REF: Exhibit A, Tab 2, Schedule 1, Attachment 1, pg. 1 and Exhibit B

Preamble: We would like to understand the evolution of this project from the original to the amended application, the changes to system design and the design parameters used to assess the sizing and resulting excess capacity.

As the above referenced map does not include the Western Reinforcement leg originally proposed, we have used Exhibit F, Tab 1, Schedule 1, Attachment 2, pg. 60 as a reference. On that reference, we have noted some point locations of interest to try to provide a geographic anchor for our questions to reduce risk of miscommunication. We have attached (as Attachment 1) the resulting figure to guide the provision of data on system design.

On the map, we have provided:

- Points X and Y as the end points for the initially proposed Western Reinforcement.
- Points A and B as the end points for the currently proposed Reinforcement.
- Point C as the end point of the supply line

1) We are seeking the following data that would assist the Board in understanding the evolution of the project and the design approach using peak design hour conditions

DATA REQUESTED	UNITS	CURRENT	YEAR 10 INITIAL PROPOSAL	YEAR 10 AMENDED PROPOSAL
Max Operating Pressure X-Y	kPa			
Min Operating Pressure X-Y	kPa			
Point X Pressure	kPa			
Point Y Pressure	kPa			
Flow from X to Y	m^3/hr			
Location of System Min Pressure	MAP			
Winter Minimum Pressure	kPa			
Surplus Capacity at Minimum Pressure Location	m^3/hr			
Max Operating Pressure A-B	kPa			
Min Operating Pressure A-B	kPa			
Point A Pressure	kPa			
Point B Pressure	kPa			
Flow from A to B	m^3/hr			
Design Minimum Pressure	kPa			
Surplus Capacity at Minimum Pressure Location	m^3/hr			

Max Operating Pressure B-C	kPa			
Min Operating Pressure B-C	kPa			
Point B Pressure	kPa			
Point C Pressure	kPa			
Flow from B to C	m^3/hr			
Location of System Min Pressure	MAP			
Winter Minimum Pressure	kPa			
Surplus Capacity at Minimum Pressure Location	m^3/hr			

a) Please provide a major main map of the system that would be reinforced by the initially proposed X and Y
b) Please provide a major main map of the system that would be drawn from and reinforced by the initially and amended proposed A and B (if different from the X and Y system)
c) If not included in the above mapping, please provide all High Pressure gas mains in a 30 km radius of Point A
d) If EGI has completed studies, reports, final recommendations with supporting network analysis that has data that was used to support the pipe sizing in the two applications, please file that information.
e) Please provide network analysis to review other pipe sizes for the reinforcement or supply lines.

2)Please complete the entire above table by substituting:
a) NPS 4 XHP ST for the supply lateral from B to C, keeping NPS 6 for reinforcement
b) NPS 4 XHP ST for reinforcement from A to B, keeping NPS 6 for supply lateral

i) For either of the above scenarios, if the pressure can be feasibly raised from the proposed design pressure, please increase and note the pressure increase or the reason why the pressure cannot be raised.

ii) If either of the scenarios in a) or b) results in a minimum pressure below the minimum design pressure needed, please provide the amount of flow available through the segment in question by keeping the minimum design pressure.

3) On a separate provided map, please show the locations of the stations to be added and populate the following tables for each station.

STATION 1

DATA REQUESTED	Units	Station Design Parameters
Maximum Inlet Pressure	kPa	
Minimum Inlet Pressure	kPa	
Maximum Outlet Pressure	kPa	
Outlet Pressure Setting	kPa	
Design Flow at Min Inlet/Max Outlet	m^3/hr	
Year 10 Flow	m^3/hr	

4) Using the data provided above and potentially from the filed studies, reports, analysis, etc., please explain the need for the initial proposed western reinforcement. Please describe fully including expectations around meeting future growth.

REF: Exhibit D, Tab 1, Schedule 1, pg. 7

Preamble: We would like to understand the chosen design pressure of 4,500 kPa for the Supply and Reinforcement lines given that standard natural gas fittings of PN50 is 4960kPa.

5) Please provide a map that shows the Maximum Operating Pressures of all new pipe proposed to be installed in the Amended Application.

