

# Green Button Implementation Task Force Meeting 4 EB-2021-0183

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1:30 – 3:30 p.m.  
August 12, 2021

Includes suggestions from task force members on  
energy data as shared at the task force meeting

# Agenda

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- 1:30 – Welcome / Admin.
- 1:40 – Presentation and discussion
- 2:30 – Break
- 2:45 – Discussion
- 3:30 – End

# Recap of the objectives of the GB TF

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- Support industry preparations in relation to the implementation of Green Button in line with Ministry of Energy expectations by identifying:
  - Key milestones on the critical path for implementation over the phase-in period
  - Any issues to be addressed to support the initial stages of planning for and implementation of (e.g., near-term requirements for guidance pre-reg. effective date) Green Button as will be required by Regulation
  - Whether there is a need for any Code / Rule amendments as well as any associated guidance

## Meeting #4 – Objectives / Areas for Discussion

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1. Review data currently collected by utilities in Ontario that may be determined to be minimum requirements for Green Button in Ontario
2. Task force members to provide feedback on any concerns or issues with providing the data currently collected for residential and commercial customers in Ontario in the NAESB / Green Button format
3. Discuss if further work needed on the Energy Data item
  - a) Based on the Mission:Data document presented last week, are there specific function blocks that customers / third-parties would benefit from having available?
4. Task force will discuss the following items in the next two meetings:
  - a) Customer authorization / de-authorization
  - b) Customer consent and data privacy
  - c) Third-party – utility terms and conditions
  - d) Customer experience

Are there other areas that task force members wish to focus on in the near term?

# What Energy Data May be Required

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- Utilities are expected to be required to collect the energy usage data and customer account information (location) that they currently collect and to ensure that this data is available in the NAESB-consistent xml format
- OEB staff have provided a sample of energy data collected by utilities (see next two slides) for discussion to determine whether additional information could be required
- Much of the information on the next slides is based on what appears on a customer's bill and that they would be able to view on their online accounts

# Sample energy data points for discussion (elec)

(note: highlighted elements suggested by task force members in the meeting and require additional information to determine whether relevant in the Ontario context)

Customer Usage Information	Customer Account Information
Usage Point ID	Usage Point ID
Previous read & current read - dates and meter readings (plus clear identifier of unit of measure included in GB standard)	Meter number
Current reading type (e.g. actual / estimate) and quality of reading and any additional information on reading type	Account number / premise number
Billing period – start / end dates and times (bill type – adjusted / final)	Account name
Overall consumption for period (plus historical usage summary)	Service address
Overall consumption last billing period	Mailing address
Data by hourly interval (or less) with associated cost per kWh (TOU or tiered) / kW	Customer contact information
Total bill amount for period / add equal billing payment plan (plus PDF copy of the bill?)	Customer rate class (or is this usage info?) / unique customer identifier
Global Adjustment (Class A, Class B, retailer customer)	Information necessary to participate in DR / other programs
Delivery charges (broken out by fixed and volumetric where possible)	TOU / tier or Class A/B or GS<50/GS>50
Regulatory charges (broken out by item where possible)	
Rate riders if delivery charges broken out	Gross-load billing information
Ontario Energy Rebate (for residential, GS<50)	Meter multiplier / power factor (secondary or primary) / loss adjustment factor (plus whether added on the meter or not)
HST	IESO Control Group
Utility supplier information (name, market participant ID, other, retailer – may be referenced as “agreement association” in standard and include retailer billing information)	Net metering / FIT / MicroFIT
Previous consumption / billing history up to 24 months for new requests	For accounts with one account number but multiple premises, access data for all accounts with one authentication?

# Sample energy data points for discussion (gas)

(note: not discussed during meeting, additional information to be sought from gas utilities)

Customer Usage Information	Customer Account Information
Meter number	Meter number
Previous read & current read - dates and meter readings	Account number
Current reading type (e.g. actual / estimate) and quality of reading	Account name
Billing period – start / end dates and times	Service address
Overall consumption for period	Mailing address
Overall consumption last billing period	Customer contact information
Data by interval with associated cost per m <sup>3</sup>	Customer rate class (or is this usage info?)
Total bill amount for period	
Customer charge	
Delivery	
Cost adjustment	
Transportation charge	
Federal Carbon Charge	
HST	
Utility supplier information	
Previous consumption / billing history (up to 24 months for new requests to provide historical context?)	

## Questions for the Task Force

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- Do utilities see any issues / concerns with providing such information in the NAESB-consistent xml format?
- For all task force members, is there data missing from the information on the previous slides that should be considered in the Ontario context?
- The Retail Settlement Code (RSC) prescribes information that is required to be passed from electricity distributors to electricity retailers in Ontario for the purposes of retailer consolidated billing
- Reviewing these requirements (see next slide), do task force members see the need for, or have any concerns with, providing information such as this in NAESB-consistent xml format?



# RSC Requirements

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- 7.1.1 Information Flow From Distributor to Retailer – A distributor shall deliver settlement invoices to retailers using the EBT System. Unless other arrangements are agreed to in the Service Agreement established between the parties, a distributor shall itemise the costs attributable to each individual consumer served by a retailer.
- Costs for each consumer shall, at a minimum, be unbundled in the following manner, as appropriate:
  - Competitive electricity service costs
  - Non-competitive electricity service costs
  - Distribution charges itemised in terms of the billing determinants used to calculate it (e.g. a fixed charge, usage charge and/or demand charge)
  - Competition transition charge, if applicable
  - Rural rate protection charges or credits, if applicable
  - Market power mitigation credit
  - All applicable taxes itemized in accordance with the applicable legislation;
  - Avoided cost credits (e.g. for metering or billing services not provided by the distributor)

## RSC Requirements (continued)

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- A distributor shall also provide a retailer with the following information at the same time as the distributor delivers the settlement invoice to the retailer:
  - Individual consumer usage for the billing period for all consumers
  - Individual consumer peak demand for the billing period for all demand-metered consumers
  - The net-system-load-weighted average price used to calculate commodity costs for each individual consumer
  - Summary of the net amount owed to the distributor by the retailer for the entire invoice
  - Payment due date
- A distributor shall also bill retailers periodically for transaction fees and other administrative costs incurred by the distributor on behalf of the retailer. Some of these costs will be consumer-specific (e.g. customer transfer costs, final meter read costs, etc.) while others may apply only to the retailer in aggregate (e.g. account set-up charges). Consumer-specific costs shall be itemised by consumer account number and by type of service. A distributor may invoice these charges according to a different schedule (e.g. monthly) rather than according to the schedule associated with settlement for services that are billed based on usage and, therefore, depend upon a distributor's meter-reading and billing cycle. In all cases, the specific payment and billing schedule for settlement processing with retailers shall be clearly delineated in the Service Agreement that is required between distributors and retailers
- Source: <https://www.oeb.ca/sites/default/files/uploads/documents/regulatorycodes/2019-01/Retail-Settlement-Code-RSC-20170101.pdf>

# Next Steps

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- Utility task force members to review data elements discussed today and the Green Button Standard documents (xml schema) with their technical team(s) and service providers to confirm ability to provide the data elements in NAESB-consistent xml format
  - Provide feedback from these discussions at August 26<sup>th</sup> meeting including any guidance required by the OEB in order to implement
- Discussions at the next two task force meetings:
  - Customer authorization / de-authorization – priority given functional nature
  - Customer consent and data privacy - priority given functional nature
  - Customer experience – priority given functional nature
  - Third-party / utility terms and conditions
- Of the above, which ones are priorities for task force members and are there suggestions on key themes / areas for discussion for each?