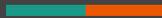# OEB
Green Button - IWG

Independent Working Group for the implementation of Green Button in Ontario

IWG - Agenda for Today

- **OEB Staff Greeting**

- **Introductions** – Gary – 5 min.

- **Administrative** (how is this going to work) – Gary – 20 min.

  - Updates and Slido IWG (last meeting 44/65 32/65)

  - Q&As on last slides (updated every week)

  - Technical Sub (ITWG)- Working Group (Mondays: next 3 weeks)

- **Review / Discuss - User Experience - 45 minutes**

- **List of Previous Items / Summary / Next steps - 15 minutes**

Administrative - General

- Meetings – Weekly at least till the end of March - Q&A at end of Slide Deck (updated Weekly)
- When Asking Questions please state your company name
- Meeting Etiquette
- This Week: User Experience
- Next Week: Security and Privacy of Data
    (Focus on Government Requirements)
- Last week Q&A - integrated into this weeks presentation
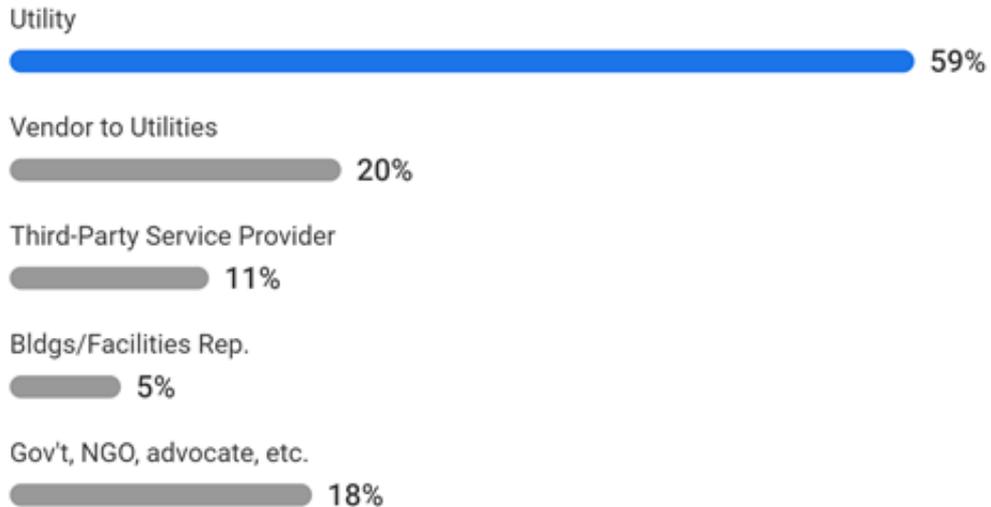- Establishing the ITWG
- 21 months left

