

Assessment of Impact of Market Rule Amendment on Consumers Re: Price, Reliability, Quality of Electricity Service

This form is used to document the *IESO's* assessment of the impact of a proposed *market rule amendment* on the interests of consumers with respect to prices and the *reliability* and quality of electricity service.

Terms and acronyms used in this Form that are italicized have the meanings ascribed thereto in Chapter 11 of the *Market Rules*.

Part 1 – Market Rule Information

Identification No.: MR-00471-R00
Title: Updates to Synchrophasor Monitoring Requirements
Date of Assessment: April 29, 2022

Part 2 – Assessment

The following is the *IESO's* assessment of the impact of the proposed *market rule amendment* on the interests of consumers with respect to price and the *reliability* and quality of electricity service.

Impact of Price:

Market participants are expected to install and maintain at their expense, all necessary infrastructure to remain in compliance with the market rules. This includes any costs associated with providing synchrophasor data to the IESO as part of the need for real-time monitoring to maintain system reliability.

Impact on Reliability of Electricity Service:

Access to synchrophasor data will enhance the IESO's situational awareness which is critical to maintaining reliability and resiliency with an increasingly dynamic power system. The changes prepare the IESO to meet anticipated NERC requirements along with other North American ISOs and RTOs.

Impact on Quality of Electricity Service:

Synchrophasor data adoption will allow the IESO to achieve further enhancements in operating the system with increased penetration of inverter-based resources such as renewable energy and energy storage units.