

1 ((9:30 a.m.)

2 MR. NOSEWORTHY, CHAIRMAN: Before we get started

3 I wonder could I ask counsel if there are any preliminary

4 matters, counsel?

5 MR. KENNEDY: Not that I'm aware of, Chair.

6 MR. NOSEWORTHY, CHAIRMAN: Okay. If there are

7 none, perhaps we could just continue on with the cross of

8 the industrial customers of Ms. McShane. Good morning,

9 Ms. McShane.

10 MS. McSHANE: Good morning.

11 MR. NOSEWORTHY, CHAIRMAN: How are you? Good

12 morning, Mr. Hutchings.

13 MR. HUTCHINGS: Good morning, Mr. Chair. Thank you,

14 Good morning, Ms. McShane.

15 MS. McSHANE: Good morning.

16 MR. HUTCHINGS: I do have the two calculations that we

17 discussed late yesterday and we'll get to those in a few

18 moments and we can have a few questions on those.

19 Before we get to that though, just to try to put our

20 discussions of yesterday in a little bit of context, could you

21 tell me what you would define as being business risk for

22 any given enterprise?

23 MS. McSHANE: Business risk is the variability in

24 operating revenues and the probability of losing part or all

25 of the capital that's invested.

26 MR. HUTCHINGS: And that business risk, I presume,

27 simply arises from the nature of the operations that a

28 particular enterprise is carrying on.

29 MS. McSHANE: Correct.

30 MR. HUTCHINGS: Does that business risk change with

31 the capital structure of the company carrying on the

32 enterprise?

33 MS. McSHANE: In principle, no. They are independent.

34 There is some interdependence in a sense that if the

35 financial risk to a company is very high, there may be a

36 tendency for managers to focus, to have to focus too much

37 on the financial parameters of the company in lieu of

38 focusing on operating a business.

39 MR. HUTCHINGS: Okay. So that's the risk of financial

40 distress.

41 MS. McSHANE: Yes.

42 MR. HUTCHINGS: Yes, okay. And I guess it's fair to say

43 that that generally presents itself in very highly leveraged

44 companies.

45 MS. McSHANE: It would ... there is always a risk there,

46 but, yes, the financial distress itself is apt to be actually

47 incurred at, in highly leveraged companies.

48 MR. HUTCHINGS: Okay. So the risk of it occurring is

49 greater in highly leveraged companies.

50 MS. McSHANE: Yes.

51 MR. HUTCHINGS: Yes, okay, alright. I wonder if we could

52 go now to the pre-filed evidence of Dr. Vilbert (phonetic),

53 and I want to ask you to look at **Exhibit MJV-1**, to that

54 evidence. I take it you've had an opportunity to look at this

55 evidence, have you, Ms. McShane?

56 MS. McSHANE: Yes.

57 MR. HUTCHINGS: Okay. The exhibit that's before us

58 purports to be based upon your recommended cost of

59 equity and the implied ATWACC. Are you familiar with

60 the term ATWACC?

61 MS. McSHANE: Yes.

62 MR. HUTCHINGS: Okay. And what do you understand

63 ATWACC to represent?

64 MS. McSHANE: The after-tax weighted average cost of

65 capital.

66 MR. HUTCHINGS: Okay. Would you agree that column

67 seven in this exhibit represents a correct arithmetical

68 calculation of the ATWACC based upon the assumptions

69 that appear in the previous columns?

70 MS. McSHANE: The math is correct but none of the

71 assumptions are correct.

72 MR. HUTCHINGS: Okay. When you say none of the

73 assumptions are correct, well let's start and look at them

74 individually. Looking at the first group of figures, at the

75 forecast capital structure in 2000, your recommended return

76 on equity, which I think you told us yesterday is your

77 recommendation for 2002 as an appropriate return is 11.25

78 percent. Is that correct?

79 MS. McSHANE: The point of departure is ...

80 MR. HUTCHINGS: Okay. Now, before you start with

81 "but," can you give me a yes or a no. Is ...

82 MS. McSHANE: Yes, the recommended return is 11.25 but

83 ...

84 MR. HUTCHINGS: Alright. Now ...

85 MS. McSHANE: But the ...

86 MR. HUTCHINGS: ... carry on, yeah.

87 MS. McSHANE: But the point of departure is a capital

88 structure of 60/40, so if I were going to fill in this table, I

89 would come down to the third heading where it says "At 40

90 percent equity capital," and I would replace virtually every

1 number in there with ... the 9.75 is not my recommended
2 return on equity at 40 percent equity.

3 MR. HUTCHINGS: Yes. We understand that after our
4 discussions of yesterday, that you're actually
5 recommending 11.25.

6 MS. McSHANE: Correct.

7 MR. HUTCHINGS: Yes, okay.

8 MS. McSHANE: So it seems to me that you have to start
9 by, if you want to carry through this analysis, that you
10 have to start by putting the appropriate numbers in that
11 line and coming up with what the implied after-tax weighted
12 average cost of capital is assuming 11 1/4 percent return on
13 equity, a 40 percent common equity ratio, a cost of debt
14 less the guarantee fee to come up with the implied after-tax
15 weighted average cost of capital, not the numbers that are
16 in there, so I find it very difficult to ...

17 MR. HUTCHINGS: Alright.

18 MS. McSHANE: ... to make any sense of these numbers
19 because the premises I think are incorrect.

20 MR. HUTCHINGS: Okay. Well, I think it may reflect some
21 misunderstanding on our part of your position, but my
22 understanding was, from your pre-filed evidence and your
23 evidence of yesterday, that your recommendation for a rate
24 of return on equity for Newfoundland and Labrador Hydro
25 with its existing debt equity ratio in 2002 was 11.25 percent.

26 MS. McSHANE: That's correct, including the one percent
27 guarantee fee.

28 MR. HUTCHINGS: Yes, I understand that. And that, the
29 effect of the one percent guarantee fee makes the cost of
30 debt 8.35 as ...

31 MS. McSHANE: Yes.

32 MR. HUTCHINGS: ... opposed to 7.35. Okay, alright. So
33 if we can though go back to the top line at the forecast
34 capital structure in 2002 and deal with the second line
35 below that, 11.25 percent, are we in agreement that the 11.25
36 percent is in fact correct, even on the assumption of an
37 85/15 debt equity arrangement?

38 MS. McSHANE: That's what I've recommended, yes.

39 MR. HUTCHINGS: Yes, okay. So the 11.25 is there. The
40 percent of equity is 15.27 and I think that's a given. Is that
41 the appropriate number to use there?

42 MS. McSHANE: The numbers are not incorrect but again,
43 I mean, the premise is not correct, because what is being
44 assumed here is that by putting all of these numbers
45 together, that you actually arrive at what would be the true
46 cost of capital to a company with 85 percent debt, 15
47 percent equity. What my analysis was doing was to

48 acknowledge that a company that has an 85/15 capital
49 structure is, by reference to the capital structures
50 maintained by the typical utility over-leveraged, and
51 therefore in the real world the cost of capital that it would
52 incur would be higher than necessary, so my
53 recommendations have taken the cost of capital that would
54 apply to an appropriately financed utility and essentially
55 concluded that the ratepayers of Newfoundland and
56 Labrador Hydro should pay no more than that. So I have
57 not actually calculated the after-tax weighted average cost
58 of capital for a company that's financed 85/15. If I had, if I
59 had gone through the approach that I was suggesting to
60 you that I might do, which is to start with the 40 percent
61 equity financed capital structure and calculated the implied
62 after-tax weighted average cost of capital ... trying to see
63 what document Vilbert used as the tax rate ...

64 MR. HUTCHINGS: Represents the tax rates in column six,
65 40 percent.

66 MS. McSHANE: Sorry, okay, that's fine, and in the example
67 that I worked out for myself, did the same, used the same
68 tax rate. That the actual after, before-tax weighted average
69 cost of capital at an 85/15 capital structure would be
70 approximately 10 percent, and I'm not recommended that
71 the Board approve a weighted average cost of capital that
72 is consistent with that, but rather a weighted average cost
73 of capital which is consistent with a 60/40 capital structure
74 and therefore has a lower overall cost of capital.

75 MR. HUTCHINGS: Okay. I just want to confirm that I
76 understand what you were saying in reference to the, what
77 I thought I heard you say was the appropriate before-tax
78 weighted average cost of capital in that situation would be
79 10 percent?

80 MS. McSHANE: I don't know if I like the word
81 "appropriate." It would be the approximately actual.

82 MR. HUTCHINGS: Okay, alright. So the 8.66 percent here
83 as implied BTWACC, you would say should, in reality, be
84 around 10.

85 MS. McSHANE: That's correct.

86 MR. HUTCHINGS: Okay, alright. With an implied
87 BTWACC of 10 percent, what would be the required return
88 on equity?

89 MS. McSHANE: Approximately ... if you assume that the
90 cost of debt is the 8.35, it would be approximately 20
91 percent.

92 (9:45 a.m.)

93 MR. HUTCHINGS: Alright. So as I understand your
94 position now, the existing situation of Hydro with an 85/15
95 debt equity ratio would imply on a stand-alone basis that
96 it would need roughly a 20 percent return on equity.

- 1 MS. McSHANE: Yes.
- 2 MR. HUTCHINGS: Okay.
- 3 MS. McSHANE: According to the after-tax weighted
4 average cost of capital methodology that's presented here,
5 that would be what would be indicated, yes.
- 6 MR. HUTCHINGS: Yes, okay. And I suspect that in reality
7 even a 20 percent rate of return on equity wouldn't be a
8 practical solution to Hydro's problem, would it?
- 9 MS. McSHANE: No. I think that the practical solution is
10 to determine what the overall cost of capital would be if it
11 were appropriately financed, allow that overall cost of
12 capital and there should be enough return to compensate
13 the debtholders (phonetic-one word?-marked only once) to
14 pay the guarantee fee and to have left over a reasonable
15 return on the equity.
- 16 MR. HUTCHINGS: But the cost of debt that's shown on
17 the line which we've been looking at, the one that starts
18 with 11.25 percent, is shown as 8.35 percent, and that
19 includes the guarantee fee, correct?
- 20 MS. McSHANE: Yes.
- 21 MR. HUTCHINGS: So in reality Hydro's solution to its
22 problem of being over-leveraged has been to pay for and
23 obtain a guarantee, correct?
- 24 MS. McSHANE: Yes.
- 25 MR. HUTCHINGS: So some portion of Hydro's risk has
26 been taken up by the guarantor, that being specifically the
27 default risk on the debt.
- 28 MS. McSHANE: Correct. That's true.
- 29 MR. HUTCHINGS: Okay. So do not the numbers that
30 appear on that line nonetheless in total represent the entire
31 business risk of Hydro?
- 32 MS. McSHANE: When you say the numbers that appear
33 on that line, I don't understand what you mean by that.
- 34 MR. HUTCHINGS: Well ...
- 35 MS. McSHANE: The numbers that would appear on ... if
36 we ... if you go through this analysis with Dr. Vilbert's
37 methodology, what he's saying is that whether or not
38 Hydro's capital structure changes, that its after-tax
39 weighted average cost of capital stays the same over a
40 broad range of capital structures.
- 41 MR. HUTCHINGS: Correct.
- 42 MS. McSHANE: Okay. Now, we may have a disagreement
43 as to whether that's true, whether indeed over a broad
44 range of capital structures it stays the same, and we may
45 have a disagreement over whether it's relevant in this case
46 because Hydro doesn't even pay income taxes, so, you
- 47 know, we're starting with a premise that effectively is moot
48 because they're not taxable in the same way an investor-
49 owned utility is, but just following through his approach,
50 he would say that if I say that weighted average cost of
51 capital should be, after tax, his number is 6.83, and if I
52 change the 9.7, I'm sorry, if you go down to the third line,
53 at 40 percent equity capital, and if you use 11 1/4 in place
54 of the 9.75 and you use, let's say, 7.35 in place of the 8.35 ...
- 55 MR. HUTCHINGS: Yeah. Well that's the line below you
56 actually. The next line down uses the 7.35.
- 57 MS. McSHANE: Okay. Oh, I'm sorry. Well let's use that
58 line because we don't have to change as many numbers
59 that way. Okay. So we'll just change that on the last line,
60 the 9.75 to 11 1/4, and so we would come up with
61 something a little bit higher than the 6.48. It would be, I
62 think, about 6.9 percent. But following the logic of the
63 methodology, then that number, coming up to, back to the
64 first line, should be the same. It should be 6.9 percent.
65 And then the implied before-tax weighted average cost of
66 capital would be 10. something percent as opposed to the
67 last line where it's, the 8, 9 percent range. I'm not being
68 precise because I don't have the exact return on equity in
69 there, but the point being that what I'm asking the Board to
70 do is not to approve a before-tax weighted average cost of
71 capital, if you will, that reflects the higher capital structure
72 according to Dr. Vilbert's methodology, but rather the one
73 that is consistent with an appropriately financed utility.
- 74 MR. HUTCHINGS: Your position then is that even with the
75 provision of the provincial guarantee, you don't regard
76 Hydro as being an appropriately financed utility?
- 77 MS. McSHANE: All I'm saying is that according to this
78 philosophy, that the weighted average after-tax cost of
79 capital stays the same but the before-tax weighted average
80 cost of capital is higher, and this is what the after-tax
81 weighted average cost of capital methodology is all about,
82 and so all I'm saying is that, no. I'm not asking the Board to
83 approve a cost of capital that's consistent with those
84 numbers. I'm asking the Board to say here's the appropriate
85 cost of capital, it's approximately 8.85 percent, it goes up if
86 you change the capital structure to this level because of
87 the implication here of the tax, and there's no reason for
88 ratepayers to pay that amount.
- 89 MR. HUTCHINGS: Your last phrase there, it goes up ... can
90 you just repeat what you said?
- 91 MS. McSHANE: I think I said it goes up because of the tax
92 ...
- 93 MR. HUTCHINGS: And what is it that goes up because of
94 the tax?
- 95 MS. McSHANE: The before-tax weight ...

1 MR. HUTCHINGS: Before-tax weighted average cost of
2 capital.

3 MS. McSHANE: Weighted average cost of capital. So in
4 other words you have to, according to this methodology,
5 you end up adjusting the debt component of the capital
6 structure by one minus the tax rate.

7 MR. HUTCHINGS: Okay. But you accept that according
8 to this methodology the ATWACC remains constant.

9 MS. McSHANE: Yes. That's what this methodology
10 would say.

11 MR. HUTCHINGS: Okay.

12 MS. McSHANE: And I was just going through and
13 following the logic of this table to say that if that's true,
14 then the implied after-tax weighted average cost of capital
15 at 40 percent equity should be the same as at 15 percent
16 equity.

17 MR. HUTCHINGS: Yes.

18 MS. McSHANE: But that the before-tax weighted average
19 cost of capital, according to this methodology, would be
20 higher if there was actually only 15 percent equity in place
21 for a company which doesn't pay taxes.

22 MR. HUTCHINGS: Yes. So as equity increases, the before-
23 tax weighted average cost of capital will decrease.

24 MS. McSHANE: According to this methodology, that's
25 correct, but if we're not starting from the higher cost of
26 capital to begin with, if we're not saying to the Board,
27 please approve a pre-tax or a before-tax average weighted
28 cost of capital of 10 percent now and when we get to 40 it'll
29 only be 8.85, what we're saying is we recognize that the
30 cost of capital is higher to ratepayers, so we're not asking
31 to be compensated for having 85/15 capital structure
32 according to this methodology. We're simply asking to
33 have the cost of capital set at a level consistent with capital
34 structures and cost of capital that would be incurred by
35 appropriately financed utilities.

36 MR. HUTCHINGS: Is it correct of me to conclude then that
37 in respect of the year 2002, with an 85/15 debt equity ratio,
38 your recommended return on equity should be 20 percent?

39 MS. McSHANE: No, it's not, because it's not based on ...
40 it's based on an overall cost of capital on the premise of an
41 appropriately financed utility.

42 MR. HUTCHINGS: Well, I mean, but do we not have to
43 deal with how Hydro is in fact financed in 2002?

44 MS. McSHANE: We have to deal with it but at the same
45 time we have to deal with it in a way that makes sense, and
46 to me it doesn't make sense to ask the ratepayers to incur
47 an equity cost of 20 percent when, if the utility were
48 financed in a way consistent with business practice in the
49 industry, the cost of equity would be 11 1/4.

50 MR. HUTCHINGS: So in terms of the business risk of
51 Hydro in 2002, is it correct to say that the 11.25 percent
52 does not adequately compensate equity holders?

53 MS. McSHANE: Overall the stakeholders are
54 approximately, would be approximately compensated
55 through the return on equity, the guarantee fee and the
56 cost of debt, as indicated in this other table that I presented
57 for you.

58 MR. HUTCHINGS: Okay.

59 MS. McSHANE: So the question to my mind is to make
60 sure that the total return which is deemed appropriate for
61 an appropriately financed utility is determined and the
62 various amounts can be distributed to those stakeholders
63 in the manner represented in this table that I gave you
64 called "Cost of Capital Analysis."

65 MR. HUTCHINGS: Okay. I want to get to that in a
66 moment, but just so I'm clear on what you're saying now,
67 with 11.25 percent on equity, a one percent guarantee fee,
68 and a cost of debt of 7.35 percent, in 2002 all the
69 stakeholders are approximately compensated appropriately,
70 is that ...

71 MS. McSHANE: Can you just repeat it? I think I
72 understood what you said. I just want to make sure that I
73 don't say yes to ...

74 MR. HUTCHINGS: Okay. With an 11.25 percent return on
75 equity ...

76 MS. McSHANE: Yes.

77 MR. HUTCHINGS: ... a one percent guarantee fee ...

78 MS. McSHANE: Yes.

79 MR. HUTCHINGS: ... and a 7.35 cost of debt, in 2002 all of
80 the stakeholders are approximately compensated
81 appropriately.

82 MS. McSHANE: They would be, yes.

83 MR. HUTCHINGS: And arithmetically, once we accept
84 that, the implied ATWACC for 2002 is 5.89 percent. Is that
85 not correct?

86 MS. McSHANE: Well the implied ATWACC starts with ...
87 if you're going to take this approach, you have to start with
88 where you started, which is with determining the cost of
89 capital for proxy companies, so you start with the after-tax
90 weighted average cost of capital for those companies. So,
91 no, the appropriate point of departure for this
92 methodology, since we start with companies that are
93 regulated on and maintain capital structures of
94 approximately 60/40, it's their after-tax weighted average

1 cost of capital, if you will, that becomes the benchmark.
2 That number, as we've discussed earlier today, is about 6.9
3 percent, which then, in this approach, becomes a proxy for
4 the after-tax weighted average cost of capital for Hydro,
5 even though Hydro doesn't pay tax, not the 5.89, because
6 that wasn't where we started.

7 (10:00 a.m.)

8 MR. HUTCHINGS: Is it not appropriate in the analysis to
9 regard the debt guarantee as standing in the place of the
10 additional equity which the stand-alone IOUs rely upon to
11 maintain their debt rating?

