programming,
22 Efficiency Manitoba is taking steps to ensure First
23 Nations do have access to them?

24 DR. TIMOTHY CLARK (BY SKYPE): I
25 wasn't aware that they had testified to that effect,

1 but that was certainly one (1) of the issues that I
2 raised in the report, was that there didn't appear to
3 be any sort of concrete plan to address those issues
4 at this stage.

5 MS. KATE HART: Dr. Clark, I'll turn
6 now to your recommendation for how funding, in your
7 opinion, could be adjusted under the plan in order to
8 address horizontal equity, ver -- vertical equity
9 issues.

10 DR. TIMOTHY CLARK (BY SKYPE): Are we
11 on a specific page?

12 MS. KATE HART: No, no. I don't have
13 a specific --

14 DR. TIMOTHY CLARK (BY SKYPE): No?
15 Okay.

16 MS. KATE HART: -- page for you. No.

17 DR. TIMOTHY CLARK (BY SKYPE): Okay.

18 MS. KATE HART: So I'm just wondering,
19 is it your recommendation that spending be increased
20 for the existing First Nation programs or measures
21 under the plan?

22 DR. TIMOTHY CLARK (BY SKYPE): Yes.

23 MS. KATE HART: And would that include
24 enabling strategies? You -- you testified earlier
25 that you believe a -- a sort of -- one (1) component

1 of the plan where there could be, I believe --
2 increased funding for First Nations would be enabling
3 strategies.

4 DR. TIMOTHY CLARK (BY SKYPE):

5 Absolutely, yes.

6 MS. KATE HART: Would you also
7 recommend that additional First Nations programs or
8 measures be created?

9 DR. TIMOTHY CLARK (BY SKYPE): Well,
10 yeah, I think I had proposed if First Nations are --
11 are interested in such a program, that an off-reserve
12 program be created.

13 MS. KATE HART: But apart from -- from
14 the off-reserve income qualified programs, are there
15 any other additional First Nation programs or measures
16 that you would recommend adding into this plan?

17 DR. TIMOTHY CLARK (BY SKYPE): No, not
18 at this point. And -- and just to -- to circle back,
19 I would say that because you're -- you're just dealing
20 with demand side, right, I think one (1) of the -- one
21 (1) of the issues -- the plan sometimes refers to
22 community energy plans and sometimes refers to
23 community energy efficiency plans, and it's an
24 important distinction because community energy
25 planning is something that is done with First Nations

1 in other jurisdictions, but the plans are more
2 comprehensive and also deal with supply-side issues,
3 particularly renewable energy generation on reserves.

4 So I think initiatives along those
5 lines -- now I'm not sure whether Efficiency Manitoba
6 would -- would understand that as within their
7 mandate, but I think one (1) of the benefits of the
8 enabling strategy and developing those relationships
9 with First Nations is that it would make it easier to
10 identify potential new offers to be made, identify
11 where there are market opportunity, and be able to
12 adjust moving forward the plan --

13 MS. KATE HART: Thank you, Dr. Clark.

14 DR. TIMOTHY CLARK (BY SKYPE): -- and
15 I think a big benefit of those enabling strategies.

16 MS. KATE HART: Thank you. If I could
17 take you to another topic now. I -- I'd like to ask
18 you some questions about non-energy benefits to First
19 Nations. And I --

20 DR. TIMOTHY CLARK (BY SKYPE): Sure.

21 MS. KATE HART: -- I think a concern
22 that you raised in your evidence is that the plan
23 appears to prioritize cost-effectiveness at the
24 expense of non-energy benefits to First Nations,
25 correct?

1 DR. TIMOTHY CLARK (BY SKYPE): Yes.

2 MS. KATE HART: And if I could turn to
3 page 163 of Board counsel Book of Documents.

4 DR. TIMOTHY CLARK (BY SKYPE): Okay,
5 yeah.

6 MS. KATE HART: So I believe this is
7 an IR response by Efficiency Manitoba to an AMC
8 question, correct?

9 DR. TIMOTHY CLARK (BY SKYPE): M-hm.

10 MS. KATE HART: And --

11 DR. TIMOTHY CLARK (BY SKYPE): yeah.

12 MS. KATE HART: -- AMC asked if
13 Efficiency Manitoba quantified any non-energy benefits
14 as part of its program selection and evaluation.

