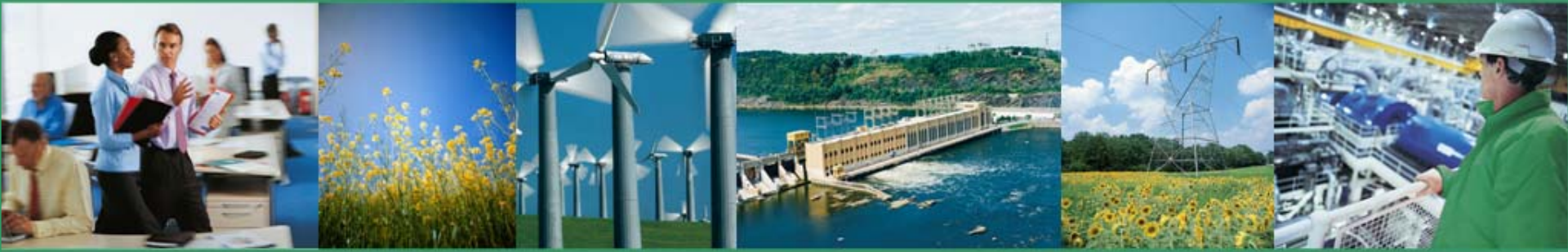




Constellation Energy



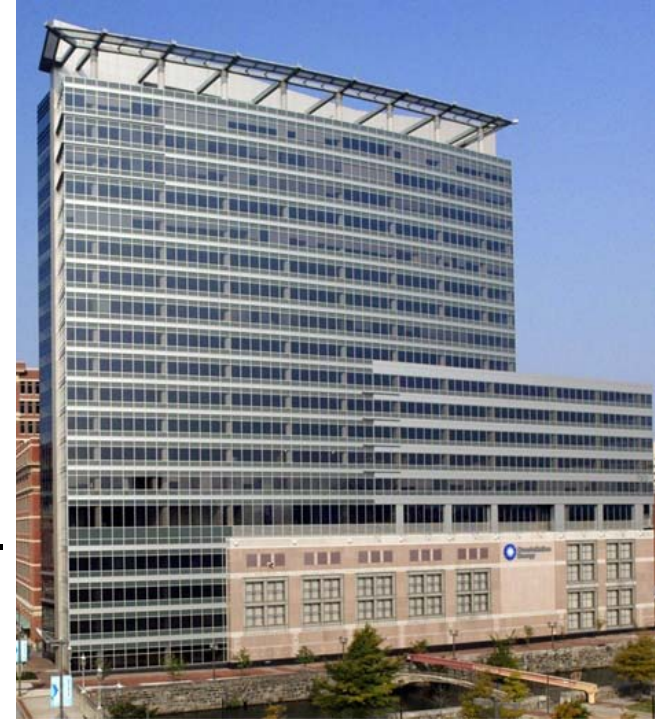
Constellation NewEnergy's NYISO SCR Small Customer Aggregation Proposal

NYISO ICAP WG

May 8, 2009

Constellation Energy Overview

- Integrated energy merchant (NYSE: CEG)
- Owns a diversified fleet of 78 generating units located throughout the United States
- Approximately 8,700 megawatts of generating capacity
- Named to the 2007 FORTUNE list of Most Admired Energy Companies
- No. 39 on the 2008 BusinessWeek list of 50 Best Performing Companies in the U.S.



