

ENBRIDGE GAS INC.  
Answer to Interrogatory from  
Board Staff (STAFF)

Reference: AMP – Exhibit C1/Tab 2/Schedule 1/Pg.158

Question:

Fibre optic monitoring is a key initiative for installation along new construction pipelines. Fibre optic sensing systems operate and serve up information in real time. Incident response capacity and quality is superior to the current practice. Enbridge Gas Distribution has indicated that fibre optic monitoring will allow it to detect and quickly respond to unauthorized third party activity or intrusions. Enbridge Gas Distribution will also have the ability to pinpoint leak locations, improving public safety and reliability.

- a) What is the total spend on fibre optic monitoring to-date?
- b) What percentage of the pipelines are currently being monitored using fibre optic monitoring?
- c) What percentage of the total pipeline does Enbridge Gas Distribution target for installation of fibre optic monitoring?
- d) Does the Union Gas rate zone also use fibre optic monitoring on key pipelines?

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**Response**

- a) The total spend on fibre optic monitoring to-date is \$0.9 million.
- b) The percentage of the pipelines that are currently being monitored using fibre optic monitoring is less than one percent.
- c) The percentage of total pipeline targeted in the EGD rate zone for installation of fibre optic monitoring is less than ten percent. Installation of fibre optic monitoring is intended for use on key pipelines operating at 20% – 30% Specified Maximum Yield Stress (SMYS), and greater than 30% SMYS.
- d) The Union Gas rate zone does not use fibre optic monitoring on key pipelines.