

ENBRIDGE GAS DISTRIBUTION INC. RESPONSE TO
GEC INTERROGATORY #42

INTERROGATORY

Enbridge, Issue A.1.Economic Analysis, Ref: Exh. E, T1, S1, p. 3, ¶10.

- a) Please provide copies of all workpapers, including electronic spreadsheets with cell formulas intact, relied on to derive the capital-cost estimate of \$396.8 million for incremental customer services.
- b) Please provide copies of all workpapers, including electronic spreadsheets with cell formulas intact, relied on to derive the cost estimates for future reinforcement projects.

RESPONSE

- a) Per the update provided at Exhibit E, Tab 1, Schedule 1 the estimated total capital cost for services is \$379.5 million.

A copy of the electronic spreadsheet with the relevant data can be found in the Attachment to this exhibit. The electronic file will be sent via email.

The Company is unable to provide the requested information with cell formulas intact. The information is derived from numerous supporting schedules. Obtaining accurate results requires familiarity with the underlying data. Please detail the specific areas of interest and if relevant, Enbridge will provide further response.

- b) There are several projects identified in the GTA Project influence area. These projects are all identified in the Asset Plan. A brief summary is:
 - i. 2017 installation of approximately 3.5 km of NPS 16 HP from Bayview Avenue station to the existing NPS 24 near the intersection of Avenue Road & MacPherson Ave. This reinforcement will enhance system flexibility during planned and emergency activities. The estimated cost associated with this reinforcement is \$21M.
 - ii. 2018 installation of approximately 4.2 km of NPS 12 HP on Bathurst St. from Steeles Avenue to Sheppard Avenue and 3.5 km of NPS 12 HP on

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Sheppard Avenue to Bayview Avenue and a new Station. This reinforcement will improve pressures in the local area and provide sufficient capacity for future customer growth in this area. The estimated cost associated with this reinforcement is approximately \$10M.

- iii. 2018 installation of approximately 4.0 km of NPS 12 HP from Roselawn Avenue and Oriole Parkway to Avenue Road & Roxborough Street. This reinforcement will improve pressures in the local area and provide sufficient capacity for future customer growth in this area. The estimated cost associated with this reinforcement is \$6.4M.
- iv. 2019 installation of approximately 4.5 km of NPS 12 HP on Spadina Road from MacPherson Avenue to Lakeshore Boulevard. This reinforcement will improve pressures in the local area and provide sufficient capacity for future customer growth in this area and will enhance system flexibility during planned and emergency activities. The estimated cost associated with this reinforcement is approximately \$8M.
- v. 2019 installation of approximately 2.5 km of NPS 16 HP from Victoria Park on Dawes to Woodbine & Strathmore. This reinforcement will provide a Single Source HP System with a back feed. This will increase security of supply in the south Scarborough area and provides an alternate supply path for customers to the east of the Don River. The estimated cost of this reinforcement is \$5M.
- vi. 2020 installation of approximately 250m on NPS 6 XHP pipeline on Mississauga road in Brampton. This reinforcement will improve pressures in the local area and provide sufficient capacity for future customer growth in this area. The estimated cost associated with this reinforcement is approximately \$0.3M.

This is a high level of summary of the projects with the estimated cost. The cost estimates are unclassified and were derived based on previously installed pipelines. Where possible, various reinforcement project costs were utilized which had similar material, pipe size and location characteristics to the proposed segments. From this comparison, an estimate of average cost per length was created and applied to the asset plan segments based upon similarities. As noted

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in Exhibit E, Tab 1, Schedule 1, page. 3, paragraph 10, footnote 3, Enbridge is not asking for approval of these projects in this application. These capital amounts have only been included in the feasibility analysis for completeness.

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