

Demand-Side Management

Presentation for City of North St. Paul, MN
December 9, 2013

Intro to Demand-Side Management

- **Demand-side Management**
 - Modify or reduce their level and/or pattern of energy use during peak demand periods

- **North St. Paul**
 - Air conditioners and electric heaters
 - Looking at other municipal utilities

Video

<http://www.youtube.com/watch?v=-fzK0xoL36I&feature=youtu.be>

DSM in Action: Examples from Municipal Utilities

1. Worthington, MN (population: 12,870)

(Via 3rd party provider- Bright Energy Solutions)

- Home: EnergyStar appliance/lighting
- Targeted Energy Audits
- Commercial Heating/Cooling/Lighting
- Refrigeration, compressed air efficiency
- Custom Incentives & Specialty measures for business

DSM in Action: Examples from Municipal Utilities

2. Burlington, VT

- Fluorescent lamp leasing program
- Direct load control of water tanks
- Energy efficiency incentives in the building code
- One portion of program, “Top Ten,” aimed at the 10 largest energy users

DSM in Action: Examples from Municipal Utilities

3. Sacramento, CA

(Complete Energy Solutions Program)

- Residential, Commercial and Industrial retrofits
- R/C/I load management
- R/C/I equipment efficiency improvement
- R/C/I new construction, R/C thermal energy storage
- Total school energy management

Conclusion

Thank you!

Any questions?

References

<https://www.dom.com/about/conservation/smart-price-hm-faqs.jsp>

<http://web.ornl.gov/sci/ees/etsd/pes/pubs/3445603869133.pdf>

Link to Center for Energy & Environment DSM
manual for municipal utilities: <http://www.mncee.org/getattachment/e2681071-5d41-444b-a5f4-f6464fb6550c/>