12 MS. McSHANE: Some of it, yes.

13 MR. HUTCHINGS: What do you mean by some of it?

14 MS. McSHANE: The debt guarantee fee is in principle a
15 fee for incurring the financial risk.

16 MR. HUTCHINGS: The default risk.

17 MS. McSHANE: Right. And as long as the equity earns
18 an 11 1/4 percent return, then the amount of the guarantee
19 fee is approximately correct, but if you actually went
20 through the analysis and said, okay, what I want to do is
21 determine what the cost of equity is assuming no financial
22 risk at all, all the financial risk has been passed off to the
23 guarantor, and what's the cost of equity if I've got no
24 financial risk? I could come up with that number. And then
25 I ... and I know what the cost of debt would be if I have a
26 guarantee, and then I could determine what implicitly the
27 guarantee fee would have to be to make sure that the
28 guarantor is appropriately compensated for taking all of the
29 financial risk. But that's not the only way of looking at this.
30 The other way of looking at this is to say, and this is the
31 approach that I've taken, is to say what is the cost of
32 capital to an investor-owned company, and it's
33 approximately 8.85 percent. What is the cost of debt to
34 Hydro with the guarantee fee but before, sorry, before the
35 guarantee fee, what can I raise the debt at because I've
36 obtained a guarantee, and basically determine whether the
37 overall compensation as among the three parts, debt
38 guarantee fee and return on equity is similar to the overall
39 cost of capital that would be incurred by a reasonably
40 financed utility, and it is.

41 MR. HUTCHINGS: So where we've come to is that your
42 view of the ATWACC of Hydro is in the range of 6.9
43 percent.

44 MS. McSHANE: That's what ... this is not my evidence.

45 MR. HUTCHINGS: No, and I understand that.

46 MS. McSHANE: This is Dr. Vilbert's evidence.

47 MR. HUTCHINGS: Uh hum, yeah.

48 MS. McSHANE: But if I go through this analysis, I start
49 with a proposition that I'm using proxy companies which
50 are investor-owned companies because those are the only
51 companies that actually have market data, the analysis
52 would indicate that their implied ATWACC is 6.9 percent,
53 that would be applicable to Hydro if you ignore the fact
54 that they don't pay taxes, and therefore, according to this
55 methodology, the implied after-tax weighted average cost
56 of capital stays the same if I move to a 15 percent common
57 equity ratio and implicitly then the before-tax weighted
58 average cost of capital is about 10.2 percent. That's the
59 fallout of the model.

60 MR. HUTCHINGS: Okay. So if I understand what you're
61 telling me, if I plugged in, in the third line in this table here
62 where we had 11.25 percent, and an implied ATWACC of
63 5.89, plugged in the 6.9 there, arithmetically we would come
64 up with something like 20 percent as the recommended
65 return on equity.

66 MS. McSHANE: On line, which line is that, I'm sorry?

67 MR. HUTCHINGS: It's the second line below at the
68 forecast capital structure in 2002.

69 MS. McSHANE: That's what the implied return on equity
70 would be according to this methodology. (inaudible)
71 recommended 20 percent.

72 MR. HUTCHINGS: But your view of the business risk of
73 Hydro implies a 6.9 percent ATWACC, is that correct?

74 MS. McSHANE: My view of the risk of Hydro as a stand-
75 alone utility would imply ... again, if you assume that it was
76 tax paying, 6.9 percent. This is similar to other utilities in a
77 similar business risk position.

78 MR. HUTCHINGS: Okay. Let's turn to your exhibits, and
79 we should probably mark these for the purpose of
80 identification on the record, the cost of capital analysis, I
81 might suggest, KM-1.

82 MR. KENNEDY: **KM-1**, yeah.

83 **EXHIBIT KM-1 ENTERED**

84 MR. HUTCHINGS: And determination of revenue
85 requirement under rate base methodology for a
86 hypothetical utility, KM-2.

87 **EXHIBIT KM-2 ENTERED**

88 MR. HUTCHINGS: Perhaps before I ask you a specific
89 question on the cost of capital analysis, Ms. McShane, you
90 might wish to just take us through this and explain how
91 you have followed through the steps that are outlined here.
92 I do this simply because everyone just got this this
93 morning, so.

94 MS. McSHANE: Absolutely, not a problem. I started by

1 estimating what the cost of capital would be to a
2 representative Triple B rated utility in Canada with a
3 representative capital structure of 60 percent debt and 40
4 percent common equity. The cost of debt to a Triple B
5 rated utility would be approximately 7 1/4 percent, and that
6 represents about 125 bases points over a six percent
7 Canada yield, six percent 30-year Canada yield, and an 11
8 1/4 percent return on equity calculated using the various
9 tests that I typically use to estimate a fair return on equity,
10 which would give us a cost of capital of 8.85 percent. That
11 would be the cost of capital that would be incurred by
12 Hydro on a stand-alone basis. Hydro has, as you pointed
13 out, a guarantee, and they pay a guarantee fee. They also
14 have a capital structure which only has about 85, 15
15 percent equity and 85 percent debt. What I was trying to
16 determine was if the cost of capital should be approximately
17 8.85 percent, and no higher than that, and the shareholder
18 receives a normal return on the equity that is in place, that
19 being 11.25 percent, and the debtholders receive their
20 interest costs at 7 1/4 percent, what's left over for the
21 guarantee fee, and that is about 1.18 percent, which, to my
22 mind, is reasonably close to the one percent that is actually
23 paid to the Provincial Government. So, in my opinion,
24 paying the one percent guarantee fee to the province and
25 paying a normal rate of return on equity to the existing
26 equity appropriately compensates all of the capital
27 providers in Hydro.

28 MR. HUTCHINGS: Okay. The item under cost in the
29 second table as it relates to guarantee fee has two asterisks
30 on it and refers to a note down below, calculated as one
31 divided by .85, can you just explain the rationale of that
32 calculation?

33 MS. McSHANE: Certainly. I start with the proposition that
34 the overall cost of capital should be 8.85, the bottom line on
35 the table. Are you with me on that?

36 MR. HUTCHINGS: Yes.

37 MS. McSHANE: I know that the ...

38 MR. HUTCHINGS: I accept that that's the proposition
39 we're starting with, yeah.

40 MS. McSHANE: Okay, that's fine. I'm not going to make
41 you agree with things you don't want to agree to. I know
42 that the cost of debt is about 7 1/4 percent, so I multiply the
43 85 percent proportion of debt times the 7 1/4 percent cost,
44 and that gives me the weighted cost of debt. I know that
45 the proportion of common equity is 15 percent
46 approximately and that I'm recommending a return on that
47 equity of 11 1/4 percent, so that if I, so that the weighted
48 component of equity is thus 1.69 percent. So if I take the
49 two components that I now do now, the 6.16 and the 1.69
50 and add them together, that gives me 7.85 percent, which
51 leaves a one percent weighted component available for the

52 guarantee fee, but since there's 85 percent debt in the
53 capital structure to which that guarantee fee needs to
54 apply, I would take the one percent and divide it by the
55 percentage of debt in the capital structure to come up with
56 a cost rate, if you will, of 1.18 percent, which is analogous
57 to the one percent guarantee fee that's currently being paid.

58 MR. HUTCHINGS: So essentially that's just backing in to
59 the 1.18, assuming the 85 and ...

60 *(10:15 a.m.)*

61 MS. McSHANE: Yes, it is, and the point being that all of
62 the stakeholders are appropriately compensated. If the
63 guarantor and the common equity holder were different
64 entities, then you would have to go beyond this obviously
65 to make sure that each was appropriately compensated for
66 the specific components of risk that they're assuming, but
67 in this case since they are the same entity, it's not as critical
68 to divide up the guarantee fee and the return on equity as
69 long as in total the cost of capital is appropriate and all of
70 the stakeholders are appropriately compensated.

71 MR. HUTCHINGS: I'm still puzzled by your need to add
72 that caveat when we talk about this. I mean, if, as you
73 recommend, the 11.25 is the correct number for equity,
74 doesn't the guarantee fee automatically fall out no matter
75 who it's being paid to?

76 MS. McSHANE: The 11.25 percent is the return on equity
77 that would be applicable at a 60/40 capital structure. I have
78 done the analysis to determine whether or not, given this
79 guarantee fee at the level that it is at, whether the 11 1/4
80 percent return for a 60/40 capital structure is reasonable,
81 and given the level of the guarantee fee, it is a reasonable
82 return on common equity.

83 MR. HUTCHINGS: Okay. I've heard your explanation on
84 that, and that deals with the issue that we spoke of
85 yesterday in terms of the ability to calculate or estimate the
86 appropriateness of the guarantee fee, and as I said
87 yesterday, I don't think that's essentially being put in issue
88 in practical terms here. If we can turn now to **KM-2**, and on
89 the same basis I'd ask you to just take everyone through
90 that, given that we've only seen it this morning.

91 MS. McSHANE: And I apologize in advance if this wasn't
92 exactly what you wanted because in retrospect, going back
93 and thinking about what you asked for, I have to admit I
94 wasn't 100 percent sure that we were on the same
95 wavelength, so I'm hoping that this covers what you had
96 intended for me to produce, and basically what I tried to do
97 in this table is to show for an investor-owned utility how
98 you would arrive at the total revenue requirement that
99 would be incurred to service capital, and you would start
100 with the proposition that the capital structure in place is, in
101 this hypothetical utility, 60/40 debt equity, and that the

1 cost of debt is 7 1/4 percent and the cost of equity is 11 1/4
2 percent, and again, similar to the table that we just looked
3 at, we would calculate the weighted cost of each of those
4 components and arrive at a cost of capital of 8.85, but an
5 investor-owned utility has to pay income taxes as well, so
6 the total revenue requirement for the capital providers has
7 to be grossed up by the amount of income tax that must be
8 incurred in order for the utility to actually achieve the 11 1/4
9 percent return on equity, and if you assume that the utility
10 incurs income taxes at a 40 percent rate, the total revenue
11 requirement for capital providers is not 8.85 but 11.85, and
12 then I've created here a very simple income statement which
13 shows that if you take the 11.85 total revenue requirement
14 for the capital providers, you deduct the interest expense,
15 which is 4.35, which can be found on the upper table as the
16 weighted cost of debt, you then subtract that from the
17 11.85 which gives you the pre-tax revenue available to the
18 common equity holders of 7.5 percent. And the next line
19 represents the additional income which was required to pay
20 the related income taxes on the earnings, if the tax rate is 40
21 percent, of three, which gives you the required after-tax
22 return on equity of 4.5, which then in total would, the 4.5
23 required after-tax return on equity added to the 4.35 interest
24 expense gets you back to the 8.85 return on capital.

25 MR. HUTCHINGS: Looking at your first table under the
26 "Assumptions," the weighted cost of debt that's shown
27 there as 4.35, is that a before or after-tax cost?

28 MS. McSHANE: That is a before-tax cost.

29 MR. HUTCHINGS: Okay. Looking at the equity item of 4.5,
30 is that before or after tax?

31 MS. McSHANE: That is an after-tax cost.

32 MR. HUTCHINGS: And what would the effective after-tax
33 cost of debt be?

34 MS. McSHANE: Well, the after-tax cost, if there's a tax, at
35 40 percent, you would calculate by taking the 4.35 and
36 multiplying it by one minus the tax rate, which would give
37 you two six.

38 MR. HUTCHINGS: I think that's where we were yesterday.
39 I just wanted to touch for a moment on our discussions of
40 yesterday as to Hydro's situation if it were in fact to reach
41 a 60/40 debt equity ratio, and we were talking about that in
42 terms of that being a stand-alone position for
43 Newfoundland and Labrador Hydro, but the discussion, I
44 think, was complicated a little by the notion that there was,
45 according to your evidence, a distinction between a
46 provincial Triple B rating and a corporate Triple B rating.
47 Am I correct in that?

48 MS. McSHANE: There may be, yes. I mean, in terms of
49 spreads, the spreads may be lower for provincial ratings on
50 occasion and have been recently but they do vary and

51 there may be no spread. It's something that you have to
52 evaluate at different points in time to determine whether
53 there's actually any interest savings from raising debt at the
54 provincial rate as opposed to the corporate rate.

55 MR. HUTCHINGS: Okay. So the appropriate consideration
56 at that time would be to determine whether the advantage
57 of the provincial Triple B rate could be purchased by
58 getting a guarantee from Government at a cost that would
59 be less than the additional interest costs associated with
60 the corporate rate. Is that correct?

61 MS. McSHANE: Yes. At 60/40 you wouldn't pay any more
62 for the guarantee fee than the interest savings, because
63 you've now got six, you've got 60/40 capital structure and
64 you're basically at a point where you can stand on your
65 own, you don't need to depend on a guarantee for the
66 offloading of financial risk.

67 MR. HUTCHINGS: Right, but if at that time there is, let us
68 assume, a 40 bases point difference between the corporate
69 and the provincial yield and Government is prepared to
70 provide a guarantee at a cost of 30 bases points, it would
71 represent a sound business decision on Hydro's part to go
72 with the guarantee, would it not?

73 MS. McSHANE: Yes.

74 MR. HUTCHINGS: Is there some difference between that
75 situation and the current situation where Hydro can obtain
76 the guarantee fee for one percent and avoid the necessity
77 of having to increase its equity and hence its revenue
78 requirement by trying to get to a point where it can stand
79 alone?

80 MS. McSHANE: I don't understand why you say it's
81 increasing its revenue requirement.

82 MR. HUTCHINGS: Would we not be increasing revenue
83 requirement as we go to 60/40 debt equity and 11.25 percent
84 return?

85 MS. McSHANE: You'll be increasing it if you go to an
86 11.25 percent return, that's correct, but that's reasonable
87 and appropriate. You will not be increasing your revenue
88 requirement any more than you would be, you should be
89 paying if you have 85/15 with the guarantee appropriately
90 priced in a normal return on equity. So, no, I don't agree
91 that as you move towards 60/40 that if ... that if the
92 Company comes in, let's say it comes in in 2003, and this
93 Board says, yes, we're prepared to allow you a normal
94 return on equity and the one percent guarantee fee
95 continues to be paid, the overall cost of capital we'll allow
96 you to charge your customers is 8.85 percent, as I get to
97 60/40 and I re-assess the value of the guarantee, I will not
98 be asking for an increase in the revenue requirement for
99 cost of capital. It should stay approximately the same
100 because I've started with the premise that the overall cost

1 of capital should be equivalent to that which is appropriate
2 at 60/40. So I'm just shifting over time where the various
3 elements of it go but I'm not changing the overall total cost.

4 (10:30 a.m.)

5 MR. HUTCHINGS: So your position would be then that
6 Hydro can move to a 60/40 debt equity ratio, get an 11.25
7 percent return on its 40 percent equity, and not charge
8 ratepayers any more than the 12 or \$13 million they're now
9 paying for the guarantee fee annually?

10 MS. McSHANE: Not charge them any more?

11 MR. HUTCHINGS: Uh hum.

12 MS. McSHANE: Well, certainly they would charge them
13 less because, I mean, the discussion we were having is,
14 first of all, we only have 60 percent debt at 60/40, and
15 second of all we're talking about a significantly lower
16 percentage. We're talking about only the interest savings
17 at that point, so we're not talking about 12 or \$13 million.

18 MR. HUTCHINGS: No, no. I understand that as the debt
19 goes down, then the interest is going down as well.

20 MS. McSHANE: Absolutely. So, I'm sorry, did I miss the
21 question?

22 MR. HUTCHINGS: Your position is then that Hydro can
23 move to a 60/40 percent debt equity ratio, eliminate the
24 existing guarantee fee and not thereby increase the revenue
25 requirement.

26 MS. McSHANE: Let's understand where the point of
27 departure is.

28 MR. HUTCHINGS: Assuming the point of departure is the
29 appropriate rate of return.

30 MS. McSHANE: Yes. If the point of departure is 8.85, and
31 I'm sort of using that number, not as a precise number but
32 just sort of as a shorthand way of saying 60 times 7 1/4
33 plus 40 times 11 1/4, that as Hydro moves toward actually
34 achieving 60/40, that barring, you know, changes in the
35 cost of equity, but assuming that the capital market
36 conditions stay the same and the relative cost of debt and
37 equity stay the same, that it would not incur and ask
38 ratepayers to pay for more for capital than 8.85.

39 MR. HUTCHINGS: As Hydro increases its equity,
40 obviously the, and is regulated in this fashion, it begins to
41 bear the risk or the ratepayers, I guess, begin to bear the
42 risk that the required rate of return on equity may increase.
43 Is that fair?

44 MS. McSHANE: Sorry, I didn't understand the rest of your
45 question.

46 MR. HUTCHINGS: Okay. As you mentioned in your
47 previous answer, you were making your statement on the

48 assumption that the market conditions didn't change and
49 that the rate of return, required rate of return on equity
50 remain the same.

51 MS. McSHANE: Yes.

52 MR. HUTCHINGS: Okay. If in fact the required rate of
53 return on equity for reasons of market conditions increases
54 ...

55 MS. McSHANE: Yes.

56 MR. HUTCHINGS: ... then there would be an additional
57 amount required to meet that and that would be expected to
58 come from the ratepayers, correct?

59 MS. McSHANE: Yes, and that would be true for any
60 utility.

61 MR. HUTCHINGS: Yes.

62 MS. McSHANE: This isn't anything outside the ordinary.
63 It's ...

64 MR. HUTCHINGS: Okay. And that's ...

65 MS. McSHANE: It's the way capital markets work.

66 MR. HUTCHINGS: Yes, uh hum. And that's a risk that the
67 ratepayers take with reliance by Hydro upon a return on
68 equity.

69 MS. McSHANE: I guess in, if you're looking at the risk that
70 any ratepayer takes, irrespective of what the utility is, I
71 mean, there is a risk that the required return on equity will
72 change, there is a risk that the cost of debt will change.

73 MR. HUTCHINGS: How would you rate the relative risks
74 of the rate of return on equity increasing and the risk of the
75 percentage of the guarantee fee changing? Which is more
76 likely to change?

77 MS. McSHANE: Which is more likely to ... well, I guess the
78 guarantee fee has been sort of predetermined at a specific
79 rate and hasn't been altered, so just from a factual
80 standpoint there's more chance that the rate of return on
81 equity is going to change, but in total the compensation for
82 the business and financial risk that's implicit in the return
83 on equity should increase in total.

84 MR. HUTCHINGS: But is it a sound business decision to
85 go for the riskier equity or to accept the fixed charge
86 associated with a guarantee fee?

87 MS. McSHANE: I don't think that the charge ... the charge
88 with respect to the guarantee fee cannot in the long term be
89 fixed because it has to, if you take the position that the
90 Company should move towards capital structure ratios that
91 are consistent with operating as a commercial (*sic*) viable
92 entity which cannot in the long term fall back on another
93 party to bear its risks, then it seems to me that you have to

1 re-evaluate from time to time what you're paying in the
2 guarantee fee to ensure that in total the cost of capital are
3 appropriately compensated.

4 MR. HUTCHINGS: Okay. I see the point that you're
5 approaching there. I'd like to look briefly, if we may, at **page**
6 **42 of your pre-filed evidence**. Starting at line 24, you're
7 dealing with the issue of an adjustment for financing
8 flexibility in your estimate of the appropriate rate of return
9 for Hydro, and over onto the top of page 43 you speak of
10 the allowance being intended to cover three distinct
11 aspects, the first being flotation costs comprising financing
12 and market pressure costs arising at the time of sale of new
13 equity. Is it fair to say that that concept has no application
14 in the case of Hydro, which would not in fact be issuing
15 equity on the market?

