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

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