Installing "Energy Smarts" as Part of Your Project:

Differentiate Yourself with Training and Behavioral Energy Management



Todd Rogers Energy Training Solutions <u>trogers@energytrainers.net</u> www.energytrainers.net We all live and work in buildings and Make Choices about How we use energy and We don't think too much about it

Research shows that these choices can impact energy use by 3%-20%

Our Habits Matter

Equipment + Human = Energy Choices Choices Consumption







Why You Want to Install Training:

- Low-cost insurance policy on your performance incentive
- Requirement when installing submeters
- Incorporates an important customer service component

Why Your Client Wants to Install Training:

Organizational sustainability goals

 Interest in resident involvement/employment

 Understands that periodic training leads to a persistence of savings

How will this guy screw up your savings?





You installed 0.5 gpm aerators in the bathroom. Maintenance is replacing with 2.2 gpm aerators. What's the difference?

\$2,170/year.













Heating/Cooling

Todd's List

- Periodic clean and tune
- Periodic recalibration of system controls
- **Recommissioning of building EMS**
- Steam trap maintenance/repair
- Clean furnace filters regularly
- Combustion safety testing
- Educate residents on temperature management

Recommended Illuminance Levels

| Building Area and Task | Footcandles |
|------------------------|-------------|
| Hallways | 5-10 |
| Stairwells | 3-5 |
| Lobby – Daytime | 20-30 |
| Lobby – Night | 5-10 |
| Community Room | 30 |
| Mechanical Room | 10-30 |
| Bathroom | 30-50 |
| Kitchen | 30-50 |



Electricity – Appliances

Todd's List

- Unplug refrigerators in vacant units
- Check/replace refrigerator gaskets
- Set fridges in the 'Smart Zone' 38°-40°
- Install vending misers on vending machines
- Encourage residents to wash and dry full loads only
- Encourage residents to wash clothes in cold water

How will these folks screw up your savings?



