Report leaks immediately
Fast Facts

• How many gallons of water can a leaking FAUCET waste in one month when dripping 60 times/minute?
  A. 260  B. 150  C. 50

  A faucet dripping once/second wastes 260 gallons/month

• How many gallons of water can a leaking TOILET waste in one month?
  A. 400  B. 1,000  C. 6,000

  A leaking toilet can waste 200 gallons/day or up to 6,000 gallons/month
We all know what to do....
But we rarely take these actions....
Consumption Behaviors Informed By.....

- Rational decision making
- Calculated information processing
  - saving costs on bills
  - “doing the right thing.”
These Don’t Work Well

If only people knew how much they’d save they would just do it.

You should save energy because it’s the right thing to do. It saves resources and protects our environment (on their own).

You should save energy because it’s the right thing to do. It saves resources and protects our environment (on their own).
Just Information Doesn’t Work Well

Brochures
Posters
Handouts
Commercials
Announcements
Power Point Presentations

(on its own)
People don’t seem to care about saving energy.

What can we do about that?
Our motivations are deeply influenced by cultural identity, social networks, relationships, affiliations, and emotional needs.
We are Moved by Unconscious Motivations

- Control
- Security
- Acceptance
- Love
- Safety
- Freedom
Strategies acknowledge and work with our behavioral biases such as.....

- Social Norming
- Loss Aversion
- Status Quo Bias
- Single Action Bias
Behavioral Energy Management reduces energy use by changing the behaviors of a building’s occupants.
Shut down computers. It saves money.

A. We could save $500 this year. Shut down computers at the end of the day.

B. Last year we lost $500 because we didn’t shut down computers.
Your Turn:

Hotel Towel Reuse
Public Housing Peer Energy Education Program

- Implemented as part of energy performance contract
- Savings guaranteed for programs
- Training program for staff and residents
- Resident educators provided one-on-one education to their neighbors
- Residents committed to specific actions
Water savings for 2014 were over $124,000.
I’LL Lend a Hand!
I commit to taking these energy and water saving actions.

(Check the actions you choose to take. See inside for more details.)

<table>
<thead>
<tr>
<th>WATER</th>
<th>ELECTRICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report water leaks/running toilets.</td>
<td>Turn lights off when going to bed.</td>
</tr>
<tr>
<td>Wash &amp; dry full laundry loads.</td>
<td>Turn lights off when you leave.</td>
</tr>
<tr>
<td>Don’t leave water running.</td>
<td>Use CFL (spiral) or LED bulbs.</td>
</tr>
<tr>
<td></td>
<td>Turn off TV’s and electronics</td>
</tr>
<tr>
<td></td>
<td>Enable computer power savings settings</td>
</tr>
<tr>
<td></td>
<td>Cut off energy vampires</td>
</tr>
<tr>
<td></td>
<td>Set refrigerator at 40° and freezer at 0°</td>
</tr>
</tbody>
</table>

HEATING
- Turn down heat when going out
- Close doors and windows tight.
- Dress for the season.
- Turn down heat at bedtime.

Signed:
What Can You Do to Lend a Hand?
You can choose any of these easy actions

**WATER**
- Immediately report water leaks & running toilets to maintenance
- Wash and dry full loads of laundry.
- Turn off the water while brushing, shaving, and soaping up.

**ELECTRICITY**
- Turn lights off when you leave the room and when you go to bed.
- Use CFL (spiral) or LED bulbs, which run on 1/4th the energy of regular bulbs!
- Turn off TV’s and other electronics when you are not using them.
- Set your computer to go into ‘sleep mode’ after several minutes. Screensavers are not energy savers — disable them.

**HEATING**
- Turn down the heat when you go out and when you go to bed
- Dress for the season!
- Latch all windows and close doors tightly when heating.

**CUT OFF ENERGY ‘VAMPIRES’**
These use power even when they are off. Unplug them or use a power strip:
- Computers, printers, modems, routers
- Set top (cable) boxes, TVs, DVD Players, DVRs
- Anything with a light or readout that stays on all the time
Your thermostat is pre-set to use ENERGY STAR program settings. We recommend these settings since they can reduce your heating/cooling costs by as much as 24%.

How to Operate Your Thermostat

To set time and day
1. Press SET
2. Press ▲ ▼ to set time
3. Press SET
4. Press ▲ ▼ to select day
5. Press OK to save & exit

To set program schedule
1. Press SYSTEM switch to Heat or Cool
2. Press SET until Set Schedule is displayed
3. Press ▲ ▼ to set Mon-Fri Wake time, then press SET
4. Press ▲ ▼ to set Mon-Fri Wake temperature, then press SET
5. Repeat steps 3-4 to set Leave/Return/Sleep time periods
6. Repeat steps 3-4 to set Off-Sun time periods
7. Press OK to save & exit

To override program schedule
- Press ▲ ▼ to change temp for this time period only
- Press ■■■■, ▲ ▼ to change temp for all time periods
- Press OK to cancel changes & resume schedule

Digital display
- Set: Press to set time/day schedule
- Hold: Press to override programmed temperature control
- Run: Press to resume program schedule

System switch
- Cool: Thermostat controls only the cooling system.
- Heat: Thermostat controls only the heating system.
- Off: Heating and cooling systems are off.

Fan switch
- On: Fan runs continuously.
- Auto: Fan runs only when heating or cooling system is on.

Low battery warning
- Current inside temperature
- Current program period
- Wake/Leave/Return/Sleep
- System status
- Heat On/Cool On

Current day/time
- Temperature setting
- 75°
- 6:30 AM
The POWER is in YOUR HANDS...

...To Save Energy & Water in Your Home!
Using this HANDY guide...
Saves you money
Hands SFHA more funds for improvements
Hands your children a better world

San Francisco Housing Authority
JFK Towers

Ameresco
Questions?
Comments?

Thank You
Todd Rogers
Energy Training Solutions
trogers@energytrainers.net
www.energytrainers.net