Constellation NewEnergy Overview

- Leading North American energy cost manager and competitive supplier to commercial, industrial & public sector customers
- Supplies more than 16,000 megawatts of peak load
- Serves more than 14,000 customers including over two thirds of the Fortune 100 companies
- Active in 16 states and Washington DC
- Wholly-owned subsidiary of Constellation Energy
- Provide extensive Sustainable Energy Solutions including Load Response and Green E



Constellation NewResponse Programs

- ERCOT
- ISO-NE: Small Customer Aggregation Approved
- PJM: Small Customer Aggregation Approved
- NYISO



Small Customer Aggregation

- Multi-site retail chain stores
- Utilize customers' existing building automation system (BAS).
- Systems can be enhanced to provide load curtailing capabilities.
- BAS provides automation of demand response and access to interval data.
- **3-5 chains, 1 MW each throughout NY**

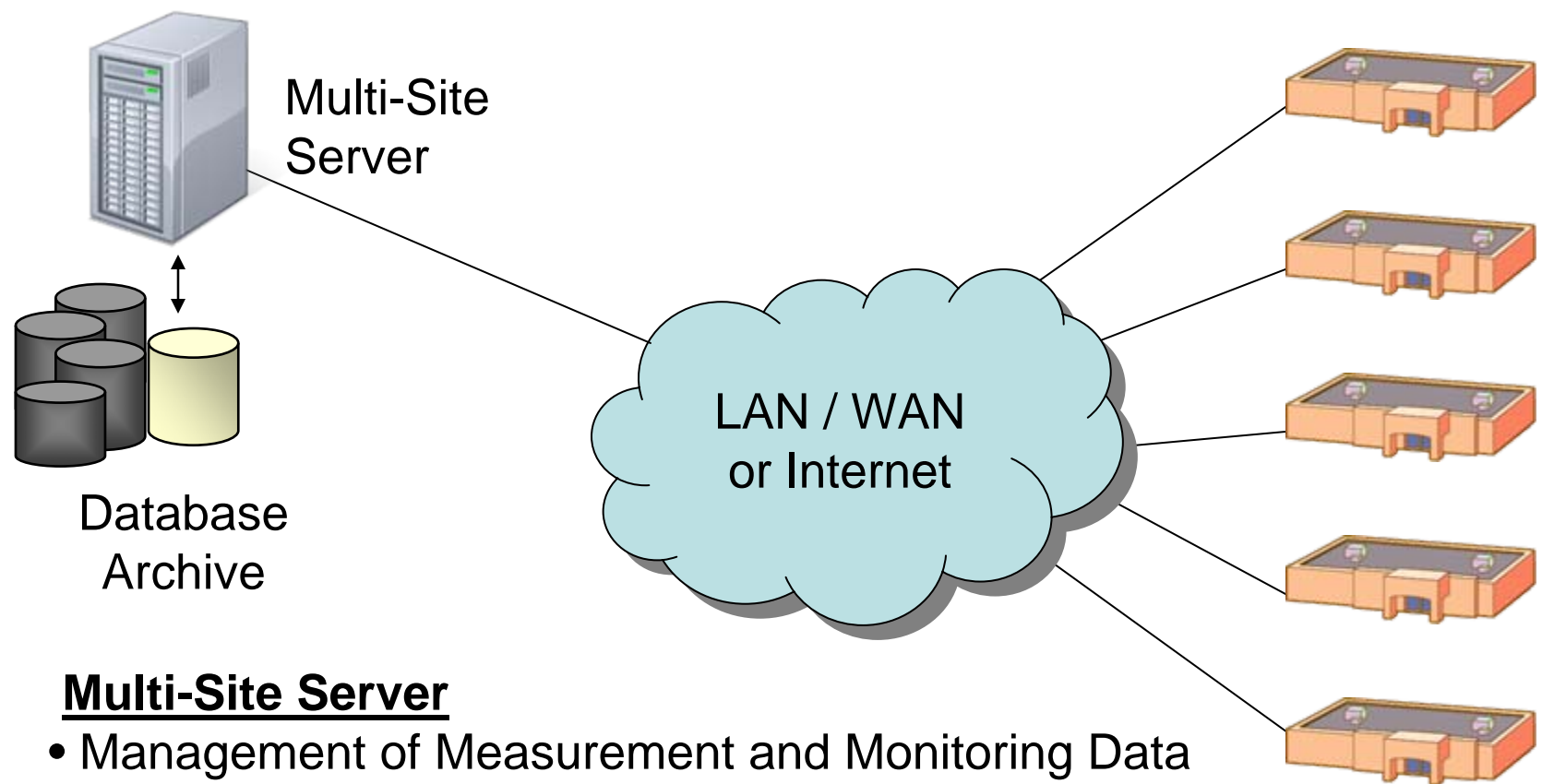


Load Reduction Strategies

- HVAC Load Reduction
- Lighting Load Reduction
- Plug Load Reduction
- Potential interactive effects between sites (portfolio management)



