

2019 Achievable Potential Study Project Plan Comment Template

August 17, 2018

The Independent Electricity System Operators (IESO) and the Ontario Energy Board (OEB) (collectively the Project Team) are requesting feedback on the draft Project Plan for the 2019 Achievable Potential Study (APS). The draft Project Plan was prepared by Navigant, who is the project consultant and was selected through a competitive procurement process. Navigant presented the draft Project Plan at the August 9, 2018 Advisory Group meeting and the August 20, 2018 public webinar.

More information about the 2019 APS project objectives and governance can be found on the [2019 APS webpage](#).

The purpose of the Project Plan is to:

1. Align expectations at the start of the project between Navigant, the Project Team, the Advisory Group, the Expert Panel and the broader public regarding the methodology, activities, deliverables, and timelines related to this project.
2. Capture any material changes to Navigant's proposed methodology, activities, deliverables and timelines as the project progresses. Changes to the Project Plan may be required as a result of new information regarding data availability, interim findings of Navigant's exploratory analysis or feedback from the Project Team or stakeholders.

To ensure effective tracking and responses to your input, please use the draft Project Plan comment table included below to summarize your comments and suggested actions.

When responding to the draft Project Plan please consider the following questions:

- Does the methodology presented in the draft Project Plan align with best practices in achievable potential studies?
- Will the approach described in the Project Plan tasks achieve the APS objectives?
- Are there any data sources not mentioned in the Project Plan that you think should be considered?

Please submit your comments to engagement@ieso.ca by Wednesday August 29, 2018. The Project Team will work with Navigant to consider and incorporate comments as appropriate and post responses on the 2019 APS webpage by September 12, 2018.

Thank you for your time.



2019 APS Project Plan Comment & Suggest Action Table

Task/Topic	Comment	Suggested Action
General Comments on the Project Plan	Disappointed that the APS is by IESO zone / region and not going to be developed at the utility level.	Recommend APS results have the ability to be aggregated by natural gas and electric utility service territories
Task 1 – Project Plan		
Task 2 – Base Year Disaggregation	Concerned about the end-use equipment selected and how it is applied to segments and sectors	Recommend end-use equipment list be , sectors and segments be reviewed by APS Advisory Group, etc.
	Sector data is coming from the IESO and natural gas utilities. Why is electricity segment data not coming from the electric utilities?	Recommend that sector based electricity data be calibrated against electric utility sector data
	Commercial Segment – All restaurants have been lumped together.	Would suggest breaking fast food from larger restaurants.
	Commercial Segments – Schools have been lumped together.	Recommend breaking out elementary from high schools as sizes are significantly different in most regions i.e. primary / elementary are general much smaller than high school / secondary schools
	Commercial Segments – Did not see a segment for small businesses that may have a strip mall style business where there is a small office and small shop. Typical candidates for small business lighting programs	Recommend finding a segment to capture these in as it will help inform decisions for small business programs.
	Commercial Segments – Did not see a segment for retirement homes. Retirement homes differ significantly from nursing homes in the nature of level of care, end use equipment, etc.	Recommend creating segment for retirement homes.
	Where do condos and student housing fit in?	
	End Use Commercial – Do server rooms fall under computer equipment?	Would recommend a end use for server rooms as many offices have these and they do account for a substantial portion of a customers energy usage.
	End use – Where do booster pumps and ventilation fit in for large multi-story	Recommend including some segment or end-use to capture these

	multi-res?	
	Where does light industrial / light manufacturing fit in?	Recommend a light industrial / light manufacturing segment
	Calibration to actual segment facilities	Recommend that the segment facilities be calibrated against actual building equipment and performance to ensure accuracy and that results are not over or understated
Task 3 – Reference Forecasts	Concern the IESO forecasts for electricity do not align with LDC	Recommend reference forecasts be calibrated with LDC for casts for IESO zones to ensure accuracy
	Why is there no LDC involvement from the electricity side of forecasts?	
Task 4 – Measure Characterization	Efficiency measure and measure impact	Recommend efficiency measure and measure impact be reviewed by APS project group
Task 5 – Technical Potential		
Task 6 – Economic Potential	Figure 10 is missing from the document	Recommend including or removing
	The economic potential is based on TRC and PAC tests. Customers don't evaluate projects based on TRC or PAC but rather business metrics based on costs and benefits but measurable i.e. payback and ROI and non-energy benefits such as improved lighting and working environment	Recommend that the economic analysis be reflective of the metrics that are actually used by customers for implementing projects. This will help to ensure that the true economic potential is reported.
Task 7 – Achievable Potential	Achievable Potential as a Function of Customer Awareness and Willingness	Recommend achievable potential impacts on payback acceptance, etc. be reviewed by APS project group
Task 8 – Whole Building Benchmarking	Data gathering	Recommend calibrating the data to that which the electric and gas utilities have on sectors and segments

Task 9 – Sensitivity Analysis		