

Enhancing the Value of MDM/R Data

Discussion Paper

Ontario has made a significant investment in smart meters and in the central repository (the MDM/R) for high quality, consistent residential and small commercial electricity consumption data. This repository is currently being used by LDCs in the processing and management of smart meter data to support billing of electricity customers on time-of-use rates.

The data set in MDM/R also offers significant potential value for designing conservation and demand response programs, system planning, policy development, academic research and to support innovation in Ontario.

In order to enhance the value of the data in the MDM/R, the IESO will work with stakeholders to add additional information to the MDM/R and to develop a framework for providing data access to third parties compliant with Privacy by Design Principles and applicable legislation. This work will involve defining and stakeholdering the requirements to provide additional consistent information to the MDM/R using existing interfaces and functions of the MDM/R.

The objectives of this project are to:

- Enable analysis of the data set in the MDM/R to support private sector innovation, energy management, conservation and demand response programs, system planning, policy development, and academic research. In order for analysis to be performed on the data set, the data in the MDM/R must be augmented to include consistent data such that it can be associated with other data sets, including property information, weather and electricity conservation and demand response programs.
- Develop and stakeholder the rules required for third parties to be able to access the MDM/R data in compliance with Privacy By Design Principles and applicable legislation.

The project objectives are to be delivered primarily through a consultative process with users and stakeholders. Consultation is expected to be undertaken primarily through an expert Working Group representing private sector, LDCs, academia, researchers, municipalities, the IESO, The Information & Privacy Commissioner of Ontario, the Ministry of Energy, the Ontario Energy Board and other stakeholders. These consultations will address the following topics including (a) regulatory and cost recovery (b) data required to be added to the MDM/R (using existing interfaces) (c) Security & Privacy and (d) Rules for Data Access by Third Parties.

The IESO will be soliciting nominations for members for the Working Group over the coming weeks, with the objective to conduct workshops starting this spring and complete the project by the fall 2015.

Questions for SAC Discussion

1. Do SAC members have initial thoughts or considerations about the initiative?
2. As we reach out to stakeholders, who specifically should we be speaking with?
3. Do the consultation topics listed above address the appropriate discussion areas?
4. How does SAC want to be updated about progress?