16 MS. McSHANE: Yeah, I think I said that on the top of
17 page 44. It says, "As a Crown corporation, Hydro does not
18 raise capital in the public equity markets, therefore, it would
19 not incur out-of-pocket equity financing and market
20 pressure costs. However, both the cushion or safety
21 margin for unanticipated capital market conditions and the
22 fairness (inaudible) integral components of the economic
23 cost of equity. Both should be recognized in the allowed
24 return on equity for a regulated utility irrespective of
25 ownership." I think that's been accepted by numerous
26 regulators as an appropriate addition to the, what I call the
27 bare bones market derived cost of capital.

28 MR. HUTCHINGS: In respect of the bare bones market
29 derived cost of capital that you speak of, you are using
30 comparable companies, and is it not fair to say that those
31 costs have been incorporated into the returns that those
32 companies are already showing?

33 MS. McSHANE: In which regard? Are you talking about
34 in each and every test that's conducted here or ... there are
35 several tests that I use to estimate the cost of equity. Two
36 of them are market derived tests which effectively measure
37 the cost of equity by reference to the market value. That
38 return in turn and the regulatory model used throughout
39 Canada and the United States takes that return and applies
40 it to book value. The return itself, as derived from market
41 value, doesn't include any of these costs, no. It's simply a
42 cost in, by reference to market value which, if applied to
43 book value, needs to be increased to a certain extent above
44 that minimum level to reflect the factors that have been
45 discussed on pages 43 and the top of 44.

46 MR. HUTCHINGS: So your problem in terms of
47 accommodating financial flexibility is the application to
48 book value of the market derived numbers you've ...

49 MS. McSHANE: Yes, because in ...

50 MR. HUTCHINGS: ... arisen ...

51 MS. McSHANE: ... principle what application of market
52 derived values would be is to derive the market value
53 towards book value, and what I've suggested here is that
54 if truly regulation is to simulate competition, then there
55 needs to be some recognition that book value is not the
56 end state of market value since there is a tendency for
57 values of companies to, market values of companies to
58 approach their replacement cost, and given that the
59 replacement cost of electric utilities in particular tends to be
60 above book value, there's some need for an adjustment to
61 the bare bones cost of equity to compensate for that, the
62 difference between replacement cost and book value, if
63 indeed we are trying to simulate the competitive mode.

64 MR. HUTCHINGS: I mean, if we ... we do ... you do
65 recognize that there are elements of the so-called financing
66 flexibility costs that are not incurred and will not be
67 incurred by Hydro.

68 MS. McSHANE: Yes, I do.

69 MR. HUTCHINGS: I wanted to return to a point you were
70 discussing with Ms. Butler yesterday related to the \$70
71 million dividend and your discussion with her as it related
72 to the notion that leaving the dividend deemed to be
73 unpaid in the current situation would not in fact change
74 Hydro's position as to its revenue requirement. If I
75 understand the discussion, your suggestion was that three
76 percent is essentially a derived number based upon an
77 amount of revenue requirement which would avoid rate
78 shock.

79 MS. McSHANE: That's my understanding, yes.

80 MR. HUTCHINGS: So Hydro's approach here has been
81 essentially to determine the maximum amount of revenue
82 requirement it can put in place without causing rate shock
83 and from that deriving a three percent return on equity.

84 MS. McSHANE: I think that's a fair way of doing it, of
85 characterizing it. They would have determined what the
86 overall revenue requirement would have been assuming the
87 full cost of capital and then determining what return on rate
88 base would effectively avoid rate shock.

89 MR. HUTCHINGS: So if the revenue requirement now is
90 \$320 million or whatever it may be for 2002, if the Board
91 were to deem the dividend not to be paid, that would
92 remain the same and the rate of return on equity would
93 increase slightly.

94 MS. McSHANE: That's correct. In other words, the return
95 on rate base should be the same as applied for, I believe is
96 7.4 percent, and what we would simply be doing then is
97 taking and splitting the 7.4 percent differently as among, as
98 between debt and equity, and the indicated return on
99 equity at a 7.4 percent return on rate base, and let's say if
100 one assumed the dividend hadn't been paid, the capital

1 structure would look like sort of 75/25 debt equity, then the
2 return on equity that would be indicated as a result of
3 deeming would be about 4 1/2 percent instead of three, but
4 still you're well below what would be viewed as a
5 reasonable rate of return on 25 percent equity.

6 MR. HUTCHINGS: I wonder, Mr. Chair, if we might take
7 the break a few minutes early this morning and I may have
8 a few questions afterwards or I may be close to the end.

9 MR. NOSEWORTHY, CHAIRMAN: Sure, that's fine, Mr.
10 Hutchings. We'll break till just after 11. Thank you.

11 (10:45 a.m.)

12 (break)

13 (11:05 a.m.)

14 MR. NOSEWORTHY, CHAIRMAN: Thank you. Would
15 you continue, Mr. Hutchings?

16 MR. HUTCHINGS: Thank you, Mr. Chair. Ms. McShane,
17 I just want to look briefly, in conclusion, at your exhibit
18 **KM-1**, the cost of capital analysis.

19 MS. McSHANE: Yes.

20 MR. HUTCHINGS: Looking at the table at the top, where
21 you have simply a debt and equity component in the
22 capital structure, am I understanding your position
23 correctly to be that the cost of capital which you have
24 shown here as 8.85 in this example, would in fact not
25 change as the capital structure changed?

26 MS. McSHANE: No, I'm not making that assumption.
27 What I'm making, the assumption that I'm making is that
28 this is an approximately optimal capital structure and
29 approximately minimal cost, and therefore that cost of
30 capital is the appropriate cost of capital that should be
31 borne by the ratepayers.

32 MR. HUTCHINGS: Okay, so leaving out the bottom table
33 and the guarantee fee simply for the purpose of illustration,
34 what would the effect be on the overall cost of capital in
35 general terms if your stand-alone utility from the top table
36 changed its debt structure to 70/30? What direction would
37 the total cost of capital move?

38 MS. McSHANE: Generally speaking, I think that the cost
39 of capital of 70/30 capital structure would be somewhat
40 higher because what would happen is that a utility which
41 would be optimally capitalized at 60/40 and be able to
42 achieve a Triple B rating would not be able to achieve a
43 Triple B rating at 70/30, and therefore it would incur a
44 significantly higher debt cost as well as a higher equity
45 cost so the cost of capital would likely be slightly higher at
46 a 70/30 capital structure than it would at a 60/40.

47 MR. HUTCHINGS: Okay, and equally then if the structure

48 changed to a 50/50 debt equity structure and assuming that
49 that would be something that any required regulator would
50 approve, what would be the effect on the overall cost of
51 capital?

52 MS. McSHANE: For, in particular for an investor-owned
53 utility which does pay income taxes, it is likely that the cost
54 of capital would also be higher slightly at a 50/50 common
55 equity ... a 50/50 debt equity capital structure because of
56 the debt, sorry, the interest ... try again, because of the
57 taxes that have to be paid on the 50 percent of common
58 equity and the fact that an increase from the, from an equity
59 ratio of 40 to 50 would not decrease the cost of debt to the
60 same extent that it would decrease if we went from 60
61 percent to 70 percent debt.

62 MR. HUTCHINGS: Okay, so it's not a straight line
63 relationship as debt increases.

64 MS. McSHANE: Which is not a straight line?

65 MR. HUTCHINGS: The ...

66 MS. McSHANE: The increase in the cost of debt?

67 MR. HUTCHINGS: The increase in the cost of debt.

68 MS. McSHANE: No.

69 MR. HUTCHINGS: No, okay, absent the tax effect, that is
70 to say assume that you have a Crown owned utility that
71 does not have to pay the tax, what would be the effect of
72 moving from the 60/40 to the 50/50?

73 MS. McSHANE: If you had about 50 percent you probably
74 might be able to improve your debt cost by 25 basis points,
75 and the change from a 40 to a 50 percent common equity
76 ratio typically would be associated with about 7 1/2 basis
77 points decrease in the cost of equity for every percentage
78 point increase in the common equity ratio, so it would be
79 approximately the same. I would say there would not a
80 significant change in the, in the cost of capital.

81 MR. HUTCHINGS: Okay, just so I'm clear. I think I heard
82 you say in the course of your calculation that you were
83 looking at a 7 1/2 basis point change for each one percent
84 change in equity?

85 MS. McSHANE: Yes.

86 MR. HUTCHINGS: Does that run across the entire gamut
87 or is that in any particular range?

88 MS. McSHANE: No, that would be sort of between the
89 ranges of 40 and 50 and would be higher, a bigger increase
90 as you moved outside the 40 percent range and down to 30
91 and below.

92 MR. HUTCHINGS: Uh hum, and if you were moving in the
93 other direction?

- 1 MS. McSHANE: From 50 above?
- 2 MR. HUTCHINGS: Yes.
- 3 MS. McSHANE: It would, it would be sort of a declining
4 curve as you move up. In other words, the cost of equity
5 would decline at a declining rate as the equity ratio
6 increases.
- 7 MR. HUTCHINGS: Okay, the numbers that you're quoting,
8 is there some accepted industry source for that, or is it just
9 a rule of thumb, or ...
- 10 MS. McSHANE: I would say that it's based primarily on
11 the results of a number of empirical and theoretical studies
12 which have focused on changes in capital structure
13 between equity ratios of 40 and 50.
- 14 MR. HUTCHINGS: Okay.
- 15 MS. McSHANE: I don't have the specific names of those,
16 but I could get them if you want.
- 17 MR. HUTCHINGS: I don't know that we need to get the
18 studies themselves. Are they specifically related to
19 utilities?
- 20 MS. McSHANE: Yes.
- 21 MR. HUTCHINGS: Okay, and are they American or
22 Canadian studies?
- 23 MS. McSHANE: American, we only have about six utilities
24 in Canada which are publicly traded these days, so it's hard
25 to do much of a study on the implied changes.
- 26 MR. HUTCHINGS: Uh hum, I understand. Okay, on a
27 theoretical level, why should it be that the return to equity
28 moves in that way as you change the amount of equity in
29 the capital structure?
- 30 MS. McSHANE: In that way, you mean that it's below a
31 certain level, that the cost of equity increases at an
32 increasing rate and above a certain level it tends to
33 decrease at a decreasing rate?
- 34 MR. HUTCHINGS: Yes, uh hum.
- 35 MS. McSHANE: Just because if you go from, for example,
36 50 ... or 60 to 70 percent equity that you've already
37 essentially achieved some optimal level of protection
38 against financial risk and adding additional equity doesn't
39 reduce the cost of equity by as much as it would if you're
40 moving your equity ratios down below a certain level where
41 you're reaching closer and closer to financial distress.
- 42 MR. HUTCHINGS: Okay, so in terms of risk analysis, does
43 the overall risk of the company change while this change in
44 capital structure is occurring?
- 45 MS. McSHANE: Does the overall risk of the company
46 change if the capital structure changes?
- 47 MR. HUTCHINGS: Uh hum.
- 48 MS. McSHANE: The financial risk will change, yes, so the
49 overall risk changes.
- 50 MR. HUTCHINGS: Okay, we talked about the definition of
51 business risk this morning. How would you define
52 financial risk?
- 53 MS. McSHANE: The financial risk goes to the probability
54 that the investor, the common equity investor will
55 underachieve his expected return because his return is
56 subordinate to the requirements of the fixed income
57 security holders, debt holders.
- 58 MR. HUTCHINGS: Yes.
- 59 MS. McSHANE: And then once, he has to basically wait
60 until those, those stakeholders are compensated for him to
61 receive any compensation himself, so it's a question of, you
62 know, how much of the income has to be paid to the fixed
63 income holders before the common equity shareholder gets
64 anything.
- 65 *(11:15 a.m.)*
- 66 MR. HUTCHINGS: Okay, in that context I can understand
67 your point as to the financial risk changing when the debt
68 equity structure changes. How does that affect the overall
69 risk of the company, the business risk?
- 70 MS. McSHANE: It doesn't affect the business risk, but the
71 overall risk of the company is not the business risk. The
72 overall risk of the company is the totality of the business
73 risk and the financial risk.
- 74 MR. HUTCHINGS: Okay, so on your definitions, then we
75 have a, there are two elements, a financial risk and a
76 business risk ...
- 77 MS. McSHANE: Correct.
- 78 MR. HUTCHINGS: And those together can be additive
79 and ...
- 80 MS. McSHANE: In a sense, yes, I know ...
- 81 MR. HUTCHINGS: ... come to the total risk of the
82 company.
- 83 MS. McSHANE: Correct.
- 84 MR. HUTCHINGS: Okay, is it fair to say that all of the
85 shareholders, all of the stakeholders share the business
86 risk?
- 87 MS. McSHANE: Yes, but the debt holders share in the
88 business risk with the equity holders.
- 89 MR. HUTCHINGS: Yes, okay, and if there is a guarantor
90 then the guarantor has some share in the business risk.
- 91 MS. McSHANE: Correct.

1 MR. HUTCHINGS: Okay, is the same true of the financial
2 risk?

3 MS. McSHANE: Yes, there is a sharing of that risk as well.

4 MR. HUTCHINGS: Is it the same risk, or is it a different risk
5 for debt holders and a separate one for equity holders?

6 MS. McSHANE: It's different in the sense that the bond
7 holders get paid first, and the shareholder requirements are
8 paid last, so to the extent that there are different types of
9 bonds, some of them may be subordinated to others. There
10 may actually be a difference as to, you know, the risks that
11 are borne by individual types of bond holders, but
12 effectively the bond holders are ahead of the shareholders,
13 and they have fixed payments that they're entitled to.

14 MR. HUTCHINGS: Is it fair to regard the financial risk as
15 simply derivative of the business risk?

16 MS. McSHANE: I don't know what you mean by that.

17 MR. HUTCHINGS: Is not the financial risk simply a sharing
18 among the stakeholders of the total, of the business risk of
19 the company?

20 MS. McSHANE: I don't think that that's really fair to say.
21 I think that by leveraging the firm you add a risk that it would
22 not be there if you were 100 percent equity financed, so
23 you're adding financial risk by taking on debt.

24 MR. HUTCHINGS: Okay, and is it your position that that
25 applies over the entire range of capital structures or just in
26 a certain part of that range.

27 MS. McSHANE: It applies over the whole range of capital
28 structures and it would apply differently depending on
29 what range of capital structure you're in, and you know,
30 part of the reason that we focus on capital structures within
31 a certain range and, in effect, create an industry standard
32 for utilities is to ensure that, you know, an appropriate level
33 of financial risk is assumed and, you know, not too much
34 and not too little, thus making sure that the ratepayers are
35 not disadvantaged by, you know, too much or too little
36 equity.

37 MR. HUTCHINGS: Okay, so just so that I can understand
38 your position, is it your view that any change in the debt
39 equity structure would result in a change in business risk?

40 MS. McSHANE: Any change in the capital structure will
41 result in a change in the business risk. No, no, the
42 business risk is the risk that's associated with the assets.
43 The financial risk is the risk that's associated with adding
44 leverage to the firm, so if I add leverage I'm not changing
45 the business risk, I'm adding financial risk.

46 MR. HUTCHINGS: But your position is that the risk to
47 equity holders, for instance, changes in any case of a
48 change in the debt equity ratio.

49 MS. McSHANE: To some extent, yes, it does, and
50 depending on where you are, more or less.

51 MR. HUTCHINGS: Okay, alright, I think I understand your
52 position now. Thank you.

53 MS. McSHANE: Thank you.

54 MR. HUTCHINGS: And Mr. Chair, those are all my
55 questions.

56 MR. NOSEWORTHY, CHAIRMAN: Thank you, Mr.
57 Hutchings, thank you, Ms. McShane. We'll move on now
58 to the cross-examination by the Consumer Advocate
59 please. I assuming, Mr. Browne, that Mr. Fitzgerald is the
60 ...

61 MR. FITZGERALD: It will be myself, Mr. Chairman, thank
62 you.

63 MR. NOSEWORTHY, CHAIRMAN: Thank you.

64 MS. McSHANE: I'm going to try to move around a little bit
65 here so I can see you.

66 MR. FITZGERALD: Are you positioned?

67 MS. McSHANE: Okay.

68 MR. FITZGERALD: Good morning, Ms. McShane.

69 MS. McSHANE: Good morning.

70 MR. FITZGERALD: The parameters, I guess, of what I'm
71 going to be going over with you is those aspects of your
72 pre-filed evidence relating to your different approaches to
73 analyzing rate of return for a company. Overall, in your pre-
74 filed evidence, you indicate that an appropriate rate of
75 return for Hydro in the test year is between 11 percent and
76 11.5 percent, is that correct?

77 MS. McSHANE: Yes.

78 MR. FITZGERALD: And mid-range being 11.25.

79 MS. McSHANE: Correct.

80 MR. FITZGERALD: Now obviously, for whatever reason,
81 Hydro is not applying to this Board for a rate of return in
82 that range.

83 MS. McSHANE: Not for this test year, no.

84 MR. FITZGERALD: No, not for this test year. In fact
85 they're looking for the three percent figure which we're all
86 familiar with.

87 MS. McSHANE: Yes, they're looking for a return on rate
88 base of 7.4 which, based on their actual capital structure, is
89 equivalent to a three percent on equity.

90 MR. FITZGERALD: Okay, and do I understand that your
91 estimate, or in the final analysis when you arrive at your 11
92 1/4 figure, as a mid-range, that is based on information that

1 you have, and it's forecast for the test year, 2002, only, is
2 that correct?

3 MS. McSHANE: Yes, that would be, that would be fair. In
4 other words, between today and the next time the company
5 comes back and seeks a normal rate of return on equity,
6 capital markets may change, and they may change
7 significantly, and obviously at that time we would
8 determine what an appropriate rate of return under those
9 capital market conditions was.

10 MR. FITZGERALD: Okay, if I could just turn to page 55 of
11 your evidence please. Okay, at the top, the table there, and
12 this is ... you have just referred me to this actually, and you
13 say with the weighted, or the cost (inaudible) rather, for
14 equity at three percent, the debt at 8.35 percent, gives a
15 total weighted cost for a return on rate base of 7.4 percent.
16 That's what this table illustrates.

17 MS. McSHANE: Yes, it does.

18 MR. FITZGERALD: Yes, okay, and you were asked a
19 question here, you say ... the question ... I'm reading this
20 from line two, it says the Board has traditionally expressed
21 the allowed return on rate base in terms of a range, is such
22 a range appropriate for Hydro, and could you read your
23 response there please?

24 MS. McSHANE: No, not in the present circumstances.
25 The function of the return on rate base range is to
26 determine whether a utility has over or under-earned a
27 reasonable return on rate base. If the utility exceeds the
28 upper end of the range, it is deemed to have over-earned
29 and is obligated to refund the excess to customers. If the
30 utility's return falls short of the lower end of the range, it
31 has the ability to seek relief from the Board. For
32 Newfoundland Power, the range in the return on rate base
33 adopted by the Board in Order **PU-36**, 1998 to 1999, was 36
34 basis points.