Q & A from 2022-02-10

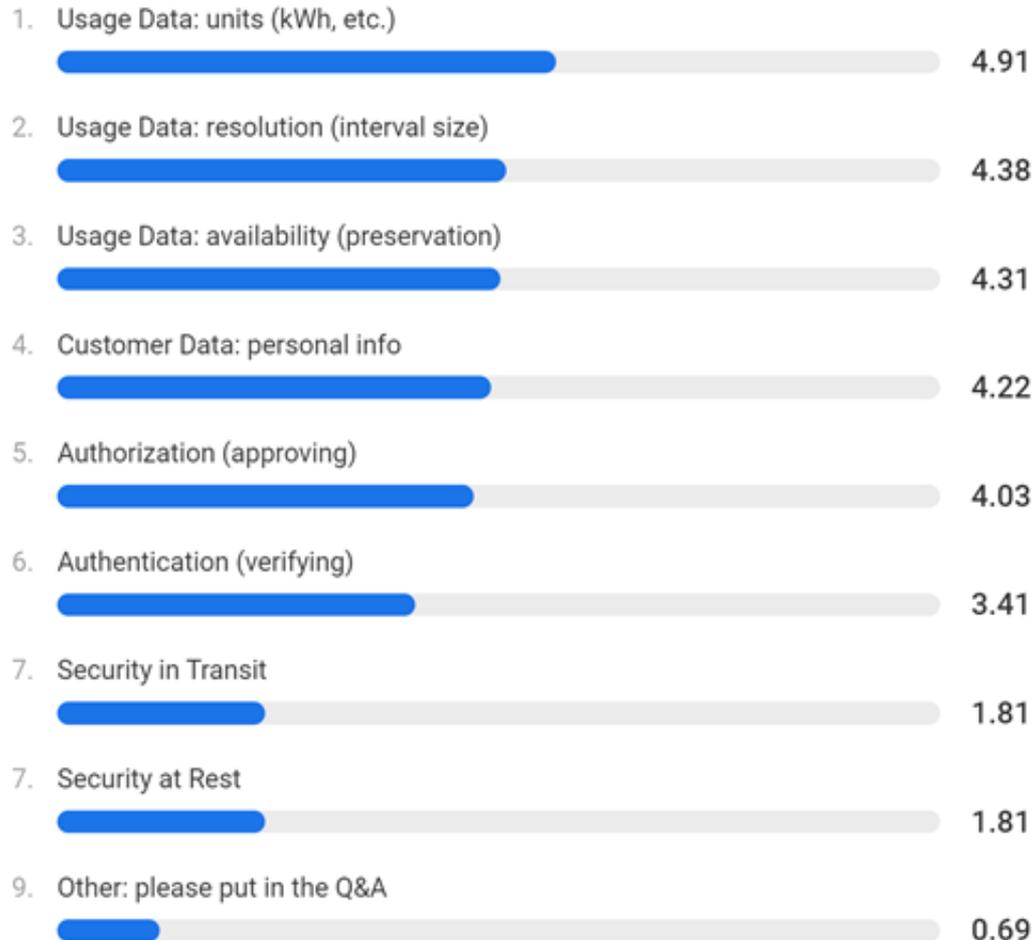See next set of Slides for Results

Results From 2022-02-10

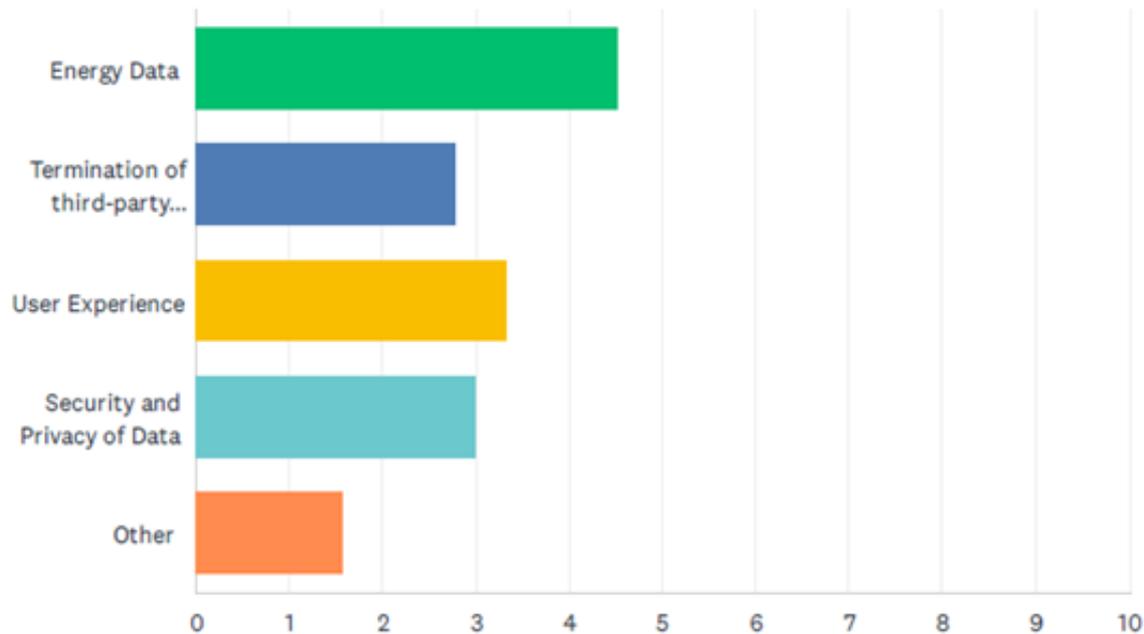What category of participant are you (44 of 65 respondents)?

Utility
59%

Vendor to Utilities
20%

Third-Party Service Provider
11%

Bldgs/Facilities Rep.
5%

Gov't, NGO, advocate, etc.
18%

Results From 2022-02-10

What's most-important to you
for this Workgroup
(32 of 65 respondents)?

1. Usage Data: units (kWh, etc.)
4.91

2. Usage Data: resolution (interval size)
4.38

3. Usage Data: availability (preservation)
4.31

4. Customer Data: personal info
4.22

5. Authorization (approving)
4.03

6. Authentication (verifying)
3.41

7. Security in Transit
1.81

7. Security at Rest
1.81

9. Other: please put in the Q&A
0.69

OEB Questionnaire Results - What is important?

Answered: 19   Skipped: 0

List of Items from Previous Meetings

Discuss Virtual Accounts (e.g., Alectra) - Move to ITWG

Need clarity on what the 'product' will be and how it works?
- **How to identify who is vendor and who is third party?**

If a customer is on equal billing? How will it work?