15 And here, Efficiency Manitoba states
16 that in the selection and evaluation of DSM programs,
17 it took into account only two (2) quantifiable non-
18 energy savings, reduced greenhouse gas and reduced
19 water consumption, correct?

20 DR. TIMOTHY CLARK (BY SKYPE): Yes.

21 MS. KATE HART: Would it be fair to
22 say, in your view, that these non-energy benefits do
23 not capture all of the potential non-energy benefits
24 that some DSM programs could have for First Nations?

25 DR. TIMOTHY CLARK (BY SKYPE):

1 Absolutely, yes.

2 MS. KATE HART: And what are the non-
3 energy benefits with respect to First Nations that you
4 believe Efficiency Manitoba should have taken into
5 account in selection and evaluation?

6 DR. TIMOTHY CLARK (BY SKYPE): Well,
7 there's a pretty wide range of potential benefits.
8 One (1) might be, you know, the issue of -- of
9 mitigation of energy poverty and bill reduction, which
10 is something that is more readily quantifiable.

11 And then there would be others that --
12 one (1) of the things that other jurisdictions have
13 found working energy efficiency with First Nations is
14 that things like capacity development and self
15 determination or autonomy tend to be significant
16 important factors for First Nations.

17 Now, those can be difficult to
18 quantify. But you can do things like use adders,
19 which some of the consultants for the plan had
20 suggested.

21 So there -- there's a pretty wide
22 range. Another non-energy benefit that you could
23 quantify would be the economic development
24 opportunities made or brought about by energy
25 efficiency program, or one (1) of the merits of the

1 plan, and this is something that, you know, I think
2 was inherited from Manitoba Hydro, was that the First
3 Nation programming places and emphasis on training and
4 the use of -- of First Nation businesses.

5 And so I think having some quantifiable
6 metrics on that would also be a useful addition to the
7 non-energy benefits, and it's again something that
8 would be more readily quantifiable than, you know,
9 sort of autonomy or self determination or -- or some
10 issues that are a little bit harder to -- to measure.

11 MS. KATE HART: Thank you, Dr. Clark.
12 Just one (1) last question for you on this subject.

13 If energy benefits had been properly
14 taken into account by Efficiency Manitoba, what
15 adjustments do you think would have been made to First
16 Nations programming or to the plan in general?

17 DR. TIMOTHY CLARK (BY SKYPE): Sorry,
18 do you mean non-energy benefits?

19 MS. KATE HART: Sorry. Non-energy
20 benefits, yes.

21 DR. TIMOTHY CLARK (BY SKYPE): Okay.
22 Well, I -- I would like to say that you would have a
23 greater emphasis on Indigenous programming, or First
24 Nation programming, sorry, in terms of the offer, but
25 then also in terms of the enabling strategies and the

1 potential economic development opportunities.

2 You -- when you -- when you start to
3 measure these things and include them, they become
4 sort of more tangible and more real. Because when
5 you're not measuring something, it tends not to be a
6 priority.

7 And so -- but, on the other hand, there
8 are sort of bigger sort of structural constraints,
9 right? If you have a sort of global energy savings
10 target and then a fixed budget to meet those targets,
11 right, then you're automatically constraining your --
12 your distribution, particularly insofar as you
13 distribute resources towards the less cost effective
14 programming.

15 And so I think that's a -- that's a --
16 that's an issue, and that's why I -- I say I prefer to
17 work back from outcomes to budget rather than work
18 from budget to outcomes, because I think that skews or
19 biases the process potentially away from these less
20 sort of cost-effective in the terms of energy savings
21 per dollars spent.

22 MS. KATE HART: Thank you, Dr. Clark.
23 I'd like to turn to one (1) last topic before I finish
24 today, which is coordination with the Federal
25 Government under the plan.

1 So during this hearing, or -- are you
2 aware, Dr. Clark, I should say during this hearing,
3 that Efficiency Manitoba testified that it's not
4 engaged in cost sharing discussions with the Federal
5 Government?

6 DR. TIMOTHY CLARK (BY SKYPE): I was
7 not aware of that, no.

8 MS. KATE HART: But in the plan
9 itself, do you believe that Efficiency Manitoba has
10 adequately addressed cost sharing?

11 DR. TIMOTHY CLARK (BY SKYPE): No, and
12 I would say in general there -- the issue of the
13 relationship with the Federal Government is not
14 adequately addressed.