35 MR. FITZGERALD: Okay, thank you. If you recall
36 yesterday, Ms. Butler, on behalf of Newfoundland Power,
37 took you through an exhibit. I think it was **NP-3**. I don't
38 necessarily need to see that right now, but if you recall, it
39 was a, it was a schedule of actual and forecast margins for
40 Hydro from 1993, I believe, to about 1997. Do you
41 remember that table?

42 MS. McSHANE: Yes.

43 MR. FITZGERALD: And do you recall from, you know,
44 reviewing that table, that in fact there were years when
45 Hydro exceeded its forecast margin?

46 MS. McSHANE: I don't understand what you mean by
47 exceeded its forecast margin.

48 MR. FITZGERALD: Okay, let's go look at **NP-3** then if we
49 could. Actually, if you could allow us to see the top as

50 well, Mr. O'Rielly. At line 42, and the 1992 final cost of
51 service column, we have a figure of \$10 million, \$10,825,000.
52 Could you explain to the Board what that figure represents?

53 MS. McSHANE: I'm not positive what it means, but based
54 on the title of the column, it would appear to be what the
55 margin that was allowed based on the 1992 cost of service,
56 at a 1.08 times coverage.

57 MR. FITZGERALD: Okay, and the next immediate right
58 hand column gives us 1992 actuals, and we have a figure
59 there of \$17 million.

60 MS. McSHANE: Yes.

61 MR. FITZGERALD: I took that to mean that that is a
62 variance over and above what was allowed, or what
63 actually happened, I should say.

64 MS. McSHANE: I mean that's what it looks like. I mean I
65 am not familiar in depth with these numbers, so I don't
66 know what's specifically included in each of these years,
67 but from what I understand, this was an attempt to try to
68 provide values as close as possible to what the utility only
69 margins would have been in each of those years.

70 MR. FITZGERALD: Let's move then to the column in 1996.
71 There is a figure here of \$20 million, \$20.6 million. My eyes
72 are ...

73 MS. McSHANE: Yeah, the numbers are a little small.

74 MR. FITZGERALD: I'm sorry, it's the 1997 column, and this
75 figure is expressed as approximately \$31 million? Can you
76 see that number?

77 MS. McSHANE: Yes.

78 MR. FITZGERALD: That again is in line 42, which
79 represents the margin?

80 MS. McSHANE: Yes.

81 MR. FITZGERALD: The immediate right hand column after
82 that, or following the \$31 million is a variance column that
83 indicates, I believe that's approximately \$10.6 million.

84 MS. McSHANE: Yes, I see that.

85 MR. FITZGERALD: Yes, does this represent an upward
86 variance, the \$10 million, over and above the margin?

87 MS. McSHANE: That's my understanding of ... it's
88 certainly ... yes, it's a (inaudible) variance.

89 MR. FITZGERALD: Okay, so is this evidence then that in
90 the past Hydro has exceeded its forecast margin, sometimes
91 by as much as \$10 million?

92 MS. McSHANE: It has in the past exceeded the 1.08 times
93 margin, yes.

94 MR. FITZGERALD: Yes, okay, which was the amount that

1 they had justified, if I could put it that way, before this
2 Board.

3 MS. McSHANE: That was the amount that in 1992, from
4 my understanding, the Board said was at the time a
5 reasonable target.

6 *(11:30 a.m.)*

7 MR. FITZGERALD: Would you agree that it is this ... that
8 the Board here should be vigilant that excess earnings
9 don't occur?

10 MS. McSHANE: Yes.

11 MR. FITZGERALD: And what mechanism can be imposed
12 to ensure that?

13 MS. McSHANE: Well, I guess, you know, I think what we
14 have to do is to distinguish between whether in principle a
15 range should be set, and whether, in fact, for these
16 particular circumstances it makes any sense to set a range.
17 If the Board wants to, as a matter of principle, continue to
18 set ranges, which it has for Newfoundland Power ... I mean
19 I don't have a problem with it doing so, it just, it just seems
20 to me that in these particular circumstances, since the
21 company is only asking to earn a three percent return on
22 equity, that the likelihood of it coming anywhere near to a
23 return on rate base that would be fully compensatory, is nil,
24 so that, you know, setting a range based on a reasonable
25 rate of return on rate base is sort of moot, particularly given
26 that the company is likely to be back before this Board
27 within two years.

28 MR. FITZGERALD: Of the two alternatives, that is
29 imposing a range, not imposing a range, which would be
30 safer for the Board?

31 MS. McSHANE: I guess, if the Board really believed that
32 there was a significant chance that within the period of time
33 before Hydro comes back to the Board, that it would, that
34 Hydro would exceed a reasonable range, it could do so as
35 long as it recognized that the reasonable range needs to be
36 set not on the basis of the 7.4 percent that's been requested
37 as sort of a midpoint in the range, but rather a value that
38 reflects, as I said, a reasonable return on rate base, and in
39 fact, I think there was data requested, I responded to which
40 actually expressed that range in the context of the return on
41 rate base that I was recommending. I can't remember the
42 number.

43 MR. FITZGERALD: Okay.

44 MS. GREENE, Q.C.: NP-139?

45 MS. McSHANE: No, that's not it. CA-31. CA-31 was
46 intended to provide a basis for determining what an
47 appropriate upper end of the range might be under the
48 current circumstances.

49 MR. FITZGERALD: So do I take it then your answer to my
50 question of the two alternatives, that it would be safer for
51 them to compose a range or not?

52 MS. McSHANE: Well I think it's sort of like putting on
53 suspenders and a belt, but clearly that this, if the Board felt
54 that there was some chance that Hydro was in the next two
55 years going to exceed a reasonable return on rate base, it
56 could determine what the upper end of the range should be,
57 but the likelihood of the company even approaching based
58 on its forecast of return on equity that upper end of the
59 range is so remote that it's, as I said, it's sort of like using
60 suspenders and a belt.

61 MR. FITZGERALD: Well, you do recall an exhibit from
62 yesterday and we'll go to it if you don't recall it, that for
63 financial planning purposes, we understand that Hydro is
64 anticipating that they'll have a return on equity in 2004 in
65 the range of 11 1/4. Do you recall that exhibit?

66 MS. McSHANE: Sorry, I don't think that that's ... well
67 they're expecting to come and ask to be allowed to earn a
68 return on equity in that timeframe. It's not that they have
69 decided that they're going to be able to based on the rates
70 that are in place today. Those are totally different
71 circumstances.

72 MR. FITZGERALD: It's an indication of an intention of
73 Hydro, is it?

74 MS. McSHANE: It's an indication that Hydro intends to
75 come back to the Board in that timeframe and seek at that
76 time to be allowed to earn a normal return on equity. It's
77 not that it's saying that with the rates that it expects to
78 have in place coming out of this hearing that it would be
79 able to earn an 11 to 11 1/2 percent return.

80 MR. FITZGERALD: Okay.

81 MS. McSHANE: At the time the company comes back and
82 seeks to earn 11 to 11 1/2, or whatever the numbers turn out
83 to be at that time, then, yes, if the Board were to then set a
84 normal rate of return, it would be reasonable for it, if the
85 Board were to use the same approach that it uses with
86 Newfoundland Power, to set a range at that time.

87 MR. FITZGERALD: So you wouldn't have any big problem
88 though, if the Board decided to overdress and wear a belt
89 and suspenders at the same time?

90 MS. McSHANE: As long as the Board recognizes that the,
91 in principle the upper end of the range needs to be
92 reflective of what a reasonable rate of return on rate base
93 for Hydro would be, not that it takes, you know, applied for
94 7.4 percent and says, well we'll just add 50 basis points to
95 that and say well if they earn over, you know, 7.9 percent,
96 then they've over-earned, because clearly, at that point
97 Hydro has not come close to earning a compensatory

- 1 return on rate base.
- 2 MR. FITZGERALD: Okay, just a side issue on this,
3 referring to your pre-filed evidence at page 10, your
4 treatment, if I can call it that, of the Rate Stabilization Plan.
- 5 MS. McSHANE: Yes.
- 6 MR. FITZGERALD: At line 18.
- 7 MS. McSHANE: Yes.
- 8 MR. FITZGERALD: Would you mind reading that into the
9 record for us please, starting at line 18 to line 25?
- 10 MS. McSHANE: The component of the RSP which is
11 recovered annual from, refunded to customers, was treated
12 as a surcharge, or it owed to customers as a separately
13 identified refund, not as part of base rates, that's currently
14 structured the embedded cost of debt as applied to the
15 unamortized balance of the RSP. However, going forward,
16 I recommend that the unamortized balance of the RSP be
17 treated the same as rate base items, i.e., the overall cost of
18 capital or return on rate base should be applied to the RSP.
- 19 MR. FITZGERALD: Okay, that's fine, thank you.
- 20 MS. McSHANE: I'm sorry.
- 21 MR. FITZGERALD: That's okay, you were on a roll there.
22 So line 20 says, as currently structured, the embedded cost
23 of debt is applied to the unamortized balance of the RSP.
24 Could you remind me, and the Board what the embedded
25 cost of debt is?
- 26 MS. McSHANE: Do you mean in theory?
- 27 MR. FITZGERALD: No, in numbers. Is this the debt figure
28 that has been referred to in the approximate range of 8.35
29 percent?
- 30 MS. McSHANE: Why I'm stuttering a bit here is I don't
31 recall whether or not it's the overall cost of debt including
32 the guarantee fee or not. I guess, I don't remember.
- 33 MR. FITZGERALD: How much of a variation would that
34 give us?
- 35 MS. McSHANE: One percent, because the guarantee fee
36 is one percent.
- 37 MR. FITZGERALD: So then when you say further in this
38 paragraph, however, going forward I recommend that the
39 unamortized balance of the RSP be treated the same as rate
40 base items, and that's, I understand from the table that we
41 saw on page 55, that the return on rate base is 7.4 percent.
- 42 MS. McSHANE: For the test year.
- 43 MR. FITZGERALD: For the test year. Is that below the
44 embedded cost of debt?
- 45 MS. McSHANE: Yes, it is.
- 46 MR. FITZGERALD: Is there any reason why you're
47 recommending that it should be?
- 48 MS. McSHANE: Because I'm recommending a principle,
49 and the principle was it should be financed in the same
50 manner as other rate base items. The fact is that the
51 company has requested an overall return on rate base in
52 the test year which is below its cost of capital. In the long
53 run it presumably will be asking for, and being given the
54 opportunity to achieve a reasonable return on rate base,
55 and therefore, for the future, the return that would be
56 applied to the RSP would be the reasonable overall return
57 on rate base.
- 58 MR. FITZGERALD: Okay, I'd like to turn now to your ...
59 you have three approaches, or models, if I could put it that
60 way where you provide the Board your evidence regarding
61 the analysis of determining a proper rate of return for
62 Hydro, and these tests, as I understand it, a comparable
63 earnings test, discounted cash flow test, and the risk
64 premium test.
- 65 MS. McSHANE: Correct.
- 66 MR. FITZGERALD: Correct.
- 67 MS. McSHANE: Yes.
- 68 MR. FITZGERALD: Okay, turning first then to the
69 comparable earnings test, and I believe you refer to that at
70 page 52 of your testimony.
- 71 MS. McSHANE: That has the, page 51, sorry, page 53 ...
72 page?
- 73 MR. FITZGERALD: It's page 52, I'm sorry.
- 74 MS. McSHANE: Sorry, page 52, has the summary of the
75 results of the ...
- 76 MR. FITZGERALD: Right, so you have the comparable
77 earnings test here as indicating a rate of return of 12.5 to
78 12.75 percent. Page 28, Mr. O'Rielly, please. Page 28, line
79 8, and can you just read the second, the third sentence
80 there, Ms. McShane?
- 81 MS. McSHANE: A fair and reasonable return?
- 82 MR. FITZGERALD: Yes please.
- 83 MS. McSHANE: Falls within a range bounded by the cost
84 of attracting capital and the returns achievable by firms of
85 similar risk to utilities, (inaudible) comparable earnings
86 standard.
- 87 MR. FITZGERALD: Okay, and the comparable earnings
88 standard we've just seen, you've indicated would give a
89 rate of return of between 12.5 and 12.75?
- 90 MS. McSHANE: Yes.
- 91 MR. FITZGERALD: Okay, and this word, bounded by the

1 cost, that's the upward bound, would you agree with that?
2 MS. McSHANE: Yes.
3 MR. FITZGERALD: And you would have this Board rely
4 on the comparable earnings test as a reliable outside
5 boundary for determining rate of return?
6 MS. McSHANE: Yes.
7 *(11:45 a.m.)*
8 MR. FITZGERALD: Okay, if I could refer you now to your
9 response to **CA-132**. You were asked the question, cite
10 any recent Canadian regulatory jurisdiction decisions
11 which have applied the comparable earnings standard
12 unadjusted for market book ratios which are proposed to
13 this Board. And your answer?
14 MS. McSHANE: It says basically that in recent years that
15 most regulators have given primary weight to the equity
16 risk premium test, and have overlooked the comparable
17 earnings standard.
18 MR. FITZGERALD: If they're overlooking the comparable
19 earnings standard, why would you expect this Board to not
20 overlook it?
21 MS. McSHANE: For the same reason that I believe that it
22 is time that other regulators in this country return to
23 looking at the comparable earnings standard. I think in
24 large part what happened was that there was a severe
25 recession in the early nineties in Canada, and a significant
26 period of restructuring which produced returns for
27 industrial companies that were considerably below what
28 had been achieved by these same companies in the 1980s,
29 and there was a significant change in the rate of inflation
30 between the eighties and the early half of the 1990s, and my
31 view is that in large part the move away from comparable
32 earnings reflected the fact that there was a significant
33 change and regulators view the results of the comparable
34 earnings test to not be reliable because there had been a
35 major shift in economic fundamentals. We'll now we're in
36 2001 and we have experienced a period now of ten years of
37 relatively low inflation and growth rates in the economy
38 that are expected to continue on average in the future and
39 the earnings that have been achieved over the past
40 business cycle are at levels that given the outlook for the
41 economy today are consistent with what we expect for the
42 economy in the future, and I don't think that we have any
43 more of the same problems with comparable earnings that
44 we had when regulators started to move away from it. I
45 think the other reason that regulators did move away from
46 the comparable earnings test in part was because to a large
47 extent they started to implement formulas for setting the
48 rate of return and there was, my sense is that there was a
49 general feeling that the initial returns that were set under a
50 formulaic approach had to be set using the same test that

51 was going to form the basic parameters for changing the
52 return in subsequent years. I don't believe that that's true.
53 I mean I think you can set the base return on the basis of
54 the results of multiple tests, and simply use one objective
55 parameter, if you will, the interest rates, the forecast interest
56 rates in the future. I don't think that using simply interest
57 rates to change the ROE precludes you from looking at all
58 the tests to set the return in the initial decision, if you will.
59 MR. FITZGERALD: Okay, having said that though, would
60 you agree that if this Board were to consider the
61 comparable earnings test, that this would be the first time
62 in a number of years that a regulatory board in Canada has
63 not overlooked that ...
64 MS. McSHANE: I would say that would be a fair remark,
65 yes.
66 MR. FITZGERALD: Your risk premium test, I believe you
67 refer to it at page 32 of your pre-filed ... and I believe in a
68 general sense that your evidence at page 55 indicated, I
69 think it's at page 55, I may not have that right, indicated
70 that the risk premium test applied to Hydro should give a
71 range of rate of return of 10.5 to 10.75 percent for Hydro.
72 Page 52.
73 MS. McSHANE: Page 52, alright.
74 MR. FITZGERALD: Yes. Now your evidence at page 32,
75 you ... just ... at line 10, when you're giving your evidence
76 regarding the risk premium test, you say, analysis of
77 historic risk premiums should not be limited to the
78 Canadian experience. Correct?
79 MS. McSHANE: Yes.
80 MR. FITZGERALD: Now does the Canadian capital market
81 not have historically different levels of interest rates than
82 the US?
83 MS. McSHANE: Historically, yes. Prospectively no, not
84 to the extent that was historically the case. In fact that's
85 one reason that you would not simply look to the Canadian
86 experience because history is different from what we expect
87 in the future, and the fact that long-term forecasts of
88 Canadian interest rates show that they could be quite
89 similar to the levels of US interest rates is one reason that
90 you would look to the US experience as an estimate of what
91 investors might expect for the future, because after all, that
92 is the objective. The objective is to determine what
93 investors expect, not to determine what investors have
94 achieved.
95 MR. FITZGERALD: Regarding the reliability of forecasting
96 and prospective analysis, we'll get into that a little later, but
97 you do agree that historically the Canadian capital markets
98 have had different levels of interest? I think you just
99 agreed with me on that.

1 MS. McSHANE: I think I said it in the, in the testimony at
2 page 33, and as a specific reason, and I am looking beyond
3 the Canadian experience. If you look at lines 7 to 14 at page
4 33. With respect to the historic long Canada bonds return,
5 the achieved averages reflect yields that exceeded those on
6 US treasuries by close to one percent. That differential no
7 longer exists. The structural changes that have occurred in
8 the Canadian bond market warrant looking beyond the
9 Canadian historic risk premiums. The recent similarity
10 between Canadian and US government yields lends further
11 support to reflecting the US equity risk premium experience
12 in the estimate of the equity market risk premium.

13 MR. FITZGERALD: Looking at other differences. The
14 Canadian interest rates generally have been higher than
15 they have been in the US, correct?

16 MS. McSHANE: I believe that's what I just said, yes.

17 MR. FITZGERALD: And tax rates are generally higher than
18 US rates?

19 MS. McSHANE: Which tax rates?

20 MR. FITZGERALD: Canadian tax rates are generally
21 higher?

22 MS. McSHANE: Personal income tax rates?

23 MR. FITZGERALD: Corporate tax rates. Both?

24 MS. McSHANE: Pardon me?

25 MR. FITZGERALD: Both levels of taxes.

26 MS. McSHANE: Well, corporate tax rates tend to be
27 higher, personal income taxes tend to be higher on interest.
28 Tax rates on capital gains are pretty close and taxes on
29 dividends are lower in Canada than in the US.

30 MR. FITZGERALD: And what about the treatment in
31 Canada versus the US regarding capital gains, there is a
32 difference?

33 MS. McSHANE: There is, the effective, I think the effective
34 tax rates are pretty similar at the moment. There is an
35 exclusion of a certain portion of the capital gain in Canada
36 before the tax is calculated, but effectively given the
37 changes in the capital gains tax rates in the US, they are
38 fairly similar at the present.

39 MR. FITZGERALD: The opportunities for investors in the
40 US versus the opportunities for investors in Canada, would
41 you identify a difference there ... if they were to prefer, let's
42 say, a home grown investment, if a Canadian was to invest
43 in a Canadian company and an American was to invest in
44 an American.

45 MS. McSHANE: Well, in that sense, if you mean that all,
46 if all Canadian investment were to be limited to the
47 Canadian market, I mean the Canadian market is quite small,

48 so the investments within Canada are, the opportunity for
49 investments within Canada is smaller than with the US,
50 which is one reason that Canadians invest to a great extent
51 outside Canada.

