

Measurement Data Submission, Contributor Management and DR Audit – Proposed Updates

Demand Response Working Group

September 4, 2019

Agenda

- Stakeholder Feedback
- Proposed Change #1 – Measurement Data Submission Process
- Proposed Change #2 – Validation, Editing, Estimation (VEE) process to address meter data issues outside of DRMP's control
- Proposed Change #3 – DR Audits
- Proposed Change #4 – Contributor Management Enhancements
- Next Steps

Summary of Stakeholder Feedback

Related to contributor management, measurement data submission and DR audit

- DR service (HDR resource) is 'devalued to zero' when DRMP fails DR audit
 - Issues with one contributor can invalidate HDR resource
 - DRMP financially exposed when contributor meter data issues arise which are outside of the DRMP control
- DR audit process needs to be clearly defined in market manual
- Best practices from other jurisdictions should be adopted, and process inefficiencies eliminated

Proposed Change #1 – Measurement Data Submission Process

- Submission of measurement data required only for ‘activation months’
 - Measurement data submission for the Virtual Meter Point ID (NO Change)
 - Submission based on current DR Settlement Calendar (NO Change)
 - Submission must be timely, accurate and complete, otherwise subject to administration charge (NO Change)
 - Measurement data submission will always be a three month data file. One month data file is no longer applicable (Change)
- DRMP must continue to collect and retain measurement data for ‘non-activation months’
 - DRMP must submit measurement data for Virtual Meter Point ID for ‘non-activation months’ upon IESO request
 - Seeking additional input to address measurement data submission requirements for non-activation months (related to accuracy and completeness requirements, data retention requirements and potential implications when timelines and requirements are not met)

Proposed Change #1 – Measurement Data Submission Process (cont.)

- Means of collecting contributor meter data:
 - Directly from the LDC meter via remote interrogation (MM 12.0)
 - LDC provided meter data (MM 12.0)
 - Use of KYZ pulse output from LDC meter to replicate meter data
 - Use of independent meter (in-series with the LDC meter) to replicate meter data
- Contributor meter data principles:
 - The contributor meter data must be traceable to the contributors LDC meter (i.e. LDC statement)
 - Traceability is assessed at the time of the DR audit and must be within the +/-1% of accuracy tolerance

Proposed Change #2 – VEE process to address contributor meter data issues outside of DRMP's control

- Introduce a new VEE process to permit DRMP to 'estimate' meter data when unavailable
 - Done at the contributor level for intervals where meter data is unavailable because of issues outside of the DRMP's control
 - Estimate '0' for any interval outside of the activation hours
 - Estimate '90 day peak interval value' for any interval within the activation hour(s)
 - DRMP to submit 'Measurement Data Control Sheet' with each Measurement Data Submission identifying contributors with VEE data
 - Measurement data, contributor meter data and 'Measurement Data Control Sheet' will be used during DR Audit process
- Principled approach to address meter data concerns that affect a small population of contributors for any given month
 - This proposal is aligned with the VEE principles for physical contributors in the IAM
 - Risk based approach to addressing contributor meter data issues
 - Devalue the contributor instead of the resource

Proposed Change #3 – DR Audits

- DR Audit process will be documented in the market manuals
 - No fundamental change to the two step DR Audit process and accuracy tolerances (+/-1%)
 1. Contributor meter data traceable to LDC statement (energy and demand)
 2. Sum of contributor meter data traceable to submitted measurement data
 - Incorporate provisions for ‘Measurement Data Control Sheet’
 - Introduction of ‘**LDC interval data**’ as higher quality tier of meter data used to enhance current audit process
 - Eliminate need to provide ‘Contributor Agreements’. Using LDC statement provided at time of registration and DR audit as proof of agreement
 - Include record retention requirements and implications if supporting documentation (i.e. contributor meter data or LDC statements) cannot be provided in support of audit

Proposed Change #4 – Contributor Management Enhancements

- When registering a virtual contributor, ‘Record of Installation’ will no longer be required. DRMP shall provide contributors LDC statement at time of registration.
- Monthly contributor management activities will be processed by ‘individual contributor’ and not by ‘monthly task’

Next Steps

- Stakeholders are invited to provide written feedback on the proposed measurement data submission process, contributor management enhancements and the DR audit process by September 18th by emailing engagement@ieso.ca
- Implementation timelines to be determined once proposal is finalized.