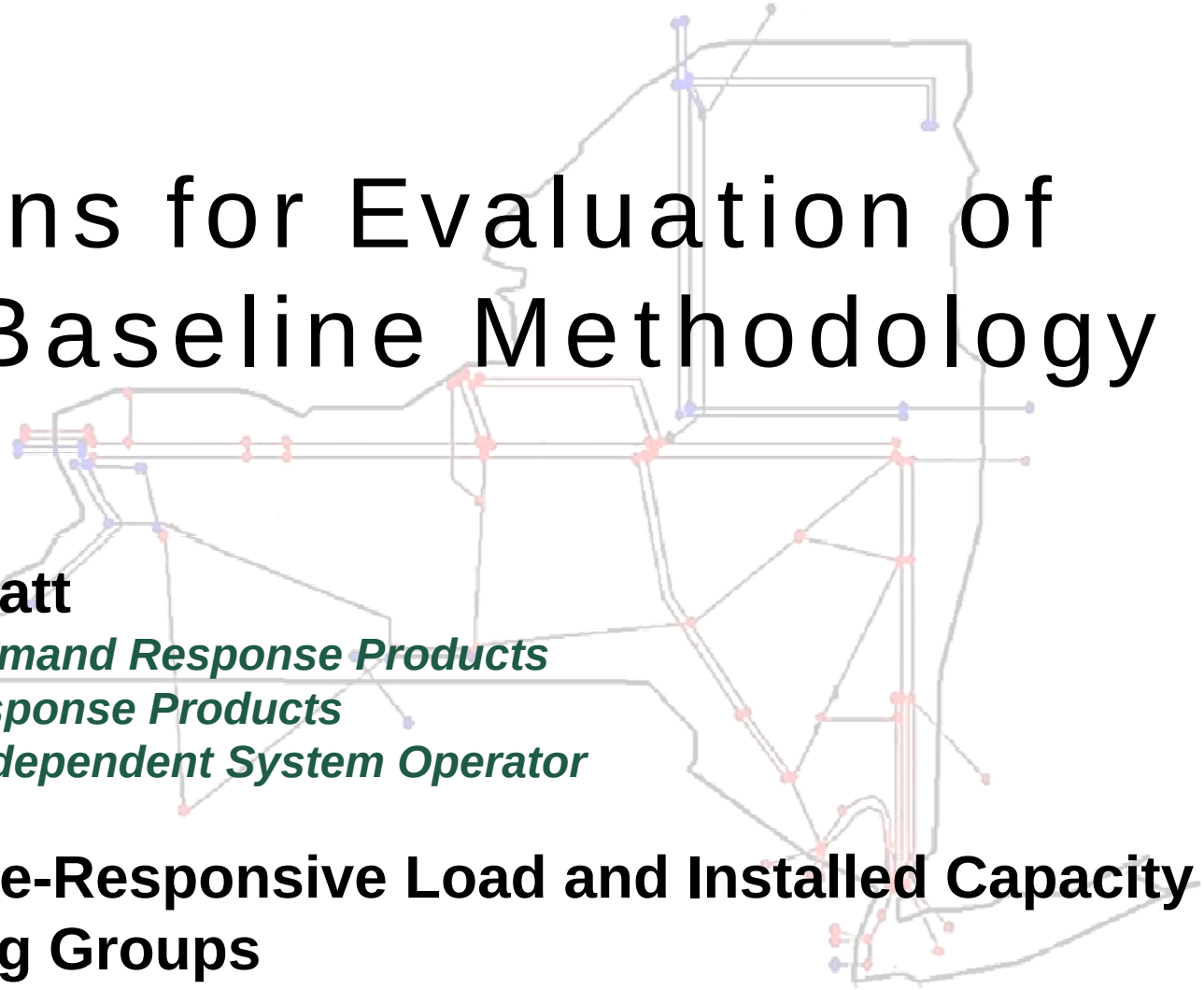
Options for Evaluation of ACL Baseline Methodology



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Joint Price-Responsive Load and Installed Capacity Working Groups

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DRAFT – FOR DISCUSSION PURPOSES ONLY

Topics

- **Reason for Evaluation of ACL Baseline**
- **Study Components**
- **Options for Study Data**
- **NYISO Proposal for Study Data**
- **Next Steps**

Reason for Evaluation of ACL

- **At the January 26, 2011 BIC meeting, the motion to approve the change from APMD to ACL included a commitment by NYISO to conduct an evaluation of the revised baseline methodology in 2013:**
  - ***"… and will include in the meeting minutes that the NYISO staff has indicated that in Calendar Year 2013, the NYISO will report to the ICAP Working Group on its evaluation of the revised SCR baseline performance methodology that is part of this motion."***

Study Components

- **Scope:**
  - ***What is the objective?***
  - ***What will be evaluated?***
- **Data: What data will be used?**
  - ***What is needed?***
  - ***What is available?***
- **Analysis:**
  - ***How will the analysis be performed?***
  - ***What do the results show?***

Preliminary Scope

- **Compare baselines under ACL and other baseline methodologies**
  - ***Current energy CBL used for SCR and EDRP***
  - ***Alternative ECBL proposed for DADRP***
  - ***Possibly other CBL versions, existing and new***

Data: What is needed?

- **Sufficient interval meter data from a representative sample of SCRs to calculate the ACL and the CBL for the Capability Period**
- **Periods of data**
  - ***To compute the ACL, data from the Prior Equivalent Capability Period is needed***
  - ***To compute the CBL, data from the current Capability Period is needed***
- **Meter data in each period**
  - ***Hourly interval data for each month within the Capability Period for a minimum of 12 hours per day: 8am – 8pm***
  - ***All hours of every day within the Capability Period preferred***

Data: What is available?

