
Ontario Green Button Update

November 15, 2017

Presentation to:
IESO Demand Response Working Group

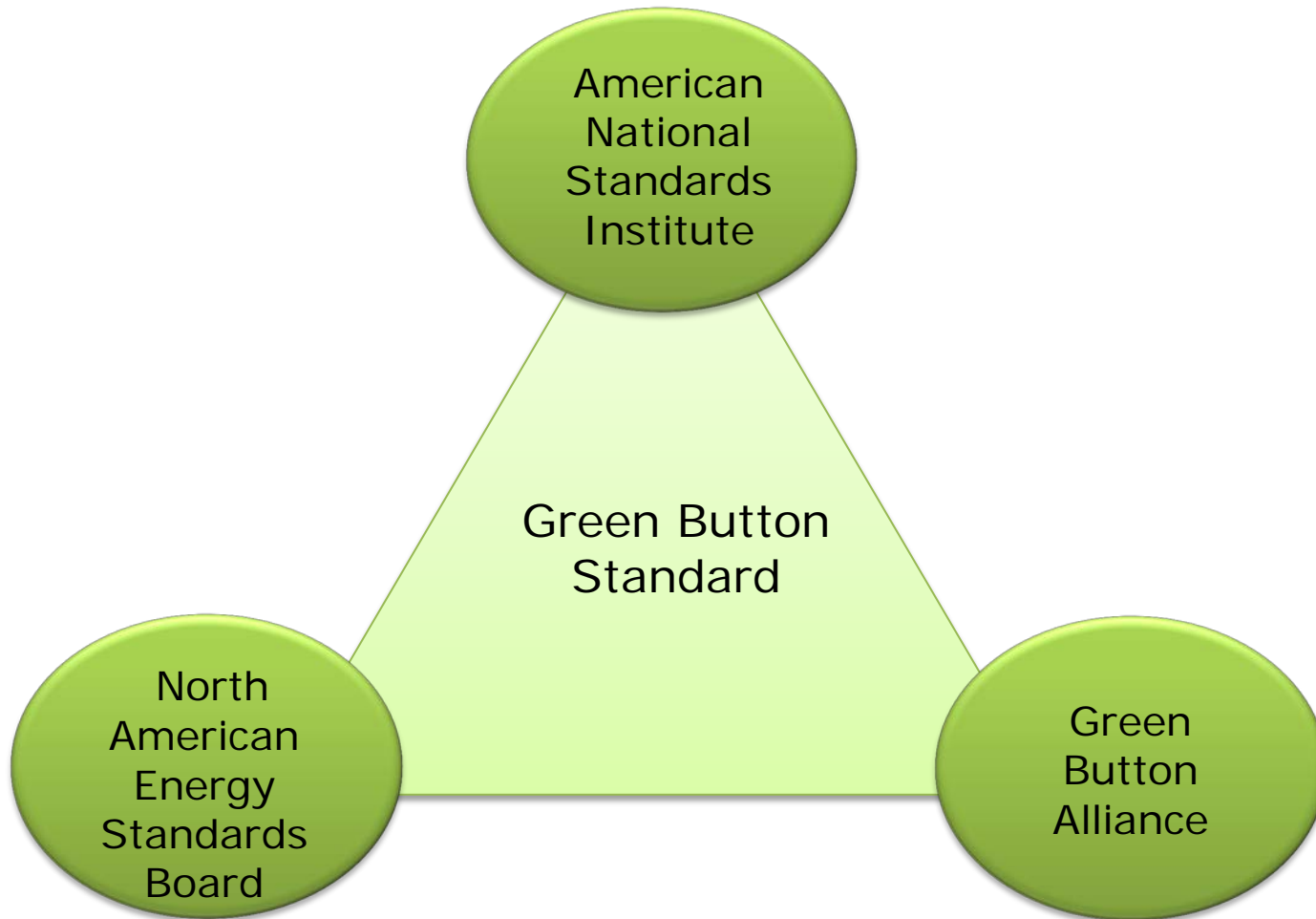
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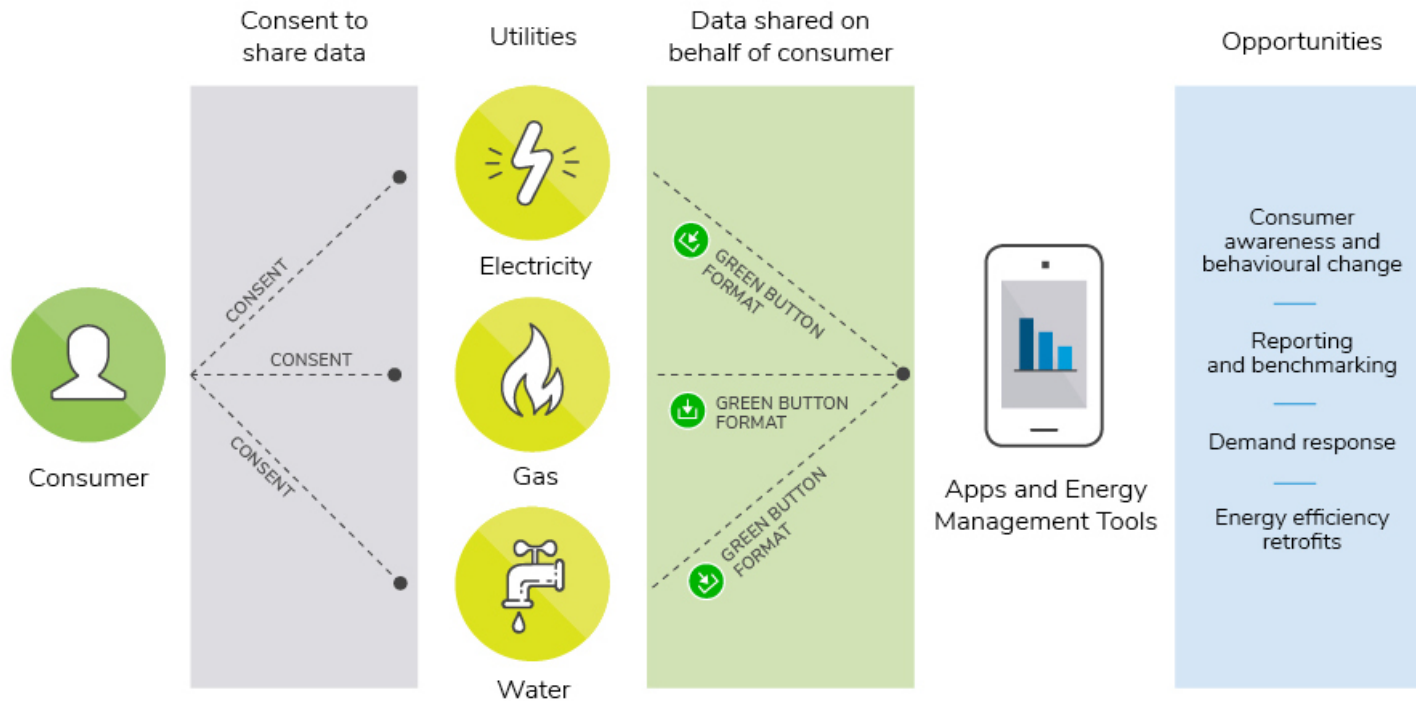


