

## Peak Advisory and Notification Service (PANS)

Sygration has developed a new service through a partnership with NRG Matters that is targeted towards mid-sized industrial loads (Class A consumers that are 3 – 15MW). PANS provides a monitoring and communications service that is designed to help clients reduce their Global Adjustment costs through participation in the new Global Adjustment Recovery Method (5CP Global Adjustment Allocation).



PANS includes the following services:

- Understand the client's business, focusing on how the client uses energy in the development of the its products or services
- Analysis of historical peak demand factor to identify potential benefit of opting out of global adjustment recovery method (may return to volumetric method for first 2 adjustment periods)
- Analysis of load-shifting and curtailment capabilities to identify potential cost benefits that may be realized by lowering net consumption during potential peak system demand periods
- Assisting the client to ensure alert messages are integrated into the client's load-curtailment strategy
- Provide assistance to the client in the development and execution of its load-curtailment test plan
- Provide monthly analysis of the IESO Demand Forecast and using simulation techniques establishes minimum thresholds for the alert messages
- Tracking of short-term (day-ahead or longer) forecasts along with dynamic forecast error statistics. Alerts are emailed to clients to inform them of hours that have a potential of becoming one of the top 5 system peaks
- Tracking of current day demand forecast and error statistics, and provide email alerts to clients indicating hours in the current day that may become one of the top 5 system peaks

The service analyzes the long-term and short-term demand data using three different risk scenarios, which are established based on a customer's ability to plan and adjust their operations in order to avoid potential peak periods. Alerts are sent to the customers along with the risk analysis so they may decide the most appropriate steps to take.

- Slow Responding: Targeted at identifying 20 Peak Alert days (approximately 60-80 hours of curtailment), this level provides the highest probability of missing the peak days
- Moderate Responding: Targeted at 15 Peak Days (approximately 40-50 hours), this provides a reduced chance of missing a peak day but also reducing the impact on production
- Quick Responding: Targeted at 10 Peak Days (approximately 30 hours), this level is most suitable for operations that have stand-by generation that can be activated with little advance notification

All subscribers of the PANS service are also required to subscribe to the Sygration Dashboard service. These services are highly integrated and includes alerts sent via email and the Sygration Dashboard. When a client receives a short-term notification alert, they are expected to use the Dashboard to monitor the Ontario Demand and system notices in real-time.

**Contact: NRG Matter 905-484-8636 or Sygration 905-593-1416**