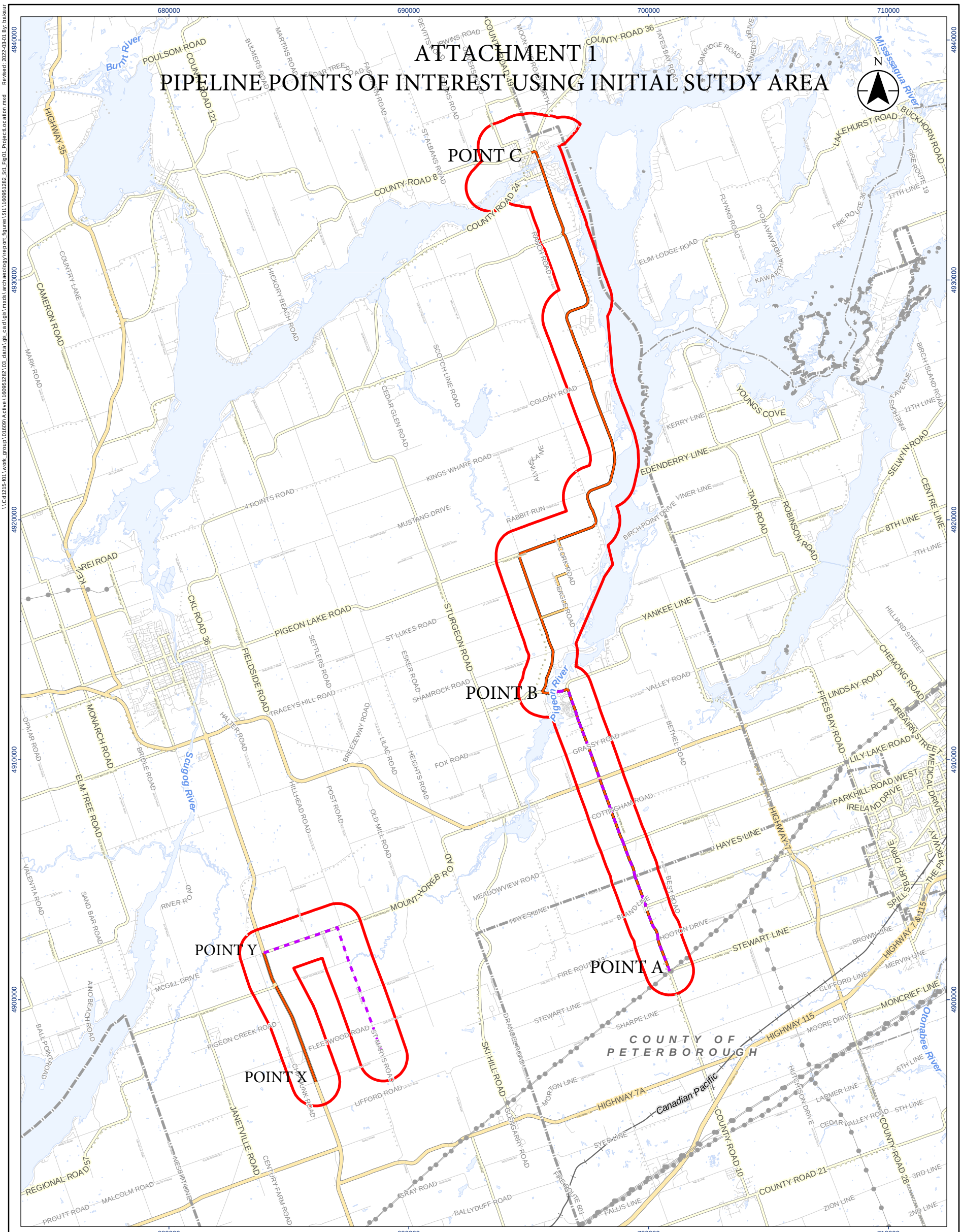
6) Please explain the limitation of Design Pressure to 4,500 kPa and identify the components that could not be designed for 4960 kPa.

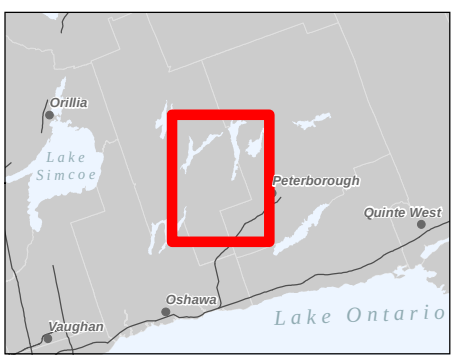
REF: Exhibit B, Tab 1, Schedule 1, pg. 8 & Exhibit E, Tab 1, Schedule 1, Attachment 1

Preamble: We would like to understand the sensitivity of the DCF Analysis to changes in customer attachment.

7) Please provide the PI and resulting NPV of the net streams if:
   a) The actual number of attachments for all classes of customers is increased by 20% in every year
   b) The actual number of attachments for all classes of customers is decreased by 20% in every year

ATTACHMENT 1
PIPELINE POINTS OF INTEREST USING INITIAL SUTDY AREA





Notes

1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2017.

Legend

- Preliminary Preferred Route for Supply Lateral
- Alternative Route for Supply Lateral
- Alternative Route for Reinforcement
- Study Area
- Hydro Line
- Expressway / Highway
- Major Road
- Minor Road
- Municipal Boundary
- Municipal Boundary, Lower
- Waterbody

0 2,900 5,800 metres

1:160,000 (At Original document size of 11x17)

Stantec ENBRIDGE

Project Location
City of Kawartha Lakes and County of Peterborough

160951282 REVA
Prepared by KB on 2022-03-01
Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Figure No.
1

Title
Project Location - Overview