

NOVA SCOTIA UTILITY AND REVIEW BOARD

IN THE MATTER OF: THE PUBLIC UTILITIES ACT

- and -

IN THE MATTER OF: AN APPLICATION by Efficiency Nova Scotia Corporation, for Approval of its Electricity Demand Side Management Plan for 2013.

**To: Efficiency Scotia Corporation
c/o Sean Foreman
Wickwire Holm
2100-1801 Hollis Street
P. O. Box 1054
Halifax, NS B3J 2X6**

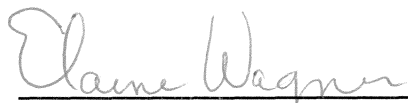
**From: Multeese Consulting Inc.
Board Staff Consultant**

Responses Due: Wednesday, May 9, 2012

**Copies: 1 electronic copy – pdf searchable
10 hard copies**

**Contact person: Mel Whalen, P. Eng.
President
Multeese Consulting Inc.
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Issued at Halifax, Nova Scotia, this 27th day of April, 2012


Elaine Wagner, Clerk of the Board

1 **Request IR-12**

2
3 With respect to ENSC's revised response to Multeese IR-5(a) and 5(b) dated April
4 18, 2012, the inclusion of NTG in the calculation of the TRC appears to be a revision
5 of the calculation of TRC in 2011 and 2012.

6
7 For 2011, the TRC formula was provided by NSPI on March 30, 2010 in response to
8 Multeese IR-5(d) as:

9
10
$$\text{TRC} = [\text{PV}(\text{avoided energy cost over the measure life} \times \text{first year energy savings}) +$$

11
$$\text{PV}(\text{avoided demand costs over the measure life} \times \text{coincident peak demand}$$

12
$$\text{savings})] / (\text{One-Time Incremental Measure Cost} + \text{Program Administration Cost})$$

13
14 This formula was applied to the CFL: Screw-in, ≤15w, Direct Install. The energy
15 savings assumed were 38.5 Kwh, the demand savings were 4W, the incremental
16 measure cost was \$2.80 and the Program Administration Cost was \$3.50. The TRC
17 was calculated as:

18
19
$$\text{TRC} = [(\$0.59/\text{Kwh} \times 38.5\text{Kwh}) + (\$0/\text{KW} \times 4\text{W})] / (2.80 + 3.50) = 3.6$$

20
21 For 2012, in response to Multeese IR-5(b) dated March 29, 2011, ENSC confirmed
22 that the avoided costs were being applied in the same manner as in 2011.

- 23
24 a) Please reconcile the method being used to calculate the TRC in 2013 with the
25 method used in 2011 and 2012.
26 b) If the method in 2013 is a revision of the 2011 and 2012 method, please explain
27 why it is being altered.

28
29 **Request IR-13**

30 With respect to the Navigant report "Energy Efficiency Resource Assessment Model
31 (RAM Tool) Update prepared for ENSC dated April 13, 2012,

- 32 a) Please provide a copy of the clarification memo referred to in Footnote 1.
33 b) In the paragraph immediately preceding Table 1 on page 2, it is noted that the
34 RAM Tool incorporates a resource optimization model to place greater relative

1 emphasis within a program on those measures with higher TRC benefit/cost
2 ratios. Please describe the algorithm used in this module.
3 c) Please apply the algorithm in b) to the Existing Residential program to illustrate
4 how it affects the mix of measures which make up this program.

5

6 **Request IR-14**

7 With respect to Figure 4.2 as filed on April 18, the energy savings for each program
8 are the same as the initial filing on February 27 and the March 30 revision. However,
9 for Existing Residential, New Residential and BNI Efficient Products, the cost of
10 achieving those savings has increased by \$1.3 million, \$1.4 million and 0.9 million
11 respectively. Please explain why these costs have increased.

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