

IESO Engagement

From: Andy Armitage
Sent: August 31, 2018 9:59 AM
To: IESO Engagement
Subject: RE: 2019 APS Draft Project Plan and Comment Template

Task 2 - Base Year Disaggregation

Is there any way to take into account the effect large industrial customers have on a low density area. An example is IESO Zone 10. Also, are directly connected customers being taken into account as well?

I would assume you are using availability of gas to pull out home heating sources, what can you use to account for wood heated homes? Also, please note the effectiveness of air source heat pumps are limited in colder climates, assumptions such as the penetration of heat pumps cannot be applied across all climate zones.

Segmentation - Does the segmentation take into account the geographical location? The commercial operation of a business in the GTA is different from that in rural Ontario.

Task 3 - Reference Forecasts

Please allow enough time to review the underlying assumptions in these forecasts, although the assumption would be that the consultant would use the load forecast which was developed through the IRRPs.

Task 4 - Measure Characterisation

Page 14 references a measure as being 'In Market', this can be interpreted in many ways, as an example when the 2016 study was done behavioural was very new to the market and many assumptions made where not aligned with what utilities were seeing in reality. Is there a way to validate assumptions for these measures?

What constitutes 'more rigour'?

Also for new measures, the last study did not take into account the time required utilities to bring programs to market. The Bass diffusion curve started at year 0 which does not reflect the reality of bringing a new measure to market.

Would the consultant be able to use the Opportunity accelerator results as a sanity check here? Obviously we recognise that the Opportunity Accelerator results would not have all the measures available but it would provide a reasonable benchmark to test against.

Task 5 - Technical Potential

Section 7.3 references sales forecasts, where are these going to come from?

Activity 5.11 has performed quality checks on data. Are these quality tests going to be defined before the model is run? What kind of quality checks are going to be performed here?

Task 6 - Economic Potential

Thank you for disaggregation of the Total-Resource Cost screening.

Activity 6.04 Outlines quality control checks. What kind of quality control checks will be performed here? Please ensure that they are pre-defined transparent tests that can be used to validate the data. Also, publishing the results of some of these tests will be helpful in understanding what has been cleaned from the model results.

While I don't generally agree with the measures being ordered by Total-Resource Cost, the competition groups bring it closer to the reality of how measures are offered through programs.

Task 7 - Achievable Potential

The Delphi panel is somewhat worrisome as the description given seems like it would create group think. Are there any alternatives to this?

9.3.3 Model Calibration

Please also consider the year started for measures, the time required to bring new measures to market is a large impact.

Thanks,
andy

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