52 MR. FITZGERALD: Okay, so the risk premium test as I
53 understand you've portrayed it in your evidence, you have
54 selected the US market with the exception of any others to
55 arrive at your figure of 10.5 to 10.75 percent.

56 MS. McSHANE: When you say to the ... you mean that's
57 the only market I looked at in addition to the Canadian
58 market?

59 MR. FITZGERALD: Yes.

60 MS. McSHANE: Yes.

61 MR. FITZGERALD: You gave no consideration, did you
62 say to European markets?

63 *(12:00 noon)*

64 MS. McSHANE: No, one of the reasons is purely for lack of
65 data. We don't have long-term data going back that far.
66 I think there's data back to 1977. I don't view that as being
67 sufficient data as to provide a longer term view of history,
68 it wouldn't cover enough variation in different economic
69 and capital market events. The other reason is because the
70 US market is the benchmark market throughout, considered
71 to be the benchmark market throughout the world, and
72 third, the observed propensity to, for Canadians to invest
73 beyond domestic borders favour the US. The US economy
74 is much closer in fundamentals to ... I forget which one I
75 said first ... the US and Canadian markets are very close
76 fundamentally, so the US market would be the first,
77 probably the first choice for an investor who is seeking
78 something that wouldn't, which would take advantage of
79 the greater diversity of opportunities, investment
80 opportunities, but not seek to increase his risk, basic risk
81 exposure.

82 MR. FITZGERALD: Okay, all those reasons that you've
83 just indicated why you would select the US markets, you
84 haven't mentioned that it happens to be the market that
85 outperforms all others.

86 MS. McSHANE: It has outperformed the Canadian market
87 for sure.

88 MR. FITZGERALD: Do you know if it has outperformed
89 the European or the Japanese?

90 MS. McSHANE: Since I don't have data going back that
91 far ... (inaudible) clearly has not outperformed, it clearly
92 outperformed markets like the German market which had
93 basically a significant rupture during the 20th century, and
94 probably has outperformed in the long-run, the Japanese
95 market which has, we probably all know, the Japanese

1 economy has been in sort of a tailspin for the last, last
2 number of years.

3 MR. FITZGERALD: By selecting the market that has
4 outperformed all the others, would you think that that
5 perhaps exhibits an upper bias in your selection?

6 MS. McSHANE: No, I think that I haven't selected that
7 market exclusively. I haven't given a hundred percent
8 weight to that. I have recognized that the Canadian market
9 has underperformed relative to other markets in the world,
10 and I have looked at the returns on the US market in
11 relation to what forward looking expectations are, so I
12 believe that I have appropriately reflected the performance
13 of the US market in arriving at what is an estimate of
14 investor expectations for future market returns, which is,
15 again, the objective of the exercise.

16 MR. FITZGERALD: Okay, but you have exclusively used
17 for the risk premium test, the US market. We don't have ...

18 MS. McSHANE: In addition to the Canadian market.

19 MR. FITZGERALD: And it's clearly outperformed the
20 Canadian one.

21 MS. McSHANE: It clearly has and there's clear evidence
22 that the Canadian market has underperformed.

23 MR. FITZGERALD: Now the third model or approach to
24 analyzing what a fair rate of return would be is referred to
25 as the discounted cash flow approach.

26 MS. McSHANE: Yes.

27 MR. FITZGERALD: This approach would provide a
28 slightly higher rate of return than the risk premium
29 approach. I believe your evidence indicates that you have
30 a range between 11 and 11 1/4.

31 MS. McSHANE: Yes.

32 MR. FITZGERALD: Now these, this approach, and correct
33 me if I'm wrong here, this approach relies heavily on
34 forecasting, forecasting growth?

35 MS. McSHANE: It relies heavily on investment analysts'
36 forecast of growth. The discounted cash flow model either
37 requires an independent estimate of investors growth
38 forecast, or it requires the analyst, him or herself to make
39 that forecast. I have chosen to use, directly use the
40 analyst's forecast of growth as the best estimate of what
41 investors expect and therefore those growth expectations
42 are implicitly embedded in the dividend yield component of
43 the discounted cash flow test.

44 MR. FITZGERALD: Okay, there is no historical reliance, or
45 is that in the history?

46 MS. McSHANE: There is historical reliance in the sense do
47 I use historic growth rates?

48 MR. FITZGERALD: Yes.

49 MS. McSHANE: No.

50 MR. FITZGERALD: Okay, if I could have a look at
51 Schedule 7 appended to your pre-filed evidence please?
52 Okay, this table is marked the TSE 300 DCF Based Market
53 Risk Premium Study, and I just want to take, for example,
54 the year 1993, and it indicates there that the TSE growth is
55 10.0, first quarter. Now this table is generated in the year
56 2001.

57 MS. McSHANE: Yes.

58 MR. FITZGERALD: Correct, now the information where we
59 see 1993, 1Q, I'm assuming that's the first quarter.

60 MS. McSHANE: Yes.

61 MR. FITZGERALD: And across from that, the 10.0.

62 MS. McSHANE: Yes.

63 MR. FITZGERALD: That's the forecast, is it not, of the TSE
64 growth?

65 MS. McSHANE: That is what investment analysts forecast
66 the long-term growth for the TSE companies would be in
67 1993.

68 MR. FITZGERALD: Okay.

69 MS. McSHANE: That's what they were forecasting them to
70 be at that point in time.

71 MR. FITZGERALD: Right, it turned out not to be that
72 though, is that correct?

73 MS. McSHANE: It would be ... I mean we don't know what
74 the long-term growth is, and you can take various growth
75 rates that have been achieved at specific points in time, and
76 they're never going to match exactly because these growth
77 rates as developed by analysts are intended to be
78 normalized long-term growth rates which effectively ignore
79 recessions and booms in the economy, so anytime you
80 actually measure a growth rate over a period of time, you
81 can't avoid going from a particular point in the business
82 cycle to another particular point in the business cycle, so
83 there is really no way that you can take an analyst's
84 forecast of longer term growth and any specific achieved
85 growth rate over some period and try to compare them.

86 MR. FITZGERALD: Okay, I think I understand what you
87 have just said. This document though, the Schedule 7, is
88 a document that indicates that the expected growth in 1993,
89 the first quarter for TSE would be 10.0 percent.

90 MS. McSHANE: Well, let's understand what this is, and
91 just because of the way you phrase it, I just want to make
92 sure we understand what this number means. It doesn't
93 mean that analysts expected the TSE earnings to grow by

- 1 ten percent.
- 2 MR. FITZGERALD: Sorry, they did or did not?
- 3 MS. McSHANE: They did not expect earnings of the TSE
4 300 companies to achieve growth of 10 percent in that
5 quarter of the year.
- 6 MR. FITZGERALD: Uh hum.
- 7 MS. McSHANE: What they were doing is forecasting,
8 they were forecasting at that point in time, what the long-
9 term growth in the earnings of the TSE 300 would be.
- 10 MR. FITZGERALD: Yes, okay.
- 11 MS. McSHANE: So there is nothing on this schedule
12 which even provides us with an estimate of, you know,
13 what the longer term growth rates have been, so unless,
14 you know, we have something which said, okay, here's
15 what the expected growth, long-term growth in 1990, here's
16 what they expected back in 1993 that long-term growth
17 would be, and here's where we are in 2001, and over that
18 period, 1993 to 2001, they become close to 10 percent. I
19 mean that's the kind of comparison that you have to do.
- 20 MR. FITZGERALD: Yeah, well maybe we could do that if
21 we look at **CA-139**, and it would be helpful to have both
22 documents before you at the same time. I don't know if we
23 can do that on the screen but ...
- 24 MS. McSHANE: The schedule, I can do it.
- 25 MR. FITZGERALD: **CA-139**.
- 26 MS. McSHANE: Okay.
- 27 MR. FITZGERALD: Okay, now if I look at **CA-139**, and
28 look at 1993, because we are looking at 1993 in relation to
29 your Schedule 7, the actual TSE dividend growth, a five
30 year period, is negative 14.1 percent. That's what we now
31 know occurred.
- 32 MS. McSHANE: Okay, but first of all, this is dividend
33 growth, right, and these are earnings growth rates in the
34 schedule, so we're not comparing apples and apples.
- 35 MR. FITZGERALD: Well, okay.
- 36 MS. McSHANE: And I think that I would take, even if we
37 were, I would take you back to my earlier comment which
38 was that these are intended to be normalized growth rates,
39 not taking into account, or trying to smooth over the
40 effects of recession or economic boom, and clearly the
41 period that we're comparing isn't really correct either
42 because we're talking about growth forecasts made in 1993
43 for the long-term, so we would be looking beyond 1993.
- 44 MR. FITZGERALD: Granted.
- 45 MS. McSHANE: Right.
- 46 MR. FITZGERALD: Granted, but we are seven or eight
47 years later.
- 48 MS. McSHANE: Yeah, but the number you were pointing
49 me to was negative 14.1.
- 50 MR. FITZGERALD: For 1993.
- 51 MS. McSHANE: Right, so the achieved growth in
52 dividends in 1993, wasn't that ...
- 53 MR. FITZGERALD: Well, it's still ...
- 54 MS. McSHANE: But the forecasting is being done in 1993
55 for the forward period, not for a period ending in 1993.
- 56 MR. FITZGERALD: Well, perhaps we should go back then
57 to the model, the discounted cash flow approach model.
58 What do we plug into the formula? Do we plug in dividend
59 growth?
- 60 MS. McSHANE: We plug in what investors' expectations
61 of longer term growth in cash flows to them are. Typically
62 the model is expressed as growth in dividends, but in
63 principle, if the model works then earnings, dividends, and
64 book value growth should all grow at the same rate, and the
65 earnings form the basis for ... you can't have dividends
66 without earnings ... so typically ...
- 67 MR. FITZGERALD: They're not one and the same? I'm
68 sorry, they're not one and the same?
- 69 MS. McSHANE: Dividends and earnings?
- 70 MR. FITZGERALD: Yes.
- 71 MS. McSHANE: Dividends are paid out of earnings, so
72 you have to have earnings to pay dividends.
- 73 MR. FITZGERALD: Okay.
- 74 MS. McSHANE: So it's very typical to look at, because
75 there are no forecasts made in, or consensus forecasts in
76 dividends, the typical approach is to look at the long-term
77 forecast in earnings with the expectation that the growth in
78 dividends should parallel the growth in earnings.
- 79 MR. FITZGERALD: Okay, okay, is it, you've already
80 indicated, of course, that this theory, the DCF theory is
81 based on forecasting.
- 82 MS. McSHANE: The DCF theory is based on being able to
83 capture investor expectations which investor expectations
84 are forward looking, and therefore, to the extent that we
85 have direct estimates of investor expectations, those would
86 be the most appropriate input to the model. It's been
87 recognized that investor expectations are ... I'm sorry,
88 investment analysts' forecasts are a better measure of
89 investor expectations than historic growth rates.
- 90 MR. FITZGERALD: Okay, is it possible that investor
91 analysis growth rates are upwardly biased?

1 MS. McSHANE: There is a possibility that in this
2 particular regard, the schedule that we're looking at,
3 Schedule 7, that there is optimism in those forecasts. That
4 has been taken into account in developing the risk premium
5 because there is a recognition that there is optimism.
6 However, I would just say that you need to recognize that
7 the optimism, the model is made up of two parts. It has the
8 dividend yield component which takes the dividend and
9 divides by the price and adds to that the growth
10 expectation. The price itself is, embedded in the price is the
11 estimate, is the investor's estimate of growth expectations,
12 so if investors are optimistic, that's going to result in a
13 lower dividend yield than otherwise, so there tends to be
14 an offset, if there's optimism, in the forecast of growth
15 because the dividend yield also reflects the optimism, but
16 to the extent that they don't completely offset each other,
17 that perhaps the dividend yield is not as, you know, lower
18 by the same amount of the optimism in the growth rates, my
19 estimate of the risk premium which uses these models as
20 one parameter, takes that potential upward bias into
21 account.

22 (12:15 p.m.)

23 MR. FITZGERALD: There is upper bias?

24 MS. McSHANE: There is some optimism which, the
25 upward bias is in the sense that it's been recognized that
26 compared to what's been achieved in growth that these
27 estimates are usually, or have been in the last several years,
28 optimistic.

29 MR. FITZGERALD: Indeed, I was just, if I could refer you
30 to the article that you have filed, it's at **CA-133**, Freid and
31 (inaudible). It looks like an academic journal.

32 MS. McSHANE: Sorry, which article are we looking at?

33 MR. FITZGERALD: I'm sorry, it's the article by Freid. It's
34 entitled, *Financial Analysis, Forecast of Earnings*, and I
35 believe you filed it in response to an IFR.

36 MS. McSHANE: This is from the *Journal of Accounting*
37 *and Economics*?

38 MR. FITZGERALD: Yes, and at page 92. I'm referring now
39 to page 92, the second paragraph, and this is really in
40 agreement, I guess, with your last point. This journal
41 discusses the financial analysis forecasts, and the last
42 sentence of that second paragraph on page 92, they state,
43 "The finding of some bias conforms to the persistent
44 optimism of FAF", meaning Financial Analysis Forecasts,
45 "reported by previous studies".

46 MS. McSHANE: Yes.

47 MR. FITZGERALD: So that's ... and further, the first
48 sentence in the paragraph, "The bias of each model is
49 provided by the fourth bottom panel in the table which

50 shows the mean relative error measured over all cases. The
51 results indicate some tendency for financial analysis
52 forecasts to overestimate the next year's earnings".

53 MS. McSHANE: Yes, and then it says, "Yet the bias of
54 FAF is present only in six of the eleven years, and except
55 for the first three years, it appears to be quite small".

56 MR. FITZGERALD: Mr. Chairman, I'm wondering if that's
57 a place for us to break.

58 MR. NOSEWORTHY, CHAIRMAN: I'll take your direction
59 on that. We'll reconvene at 2:00, thank you, Ms. McShane,
60 thank you, Mr. Fitzgerald.

61 (break)

62 (2:00)

63 MR. NOSEWORTHY, CHAIRMAN: Thank you. Good
64 afternoon. If you were out lunchtime hopefully you're not
65 too soggy this afternoon, uncomfortable to sit through an
66 afternoon again. I'd like to ask counsel if there are any
67 preliminary matters, Counsel, before we begin?

68 MR. KENNEDY: No, not that I'm aware of, Chair.

69 MR. NOSEWORTHY, CHAIRMAN: Ms. Greene, are there
70 any undertakings?

71 MS. GREENE, Q.C.: No, Mr. Chair, there were no
72 undertakings that were recorded yesterday so I have none
73 to speak to today.

74 MR. NOSEWORTHY, CHAIRMAN: Thank you, very
75 much. I'll ask Mr. Fitzgerald to continue with his cross with
76 Ms. McShane, please?

77 MR. FITZGERALD: Thank you, Mr. Chairman. Ms.
78 McShane, I wonder if we can go back to a topic we were
79 discussing this morning regarding the range on the return
80 of rate base which, I believe, not to put words in your
81 mouth, but you, at one point, might have said, in this
82 particular case, might be relevant?

83 MS. McSHANE: Yes.

84 MR. FITZGERALD: Okay. **CA-31**, if you could have a
85 look at that, please? Okay. At line 18. You say "A review
86 of the rates," that's Hydro's rates, obviously, "would be
87 triggered if the return on rate base exceeded 10.2 percent."
88 9.2 plus 1.0. If Hydro did achieve that range have you
89 calculated what that would translate into on a rate of return
90 on equity?

91 MS. McSHANE: On a rate of return equity? No, I guess I
92 haven't done that.

93 MR. FITZGERALD: I would suggest to you, and subject
94 to check, obviously, that that would allow a rate of return
95 on equity for Hydro for the test year of something in the

1 range of 30 percent.

2 MS. McSHANE: Well, this was supposed to be an
3 illustration at a 70/30 capital structure. And if I were to do
4 it at 85/15 I would recommend something different than
5 that.

6 MR. FITZGERALD: So something lower?

7 MS. McSHANE: Yes. Because effectively, what you'd
8 have is 85 percent of your debt whose cost is effectively
9 fixed. I mean, there would be some variation for new ... on
10 new issues, and 15 percent of equity. So if you look at an
11 85/15 and said that a reasonable range for the return on
12 equity would be, let's say, 200 basis points, then, on either
13 side, then if you put that together with 85 percent debt and
14 allow a 25 basis point differential. I mean, there's no magic
15 to this and it's just trying to come up with something that's
16 reasonable. Then you could say that the upper end of the
17 range would be 85 percent, and if you allowed a 25 basis
18 point differential on the debt that would get you to 855.
19 And 15 percent return ... I'm sorry, 15 percent equity times
20 upper end of the range, 13 and a quarter, then that would
21 get you to about nine and a quarter percent return on rate
22 base. So that would represent the level at which you would
23 start, you would consider issuing a refund to customers.

24 MR. FITZGERALD: Okay. So when I look at CA or when
25 the Board looks at CA-31, obviously, the review that you
26 refer there at line 18 and 19, that has no application to the
27 case at hand?

28 MS. McSHANE: Not this year, no.

29 MR. FITZGERALD: Okay. Now, on the theme of the
30 reasonable rate of return I'm wondering if I could ask you
31 to look at your pre-filed evidence at page 35?

32 MS. McSHANE: Yes, I see that.

33 MR. FITZGERALD: Okay. See the footnote there?

34 MS. McSHANE: Yes.

35 MR. FITZGERALD: The question I have for you is, could
36 you tell us who does the bulk of trading of common equity
37 in the markets, are they institutional or retail investors?

38 MS. McSHANE: The primary would be institutional, but
39 retail investors have become a larger part than typically in
40 the past. But institutional investors are the investors who
41 move large blocks of stock, and therefore, those who
42 effectively move the market.

43 MR. FITZGERALD: Okay. Could I translate that to mean
44 that their movements, if you will, determine the price of the
45 common equities?

46 MS. McSHANE: More so than individual investors, yes.

47 MR. FITZGERALD: Okay. So, when I look at this footnote

48 that's included here at page 35 for illustrative purposes, it
49 says "To illustrate, according to a September, 1998 pole
50 reported by the Wall Street Journal the average annual
51 return investors expect from stocks over the next ten years
52 was 16 percent." Now, the investors you're referring to
53 there are not institutional investors, are they?

54 MS. McSHANE: No. They're individual investors.

55 MR. FITZGERALD: Right. So, you're not suggesting, are
56 you, by this footnote, that this Board should seriously
57 consider equity risk premiums to be 10 to 15 percent or
58 something in that range?

59 MS. McSHANE: What I'm saying is that if you look at
60 what the investment analysts are projecting as far as
61 growth rates, and the investment analysts come out of the
62 same institutions as the institutional traders, and you
63 compare that to what the retail investors are saying, they
64 expect that there is a consistency between what the
65 investment houses are saying, on the one hand, and the
66 retail investors are thinking on the other hand. No, I'm not
67 asking the Board to approve a risk premium of number that
68 shows up in the schedule that we were talking about before
69 lunch, which was Schedule 7, where the indicated risk
70 premium in 2000, based on earnings forecast and dividend
71 yields is, you know, been in the range of 8.2 to nine and a
72 half. It does provide an input, however, into an estimate of
73 what the expected risk premium is. And you know, the fact
74 that it doesn't come out ... that I don't say that is it that
75 number verses any other specific number doesn't mean that
76 it's not a valuable piece of information into determining
77 how expectations compare to history.

