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**MEMORANDUM**

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**TO:** STAKEHOLDER ADVISORY GROUP  
**FROM:** SHAWN ENTERLINE, PROJECT MANAGER - VEIC  
**SUBJECT:** DATA GAPS AND DATA REQUESTS  
**DATE:** 11/18/11  
**Cc:** ERIN CARROLL, ANNETTE BEITEL

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The VEIC Team has completed its initial review of the measures that were included in the Request for Proposals. This Memo includes some general observations about the Ameren & ComEd TRMs, and a series of requests for additional information on Page 2. The Client Web Portal isn't scheduled to be ready until 11/29, so in the interim, please send additional information or questions to me at [senterline@veic.org](mailto:senterline@veic.org).

Thank you, ~ *Shawn*

### **General Observations**

1. Savings Algorithms:
  - a. Many measures have multiple equations for kW and kWh savings or are not completely specified.
  - b. Waste Heat Factors for lighting measures do not appear to be included.
2. Baselines:
  - a. Lighting baselines need to be updated. They also need to be defined by individual measure.
  - b. Algorithms need to handle mid-life shifts in the baseline, mostly for retrofit measures.
3. Cost Characterization:
  - a. Operations & Maintenance costs do not appear to be included in the current algorithms.
  - b. Incremental costs changes with time of day for lighting measures and in other situations.
4. Documentation:
  - a. Many measures need additional clarification/documentation.
  - b. Using California's DEER database for lighting run hours, coincidence factors, etc. is not ideal.
5. Lifetimes & Persistence Factors
  - a. Some measures have markedly different lifetime assumptions than TRMs in other states.
6. Loadshapes:
  - a. The list of existing load shapes is small. More variety would allow for greater algorithm accuracy.
7. Additional Measure Recommendations
  - a. Compressed Air Measures, expanded breadth of HVAC measures, ECM or Brushless DC Fan Motor, Steam Boilers (if applicable).
  - b. Lighting control measures need to be updated to reflect current IL energy code.
    - i. Some clarification is necessary in the control measures. What do they include/exclude?

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## Data Requests

### 1. General Data Requests

- a. Please provide the most recent 3-year plans filed with the Commission.
- b. Please provide the most recent annual evaluation reports.
- c. Please provide the most recent quarterly reports.
- d. Please provide any working documents that support all of the measure characterizations such as spreadsheets, appendices and any other reference documents.
- e. Please provide any documentation relating to residential measures.
- f. Please provide any potential studies or working documents such as appliance/equipment saturation surveys.
- g. Please provide any evaluations that have been conducted, either by a third party or by the program administrator itself.
- h. Please provide any documents that identify the unique market characteristics of Illinois' building stock and stock of end-uses.

### 2. High Impact Measure Requests

- a. Please provide a contact list (name, address, phone, e-mail) for the personnel who can answer technical questions as they arise during the high-impact measure analysis.
- b. For all of the high-impact measures, please provide any spreadsheets, working papers and supporting analysis.
- c. Please provide any documentation relating to residential measures.

### 3. Miscellaneous Requests

- a. Please provide the current tariff sheets for residential and commercial customers.
- b. Please provide the details for the Boiler Reset Controls measure, including whether it is a custom or prescriptive measure.
- c. Please provide the definition of the time periods in the load shape section(s).