

**Kai Millyard Associates**  
**72 Regal Road, Toronto, Ontario, M6H 2K1, 416-651-7141**  
**Fax: 416-651-4659**

June 1, 2015

Ms Kirsten Walli  
Board Secretary  
Ontario Energy Board  
27th floor  
2300 Yonge Street  
PO Box 2319  
Toronto, ON  
M4P 1E4

RE: EB-2015-0049 INTERROGATORIES

Dear Ms Walli,

I enclose 2 copies of interrogatories by GEC to Enbridge on its 2015-2020 DSM Plan evidence. These have also been sent to the utility, uploaded on the RESS, and PDF versions are being emailed to you.

Sincerely,

(Mr.) Kai Millyard  
Case Manager for the  
Green Energy Coalition

encl.

Cc: Andrew Mandyam  
Intervenors

## GEC Interrogatories on Enbridge 2015-2020 DSM Plan

34. B/T1/S1 Enbridge states that its DSM programs since 1995 have helped customers save 8.8 billion m3 of natural gas.
- a) Is the 8.8 billion cubic meters of gas savings the sum of the incremental annual savings from the 1995 through 2013 programs, the annual persisting savings in 2015 from programs run since 1995, the sum of the lifetime savings from each year's worth of programs from 1995 through 2013, or something else? If something else, please explain.
  - b) Please provide the annual (first-year) and cumulative gas savings for each year from 1995 to 2014.
  - c) Please provide the TRC net benefits associated with each year's savings, indicating what avoided costs were used to calculate those TRC results.
  - d) Please provide, in original electronic form with formulas intact, the computations used to arrive at both the net benefits and gas savings totals cited.
  - e) Please provide Enbridge's annual in-franchise total throughput volumes for each of the corresponding years.
35. B/T1/S2 Enbridge's 2020 goal would reduce carbon emissions by 12 million tonnes.
- a) Please restate Table 1 to provide annual savings in each of the Plan years and the corresponding carbon emission reductions.
  - b) Please provide Enbridge's forecasts of the total in-franchise throughput volumes in each of the years of the 2015-2020 DSM Plan.
36. B/T1/S1 p1 and B/T2/S2 p.2

Enbridge indicates it is proud of past DSM efforts and intends to play an integral role in the Province's efforts to combat climate change. It also indicates that planned gas savings will be of great assistance to the province meeting its GHG reduction goals.

- a) Does EGD have a policy or plan or program to manage its GHG emissions or those of its customers? If not, why not? If so please provide a copy and copies of any annual or progress reports.
- b) Did Enbridge submit comments on Ontario's recent Climate Change Discussion Paper? If so please provide a copy.

37. B/T2/S1 p36 Home Energy Conservation.

Enbridge compares the former EcoEnergy incentives as 'reached' almost \$10,000 vs Enbridge's maximum incentive of \$2000.

Please provide the *average* incentives paid in the EcoEnergy program and the *average* incentives paid in the Enbridge program in 2013 and 2014.

38. B/T1/S3 & B/T2/S3 2015 Plan

Please provide a program by program and measure by measure buildup (including annual savings, measure life, net to gross assumptions, participation level by program and measure, TRC benefits, costs and net benefits), in Excel spreadsheet form (with formulae intact), showing how the budget and CCM savings are calculated.

39. C/T1/S1 Conservation Potential Study

Please provide the spreadsheet Appendix C with Measure costs and savings inputs to the study.

40. C/T1/S1 Conservation Potential Study

- a) Please provide the detailed study outputs spreadsheet circulated January 15<sup>th</sup> to intervenors, and referred to at C/T1/S2, p.36.

GEC wants to understand better the OUTPUTS spreadsheet. Please confirm that the example below properly describes the model output.

On Base Case row 38 (Commercial ERV/HRVs in discretionary retrofit) column AX shows 2.9 million m<sup>3</sup> as the Technical Potential in 2015 - that is if all of the ERVs/HRVs in the market were replaced in 2015 with an efficient unit. Column BH with the same number shows all of these savings pass TRC and are economic. Column CB shows 94,430 m<sup>3</sup> of "annual incremental achievable potential". Similar numbers follow for the next 9 years. Does this mean the model is assuming that roughly 3% of the economic potential is achievable in each year?

- b) Is that reading the model output correctly? If not, please explain.

Column B indicates the study treated Commercial ERVs/HRVs as a discretionary retrofit measure and assumes a 15 year measure life. If they turn over in 15 years this suggests almost 7% of the units in the market are being replaced each year.

- c) Why was this opportunity not evaluated as a "replace on burnout" program opportunity?  
d) Does Enbridge now promote Commercial HRV/ERV replacements as a discretionary retrofit (early retirement) or as a replacement at end of life?

41. C/T1/S1 Conservation Potential

Apart from the Conservation Potential Study, please provide copies of all research efforts, whether completed in-house or externally, characterizing DSM measure savings or other screening inputs or DSM market information such as market size and share.

42. B/T1/S5 Sensitivity scenarios

- a) For each of the 9 scalable programs in each of the sensitivity scenarios what changes to incentive levels were assumed to be necessary to drive different savings levels?  
b) What is the basis for the change in targets for each program in each sensitivity scenario?  
c) If Enbridge relied upon studies, experience in other jurisdictions or any other documentation as the basis for increased savings, please describe how each was incorporated and provide copies.