- **NYISO has the top 40 hours of data for ACL calculations for Summer 2011, Winter 2011-2012, and Summer 2012 for all SCRs**
- **NYISO currently has test and event-related hours of meter data for Summer 2011 and Winter 2011-2012**
  - ***Up to 17 intervals per SCR depending on zone***
- **NYISO does not have supporting data used to develop the CBLs reported for energy payments**
  - ***Hourly CBL values are only available for the SCRs that elected to receive energy payments in events or tests***
- **NYISO has a complete summer capability period of hourly interval data from 229 SCRs used in the baseline study for the change from APMD to ACL**

Options for Study Data

Options	Pros	Cons
A. Begin interval meter data collection going forward	Advance notice to RIPs	Development of procedures, potential tariff and software changes that would applicable for a limited period of time. Will create significant delays in conducting the study.
B. Survey RIPs to assess available interval meter data for SCRs enrolled in Summer 2011, Winter 2011-2012 and /or Summer 2012	The amount of interval data will be known prior to receiving the data. This will provide information on whether the amount of available data is sufficiently representative.	Additional step in the data collection process adds delay to data collection. To mitigate, RIPs would have the option to send the data with their response.
C. Issue data request for available data from all RIPs for the three Capability Periods and catalog what is received	Eliminates the step of surveying the available data	Uncertainty about available data and whether is will be sufficiently representative. Delays in beginning analysis; will need to wait till reporting deadline to capture as much data as possible.

Options for Study Data (cont'd)

Options	Pros	Cons
D. Issue data request for a representative sample of SCRs for the three Capability Periods	Subset of SCRs Would work better if combined with survey of available data	NYISO will need to categorize all SCRs and select representative sample. NYISO will not know if data is available for selected SCRs unless survey is done first. Potential for multiple iterations of data requests to get sufficient sample and data set will cause delays in the study and may not result in a representative sample.
E. Use the 2008 interval meter data that was used to conduct the baseline study that resulted in the change from APMD to ACL	Data is available now and has been validated and categorized	ACL and CBL would come from the same Capability Period. Only summer data available, however, since Winter ACL is being evaluated as part of the Provisional ACL project, this may be less of an issue.

NYISO Proposal for Study Data

- **Use the available Summer 2008 data that was used for the baseline study that resulted in the change from APMD to ACL**
- **Assumptions associated with this approach:**
  - ***ACL and CBL would come from the same period of data***
  - ***CBL bias is usually associated with weather-sensitive load, typically air conditioning***
    - **Therefore summer is the key period that needs to be evaluated for CBL**
  - ***No analysis of a winter CBL***
    - **Issues with Winter ACL will be addressed as part of the Provisional ACL project**
    - **With only one winter period of data that could be available the "same period" issue would persist here with any of the other data collection options**

Next Steps

- ***Identify the preferred study data approach***
  - ***Stakeholders may provide their preferences today or via public written comments no later than COB, Tuesday, August 28***
  - ***Please send all written comments to Leigh Bullock (lbullock@nyiso.com)***
  - ***Written comments received will be circulated and posted with this August 20 ICAPWG meeting agenda***
- ***ICAPWG Conference call on August 29 to discuss stakeholder recommendation on study data approach***
  - ***Time will be 1:00 p.m. or immediately following conclusion of the Management Committee meeting if later than 1:00 p.m.***
- ***Provide an update on the SCR Baseline Study approach at the Sept. 12 BIC with a proposed timeline for study data based on the data approach recommended by stakeholders***
- ***Seek approval from BIC to proceed with the proposed timeline***
- ***Present estimated SCR Baseline Study timeline for analysis at an ICAPWG after the September BIC***

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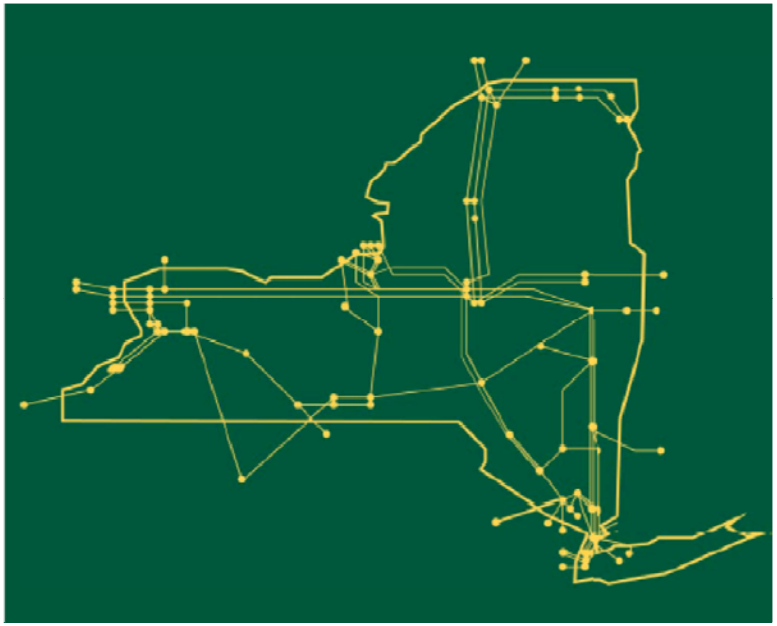

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