



## **Attachment 1: Dow Moore Well Drilling Project Description (TD27)**

### **1.0 Project Summary**

Enbridge Gas Distribution Inc. (“Enbridge”) has identified the need to drill an observation well in the Dow Moore Designated Storage Area (“DSA”)<sup>1</sup>. The observation well is required to monitor the gas content and pressure in the underground storage formation which will assist with the continued safe and reliable delivery of natural gas to existing and future Enbridge customers.

The proposed observation well will not be used for natural gas injections or withdrawals and a pipeline will not be installed to connect to this well. Enbridge plans to file an application with the Ministry of Natural Resources and Forestry (“MNRF”) to drill the well<sup>2</sup>. In accordance to the OEB Act<sup>3</sup>, the Minister of Natural Resources & Forestry shall refer to the Ontario Energy Board (“OEB”) every application for the granting of a license relating to a well in a designated gas storage area, and the Board shall report to the Minister of Natural Resources & Forestry on it. The drilling will take place in previously disturbed lands: the observation well will be drilled on property owned by Enbridge. The observation well site is expected to measure approximately 40 square metres or 0.00004 square kilometres and it will be an extension to an existing well pad.

Figure 1 below shows the location of the Dow Moore DSA and the location of the proposed observation well within it.

### **2.0 Project Information**

Enbridge serves over 2.1 million active customers, 92% of which are residential customers whose gas demands increase as temperatures decline. Gas demand on the Enbridge distribution system therefore follows a seasonal pattern: Gas demand is high in the winter and low during the summer. Gas storage allows Enbridge to optimize the use of upstream transportation and purchase gas during periods when gas prices are low and then utilize that gas at a later date (i.e. during the winter) when gas demand, and therefore gas prices, are high.

Enbridge currently operates approximately 114 billion cubic feet of gas storage in 11 DSAs. Nine of the DSAs are in the Sarnia area, one in Chatham-Kent and one in the Niagara region. The gas storage operation includes 95 injection/delivery wells and 29 observation wells.

The Dow Moore DSA is one of the DSAs in the Sarnia area and has been in continuous operation since 1988. Enbridge operates 14 injection wells and 1 observation well in the Dow Moore DSA. Enbridge is the landowner of the parcel of land where the observation well will be drilled. The Dow Moore DSA consists of Enbridge’s gas storage operation as well as hydrocarbon storage salt caverns operated by Pembina.

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<sup>1</sup> OEB Act, 1998, S.O. 1998, c.15, Schedule B Section 36

<sup>2</sup> The proposed well will be referred to as TD27 in application documents.

<sup>3</sup> OEB Act, 1998, S.O. 1998, c.15, Schedule B Section 40





