CSP Expected Reduction Reporting Methods

(Summary)

DISRS

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ER Reporting

- Response rate to request was over 95%
- Reported methods varied
  - Simple
  - Sophisticated
- Reported values for this year's holiday period significantly different from same period last year
  - More closely reflect energy reductions during WSE

Preliminary Findings

- Key elements
  - Seasonal sensitivity (summer, winter)
  - Day type sensitivity (weekday, Saturday, Sunday/holiday)
    - Many CSPs do not appear to account for this
  - Hour of the day sensitivity (load shape)
    - Most CSPs appear to not account for this
    - Some do account for non-mandatory hours by reporting zero (0)
  - Facility availability (shutdowns, reduced capability, already off/down)
    - Some CSPs account for this

Expected Load Reduction Reporting

- CSP's are required to report accurate expected real time energy load reductions by:
  - Pre Emergency vs Emergency, Lead time, Product, Zone
- Expected real time energy load reductions represent amount of energy that CSP expects will be reduced. This is typically based on the difference between the CBL and expected load
  - If location load is already low and will not be reduced further – CSP should include 0
  - Energy load reductions are different than capacity load reductions that are used for compliance.

Expected Load Reductions

- Expected Load Reductions are not:
  - PLC or WPL minus load unless you expect the load to be similar to the PLC or WPL for the hour
- CSP should use accurate **hourly** estimates
  - If customer load is low in early morning and they will not reduce further then expected load reduction = 0

CSP Expected Load Reductions are used in lieu of CSP telemetry requirement to help with dispatch decisions

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Improvement Areas

- Improvement areas to be in compliance with manual
  - Account for Day type (weekday, Saturday, Sunday/holiday)
    - Typically, aggregate reporting has not shown this is being done
    - Might be the biggest improvement
  - Account for Hour of the day (hourly reductions based on load shape)
    - Significantly weather sensitive load
    - For facilities having a high load factor the shape may be flat
  - Facility availability (shutdowns, reduced capability, already off/down)
    - All CSPs should factor this into their reporting
- By January 31, 2024

Contact

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