

ENBRIDGE GAS INC.  
Answer to Interrogatory from  
Building Owners and Managers Association of Greater Toronto (BOMA)

Reference: Exhibit C1, Tab 1, Schedule 1; Utility System Plan/EGD, pp7-8

Question:

For EGD's rate zone, please provide definition of mains system. For Union's two rate zones, please provide the definition and categorization of system stations, length of mains, and size of fleet.

---

**Response**

Mains System – EGD Rate Zone

Mains system are defined as distribution piping which “includes EGD-owned and maintained piping including pipe, valves, all pipe appurtenances, services, and risers installed up to Customer Asset components and upstream of the meter.” This definition can be found at Section 5.2 in the EGD rate zone’s AMP, filed at Exhibit C1, Tab 2, Schedule 1, page 105.

System Stations – Union Rate Zone

As defined at section 5.4.2, page 87 in the Union rate zones’ AMP, filed at Exhibit C1, Tab 3, Schedule 1, System stations are:

“typically above grade facilities designed to reduce the operating pressure of natural gas pipeline systems through pressure control and over pressure protection. These facilities are used to transmit and/or distribute natural gas to reduced operating pressure pipeline systems which supply natural gas to cities and towns. System station components consist of piping, meters, regulators, valves, filters, separators, heaters, odourant, controls, and in some cases, structures. System station components can vary greatly depending on the station’s application and design complexity. At Union, system stations are broken down into subclasses which drive design and operating practices as well as inspection requirements.”

Further categorization can be found in table 5.4.2.2.1, page 88.

The table below shows a revised inventory of System Stations by the Union North and South rate zones.

Station Subclass	Operating Parameters		Systems Station Inventory		
	Maximum Inlet Pressure	Inlet Size	Union North Rate Zone	Union South Rate Zone	Total
Subclass A	Over 3,450 kPa	NPS 3 and over	103	187	290
	Any Pressure	NPS 8 and over			
Subclass B	Over 3,450 kPa	NPS 2	289	476	765
	3,450 kPa and Under	NPS 3 to NPS 6			
Subclass C	3,450 kPa and Under	NPS 2	723	1,191	1,914
	All Pressures	Less than NPS 2			
Total Number of Stations					2,969

Length of mains – Union Rate Zone

Enbridge Gas’s assets in the Union rate zones include over 70,000 km of distribution, transmission, and storage pipelines. For more details on the Union rate zones’ length of mains, please refer to page 8 of the USP filed at Exhibit C1, Tab 1, Schedule 1.

The length of mains is greater than 19,000 km for the Union North rate zone, and greater than 51,000 km for the Union South rate zone.

Size of fleet – Union Rate Zone

Enbridge Gas owns approximately 1,280 vehicles, trailers, and equipment across Ontario from Windsor to Cornwall to Kenora to support its operational business needs. For more details on the size of fleet, please refer to section 5.4.8.2, page 120 in the Union rate zones’ AMP filed at Exhibit C1, Tab 3, Schedule 1.

The table below shows a revised inventory of vehicle type by the Union North and South rate zones.

Vehicle Type	Example	Union South Rate Zone	Union North Rate Zone	Total Inventory
Cars	Ford Focus, Escape	36	14	50
Light Trucks	Vans, Pick-ups, USR 1 Trucks	304	149	453
Medium Trucks	USR 2 & USR 3, Cube Vans, etc.	165	68	233
Heavy Trucks	Dump Trucks	31	12	43
Totals		536	243	779