



1 Unique Merits of London Hydro's GB Platform

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3 The GB standard and initiative is designed to continuously evolve and work with
4 industry stakeholders to support existing utilities and energy service providers with their
5 current and future consumer engagement needs. By definition, data standards evolve
6 as market needs change. They are designed to enable reusability of data elements and
7 their metadata with the goal of ensuring consistency and code unity across the industry.
8 During the initial phase London Hydro proposes to concentrate and promote its
9 currently available GB platform, service and expertise primarily to Ontario utilities and
10 customers. For markets outside of Ontario the potential scope for services may be
11 similar; however, at this time it is challenging to estimate opportunities outside of
12 Ontario.

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14 Recently, the Ministry of Energy released its "Regulatory Proposal for Province-Wide
15 Implementation of GB" EBR Registry Number: 013-1874. The Ontario Ministry of
16 Energy (ENERGY) is considering proposing a regulation to require electricity and
17 natural gas utilities to implement GB standard, Download-My-Data (DMD) and Connect-
18 My-Data (CMD) by July 1, 2020. The proposed regulation would come into force on July
19 1, 2018, pending passage of the proposed enabling legislative amendments and
20 approval of the regulation.

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22 To implement GB, the utilities would be required to procure or develop a software
23 platform and obtain the certification. As described before, London Hydro has already
24 developed a GB Platform, DMD, and CMD systems for electricity, natural gas and water
25 data¹. London Hydro GB platform services are in production and are deployed using
26 cloud technologies. London Hydro has also provided the GB platform complete with

¹ GB standard is universal for any time series data. A system designed and developed for electricity is equally suitable for gas and water.



1 DMD, CMD as “Software as a Service” to two other Ontario LDCs. As part of this
2 service to two utilities and for London Hydro’s own use, London Hydro has developed
3 data adapters for three different CIS systems used in Ontario. This will help London
4 Hydro to fast track integration efforts for other utilities.

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6 London Hydro has also set up a “Test Lab”, which has been used by 25 third party
7 vendors to test their GB applications and services to date. Currently, London Hydro is
8 awaiting readiness of the certification of our “Test Lab” by the Green Button Alliance
9 (GBA)². The ANSI³ audit, which is a prerequisite to enable Underwriters’ Laboratories
10 (UL) to carry out the test, has been completed. Our next step is training of staff on the
11 test platform before scheduling tests for certification of the “Test Lab”. It is anticipated
12 that London Hydro’s “Test Lab” will soon be UL certified to test and certify the GB
13 platform implementation for other utilities. Additionally, such a systemic “Test Lab” can
14 further aid in the expedited testing of GB platform for other utilities.

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16 In January 2016 London Hydro also became the first utility in the world to receive UL
17 certification for its GB Platform and DMD (for natural gas, electricity and water). This
18 certification affirms the security and accuracy of London Hydro GB platform and the
19 data. Furthermore, we have completed all required pre-tests for CMD certification and
20 are in the process of scheduling our official certification test date.

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22 London Hydro is in the best position to assist in deploying GB platform for the Ontario
23 market immediately. This would assist the Ministry of Energy, the OEB and the Ontario
24 electricity utilities in successfully implementing the GB standards in a timely manner by
25 July 2020.

² GBA is association of utilities, governments, and energy companies for the promotion and upkeep of Green Button Standards for utilities.

³ American National Standards Institute