



Moving to Smart Meters

- WG agreed to defer discussion of the RPP for smart meters until it had some resolution of the RPP for conventional meters
- This resolution is now more clearly defined
- This session address the issues and options for the RPP for smart meters (SM)







Key Questions re: RPP for SMs

- What price structure (eg, Time-of-Use or TOU) for the RPP for SMs to take advantage of the additional capabilities of SMs
 - If TOU, how many periods, what hours?
 - Seasonality?
 - Critical Peak Pricing (CPP)?
 - Should the price in any period merely reflect underlying supply costs or should the prices or differences in prices between periods be "exaggerated" to elicit more customer response?
- Are variances in the RPP for SM recovered separately from variances in the RPP for CM?
- Can / should the other elements of the conventional meter RPP (eg, true-up frequency, recovery period, notice, etc.) apply to the RPP for SM or should they be different?

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Impact of the Global Adjustment on TOU Price

- Based on draft regulations, the Global Adjustment (GA) will be applied uniformly for all consumption in a month
 - Maintains peak / off-peak differential, but does not provide marginal price signal
- Key issues:
 - Although GA will be uniform within a given month, RPP for SM does not need to reflect GA uniformly in TOU prices
 - Could apply downward adjustments to off-peak prices, upward adjustments to on-peak prices
 - Although GA may vary by month, RPP for SM does not need to apply different GA for each month
 - Could average within a season or across the entire year







Ontario "Extreme" Price Frequency

- Frequency of occurrence drops rapidly as "extreme" price threshold increases above 10 c/kWh
- Given limited time market has been open and weather patterns in that time, historical seasonal frequency may not be reflective of future frequency

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	Winter (Dec-Mar)	Shoulder	Summer (June-Sept)	% of hours	Average Price (c/kWh)
Hours > 10 c/kWh	697	133	285	5.1%	12
Hours > 12.5 c/kWh	367	62	165	2.7%	15
Hours > 15 c/kWh	184	40	112	1.6%	18
Hours > 17.5 c/kWh	76	20	79	0.8%	22
Hours > 20 c/kWh	49	7	60	0.5%	26













Critical Peak Pricing for Ontario

- Optional or mandatory?
 - Number of customers on EdF's tempo rate is substantially less than those on its TOU rate
- If so, when?
 - Is the market ready?
 - Optional now, mandatory later?
- Exaggerate prices or not?
 - Results achieved elsewhere are based on much higher critical peak prices and price differentials
- Notice period?
 - Need for Day-Ahead price signal or use three or four hour ahead pre-dispatch price?





RPP for SM Variances

- Pool of customers for recovery of RPP for SM variances expected to increase over time; pool of customers for recovery of RPP for CM variance will decrease
- Variances in the RPP for SM can be tracked separately from variances in the RPP for CM
- Key decision is whether RPP for SM variances should be recovered separately from variances in the RPP for CM?



Review of Key Questions

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