What about the MDMR: can it be used?

What consumption data will be made available by LDCs through GB: unadjusted (metered) or adjusted (after application of Total Loss factor)?

List of Items from Previous Meetings

Can we support non-digital Authorizations. (e.g., paper) What are the costs?**- User Experience**

Can 3rd parties advise on what is required by them in their solutions/apps? **- User Experience**

Payment confirmations? Information regarding payment settings? Payment/e-billing settings? Would that be included? **- User Experience**

Bill print vendors may also need to be considered as in some cases, they do the consolidation of line item information for presentation on the bill.- What Use Case would this cover? **- User Experience**
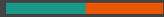
Has interval data granularity been decided. (5 min, 15, hourly) - **The GB Regulation requirement is for intervals of one hour or less subject to any limitations of the energy provider's infrastructure. However, if distributors already provide usage data in intervals less than one hour in the normal course of operations, they would be expected to provide that.**

Utility data does not reside in one place. MDMR (res and small GS) and our ODS (GS>50 and up). How many GBA certifications are required? Also - I understand the cost for certification is US$3700, does this mean we will be charged twice if we are certifying two different platforms? **- See FAQs**

Independent Technical Working Group (ITWG) - Bill Focus

- ITWG -Create an inventory of utility bills, what is available in standard & identify the gaps:
  - ITWG reports to IWG (once a week - 15 minutes) - first report due 2022-02-24...
    - Provide feedback / progress / needs.
  - Focus on mapping between Standard and data inventory (review differences).
  - Completed within 3 weeks (Monday meetings).
  - Election of Co-Chairs (Now, in this meeting).

Independent Technical Working Group (ITWG) -

Other Items for Future ITWG Discussions

- To help to define what electricity and natural distributors collect and make available in the normal course, create an inventory of electricity and distributor data that is on bills and other locations (e.g., MyAccount), what is available in the standard, and identify any gaps

From previous Chat items - Passed on to ITWG

I think the challenge will be standardization of billing information.
- The GB standard UsageSummary resource provides the ability for a utility to breakdown by billing line the data they want to provide using a "free-form" description as part of the charge line.

Just wondering how vendors going to program systems to accommodate various "free-form" charge lines?

LCDs bill print line items are regulated, would it suffice to say at minimum we must send data per line item?
- An example of a UsageSummary line entry which contains Description, amount, debit or credit:
  a. Description entry could be Energy Distribution amount 25.00 debit, &
  b. Description entry could be Payment amount 125.00 credit.

Individual rate elements are grouped on the bill print; assuming we provide the aggregate amounts the same mapping could be repurposed.

Are we expected to provide a regulatory charge for each interval downloaded? i could be wrong but I think we only calculate those charges once a month during a billing cycle.. not each time the meter reports and interval.

Review / Discuss - User Experience - 45 hour

Non Regulation issue (may require definition by OEB) or GB Standard issue

DMD = Customer

CMD = Third Party

Differences of DMD and CMD

Are there any Performance (KPIs) required by future OEB requirements?

FAQ's

1 **Do I need to Buy the Standard?**
- If you are an Ontario Electric or Natural Gas Utility or a vendor using the standard. YES. Also see NAESB Copyright

2 **Where Can I find the Ontario Regulation?**
- O. Reg. 633/21: ENERGY DATA

3 **Can we do Bulk Registration?**
- For a single utility YES GB -related. Across utilities NO not part of the Standard or Regulation

4 **Where can I find OEB staff guidance related to Green Button implementation in Ontario?**
- OEB Green Button Implementation

FAQ's

5 When Do the Utilities have to have their systems Operational and Certified by GBA?
- Regulation states November 1, 2023

6 Does the ESPI (GB) standard handle Line Losses?
- Yes, there are fields for Line Losses.

7 Who needs to get Certified by the Green Button Alliance?
- All Ontario Utilities within the Regulation. Completed by November 1, 2023

8 How many options are there for Reading Quality (for the metered intervals)?
- There are 19 options and more can be proposed, if needed.

FAQ's

9 **Is historical data required for former customers of a Utility?**
- Utilities are not required to pass data on to previous customers even if they move from within the Utility .

10 **How Many times do I as a Utility need to certify**
- If they are separate platforms or tested separately you will have to pay separately (same time and using the same engine)

11 **What is the cost of GBA Certification?**
- DMD Cert+Test is US$3,000. Cert+Test is US$3,200. The cost of DMD+CMD Cert+Cert+Test is US$3,700. (.

12 **Q?**

IWG - Next Steps? Evolution of the IWG

IWG

Thank you for your participation

To reach out to the Co-Chairs - Email us