Multi-Site Architecture



Multi-Site Server

- Management of Measurement and Monitoring Data
- Initiate and Control Load Curtailment Strategy

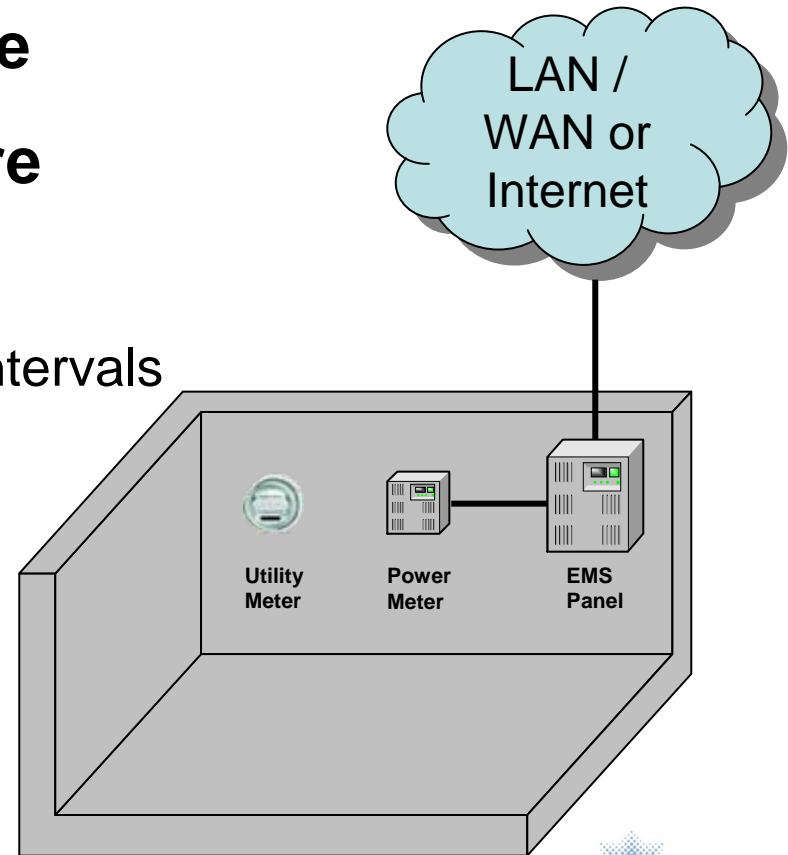


Measurement and Monitoring Strategy

Typical Site Architecture

Site Data Uploaded Daily

- Electrical Demand (kW) in 15 minute intervals



growing sustainable energy solutions™

Customer-Owned Power Meters

Power Meters in compliance with +/- 2% accuracy requirements

Typical Power Meter

- Veris Industries Model H8463
- Revenue Grade
- ANSI C12.16 compliant
- +/- 1% energy and power accuracy



Load Reduction Calculation Methodology

- APMD will be calculated as the **Coincident Peak** for all sites in an aggregation zone **(by Load Zone)**.
- For the initial Capability Period where historical interval data is not available, APMD based on engineering estimates.
- Once data is available, use actual interval data and aggregate.
- CMD will be calculated per site and aggregated.
- Performance will be aggregated per zone.
- **Energy Payment by CBL.**
- **Aggregations will only consist of one company's sites**