78 MR. FITZGERALD: Your reference to Schedule 7, we have
79 determined this morning, I guess, that that is a forecasting
80 set of figures, if I can put it that way?

81 MS. McSHANE: The growth rates represent investments
82 analysts, yes.

83 MR. FITZGERALD: Yeah.

84 MS. McSHANE: It's forecast of earnings, long-term
85 earnings growth. Of course, forecasts typically take into
86 account what history has been. I mean, and to the extent
87 that history is relevant in developing forecasts those will
88 be built ... those historic earnings will be built into the
89 forecasts of what is to come.

90 MR. FITZGERALD: I'd ask you, please, now to refer to
91 page 49 of your testimony?

92 MS. McSHANE: I have that.

93 MR. FITZGERALD: Okay. I may have given you an
94 incorrect reference there. Just allow me a second. I'm
95 sorry, if you could actually read into the record for me,
96 please, line 25 to 31?

1 MS. McSHANE: "The application of the comparable
2 earnings test first requires the selection of a group of
3 Canadian industrials of generally similar risked utilities.
4 The selection should conform to investor perceptions of
5 the risk characteristics of utilities which are generally
6 characterized by relative stability of earnings, dividends
7 and market prices." Did you want me to continue?

8 MR. FITZGERALD: If you would.

9 MS. McSHANE: Okay. "These were the principal criteria
10 for the selection of the Canadian industrial companies from
11 consumer oriented industries resulting in a sample of 17
12 companies."

13 MR. FITZGERALD: And when you refer there to this
14 selection process vis-a-vis the comparable earnings test,
15 this is your selection process, is it?

16 MS. McSHANE: Yes.

17 MR. FITZGERALD: Yes, that's on the screen. Yeah, okay.
18 Then if I could ask you to refer to **CA-134**, please

19 MS. McSHANE: Yes, that's on the screen.

20 MR. FITZGERALD: Okay. Now, just sort of drills down a
21 little bit more to just exactly what the selection process was
22 with these 17 comparables. If you could read commencing,
23 please, if you would, from line 12 to line 19?

24 MS. McSHANE: "Stability of earnings, dividends and
25 market prices were the principal criteria governing the
26 selection of low risk industrials from the universe. This
27 universe of 95 Canadian companies is comprised of all firms
28 with (1) sufficient historical book in market data over the
29 study periods, (2) common equity of 50 million or greater,
30 and (3) 125,000 common shares or more traded annually.
31 From this universe all firms that had cut their dividends by
32 more than 25 percent or had not paid dividends since the
33 beginning of the most recent point to point business cycle,
34 1991, or eliminated leaving 35 companies."

35 MR. FITZGERALD: Now, could you inform the Board what
36 type of company is likely to reduce or not pay dividends?

37 MS. McSHANE: Well, a company that's not likely to pay
38 dividends is a company that is in growth mode. A
39 company that has reduced its dividends may do so for a
40 number of reasons. (1) because its earnings have
41 deteriorated to the point where it no longer can sustain
42 dividends, or (2) because it has changed its strategy at
43 some point and decided that instead of paying out funds in
44 dividends that it will use the funds to finance growth
45 opportunities, or (3) it might have cut dividends because
46 it's decided instead to repurchase shares rather than to pay
47 dividends as a strategy of compensating its investors.

48 MR. FITZGERALD: So, you wouldn't equate this cutting

49 their dividends by ... companies that cut their dividends by
50 25 percent or had not paid dividends as necessarily
51 companies that have poor earnings?

52 MS. McSHANE: Not necessarily. But the idea is that
53 companies with stable earnings are companies that will
54 tend to have stable dividends. So there will be a tendency
55 to cut companies whose earnings are unstable by virtue of
56 the fact that you're eliminating companies with a poor
57 dividend history. The idea was that utilities are typically
58 companies that pay dividends consistently over time and
59 that was considered to be a major characteristic of a utility.
60 And as a result, it was important that I choose
61 characteristics that were compatible with the characteristics
62 of utilities.

63 MR. FITZGERALD: Practically speaking, though, if you
64 leave out these companies from your selection universe
65 who have had poor earnings haven't you then excluded
66 from your comparable earnings test companies that have
67 low rates of return?

68 MS. McSHANE: You may have excluded some companies
69 whose returns are low from the universe. That doesn't
70 mean they would have ended up in the sample, anyway,
71 because ...

72 MR. FITZGERALD: Well, certainly they wouldn't have at
73 all if you ...

74 MS. McSHANE: No. I mean, I agree with you, they can't
75 end up in the sample if they're not in the universe. But the
76 way the criteria are designed, if one of the other criteria is
77 stability of earnings, which it is, and cutting dividends is
78 inconsistent with stability of earnings, then those
79 companies wouldn't have ended up in the sample, anyway.
80 I mean, they would have started out in the universe, but
81 wouldn't have ended up in the sample of comparable
82 companies.

83 (2:15)

84 MR. FITZGERALD: If I could ask you now to refer to page
85 50 of your pre-filed evidence?

86 MS. McSHANE: Yes.

87 MR. FITZGERALD: Line 7.

88 MS. McSHANE: Yes.

89 MR. FITZGERALD: And I'll spare you reading it, I'll just
90 read it there. "Over the past point to point business cycle,
91 '91 to '99, the experience returns on equity of this sample
92 of 17 industrials average approximately 12.5 to 12.75
93 percent." That's correct, obviously?

94 MS. McSHANE: You read that very well.

95 MR. FITZGERALD: Thank you.

1 MS. McSHANE: You may read for me any time.

2 MR. FITZGERALD: I may offer that again. Now, could
3 you have a look, please, at **CA-142**? Now, here are the 17
4 industrials, I believe, that you referred to?

5 MS. McSHANE: Yes.

6 MR. FITZGERALD: That's indicating their rate of return is
7 12.5 to 12.75?

8 MS. McSHANE: Yes. These are the market to book ratios
9 on **CA-142**?

10 MR. FITZGERALD: Yes.

11 MS. McSHANE: Yes.

12 MR. FITZGERALD: Okay. And I'd like you to, perhaps,
13 tell us what you observe there in the column for the year
14 2000, what the median marketable ratio was for these 17
15 companies?

16 MS. McSHANE: 2.4 times.

17 MR. FITZGERALD: Now, wouldn't it be true that if
18 investors are willing to pay 2.4 times the book value,
19 doesn't this suggest to you that the possibility that the
20 required return by investors are below the observed return
21 on book equity of 12 and a quarter, 12.75?

22 MS. McSHANE: The market derived cost of attracting
23 capital may be below the comparable earnings test result,
24 but the companies achievable returns on book equity are in
25 the range laid out on page 50, and provided, in detail, on
26 Schedule 16. These are a measure of the opportunity cost
27 as in the context of the way in which utilities are regulated
28 and that is on original costs. These are the achievable
29 earnings by low risk industrials measured on original cost
30 book value.

31 MR. FITZGERALD: Isn't the market price bid up by
32 investors, though, new investors, is that ...

33 MS. McSHANE: The market price of the stock may be bid
34 up by investors, but these are the returns that are
35 achievable on book value and this is the way returns are
36 set in ... under original cost rate base regulation, and as
37 such, they provide an estimate of the opportunity cost, by
38 reference to a measure, which uses the same methodology
39 as the application of the return on rate base.

40 MR. FITZGERALD: Okay. These aren't the required
41 returns, though, are they?

42 MS. McSHANE: This is not the cost of attracting capital,
43 no. This is not the investor required return on market
44 value.

45 MR. FITZGERALD: On page 52, if you would, Ms.
46 McShane? If you could read that into the record for us,

47 please, I'd appreciate it, commencing at line 25, ending at
48 line 28?

49 MS. McSHANE: "However, the recent levels of allowed
50 returns on equity for Canadian utilities are considered by
51 the investment community to be lower than those available
52 on alternative investments of similar risk."

53 MR. FITZGERALD: Okay. And the allowed returns which
54 you're referring to there are shown in your Schedule 19, I
55 believe?

56 MS. McSHANE: Yes.

57 MR. FITZGERALD: Okay. Now, are you suggesting, from
58 the text of your evidence that you just read, that the
59 allowed returns by regulators in Canada are inadequate?

60 MS. McSHANE: Compared ... in compared to what allowed
61 returns are in the U.S., which are the closest proxy and
62 compared to alternative returns available from ... or
63 investment returns from alternatives, yes.

64 MR. FITZGERALD: Yeah. I guess, I mean, the basic
65 answer, then, is that they are inadequate, in your opinion?

66 MS. McSHANE: Yes.

67 JMR. FITZGERALD: Yes, okay. I have the right schedule
68 up there, actually, Mr. O'Rielly. Okay. If you could just
69 actually shift that over, Mr. O'Rielly, I want to look at the
70 returns for 2001 in Schedule 19 of Ms. McShane's, page 2
71 of 2. Okay. Now, here, if you're with me, we have ... I'm at
72 page 2 of 2 of your schedule. In the year 2001 we have
73 actuals, these are actual returns?

74 MS. McSHANE: On Schedule 2?

75 MR. FITZGERALD: Yes.

76 MS. McSHANE: No.

77 MR. FITZGERALD: Allowed, I'm sorry. These are
78 regulated rates of return?

79 MS. McSHANE: Yes.

80 MR. FITZGERALD: Okay. The average of electrics 9.67?

81 MS. McSHANE: Yes.

82 MR. FITZGERALD: That includes Newfoundland Power?

83 MS. McSHANE: Yes.

84 MR. FITZGERALD: If I could ask you, then, to look at **CA-**
85 **144**, please?

86 MS. McSHANE: Yes.

87 MR. FITZGERALD: This is a market to book ratio
88 schedule, if you will, referring to some of those same
89 companies that we were looking at in your Schedule 19,
90 page 2?

- 1 MS. McSHANE: A very couple of them.
- 2 MR. FITZGERALD: A very couple of them. We have ...
3 excuse me, I misplaced my schedule. Okay. Looking at
4 Schedule 19, page 2 of 2 and looking at CA-144 at the same
5 time, if you can do that for me?
- 6 MS. McSHANE: Schedule 19, page 2 of 2?
- 7 MR. FITZGERALD: Right.
- 8 MS. McSHANE: And?
- 9 MR. FITZGERALD: And CA-144. You might have to do
10 that with the hard copy.
- 11 MS. McSHANE: Okay.
- 12 MR. FITZGERALD: Now, the regulated rate of return, say,
13 for example, for B.C. Gas Utility, I'm looking at Schedule 19.
- 14 MS. McSHANE: It's the allowed return for B.C. gas?
- 15 MR. FITZGERALD: Yes.
- 16 MS. McSHANE: Yes.
- 17 MR. FITZGERALD: Nine and a quarter has been allowed.
18 If we look at CA-144 market to book ratio in 2000, and that
19 may not be fair to compare two different years, but they're
20 pretty close, the shares are trading at a book value one to
21 six market book ratio?
- 22 MS. McSHANE: Well, B.C. Gas, first of all, is made up of
23 a lot more than B.C. Gas Utility, it's also made up of Trans
24 Mountain Pipeline, which is not subject to a specific rate of
25 return. In fact, it's subject to a settlement agreement which
26 allows it to keep whatever returns it earns in excess of
27 what's provided for the settlement. In addition, there are
28 non-regulated, some non-regulated investments. And as
29 I recall, the last B.C. Gas, the report that I looked at said
30 that the target rate of return on common equity for the
31 corporation was 12 percent, which is considerably higher
32 than the allowed nine and a quarter.
- 33 MR. FITZGERALD: Would you know, currently, off the
34 top of your head, say, what the market book ratio would be
35 for Fortis Inc.? I don't think it's on CA-144.
- 36 MS. McSHANE: On, no, it's not, no. I want to say 125 but
37 I'm not sure. Peter can tell you.
- 38 MR. FITZGERALD: It's trading over market over book,
39 though, it's exceeded?
- 40 MS. McSHANE: Oh, I've not ... yes, it's possible that it's
41 over one.
- 42 MR. FITZGERALD: Yeah. More than ...
- 43 MS. McSHANE: But again, I mean, we're talking about,
44 you know, a company that has in it Maritime Electric which
45 is allowed to earn 11 percent now. It also includes all the
46 Fortis non-regulated properties and investments in Balize,
47 the Grand Caymans, Ontario, as well. So it's not just the
48 Newfoundland Power regulated investment.
- 49 MR. FITZGERALD: Of those different enterprises that you
50 mention that are part of Fortis, do you know which of those
51 is outperforming the other?
- 52 MS. McSHANE: Well, I don't know specifically what the
53 rates of return on the individual components are, no. But
54 the market to book ratio, don't forget, represents what
55 investors' expectations are for the future, it doesn't
56 necessarily reflect what a particular investment happens to
57 be earning in any given year.
- 58 MR. FITZGERALD: Okay. According to your schedule,
59 the regulated rate of return, 2001 for Newfoundland Power
60 is 9.59?
- 61 MS. McSHANE: That's what the allowed rate of return
62 was, right.
- 63 MR. FITZGERALD: Yes. We know, I guess we could take
64 notice of the fact that Fortis is the sole shareholder of
65 Newfoundland Power?
- 66 MS. McSHANE: Yes.
- 67 MR. FITZGERALD: And the shares of Fortis, although,
68 granted, made up of ... or it's a fairly large enterprise, are
69 trading at a favourable rate right now?
- 70 MS. McSHANE: If you mean by a "favourable rate" are
71 they trading at a market to book above one?
- 72 MR. FITZGERALD: Yeah.
- 73 MS. McSHANE: Yes, they are trading at a market to book
74 slightly above one. Are they trading at a favourable market
75 to book ratio, if you compare that market to book ratio to
76 the average market to book ratio even now of the S and P
77 500, which is about six times, no, they're not. So, it's ... yes,
78 it's a little bit over one, but clearly, not what I would call
79 favourable in terms of relative valuations.
- 80 (2:30)
- 81 MR. FITZGERALD: You are aware, of course, that it was
82 this particular Board that set the regulated rate of return for
83 Newfoundland Power in 2001?
- 84 MS. McSHANE: Yes, I'm aware of that.
- 85 MR. FITZGERALD: And, while you will not agree with me
86 that Fortis' shares are trading at a favourable rate, they are,
87 at least ... no one is losing money with the investment in
88 Fortis? You say it's not a favourable market to book ratio
89 ...
- 90 MS. McSHANE: Well, I guess all I was trying to say was
91 that it depends what your comparative is. If your

1 comparative is the rest of the market, then it's not. If your
2 comparative is simply one, it's slightly over one.

3 MR. FITZGERALD: Compared to the rest of, you said the
4 market. Maybe you could remind me, comparable to
5 whom?

6 MS. McSHANE: Well, I gave you an example, the S and P
7 500, because I happen to know that number off the top of
8 my head. Compared to the TSE 300, I think the market to
9 book ratio TSE 300 is ... I haven't calculated it recently. The
10 last time I looked at it it was about three times. If you look
11 at the industrial companies in that sample, I mean, they've
12 clearly been able to maintain market to book ratios
13 valuations in excess of one consistently, I mean, and one
14 would expect that to be the case. So, one times versus
15 three times is, a utility versus the TSE 300 is what I was,
16 you know, referring to or the S and P 500 or any other
17 number of indices that are diversified.

18 MR. FITZGERALD: If a regulated company earns its cost
19 of capital shouldn't the market book ratio be 1.0?

20 MS. McSHANE: If it only earned the bare bones of
21 attracted capital then the market to book ratio should equal
22 one. And if it's earning something that's equal to the
23 comparable earning standard, then, yes, you would expect
24 it to be able to achieve a market to book ratio in excess of
25 one.

26 MR. FITZGERALD: So, then, Fortis has got some skin on
27 its bones, then, I guess?

28 MS. McSHANE: Has some skin, I don't understand that
29 expression.

30 MR. FITZGERALD: Okay.

31 MS. McSHANE: Has skin ... meat on its bones, but skin,
32 I'm not sure about.

33 MR. FITZGERALD: Let's start with the muscle tissue, then.

34 MS. McSHANE: Okay.

35 MR. FITZGERALD: Obviously, Fortis is not bare bones?

36 MS. McSHANE: No, that's ... I mean, don't forget that
37 Fortis is more than the utility.

38 MR. FITZGERALD: No, I understand that.

39 MS. McSHANE: So the book value of utilities, obviously,
40 means significantly more than the book value of non-utility
41 operations, so ... because you've got a company that's got
42 both utility and non-utility I don't think that you can
43 conclude that it's earning an excess of its cost of capital.

44 MR. FITZGERALD: Just a few more questions, Ms.
45 McShane. Back to where we started regarding the
46 recommended rate of return for this particular enterprise,

47 Hydro. You have advised this Board, in your estimation,
48 the proper recommended return or your recommended
49 return for Hydro is 11.0 to 11.5 percent with a mid range of
50 11.25?

51 MS. McSHANE: Yes.

52 MR. FITZGERALD: Okay. Now, could you please refer to
53 **CA-137**? Now, this is a table in response to an information
54 request regarding your past recommendations before other
55 regulatory boards regarding other regulated entities. Now,
56 I could do the math here or you can do the math. I'm not
57 sure if you have your calculator with you. But it appears,
58 if you scroll down through that and you compare your
59 recommended to the actual allowed return on equity that,
60 in fact, you have your recommendations, your
61 recommendations have been overstated by a level of about
62 1.4 percent. Do you accept that?

63 MS. McSHANE: Well, I would accept that the boards have
64 approved returns that are, on average, 1.4 percent below.
65 I don't like your characterization of them being overstated.
66 But yes, they have been, the approved returns have been
67 lower than what I have determined to be a reasonable
68 return.

69 MR. FITZGERALD: Okay. Alright. Thanks, Ms.
70 McShane. That's all my questions, Mr. Chairman.

71 MR. NOSEWORTHY, CHAIRMAN: Thank you, Mr.
72 Fitzgerald. Thank you, Ms. McShane. I'll move now to Mr.
73 Kennedy's cross, please?

74 MR. KENNEDY: Thank you, Chair. Ms. McShane.

75 MS. McSHANE: Good afternoon.

76 MR. KENNEDY: Ms. McShane, the first thing I wanted to
77 do is just try to get to the bottom, if you will, of your
78 opinion regarding Hydro's applied for rate of return. And
79 I'm not sure if you've had an opportunity to review Mr.
80 Wells' testimony?

