NOVA SCOTIA UTILITY AND REVIEW BOARD

IN THE MATTER OF: The ***Public Utilities Act***, R.S.N.S. 1989, c.380 as amended

IN THE MATTER OF: An Application by Efficiency Nova Scotia Corporation ("ENSC"). for Approval of its Electricity Demand Side Management Plan for 2013

SUPPLEMENTARY INFORMATION REQUESTS

To: Efficiency Nova Scotia Corporation
c/o Sean Foreman
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1801 Hollis Street, Suite 2100
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Halifax, NS B3J 2X6

From: The Avon Group

Responses Due: May 5, 2012

Contact People: Nancy G. Rubin / Maggie A. Stewart
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Issued at Halifax, Nova Scotia, this 27th day of April, 2012.

Request IR-28

Reference: Exhibit E-7(C)(R) ENSC (Avon) IR-11a Confidential Attachment 1 ENSC-EERAM, Tab “new AVCOS”, Columns E and F.

Please provide the analysis and assumptions used to estimate the avoided energy cost and avoided capacity cost.

Request IR-29

Reference: ENSC Ex E-7(C)(r) Avon-IR-11-a-EERAM Corrected April 11, 2012. When the avoided cost in the EERAM model is set to 50% of the NSPI provided avoided cost (by setting set cell D8 on tab "new AVCOS" to 50%) the vertical bar chart "C&I Incremental Market Energy Potential (MWh)" on tabs "Scenario Switches" and "Summary Report-C&I" shows zero MWh for 2014 and 2015 as well as 2023 and beyond.

(a) Is this model behaviour as expected? If so, please explain why the market energy potential is going to zero for years 2014 and 2015 but not the following years, and only for C&I and not residential.

(b) If this model behaviour is expected, what other aspects of the model are impacted if C&I market energy potential is zero?

Request IR-30

Reference: Exhibit E-7(C)(R) – Attachment 1, Tab “Avoided Cost”

Why are the avoided cost values zero (Columns C through O), except for the "Other "category (columns Q and R)?

Request IR-31

Reference: ENSC (Synapse) IR-14a, Confidential Attachment 1 – 2012 Annual Avoided Costs of DSM.

(a) The attachment shows total avoided costs With DSM and No DSM. Please separate the totals between capacity costs and energy costs and separate each of capacity and energy costs between operating costs and capital costs.

(b) Provide the generation output by unit and the fuel and non-fuel operating cost for each unit for each year in the With DSM and No DSM cases.

Request IR-32

Reference: ENSC (Synapse) IR-14b Confidential Attachment 2

Show how the avoided unit capacity costs and avoided unit energy costs were calculated.

Request IR-33

Reference: ENSC (Synapse) IR-14 Confidential Attachment 3

Please provide a listing of all components of firm capacity (by unit) for each year.

Request IR-34

Reference: ENSC (Avon) IR-13 and ENSC (Synapse) IR-14 Confidential Attachment 3

(a) The response to Avon IR-13 shows the planning reserve through 2017. Please update this to show planning reserve through 2032.

(b) If the planning reserve margins increase after 2017, explain why.

(c) Please explain why the actual reserve margins are higher than the planning reserve margins.

(d) Does NSPI have any plans to bring the actual reserve margins closer to the planning values? Please explain the answer.

Request IR-35

Reference: ENSC (Avon) IR-14b,

(a) Please explain the allocation described as “general”.

(b) Once allocated 50/50 between residential and BNI, how or on what basis does ENSC further assign these costs to the individual customer classes which make up the BNI group?

Request IR-36

Reference: ENSC (Avon) IR-14(d), lines 13-15

Please describe qualitatively and quantitatively by what objective measure as expenditures occur, “ENSC will ‘consider’ the affected rate classes and directly assign costs”?

Request IR-37

Reference: ENSC (Multeese) IR-6c, Attachment 2, resource plans – 2012 avoided costs of DSM.

Do the resource plans include the outstanding proposed procurement of renewable energy by the REA for which approval of the PPA is being sought? Please explain in what year?

Request IR-38

Reference: ENSC (Multeese) IR-6c Attachment 2

(a) Please reconcile the capacity additions to the total capacity figures on Synapse IR-14 Confidential Attachment 3.

(b) What are NSPI’s or the REA’s plans for solicitations of new capacity? Please show wind, solar, hydro and other separately.

(c) How much renewables capacity does NSPI require to meet the Renewables Energy Standard in each of the next 10 years?

(d) Wind projects are shown in terms of nameplate capacity. What is the firm capacity of each?

(e)

(i) Explain the “back-up adder cost” of $10/MWh.

(ii) How and when was this determined and why is it shown in US$?

(iii) Is NSPI updating the back-up adder cost? Please explain the answer.

(f) Please show the transmission cost for each project (capital and operating costs separately).

(g) Provide calculations of the annual costs of return, taxes and depreciation.