

## Demand Response Wish List

### National Standards for Demand Response Programs

- Establish a base lining standard
- Establish a revenue payment cycle
- Establish a common messaging/notification method
  - if utilizing email or pager type of notification the message should indicate:
    - Utility or ISO calling event
    - Type of program event
      - Capacity, Reserves, Critical Peak, Demand Bidding, etc.
    - **Actual** start and end time of event
    - Date of event
  - most valuable to utilize common communication protocol such as XML, SOAP, or Web Services
- Establish standard metering requirements
  - Establish a pre-approved list of metering devices
  - Establish a common metering interval rate
  - Establish a set of common methods for delivering interval metering data to utility/ISO/CSP (curtailment service provider)
    - Utilization of this type of communication protocol would allow some customers with energy management systems/building automation systems to automate event initiation.

### Other Items/Thoughts:

- Caution utilities/ISO on the creation of direct load control programs.
  - Typically this requires the installation of a device to initiate curtailment protocol and sometimes report meter information to utility/ISO/CSP.
  - Often times this requires the customer to establish a static IP address and provide access to the vendor (utility/ISO/CSP).
    - This may be easier for companies with smaller IT departments, but difficult for companies with larger IT departments.
- Caution utilities/ISO signing “exclusive” contracts with a sole CSP.
  - May limit participation from other customers who have established business relationships with other CSPs.
  - Some customers may prefer entering program directly with the utility.
  - Also may lead to situations where the CSP requires installation of a 3<sup>rd</sup> party device to initiate curtailment and record meter information; which typically leads to the customer providing CSP a static IP address and access to their network.
- Caution utilities/ISO requiring multi-year contracts

- May limit participation of new customers. New customers will be unsure of their curtailment ability and will want to “test the waters” the first year.
- Suggest having a “clause” allowing businesses to pre-define periods they will not be able to participate in events.
  - For example, many retailers will not want to curtail/participate in a DR events in November and December due to increase business.
  - If the non-curtailment periods are pre-defined, you can find other customers (not in the same type of business) to fill those gaps.
- For Voluntary Load Reduction programs ensure there is at least a minimum revenue payment that will allow the participating company to cover the set up costs.
  - Typically the participating company receives a bill reduction or revenue payment per event participation. However, if the utility/ISO only calls 3 events during the program season, this typically will not cover the participating companies set costs.