

## LONGER TERM INVESTMENTS

1. Although Enbridge's Compliance Plan is for 2017 only, the Company recognizes that there is a longer-term context within which it exists. Seeking to project out beyond the one-year Compliance Plan into the five to 10-year timeframe is an important aspect of developing the Company's market understanding and a critical step in its preparation for subsequent Compliance Plan submissions. The information detailed below includes examples of the type of long-term compliance and investment options that Enbridge may consider in subsequent years. The Company acknowledges that this information is being presented for contextual purposes, and notes that Enbridge is not looking for approval from the Board with respect to these options at this time.
2. Enbridge will divide its longer-term investments into two segments: customer-related investments and Company facility-related investments.
3. Inherently, any longer-term investment that Enbridge undertakes will aim to either reduce the absolute natural gas throughput or natural gas usage intensity. Enbridge adds numerous natural gas customers to its distribution network annually. Natural gas intensity is a metric that will enable Enbridge to identify usage per customer as opposed to total throughput. Said another way, Enbridge's total throughput may increase annually due to new customer additions. Customer-related abatement investments would therefore, aim to reduce customer natural gas intensity (or natural gas usage per customer).
4. A full discussion of risks, with a focus on shorter-term risks, is included in Exhibit C, Tab 4, Schedule 1.

Witness:     A. Langstaff  
               J. Murphy  
               F. Oliver-Glasford

5. Enbridge recognizes the need and its role in reducing Greenhouse Gas (“GHG”) emissions. The company is interested in delivering long-term strategies and energy solutions that foster the development of a low-carbon economy. These areas of interest include:

- a. Publicly tracking and reporting on efforts to reduce direct and indirect GHG emissions;
- b. Delivering residential, commercial and industrial Demand Side Management (“DSM”) programs, fuel switching options, low-carbon technology support and renewable energy integration for our natural gas customers to help them use energy more wisely, reducing their energy, carbon-related costs and individual carbon footprint;
- c. Investigating, in the context of the ongoing Integrated Resource Planning (“IRP”) study, the broad-based DSM impacts and planning forecasts on infrastructure investment, the potential direct impact of DSM on subdivision planning, and the potential direct impact through targeted DSM to defer reinforcement projects;
- d. Building a portfolio of investments in renewable energy projects;
- e. Investing in the development and construction of decarbonization technologies, such as Power-to-Gas; and
- f. Working with governments, businesses, environmental organizations and communities on new solutions to address climate challenges.

Witness: A. Langstaff  
J. Murphy  
F. Oliver-Glasford

6. Long-term compliance options may include:

Compliance Option	Description	OEB MACC
Renewable Natural Gas	The injection of pipeline grade biogas – created as a bi-product of agricultural activity, wastewater treatment sites, and refuse disposal sites – into the natural gas pipeline for use by all customers.	N/A
Demand Side Management (DSM) and Low-carbon technologies	The delivery of energy efficiency programming after the completion of the Board approved 2016 – 2020 DSM Plan. This may include initiatives in all market sectors representing energy efficiency retrofits for homes and businesses, control systems and behavioural programming, high efficiency/low carbon technology upgrades, and industrial process efficiency programs. Incorporating the effects of DSM, and potential other factors that may result in a reduction in natural gas throughput, and on future infrastructure planning efforts.	N/A
Fuel Switching	Fuel switching non-customers currently on propane and heating oil to either natural gas or electricity-based options; or switching current customers onto net negative emission solutions that may include geothermal, air source heat pumps, other renewables such as solar and wind, and district energy.	N/A
Fugitive/Venting Emission Reductions	Enbridge is reviewing opportunities to reduce fugitive and venting emissions, which may include asset replacement or upgrade projects, improved asset or work management practices and implementation of new technologies.	N/A
Other	Enbridge is constantly looking for and is open to ideas on other long-term emission reduction opportunities.	N/A

7. Enbridge has begun the process of considering long-term strategies to reduce facility-related and customer-related GHG emissions, as laid out in Exhibit C, Tab 3, Schedule 4, Exhibit C, Tab 3, Schedule 5, and Exhibit C, Tab 6, Schedule 1. It is the Company's expectation that any plans for longer-term investments will be

Witness: A. Langstaff  
 J. Murphy  
 F. Oliver-Glasford

presented to the Board for consideration as part of future rate applications or project-specific leave to construct applications.

Witness: A. Langstaff  
J. Murphy  
F. Oliver-Glasford