

Greetings,

Your e-mail address was provided by staff of the Missouri Public Service Commission (PSC) as a possible source for information to feed in to the statewide demand side management (DSM) potential study KEMA is undertaking. We have received over 11,500 files totaling almost 9 gigabytes in response to our first data request forwarded by the PSC. The schedule set for this study by the PSC does not permit a thorough review of this volume of data or the synthesis of raw data. This data request is intended to solicit the most significant inputs in a format that can be readily incorporated into our analysis.

Measure information

We would find it most helpful to have the baseline for each measure, and the full set of measure characterization inputs, in a format that can be easily manipulated, such as MS Excel. This would increase the degree to which we could compare and consolidate the data provided by utilities. The priority measures characteristics, based on our experience, are:

1. Measure applicability - the fraction of a particular market segment where as specific technology at any efficiency level, may be applied;
2. Technology saturation – a units based indicator (# of TV's per home) of the actual installation of a particular technology regardless of efficiency level;
3. Not Complete – The percentage of saturation that is not currently high efficiency.

We have found that some of these terms are not consistently defined across the industry. For example, penetration and saturation often seem to be used as equivalent, even within one document. Please let me know if you have any questions with regards to terminology.

Economic Information

Please provide the following key economic inputs for your utility:

- Utility discount rate;
- Customer discount rate, by sector/segment if it varies;
- Assumed inflation rate;
- Line loss rate;
- Definition of costing periods, including name, hours per year, and which months each is applicable;
- Avoided energy costs by costing period, by year, for the forecast period (30 yr max);
- Avoided demand costs by costing period, by year; and
- Customer energy and demand rates, by sector/segment and year.

We are providing the attached spreadsheet "DataRequestEcon1.xls" as the preferred tool for providing this information.

Building / Baseline Data

Please provide the following, once again in MS Excel format to expedite processing:

1. Loadshapes – Disaggregated to building types, end uses, and measures if possible, or to whatever degree is normally tracked by your organization.
2. Commercial building type allocations – This analysis will use 10 commercial building types, as described in our baseline memo of 10/4. We are seeking, the area (e.g. in square feet) of each building type, the percentage of commercial load attributable to each building type, number of meters for each building type, or comparable data. If your organization disaggregates the data along different lines, please describe how the ten building types we define should be allocated.
3. Residential building type allocations – This analysis is likely to use three residential building types, related to rate classes; single family, low income, and multi-family. Please provide the number of units in each class.

If, based on your review of the interim data memos, there is other information you would like us to consider, please present it, in a format consistent with or readily transferrable to, the sample data files attached (SampleMeasureFile.xls and SampleBuildingFile.xls).

Please provide any inputs you wish us to consider by October 15.

Thank you in advance for your cooperation,

Best regards,

Tom Franks