81 MS. McSHANE: His testimony, you mean his actual
82 written pre-file testimony?

83 MR. KENNEDY: No. His testimony in the hearing itself?

84 MS. McSHANE: The transcript?

85 MR. KENNEDY: That's correct.

86 MS. McSHANE: I did read the transcript, yes.

87 MR. KENNEDY: Okay. And in my cross-examination of
88 Mr. Wells I made note of the fact that he had referred to the
89 applied for rate of return being based on a return on equity
90 of three percent in somewhat derogatory terms. His
91 phraseology was that it was idiotic and that it was a no
92 brainer, and there, alternatively, in the transcripts of the
93 26th and in the transcript of September the 24th. And I also

1 note that in your own pre-file testimony, and I believe Mr.
2 Fitzgerald just brought you to this, but at page 55 of your
3 testimony you indicate that since Hydro ... I'd better just
4 read the specific line. It's at line 16. This was in your
5 discussion about the use of a range. And then you
6 continued that "Since Hydro is only seeking to earn a
7 return on equity of three percent the requested return on
8 rate base understates its true cost of capital." At page 56
9 of your pre-filed ... actually, the sentence begins at the
10 bottom of page 55 at line 23. "Since Hydro is requesting a
11 return on rate base of only 7.4 percent it would not be
12 reasonable to conclude that Hydro's actual return on rate
13 base will be required to fall short of an already inadequate
14 return before it could again bring an application for a rate
15 increase to the Board." In light of all these comments by
16 both yourself and Mr. Wells, himself, concerning the return
17 on equity and then the resulting return on rate base that
18 falls out of that return on equity, I'm wondering if you
19 could provide to me your professional opinion as to
20 whether a 7.4 percent rate of return on rate base, based on
21 a three percent rate of return on equity is a fair and
22 reasonable rate of return as construed under the Public
23 Utilities Act and the Electrical Power Control Act?

24 MS. McSHANE: No, it is not.

25 MR. KENNEDY: I'd like to turn now to the rate base issue,
26 if I could? On page 12 of your pre-filed evidence at line 21
27 there's a question as a follow-up to the capital
28 underpinning the financing of the utility assets. "What if
29 there is specific capital that can be identified with non-
30 utility assets?" And your reply is "That capital would be
31 removed from the corporate capitalization to arrive at the
32 utility only capitalization. Hydro did this by removing the
33 debt and equity retained earnings specifically attributable
34 to Hydro's investment in Churchill Falls and removing from
35 equity Hydro's earnings from recall energy." I just wanted
36 to ask you what your view is, first, on the fact that Hydro
37 is, in itself, a utility generator and transmitter and, in some
38 cases, distributor, and that these assets that we're backing
39 out are utility related as opposed to, in the case of Fortis,
40 there is some non-utility aspects to Fortis. And given that,
41 in some respects, Hydro is treated on a consolidated basis,
42 and we'll look to that specifically in a minute, I'm just
43 wondering if you could provide the Board with some
44 guidance about taking those aspects of its utility operation
45 out of some aspects of its regulated environment and, yet,
46 they still remain in other aspects like the consolidated
47 statements that the rating agencies use?

48 MS. McSHANE: Well, I don't think that what is done for
49 financial statement purposes has much bearing on what
50 should be done for regulatory purposes. What the
51 regulators should be concerned with are the assets and
52 financing that are associated with the utility. And as a

53 result, to the extent that utility assets and related financing
54 can be kept separate, they should be.

55 MR. KENNEDY: Okay. Let's just turn to page 23 of your
56 direct ... or your pre-filed. There's reference in your pre-
57 filed testimony there beginning at line 19 in response to the
58 question of reconciling Hydro's 1999 capital structure with
59 its forecast capital structure for the test year 2002. Of
60 Hydro's ... it's at the beginning of line 21. "Hydro's forecast
61 non-consolidated debt ratio for 2002 of 71 percent,
62 inclusive of the financing of the investment in Churchill
63 Falls, is directly comparable to the 63 percent debt ratio in
64 1999 cited in the DBRS report. So, it is the case that the
65 rating agencies look to the consolidated company when
66 determining the bond rating?"

67 MS. McSHANE: That's absolutely correct, they do.

68 MR. KENNEDY: And in that regard, how does that, then
69 ... how is that, then, taken into account in determining what
70 the appropriate rate of return is for Hydro as the utility
71 without these assets in it?

72 MS. McSHANE: The typical approach that has been taken,
73 because Hydro is not alone in having non-regulated
74 operations, is to deal with the utility on a stand alone basis,
75 and to determine what the appropriate capital structure
76 would be for a utility without any regard to operations in
77 non-utility areas and to determine what a rate of return,
78 allowed rate of return on the utility assets should be,
79 without any concern with what the returns are from the
80 non-regulated operations.

81 MR. KENNEDY: So, at page 16 of your pre-filed at line 16,
82 in response to the question of describing the principals
83 that underpin the financing of Hydro's utility operations as
84 a commercial entity?

85 MS. McSHANE: Yes.

86 MR. KENNEDY: You state that you start with the
87 proposition that a utility, a Crown corporation or investor
88 owned should be financed in a manner which is compatible
89 with commercial viability on a stand alone basis without
90 subsidies as among stakeholders. And I believe that
91 you've already been referred to this particular paragraph?

92 MS. McSHANE: Yes, right.

93 MR. KENNEDY: And I have a couple of questions in that
94 regard. One is, you say Crown corporation or investor
95 owned. So, is there, in your mind, a distinction between the
96 two, that we would treat a Crown corporation or an investor
97 owned corporation differently for the purposes of if they
98 were a regulated utility?

99 MS. McSHANE: No. Are you referring because I used the
100 word "or"?

- 1 MR. KENNEDY: Yes. So ...
- 2 MS. McSHANE: Oh, so as opposed to the word "and."
3 No, there was no substantive difference to be attributed to
4 that choice.
- 5 MR. KENNEDY: Okay. So we would say it's a conjunctive
6 "or" rather than a disjunctive?
- 7 MS. McSHANE: Yes.
- 8 MR. KENNEDY: Okay. So in your opinion, for the
9 purposes of providing a regulatory environment, it's
10 irrelevant of whether Hydro is a Crown corporation or an
11 investor owned corporation?
- 12 MS. McSHANE: For this starting purpose, that's correct.
- 13 MR. KENNEDY: And that in regards to it being treated as
14 if it's on a stand alone basis, again, we ignore, from your
15 opinion, the Board should ignore the fact that it is just part
16 of a larger operation that, in some respects, gets treated on
17 a consolidated basis and other respects shouldn't, and this
18 is one of the respects where it shouldn't?
- 19 MS. McSHANE: Yes. And maybe I can give you just a
20 couple of examples.
- 21 MR. KENNEDY: Sure.
- 22 MS. McSHANE: To indicate that this is typical. Take a
23 company like Trans Canada Pipelines, which has always
24 had a significant number of non-regulated operations. The
25 National Energy Board only looks at the consolidated
26 capital structure to assure itself that the total amount of
27 equity in the company is sufficient so that the utility capital
28 structure is not giving a subsidy to the non-utility capital
29 structure. So it says, let's determine what the risks on a
30 stand alone basis of Trans Canada Pipelines, the regulated
31 utility are. Let's determine what an appropriate capital
32 structure for that entity is and then let's make sure that, in
33 total, I have enough equity in the firm on a consolidated
34 basis so that I can actually have whatever the deemed
35 capital structure for the Pipeline is and an appropriate
36 equity for the non-utility operations. But it doesn't take the
37 consolidated capital structure and say that that,
38 irrespective of what it is, belongs against the utility assets.
39 (2:45)
- 40 MR. KENNEDY: So using an example, in the case of
41 Newfoundland Power being a wholly owned subsidiary of
42 Fortis, that the Board looks at Newfoundland Power as a
43 stand alone utility and in turn, its capital structure, but that
44 it has to ensure that there's no subsidization that takes
45 place between Newfoundland Power and Fortis because
46 you can look at Fortis' capital structure as a market ... on a
47 market basis?
- 48 MS. McSHANE: Well, Fortis and Newfoundland Power are
49 a little bit different than the example I was just giving you,
50 because Trans Canada Pipelines is a single entity. It
51 doesn't have subsidiaries that raise their own capital, so
52 capital is only being raised at one level at Trans Canada
53 Pipelines. In the case of Newfoundland Power,
54 Newfoundland Power raises its own debt, it has its own
55 debt rating. And it's, the last I looked it has a A, A minus
56 debt rating. So, if customers are paying the cost of debt
57 that is incurred by Newfoundland Power, not Fortis, so as
58 long as the company has its own financial structure and its
59 own debt rating there really isn't any need to look beyond
60 Newfoundland Power to Fortis. And in the case of Trans
61 Canada, because of the way its structured, there is.
- 62 MR. KENNEDY: And in the case of Newfoundland and
63 Labrador Hydro there is or there isn't?
- 64 MS. McSHANE: There would be. You would want to make
65 sure that, in total, it was enough equity to be supporting
66 the capital structure that you say is utility.
- 67 MR. KENNEDY: In the case of it being treated as an
68 investor owned company, is there any difference, in your
69 view, between whether it's a broadly held or whether it's a
70 closely held corporation?
- 71 MS. McSHANE: In terms of what a fair and reasonable
72 return is?
- 73 MR. KENNEDY: Yes.
- 74 MS. McSHANE: No, absolutely not. I think that that leads
75 us down a slippery slope when you say that I should have
76 a different return from another company just because, you
77 know, I happen to be owned by a single shareholder. It
78 doesn't make any sense, to me, to conclude that if I'm held
79 by one shareholder and all of a sudden I'm sold into the
80 market to a broad range of shareholders that all of a sudden
81 a return of equity should be different. It should be the risk
82 of the assets and the financial structure, not who owns the
83 shares.
- 84 MR. KENNEDY: And so, in the case of if I'm a shareholder
85 of some fictitious company and I'm one of millions of
86 shareholders of that fictitious company I am entitled to earn
87 the same rate of return as if I owned the company outright,
88 every one of their shares, I should be compensated
89 equivalently?
- 90 MS. McSHANE: In principle, yes. I mean, the fact ...
- 91 MR. KENNEDY: Given that the business risk hasn't
92 changed?
- 93 MS. McSHANE: ... of the matter is that you may be able to
94 achieve some efficiencies and be able to earn some returns
95 that are different because of the way the ... if management
96 and shareholder happen to be the same entity. But, as a
97 matter of principle, for a utility there's no reason to say that

1 as a single shareholder I should have a return that's ... or
2 my ratepayer should pay a return that's different from the
3 return that's paid by a utility which is held by many
4 shareholders.

5 MR. KENNEDY: And that, just to be sure, that, again, is
6 regardless of, well, what rights I may be able to exercise a
7 majority or sole shareholder of a company as opposed to if
8 I was a minority shareholder of a company?

9 MS. McSHANE: Let's understand that I'm dealing
10 specifically in terms of utility regulation here. And I would
11 suggest that that consideration should not bear on what
12 the fair and reasonable return on equity is, because
13 ultimately it's who's paying the return. The ratepayers are
14 paying the return and the ratepayers shouldn't pay a
15 different return just because of who happens to own the
16 company they're served by.

17 MR. KENNEDY: But the ratepayers pay the return
18 determined as to what's fair to the investor, though, right,
19 not what's fair to the ratepayer?

20 MS. McSHANE: Well, it has to be. You know, we're
21 balancing the interests of consumers and ratepayers. So
22 what's fair to the investor is a rate of return that, you know,
23 meet the very standards that we all accept as apple pie and
24 motherhood, and the ratepayers don't deserve to face
25 different rates of return simply because of who the
26 company is owned by. It shouldn't be who it's owned by,
27 but what the basic business and financial risks to the
28 company are.

29 MR. KENNEDY: Chair, that's a good opportunity to break.

30 MR. NOSEWORTHY, CHAIRMAN: Okay. Thank you, Mr.
31 Kennedy. We'll break until ten after, please?

32 (break)

33 (3:15 p.m.)

34 MR. NOSEWORTHY, CHAIRMAN: Thank you. Could I
35 ask Mr. Kennedy and Ms. McShane to continue, please?

36 MR. KENNEDY: Thank you, Chair. Ms. McShane, under
37 *The Electrical Power Control Act*, Section 3(a)(iii), which
38 is, I believe, a provision that's already been referred to you,
39 and I think actually you quoted in your own direct
40 testimony at one point, and this is the section of the *EPCA*
41 that provides that, "It's the policy of the province that the
42 rates to be charged, either generally or under specific
43 contracts, for the supply of power within the province
44 should provide sufficient revenue to the producer or
45 retailer of the power to enable it to earn a just and
46 reasonable return as construed under *The Public Utilities*
47 *Act* so that it is able to achieve and maintain a sound credit
48 rating in the financial markets of the world." And then I
49 wonder if we could just turn to **Section 80 of *The Public***

50 *Utilities Act*. This is the fair and reasonable provision of
51 *The Public Utilities Act*, and it's right there in sub 1, "A
52 public utility is entitled to earn annually a just and
53 reasonable return as determined by the Board on the rate
54 base as fixed and determined by the Board for each type of
55 service," so and so on. The rest of it is for our purposes
56 here, at least my line of questioning, not particularly
57 relevant, so. So I guess the Board's mandate is as provided
58 under that Section 3 of the *EPCA* and then it dovetailing
59 with Section 80 of *The Public Utilities Act*, and I'm
60 wondering, you've already been asked a question about the
61 fact that the stand-alone basis on which you're
62 recommending that the Board treat Hydro.

63 MS. McSHANE: That would be the point of departure for
64 determining what a just and reasonable return would be
65 overall, yes.

66 MR. KENNEDY: Right. And I don't know if you were
67 specifically asked, so I thought I would just come back to
68 it, but your phrasing as well of treating the Utility as if it's
69 investor-owned, are they too your own words or your own
70 opinion in interpreting the provisions of the *EPCA* or of
71 *The Public Utilities Act* in determining what's a fair and
72 reasonable return, because I don't see those specific words
73 in either one of those provisions?

74 MS. McSHANE: Then I guess the answer is, generally
75 speaking, yes, that is how I would interpret those phrases
76 and I believe that those phrases are consistent with
77 regulating a Crown corporation on the basis of appropriate
78 economic principles, and I have applied the economic
79 principles to Hydro that relate to the opportunity cost that
80 it incurs on the assets that are devoted to the public
81 service.

82 MR. KENNEDY: Previously you had noted that, you know,
83 Government had specifically chosen a Crown corporation
84 as the vehicle through which it would provide the utility
85 service to its public as opposed to, I think you alluded to
86 of it being a division of Government, I think was ...

87 MS. McSHANE: Yes.

88 MR. KENNEDY: ... the phrasing that you used, and I guess
89 I took from that, and I'm wondering if you agree, that, you
90 know, that the Government specifically chose a Crown
91 corporation versus it being a Government department and
92 that that sends a certain signal about how it wishes this
93 enterprise to be treated.

94 MS. McSHANE: I think that's fair, that the establishment
95 of the corporate entity sends the message that this
96 operation is a commercial entity which supplies services at
97 cost where the costs are appropriately measured, and at the
98 same time indeed has a public service role and that role
99 typically for Crown corporations has been described as

1 providing universal service at affordable and universal
2 rates.

3 MR. KENNEDY: So would you agree then that the fact that
4 Government chose not to privatize its utility, that it chose
5 to use a Crown corporation instead of just allowing a
6 private enterprise, truly private enterprise, to run the
7 operation, was in itself also a signal?

8 MS. McSHANE: Oh, I think that's true. There are certain
9 signals that are provided by that choice and those are
10 primarily, I think, that there are resources that the
11 Government believes should not, should stay basically
12 under the control of the Government and that it may want
13 to assure that because of the demographics of the service
14 area that it is in a position to ensure that universal service
15 remains the norm.

16 MR. KENNEDY: And that if it had employed a vehicle that
17 was a completely private company, that it may lose its
18 ability to exercise certain social policy directions that it
19 might otherwise want to exercise. Is that fair? That might
20 be one of ...

21 MS. McSHANE: Can I ...

22 MR. KENNEDY: ... one of some consideration?

23 MS. McSHANE: It may have and I can only speculate on,
24 you know, whether that's a concern of governments who
25 have indeed looked at privatization and who've determined
26 that that's not the way they want to go. Having said that,
27 the Government, whether or not the utility is privately
28 owned or publicly owned, still has the ability through
29 legislation to use those utilities as instruments of social
30 policy. All you have to do is look at Alberta, for example.
31 I mean, the Alberta utilities didn't come to the Government
32 of Alberta and say restructure us, please. It was the
33 Government of Alberta who believed that it was in the best
34 interest of consumers to restructure the industry and thus
35 ordered it.

36 MR. KENNEDY: And that's always the case no matter what
37 the industry as well, that Government has, through its
38 legislative powers, the ability to restructure any industry ...

39 MS. McSHANE: Correct.

40 MR. KENNEDY: ... private or otherwise. So in the case of
41 the Utility, of the generation, transmission and distribution
42 of electricity in the province, is it fair to say then that what
43 we have is sort of a mid point or at least some point on a
44 continuum between a Government department operated
45 vehicle and a completely private company, that a Crown
46 corporation fits somewhere in between those two points?

47 MS. McSHANE: I think that's probably fair.

48 MR. KENNEDY: Okay. And so should, when the Board is

49 determining what's a fair and reasonable rate of return for
50 this Crown corporation, and also how it's to operate
51 financially, you know, internally, that it should take that
52 into account, that it can't be treated as if it was a
53 Government department in the same way that it can't be
54 treated as a purely private company, that it's its own unique
55 vehicle and that it's a Crown corporation?

56 MS. McSHANE: I think that there is something to be said
57 for recognizing that it's a Crown corporation because that's,
58 those are the facts, and I guess that what the Board has to
59 do is to determine whether or not, on subject matters at
60 hand, whether there is from an economic perspective
61 significant differences between the investor-owned utility
62 and the Crown corporation in terms of what constitutes a
63 just and reasonable return, and I think that if you generally
64 look at those Crown corporations who have been moved to
65 (phonetic) rate of return, rate base regulation over the past
66 five to seven years, that invariably the returns that have
67 been provided to those utilities have been consistent with
68 the returns that have been provided to investor-owned
69 utilities.

70 MR. KENNEDY: Would you agree with the statement that
71 a utility that seeks to be treated as if it was investor-owned
72 must also act as if it is investor-owned?

73 MS. McSHANE: It should, yes.

74 MR. KENNEDY: There's been a number of questions
75 regarding the declaration of a dividend by Hydro and the
76 dividends by Hydro, and perhaps if we can pull up **NP-72**,
77 Mr. O'Reilly, just so we can have it up on the screen, then
78 we can refer to that. The second page, I think. And this
79 has been an exhibit that's been, I believe, up before
80 yourself already and up before a number of witnesses
81 already, including Mr. Wells, and as has been indicated in
82 the evidence to date, the dividend for 2002 of \$70 million
83 odd is being booked in the test year, although not actually
84 paid out obviously, because it's the test year, and, but that
85 indications are from Government, I believe is how Mr.
86 Wells put it, that Government will in all likelihood draw this
87 down, and so that's the reason that it's being put in there as
88 a dividend that Hydro will issue in 2002, and as has also
89 been indicated in the evidence today, and as shown in **NP-**
90 **72**, sometimes the Government has taken less than what it's
91 due and sometimes it's taken more. Overall in the period of
92 '95 to 2002 it will take in excess of the 75 percent declared
93 policy, and you've gone through this with, in great detail
94 with Ms. Butler, I believe, and as well with Mr. Hutchings.
95 The question I had was ... let me just bring out just a couple
96 of more points. Mr. Wells in his testimony of September
97 the 26th indicated that, in response to a number of
98 questions concerning this, that ultimately it was
99 Government that decided the dividend and that overrode
100 everything else. That's September the 26th, line 79, page

1 39. And similarly the same date, page 40, line 14, Mr. Wells
2 indicated that this was the difference between a broadly-
3 held company and a company with one big shareholder, as
4 he referred to it. And I'm wondering if you could provide
5 the Board with some guidance about whether the fact that
6 a shareholder, the only shareholder, has the ability to call
7 upon the company and decide when it's going to get its
8 dividend and how much of a dividend it's going to get, has
9 inherent value to that shareholder. Is that worth something
10 to a shareholder?