Overview of Green Button Standard – Governance

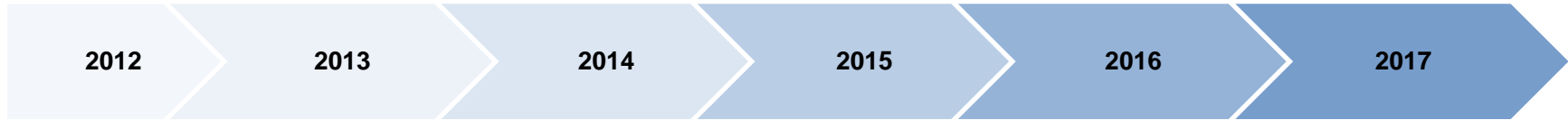


Overview of Green Button Standard – Technical

- Green Button is a data standard that can empower households and businesses with access to their utility data (i.e. Download My Data, or DMD) and allow them to authorize the automatic, secure transfer of their own data from their utility to apps of their choice (i.e. Connect My Data, or CMD).



Ontario's Efforts to Date



2012
Ontario announces voluntary adoption of Green Button



2013
Energy Apps for Ontario Challenge

2013 Long-Term Energy Plan (LTEP) promoted benefits of Green Button



2015
Ontario consulted on requiring electricity, natural gas and water utilities to implement Green Button and conducted a cost-benefit analysis

2016
2017 LTEP announces intention to propose legislation that would, if passed, allow Ontario to require electricity and natural gas utilities to implement Green Button



Ontario provided funding to MaRS to coordinate Green Button Connect My Data Pilots with London Hydro and Hydro One to test the roll-out of the standard



2016
Ontario's 2016-2020 Climate Change Action Plan commits to expanding Green Button province-wide

ONTARIO'S FIVE YEAR CLIMATE CHANGE ACTION PLAN 2016 - 2020



Delivering Fairness and Choice



Results of the Cost-Benefit Analysis

- 1. Combined DMD and CMD Implementation:** implementing both DMD and CMD is more cost-effective, providing greater benefits than DMD alone.
- 2. Electricity and Natural Gas Utility Implementation:** the most cost-effective option is to implement Green Button for electricity and natural gas utilities.
- 3. Multi-integrated (hosted) platforms:** both single- and multi-integrated hosted options are equally cost-effective.

Long-Term Vision

Utility Implementation

- Informed by the stakeholder consultations and cost-benefit analysis, introduce proposed amending legislation to enable requiring Ontario's electricity and natural gas utilities to implement Green Button (through a proposed new regulation).

Standard and Certification

- Ontario-specific requirements and guidance documents to support consistent utility implementation
- Certification program in place to ensure conformity with the standard

Market Development for Applications

- Foster potential market opportunities to utilities, customers and solution providers

Ontario is a global leader in empowering consumers with Green Button energy data.

Current Status

- The ministry issued a Request for Bids (RFB) on October 31, 2017 to procure a technical consultant for support in developing Green Button implementation support documents.
- On November 14, 2017, proposed legislative amendments to the *Green Energy Act, 2009* (GEA) and *Ontario Energy Board Act, 1998* (OEBA) were introduced, as part of the government's Fall Economic Statement Bill, to enable the province-wide implementation of Green Button.
 - Proposed amendments to the GEA would enable the establishment of a regulatory framework, which may include:
 - Requiring electricity and natural gas utilities to make their customers' energy data available to the customers or to other persons authorized by the customers as prescribed in regulation and meet certification requirements as may be prescribed in regulation, by a deadline to be set in regulation.
 - Giving the Ontario Energy Board (OEB) the authority to grant extensions of time to comply with the proposed requirements.
 - Proposed amendments to the OEBA would enable the OEB to use its existing compliance mechanisms to ensure electricity and natural gas utilities comply with the proposed requirements.

Next Steps and Support Resources

- The ministry plans to post a Green Button regulatory proposal on the Environmental and Regulatory registries shortly for public comment.
 - Regulatory proposal will include details on implementation timelines.
 - Stakeholders will have at minimum 45 days to respond to the proposal.
- ENERGY will establish starting January 2018 an Umbrella Committee and three Technical Working Groups (one each for electricity, natural gas, and water) to develop Green Button implementation support documents.

Support Resources:

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Questions?

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