

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

Reference: AMP – Exhibit C1/Tab 2/Schedule 1/Pgs. 146-154

Question:

The evidence notes that the most vulnerable risers in the system are copper (AMP) risers which make up approximately 14% of the overall population (approximately 285,000 units), and are subjected to an erosion corrosion method of internal degradation, resulting in either pinholes or cracks. The condition of copper risers is expected to significantly degrade over time with the expected yearly increase in the number of leaks over the next ten years. The current proactive replacement program replaces 4,000 copper risers per year.

- a) What would be the total cost of replacing all copper risers within the next two decades?
- b) Has Enbridge Gas Distribution estimated the volume of natural gas lost as a result of leaks or cracks in copper risers? Please provide a detailed response.

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**Response**

- a) Using the estimated average unit cost from the program, excluding future inflation and other potential cost changes, the high-level estimate to replace all copper risers within the next two decades is approximately \$337 million.
- b) Natural gas loss is estimated at the distribution system level and not specifically reported on copper riser leaks.