15 You know, there's -- there's mentions
16 of well, we're going to coordinate with Indigenous
17 Services Canada or CMHC, but there's not a lot in the
18 way of specifics, which again is, I think, a more
19 endemic problem in the plan. At least in the sections
20 that I was more focused on, is that it seems like it's
21 -- it's more of a plan to do a plan, often times. You
22 know?

23 And it's like, well what's the plan?
24 Well, we're -- we're going to work on it. We're going
25 to talk with ISC, we're going to talk with CMHC, we'll

1 talk with the First Nations.

2 And so there's a general lack of
3 specifics and those carry over into relationships with
4 Federal authorities as well.

5 MS. KATE HART: And Dr. Clark, my
6 guess is that you are not aware of this, but
7 Efficiency Manitoba testified that there is a plan to
8 engage in funding discussions with the Federal
9 Government, but at the request of First Nations and
10 that Efficiency Manitoba will provide support.

11 My question to you is: Do you agree
12 with this approach?

13 DR. TIMOTHY CLARK (BY SKYPE): That --
14 that Efficiency Manitoba supports conversations
15 between First Nations and the Federal Government?

16 MS. KATE HART: I think specifically
17 that it would be at the request of First Nations.

18 DR. TIMOTHY CLARK (BY SKYPE): Oh,
19 okay. So -- so they will engage, but only at the
20 request of First Nations?

21 MS. KATE HART: Yes.

22 DR. TIMOTHY CLARK (BY SKYPE): Is that
23 -- is that what --

24 MS. KATE HART: Yes.

25 DR. TIMOTHY CLARK (BY SKYPE): -- what

1 was testified to?

2 MS. KATE HART: Yes.

3 DR. TIMOTHY CLARK (BY SKYPE): Okay,
4 yes. I think generally speaking that's a prudent
5 approach.

6 MS. KATE HART: And Ms. Schubert,
7 maybe just for clarification here, if we could put up
8 the transcript from January 7th. This is page 438.

9 And if we see, Ms. Steinfeld asks:

10 "Is there a plan for initiating or
11 beginning some of those
12 conversations..."

13 I'll -- I'll spare everyone having to
14 go up the transcript and follow down, but the -- and
15 Ms. Tuck answers:

16 "Yes, there will be. Yes, there is
17 a plan to engage with the Federal
18 Government, but at the request of
19 the First Nations."

20 So I'm -- I'm just wondering if -- if
21 this is an approach that -- that you would agree with.

22 DR. TIMOTHY CLARK (BY SKYPE): Well,
23 so one -- one (1) issue, I think it -- it's prudent
24 that one of -- this is a -- this is a tricky issue
25 because you've got jurisdictional sort of complexity

1 and overlap.

2 And so I think it's wise on the one
3 hand not to overstep your jurisdictional boundaries.

4 That being said, if you're not
5 developing strong relationships with the relevant
6 actors, then this sort of jurisdictional complexity
7 can collapse into sort of jurisdictional inertia.

8 And this is something you see in
9 disaster management, for instance, where provinces and
10 municipalities don't really engage First Nations
11 because it's a Federal responsibility, but Federal
12 Government, you know, says, well, it's really the
13 provincial responsibility.

14 And so, because none of the actors are
15 -- are really involved in building relationships, it -
16 - it basically just becomes sort of a status quo. And
17 so, I think on the one hand, there -- there's a
18 prudence in -- in wanting to work -- or -- or sort of
19 waiting for First Nation requests.

20 But on the other hand, if you're just
21 sitting in your office waiting for somebody to call
22 you, if they engage, I don't think that's a great idea
23 either.

24 I think -- and this, again, goes back
25 to the issue of enabling strategies and developing

1 relationships and developing First Nation capacity, is
2 that I think those are really the key to addressing
3 these jurisdictional issues.

4 MS. KATE HART: Thank you, Dr. Clark.
5 And just to touch on that, I -- I think in your report
6 you note that community energy plans can help
7 coordinate distinct funding streams from multiple
8 jurisdictions.

9 Is that correct?

10 DR. TIMOTHY CLARK (BY SKYPE): Yes.
11 That's absolutely one (1) of the major benefits of
12 planning.

13 MS. KATE HART: And I think you
14 testified earlier that Efficiency Manitoba has
15 proposed community energy plans.

16 Are you aware if they incorporate
17 coordination of funding streams?

18 DR. TIMOTHY CLARK (BY SKYPE): I don't
19 have any information on -- we weren't able to get any
20 information on specifics of those plans. I suspect
21 that they're community energy efficiency and not
22 community energy plans, so the language is a little
23 confusing in the plan.

