

Revenue Metering Standing-Committee

OPA DR III M&V Plan
Date: 16 May 2007



- **OPA's DR III is a contractual load shedding product.**
- **The OPA will pay participants:**
 - **An availability payment for all hours the participant agrees to make their load available for curtailment, and**
 - **A utilization payment for hours the participants actually curtail their load.**
- **Program is open to Direct Participants and OPA Approved Aggregators who can provide a net reduction of 5 MW and 25 MW respectively.**
- **Baseline methodology will be used.**
- **Check with the OPA for details – this is their program!!!!**

- **M&V Plans to be submitted to the IESO.**
- **New plans must be submitted whenever there is a material change.**
- **Separate plans must be submitted for aggregated loads and aggregated generators.**
- **There is no limit to the number of plans.**
- **Each plan relates to a Settlement Point.**
- **No loss adjustment, no weather adjustment, no MEC.**
- **Wholesale and retail meters are OK.**
- **IESO will review plans prior to official submission.**

- **Plans must include detailed information:**
 - Facility or facilities.
 - Load reduction strategy and MW.
 - SLD where applicable.
 - Declaration of transferability.
 - Metering installation – complete information.
 - Feeder reference where applicable.
 - Confirmation of 5 minute interval.
 - Statistical methods, operational meters, SCADA and any other non-meter means are not acceptable.

- **Load Baselines:**
 - Calculated baseline is required for an activation.
 - Business days only.
 - Baseline required for each M&V Plan.
 - Baseline value for any Confirmed Hour of an Activation event, shall be the average of the same clock hour as those of the Activation event for the highest fifteen (15) days of the last twenty (20) BDs prior to the Activation.
 - Excludes approved shutdown days.
 - Can be extended to a max of 35 BD with conditions.
- **Note: all this information is subject to change!**

- **For Aggregated loads, the baseline methodology is the same, except the baseline values shall include all contributors.**
- **For generators behind the meter, the baseline shall be the lowest 15 BDs.**

- **Baselines shall be adjusted using the measured demand prior to the curtailment hour.**
- **Baseline adjustments shall only be used to increase the baseline values.**
- **The baseline shall be adjusted as follows:**
 - Determine the average of the measured four (4) hours prior to the curtailment hour (Avg4).
 - Determine the difference (Diff) between Avg4 and the calculated unadjusted baseline (Bsl1) of the first curtailment hour (i.e. $\text{Diff} = \text{Avg4} - \text{Bsl1}$).
 - Add 50% of this difference (Diff) to the unadjusted baseline (Bsl1) for each curtailment hour of the activation event (e.g. $\text{HE 14} = \text{Bsl14} + \text{Diff}/2$).

	HE 10	HE 11	HE 12	HE 13	HE 14
Bsl1					22.1
Measured (kWh)	23.0	23.2	23.7	23.8	
Avg4				23.425	
Diff					1.325
New HE					22.7625