

Andrew Weatherbee  
Senior Solicitor

**Via EMAIL:** [nicole.godbout@nspower.ca](mailto:nicole.godbout@nspower.ca)

July 8, 2014

Nicole Godbout, Regulatory Counsel  
**Nova Scotia Power Incorporated**  
1223 Lower Water Street,  
Halifax, NS B3J 3S8

Dear Ms. Godbout:

***RE: M05522 - 2014 IRP - Stakeholder Comments on IRP Focus and Resource Allocation***

After reviewing the reference files provided by NSPI during the “IRP Conference – Progress Update”, the Department of Energy (“the Department”) offers the following comments:

- The following market scenarios and technologies are suggested for consideration in relation to the IRP world’s analyses:
  - Future opportunities for imports and exports (i.e. a regional approach to energy markets). Additional hydro resources from either Quebec or Newfoundland,
  - Biomass co-firing (e.g. agricultural biomass),
  - Tidal power,
  - Grid optimization/Smart grid/Demand response development;
- The International Energy Agency (IEA) Technology Roadmap report, suggests smart grid deployment, could reduce peak demand increases by 13%-24% over the period spanning from 2010 to 2050. This reference may provide some directional information that is useful for parties to consider.

Refer to: <http://www.iea.org/publications/freepublications/publication/name,3972,en.html>.

- For the tidal scenario, it should be similar to that modeled for the Atlantic Energy Gateway - 300 MW at prices competitive to other low impact renewables.

- In terms of sensitivities, we would suggest that a range of  $\pm 15\%$ -20% should be modelled for load, imported electricity pricing, import economy energy availability and coal and natural gas prices.

Respectfully,

Andrew Weatherbee

AW/vm