24 And I'm not certain whether those plans
25 will involve coordination, though they certainly

1 should.

2 MS. KATE HART: Thank you, Dr. Clark.
3 If I could just take a moment. Mr. Chair, I'd like to
4 thank Dr. Clark for his responses to my questions. I
5 have no further questions.

6 THE CHAIRPERSON: Thank you, Ms. Hart.
7 I'll ask the panel if they have any questions. Ms.
8 Kapitany...?

9 THE VICE-CHAIRPERSON: Dr. Clark, you
10 spoke about community energy plans and community
11 energy efficiency plans.

12 Could you elaborate on the distinction
13 between them and why you believe it's important to
14 make that distinction?

15 DR. TIMOTHY CLARK (BY SKYPE): Sure.
16 So, community -- community energy planning is the more
17 common approach used in other jurisdictions in Canada.

18 And community energy plans are fairly
19 comprehensive documents, and -- and so they deal with,
20 not only so the demand-side efficiency concerns, but
21 also issues like, you know, supply side, electricity
22 generation, and also tend to have sort of longer term
23 targets, you know, related to energy consumption,
24 energy generation, but then also tend to sort of
25 connect into other plans, like housing plans.

1 Now, a community energy efficiency
2 plan, which is, I believe, what Efficiency Manitoba is
3 proposing, it's not entirely clear to me what that
4 will encompass. I suspect, given that they've made
5 the distinction, that it will be a more narrow
6 planning process focussed largely on, you know, energy
7 efficiency programs.

8 But, again, I -- I haven't seen any
9 information on that from Efficiency Manitoba, so I
10 can't say with certainty. But I would say that --
11 that one (1) strikes me as being a more narrow
12 approach and the community energy planning process is
13 -- is much broader and I think it much more
14 potentially beneficial.

15 THE VICE-CHAIRPERSON: Thank you.

16 THE CHAIRPERSON: Dr. Clark, I have a
17 question. I just want to get straight in my mind one
18 (1) point.

19 Your recommendation for off-reserve
20 First Nation programs, is it that standard or is it --
21 are you proposing off-reserve income qualified
22 programs?

23 DR. TIMOTHY CLARK (BY SKYPE): Well, I
24 -- I mentioned income qualified programs because
25 there's a Metis income qualified program. So,

1 clearly, there's sort of a recognition on behalf of
2 Manitoba of the potential value of this.

3 Now, that being said, I don't think you
4 would have to restrict an off-reserve First Nation
5 offered to the income qualified segment.

6 THE CHAIRPERSON: Okay. Thank you.
7 Dr. Grant, a question? Okay.

8 I believe, Dr. Clark, that's the end of
9 your testimony. We thank you very much for -- for
10 participating by Skype.

11 DR. TIMOTHY CLARK (BY SKYPE): Well,
12 thank you very much for having me and for all the work
13 that you're doing.

14 THE CHAIRPERSON: Thank you. I
15 appreciate it. Now, Ms. Schofield, do you have some
16 documents?

17 MS. JESSICA SCHOFIELD: Yes, Mr.
18 Chair, I do have an undertaking to file.

19 THE CHAIRPERSON: Okay. Great.

20 MS. JESSICA SCHOFIELD: And I believe
21 it will be Efficiency Manitoba Exhibit 25. And so, it
22 is a response to Undertaking number 1 given to Board
23 counsel.

24

25 --- EXHIBIT NO. EM-25: Response to Undertaking

1 number 1

2

3 THE CHAIRPERSON: Okay. Thank you.

4 Anything further, Ms. Hart?

5 MS. KATE HART: No. I think, at this
6 time, we could -- it would be appropriate for the
7 break -- or, oh, no.

8 THE CHAIRPERSON: Well, I think -- I
9 think we're adjourning --

10 MS. KATE HART: We are adjourning.

11 THE CHAIRPERSON: -- for the day. And
12 there other matters. We'll adjourn until 9:00 a.m. on
13 Monday. Have a good weekend. Thank you.

14

15 --- Upon adjourning at 10:31 a.m.

16

17

18 Certified Correct,

19

20

21 _____

22 Donna Whitehouse, Ms.

23

24

25