11 MS. McSHANE: No, I ... I mean, I can't possibly deny that
12 that would be worth something to a shareholder, the ability
13 to come to the company and say give me the money, show
14 me the money. No, I'm sorry for being facetious, but ...

15 MR. KENNEDY: I don't have the ability to do that as a
16 shareholder of one of many of a broadly-held company to
17 phone up the president and say I want you to double my
18 dividend this year.

19 MS. McSHANE: No, not of a broadly-held company, but
20 Mr. Wells was correct that if you're a company like Trans
21 Alta Corporation for example, you can go to Trans Alta
22 Utilities and say show me the money, because they're the
23 sole shareholder, so it's really, you know, only in cases
24 where there are, where the corporation is broadly held that
25 that ability is limited.

26 MR. KENNEDY: Uh hum.

27 MS. McSHANE: You'd have to get all the shareholders
28 together and, you know, get them to agree that that's what
29 they wanted to do.

30 MR. KENNEDY: Which would be highly unusual.

31 MS. McSHANE: Which would be highly unusual, of
32 course.

33 MR. KENNEDY: And that in most normal circumstances
34 you take what you are given ...

35 MS. McSHANE: Right.

36 MR. KENNEDY: ... as a shareholder by way of a dividend.

37 MS. McSHANE: Sure.

38 MR. KENNEDY: If you're not happy with it, you sell your
39 stock.

40 MS. McSHANE: That's correct, or you bring, or you get
41 your, you know, shareholder friends together and you go
42 to the annual meeting and you tell the management that,
43 vote the management out and get somebody in that's going
44 to do what you want them to do.

45 MR. KENNEDY: Right. But certainly I can't override
46 everything else and direct the company to declare a
47 dividend of a stated amount.

48 MS. McSHANE: In a broadly-held corporation, no.

49 MR. KENNEDY: And you've agreed that my ability to do
50 that, if I in fact could do that, has inherent value over and
51 above the dividend itself.

52 MS. McSHANE: I'd say that's true.

53 MR. KENNEDY: And I'm wondering then how that is taken
54 into account, if you will, in determining what the rate of
55 return is to that shareholder. Has that been factored in in
56 any way?

57 MS. McSHANE: I don't see any way that you could
58 possibly quantify what that's worth and it seems to me that
59 if you look at jurisdictions where you have utilities which,
60 for example, Trans Alta Corporation, which are owned by,
61 I believe the utility is owned by a single shareholder versus
62 a, an Alta Gas Utilities which is, you know, is part of a
63 corporation which is more widely held, and there's no
64 distinction that's made as between those with a single
65 shareholder and those with broadly-held shareholder,
66 broadly-held shareholder base. You know, the returns to
67 those utilities reflect the basic business and financial risks.
68 There's just simply no way, to my knowledge, to determine,
69 you know, what kind of value you put on that ability.

70 MR. KENNEDY: So if it can't be quantified, we could
71 nonetheless on a qualitative basis, the Board could take
72 that into account when determining how it's going to
73 regulate Hydro and what financial parameters it will set for
74 Hydro.

75 MS. McSHANE: Well it certainly has the ability to do that,
76 you know, if it follows the precedents that have been
77 followed elsewhere. I mean, I don't see any basis for
78 treating Hydro any differently than other regulators treat
79 the Crown corporations they regulate vis-a-vis the
80 investor-owned, investor-owned utilities they regulate.

81 (3:30 p.m.)

82 MR. KENNEDY: I just wanted to turn to cost of capital for
83 a moment, and it's ... I guess we could start with **page 28 of**
84 **your pre-filed testimony**. And it's beginning at the
85 question at line 12, "Since Hydro is a Crown corporation
86 and its shareholder is the Province, and thus ultimately the
87 taxpayers of Newfoundland, why are these standards
88 relevant," and they're the standards on how to calculate a
89 rate of return on equity. And you indicate, "The equity
90 funds reinvested in Hydro by the Province have an
91 opportunity cost. The determination of a reasonable return
92 on equity should be independent of the happenstance of
93 the identity of the shareholder. The Province and the
94 taxpayers, the shareholder, should expect to earn a return
95 on the equity funds reinvested in Hydro equivalent to the
96 return they could have earned on an alternative investment
97 of comparable risk." And you've had some questions on

1 this already as well, Ms. McShane, and I believe you
2 indicated that one of the reasons why, I just wanted to
3 confirm this, but one of the rationales, if you will, of this
4 concept of providing compensation for the opportunity
5 costs is the fact that it sends the right pricing signals to the
6 Company. Is that correct?

7 MS. McSHANE: Sends the right pricing signals to the
8 customers.

9 MR. KENNEDY: Ultimately the ratepayer. The Company
10 is being ... the Company is incurring the correct pricing
11 signal, if you will.

12 MS. McSHANE: Yes.

13 MR. KENNEDY: And then presumably that pricing signal
14 gets passed down to the ratepayer in rates.

15 MS. McSHANE: Correct.

16 MR. KENNEDY: Okay. Now, is this a purely objective
17 investor that we're dealing with here again that, when you
18 say independent of the happenstance of the identity of the
19 shareholder, are you saying that we're treating this investor
20 and the calculation of the opportunity costs, regardless of
21 the fact that we know it's Government who's the
22 shareholder and sole shareholder and the one big
23 shareholder who can call down dividends whenever they
24 want?

25 MS. McSHANE: Yes.

26 MR. KENNEDY: And so is there any, in your opinion,
27 modicum of subjectivity involved in what is an appropriate
28 compensation for that opportunity cost peculiar to the
29 shareholder itself?

30 MS. McSHANE: The fact that you look at what the use of
31 funds is as opposed to the source of funds, source of
32 funds being the shareholder, then there is no judgement in
33 the sense that you're not making a distinction as between
34 who provides the investment but rather to what is the
35 investment provided, so ...

36 MR. KENNEDY: So ...

37 MS. McSHANE: Sorry, can I just ...

38 MR. KENNEDY: Go ahead, sorry.

39 MS. McSHANE: So, for example, if the Government
40 decided that it wanted to invest funds in Hibernia, for
41 example, then it would proceed on the appropriate basis in
42 terms of what return it expected to receive from that, that it
43 would expect to achieve a return that was commensurate
44 with the risk of investing in Hibernia and it would make a
45 distinction between that and the returns available from an
46 investment in Hydro, and if, you know, if those
47 investments and the opportunities aren't appropriately

48 priced, then the Government may well make a major error in
49 where it puts its money.

50 MR. KENNEDY: Like a cucumber farm, for instance.

51 MS. McSHANE: Well, I don't know anything about
52 cucumber farms but I'm gathering maybe they invested in
53 one. *(laughter)*

54 MR. KENNEDY: But your examples, always (phonetic)
55 find, speak to other investments or alternative investments
56 that Government could make which are still Government-
57 oriented investments. In other words, you don't speak to
58 the lost opportunity cost of being able to invest in Nortel
59 as opposed to Hydro.

60 MS. McSHANE: I thought Hibernia was far enough away
61 from Government to make it a non-Government ...

62 MR. KENNEDY: Oh, okay. So you ...

63 MS. McSHANE: ... operation, but I recognize that there
64 clearly is Government participation in these projects, but
65 the intention was to make a distinction between something
66 of relatively low risk and something of high risk. Yes, the
67 Government, if they had funds that were available for an
68 investment, they could certainly put them into a Nortel.

69 MR. KENNEDY: But governments never do that, right, so
70 ...

71 MS. McSHANE: Make indirect investments of that type?

72 MR. KENNEDY: Make perhaps indirectly but directly
73 governments don't invest in pure market plays, if you will,
74 as opposed to reinvesting in the province's own social
75 fabric. And I guess ...

76 MS. McSHANE: I guess not directly in that sense but they
77 certainly do make investments as, in the form of pension
78 funds.

79 MR. KENNEDY: Yes, so that's an indirect investment ...

80 MS. McSHANE: Right.

81 MR. KENNEDY: ... in some market force. But I as a
82 taxpayer of the Province of Newfoundland, I know my
83 government is going to invest in things that are peculiar to
84 my province, that governments would normally invest in.
85 In other words, if it didn't invest in Hydro, it would invest
86 it in the Liquor Board or it would invest it in the
87 Newfoundland and Labrador Housing Corporation or it
88 would invest it in ACOA or it would invest it in all those
89 normal government operations and departments. That's
90 where my money would go. I wouldn't, as a taxpayer
91 investor, expect for Government to buy Nortel stock with
92 my tax money, would I?

93 MS. McSHANE: Probably not, no. You probably would
94 not expect them to do that.

1 MR. KENNEDY: So, but from your professional opinion,
2 the opportunity costs that I'm allowed to earn on my
3 investment in Hydro is based on as if Government, if it
4 didn't invest it in Hydro, it may just as well invest it in some
5 pure market play like a Nortel Networks or what have you.

6 MS. McSHANE: Or something of equivalent risk, yes, not
7 a Nortel Networks as we all know but, you know, an
8 investment of similar risk.

9 MR. KENNEDY: I wanted to just go with you, through
10 with you, Ms. McShane, some examples that I guess I've
11 been gathering up, if you will, of where Government, or,
12 sorry, where Hydro has implemented Government policy,
13 and then I wanted to bring you back to your comment
14 about how the Board should take this into account in
15 determining what, how to regulate Hydro, and just to see,
16 for instance, if you're aware of some of these and get you
17 to comment on them and ask you whether you think that
18 they're unusual in some way. The first I think you'll
19 probably agree is unusual is that is it fair to say that an
20 example of Hydro implementing more social-oriented policy
21 as opposed to operating like a pure commercial entity
22 would be the fact that it's only looking for a rate of return
23 based on a three percent rate of return on equity as
24 opposed to what your, in your professional opinion the
25 market would otherwise allow?

26 MS. McSHANE: I agree that it is unlikely that an investor-
27 owned utility would go before its regulator and ask to, only
28 to earn a three percent rate of return. Now some of them
29 may only earn a three percent rate of return for a couple of
30 years, but I think that there has to be a balance between
31 recognizing that, fully recognizing that there is an
32 opportunity cost of capital and getting to the point where
33 you can earn your opportunity cost of capital. The fact is
34 that in the past that opportunity cost of capital existed, it
35 simply wasn't recognized, and in a very real sense then the
36 costs of providing service have been understated to the
37 extent that the opportunity cost of capital wasn't fully
38 recognized, but, you know, to come to the Board and say,
39 well, oil prices have gone way up and we need to earn an 11
40 1/4 percent return on equity and that means, and I'm just
41 going to throw a number out because I don't know what the
42 rate increase would be, that would mean that we would
43 need to implement this year a rate increase of 40 percent to
44 take all this into account. Maybe an investor-owned utility
45 would do that, but there does have to be a balance between
46 the ratepayer and the investor interests and as long as, I
47 think, that the Board recognizes that in principle there is an
48 opportunity cost that is associated with the equity and
49 determines that for the future the returns will be set in
50 conjunction with those principles and lets the market know
51 that the return that Hydro is looking for in this rate case is,
52 you know, a transitional fact, factor, that Hydro is moving

53 towards acting and behaving as a commercial entity.

54 MR. KENNEDY: Okay. So based on that then, is moving,
55 that they're not there yet.

56 MS. McSHANE: Not if they're only seeking to earn three
57 percent, they can't be there yet, but they are on their way.

58 MR. KENNEDY: Well, is that a case of that chicken and
59 the egg, is it that they recognize themselves that they're not
60 there yet, or is it the case that, and therefore are only
61 asking for three percent as opposed to vice versa?
62 Anyways, that's a ...

63 MS. McSHANE: No.

64 MR. KENNEDY: That's a hypothetical question that ...

65 MS. McSHANE: Is it a rhetorical question?

66 MR. KENNEDY: A rhetorical question as well.

67 MS. McSHANE: Rhetorical question.

68 MR. KENNEDY: Yeah.

69 MS. McSHANE: Okay.

70 MR. KENNEDY: The rural subsidy, which has been
71 brought to your attention already, which annually amounts
72 to something in the vicinity of \$30 million, would you agree
73 with me that that's a departure from what you would
74 consider to be the normal cost of service rules, and I know
75 you're not a cost of service expert but a cost of capital, but
76 that the cross-subsidization within the ratepayer classes in
77 that amount is, is a departure away from the normal pricing
78 signals?

79 MS. McSHANE: Within the ratepayer class? I haven't
80 studied in any detail the extent to which there are subsidies
81 within ratepayer classes. I did look at a response to a data
82 request, which number I still don't remember ...

83 MS. GREENE, Q.C.: **NP-185.**

84 MS. McSHANE: ... which was basically the summary of a
85 survey that was undertaken by Manitoba Hydro where
86 they went out and they looked at what the number of
87 customers were on various systems who were not
88 connected to the grid. They were remote customers served
89 by diesel facilities and they also provided the operating
90 deficit for each of those companies. And, you know, one
91 way you can look at this, I think, is to look at what the per
92 capita deficit is and in that regard what you're seeing is that
93 Newfoundland and Labrador Hydro is sort of in the middle
94 of the pack if you made those calculations. I don't think
95 that necessarily that this particular exhibit covers all of the
96 subsidies that exist because some of them are simply never
97 calculated to the extent that you have a system that covers
98 a large area, everybody is connected to the grid, clearly
99 some customers are cheaper to serve than others, but you

1 take all the costs that are associated with residential
2 customers, you divide them by the number of customers
3 and everybody pays the same rate. Some of those
4 customers are obviously being subsidized.

5 MR. KENNEDY: For instance, related to that, there's been
6 some evidence about the fact that some plant has been
7 built in some remote communities in Labrador and that, I'd
8 suggest to you, that the payback on that investment made
9 by Hydro may never be realized in any realistic timeframe
10 and that that would be an example of Hydro investing in
11 these remote areas in an attempt to spur economic
12 development in those areas. And you'd agree with me,
13 would you, that that's an example of Hydro being used to
14 implement social policy and operating other than what a
15 pure commercial entity might do.

16 MS. McSHANE: Because it's offering what you might refer
17 to as economic development rates or something that would
18 be analogous to that? It's building something that it hopes
19 ... it's charging and charging customers rates in hopes that
20 economic development will ... I mean, the extent of that may
21 be different. I'm not specifically familiar with the
22 circumstances that you're describing, but clearly investor-
23 owned utilities have economic development rates where
24 they do at times set rates below fully-embedded costs in
25 order to spur economic development.

26 MR. KENNEDY: And why would they do that? That's to
27 reap the benefits in the long run from that economic
28 development that they spur?

29 MS. McSHANE: Absolutely.

30 MR. KENNEDY: And so from that perspective you
31 wouldn't see Hydro as being any different from an investor-
32 owned utility?

33 MS. McSHANE: It may be to a matter of degree but I
34 would say that, generally speaking, that companies do, you
35 know, often set rates at levels below, as I said, for
36 embedded costs to spur economic growth and to try to
37 provide the basis for further load in the future.

38 *(3:45 p.m.)*

39 MR. KENNEDY: In 1998 Hydro was asked by Government
40 to break off from discussions that it was having with the
41 non-utility generators and that there was a breakup fee paid
42 by Hydro of some \$1.3 million. I'm wondering if you are
43 familiar with that issue? Probably not.

44 MS. McSHANE: No.

45 MR. KENNEDY: And I'm wondering, putting that forward,
46 I guess, as another example of where Government has had
47 direct involvement in the operations of Hydro that were
48 cost sensitive, and again I ask you whether that's
49 inconsistent with how a pure commercial entity might

50 operate?

51 MS. McSHANE: I don't know enough about the
52 circumstances to comment specifically on that because I
53 don't know what the issue was.

54 MR. KENNEDY: So in your examination of Hydro and
55 determination of what a reasonable return was for its
56 opportunity costs, how did you take into account all the
57 different ways that the Government of Newfoundland and
58 Labrador exercises its social policy through Hydro?

59 MS. McSHANE: I don't think that as government that
60 there's necessarily anything that the province has done
61 which should distinguish it to such an extent from an
62 investor-owned utility as to impact on its required cost of
63 equity, so, I mean, I haven't made any adjustments to what
64 I view as an appropriate return on equity for factors related
65 to social policy.

66 MR. KENNEDY: So that's the conclusion that you've
67 reached. I'm wondering what process you went through, if
68 any, to, in order to reach that conclusion.

69 MS. McSHANE: Process that I go through ...

70 MR. KENNEDY: Your conclusion is that they haven't done
71 anything that would warrant you departing from the norm,
72 if you will.

73 MS. McSHANE: Right.

74 MR. KENNEDY: I guess I'm asking you what process you
75 employed to be able to convince yourself of that fact.

76 MS. McSHANE: Simply gathering information in terms of
77 how the Company operates, how its rates are set, who its
78 customers are, how the social policy is indeed implemented,
79 but, I mean, not a formal analysis but rather sort of a
80 question and answer type of approach to management of
81 Hydro.

82 MR. KENNEDY: So just to sort of sum up that aspect of it
83 then, I just want to confirm your opinion, if you will. Am I
84 gathering correctly that, and maybe instead of me putting
85 words in your mouth you could provide me with your
86 opinion about either on the quantitative or qualitative scale
87 what impact has Government's involvement in Hydro had
88 on your determination of what is a fair return for its
89 opportunity costs?

90 MS. McSHANE: I guess the bottom line is that I attempted
91 to assure myself through an analysis of the relationships
92 between Hydro management and the Government that the
93 overall returns that would be available to the province
94 would be no more than those that would be available to an
95 investor-owned utility.

96 MR. KENNEDY: Chair, that's an appropriate place to break.
97 It'll also give me an opportunity to review my notes and

1 just see if I have anything else that I need to ask tomorrow
2 morning, but there may not be anything. I just want to
3 make sure.

4 MR. NOSEWORTHY, CHAIRMAN: So you're close to
5 cluing up, Mr. Kennedy, finishing?

6 MR. KENNEDY: Close to finishing, I am, Chair, thank you.

7 MR. NOSEWORTHY, CHAIRMAN: Ms. Greene, do you
8 have any idea how long you might be on your redirect?

9 MS. GREENE, Q.C.: Not very long. It will be a matter of
10 minutes as opposed to anything longer.

11 MR. NOSEWORTHY, CHAIRMAN: I think the Board's
12 questions are going to be few, so conceivably we could
13 finish with Ms. McShane tomorrow, I would think.

14 MS. GREENE, Q.C.: My second cost of capital witness, Mr.
15 Hall, is here and will be ready to start his examination as
16 soon as we're finished with Ms. McShane.

17 MR. NOSEWORTHY, CHAIRMAN: Okay. Thank you
18 very much. We'll reconvene at 9:30 tomorrow morning.

19 *(hearing adjourned to October 31, 2001)*

20