Saving Energy in Food Service Businesses
Food Service Energy Leadership

- Studied 70 businesses in Twin Cities Metro
- Energy conservation and efficiency focus
- Benchmarking and tracking energy savings resulting from actions for 3 years.
- Site visits to identify opportunities
- Economic analysis of savings potential.
- Support to implement behavior based recommendations.
- Assistance with Custom and Prescriptive Rebate applications to utilities.
Restaurants are Energy Hogs

Average use for MN restaurants:
- $29,114 /yr
- 2.15 M kBtus /yr

Each restaurant is equivalent to:
- 20 Homes or
- 38 Cars on the road

HVAC 34%

Refrigeration 15%

Lighting 5%

Food Prep 37%

Water Heating 9%
Space Heating: 13%
Cooling: 11%
Food Prep: 26%
Refrigeration: 25%
Water: 17%
Lighting: 8%
Savings are Possible!

Savings in 2012: 18%, and over $7,000.

Savings from 2011-2012 Total over $12,000—the same as taking 18 cars off the road.
No heating load...
Add side panels, push back and center heavy equipment
Programmable thermostats
Water

- Low flow aerators and Pre-rinse Spray Valves
- Water Temp, insulation
- Dipper wells
- Dishwashers
- Leaks
Lighting

- T12s to T8s
- CFLs
- LEDs
- Storage areas
- CEE’s lighting program
Refrigeration

- Gaskets
- Door closers and strip curtains
- Close lids and doors
- Maintenance!
Food Preparation

- Shut off unused equipment
- Limit pre-heat time
- Buy energy star/efficient
- Behavior change is hard...
Ideas
 Employee Training
 Signage
 One-on-one training
 Bonuses/Awards
 Start up/Shut down checklist
 Opower Reports
 Talk about it!

How would you feel if someone turned you on and left the room?!!
Make smart purchases

$1,200 /year $400 /year

Yearly energy costs
Some key findings

- Barriers to Implementation
- Opportunity and interest is real
- Innovative program delivery needed
Looking for gas station/convenience stores statewide that would like a free audit.
Contact Information

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