

Opportunities for Energy Efficiency in Hotels
Where are the Savings...!?

**Greater Boston Energy Efficient
Hotels Conference**

Boston, December 2012

Sneha Sachar
Program Strategy Lead
National Grid

General Energy Use Profile in Hotels

Cooking

Heating

Refrigeration

Office Equipment

Water Heating

Lighting

Ventilation

Cooling

**Water-heating and
lighting account for**

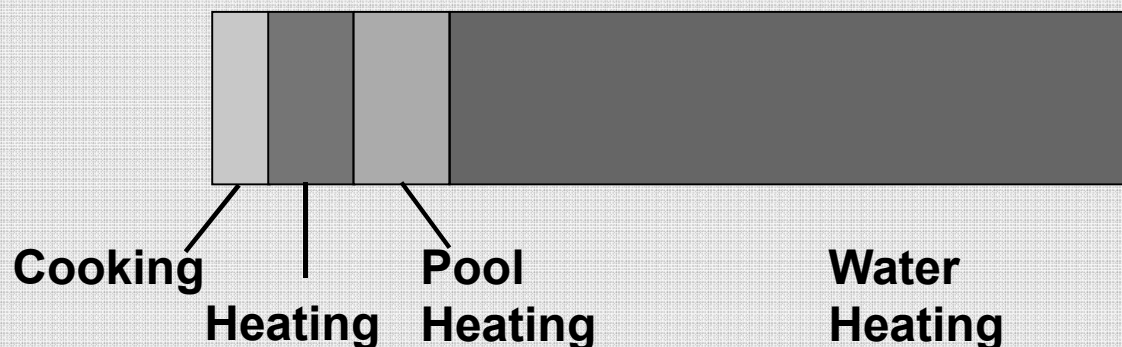
~ 67%

of the energy
consumption in US
hotels & motels.²

Gas Efficiency

- **Among National Grid's commercial customers, Hotels represent one of the highest Gas savings potential per Customer account***

- **Relative opportunities for Gas savings:**

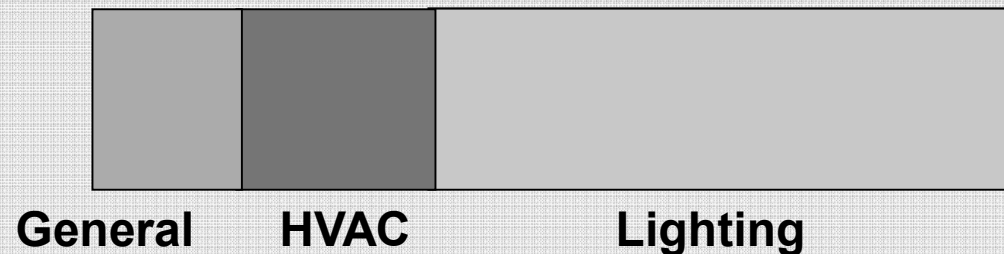


* Cumulative savings potential for Hotels divided by number of Customer accounts for Hotels

Electric Efficiency

- **Hotel electricity use can be reduced by up to 75% with energy efficient lighting solutions**

- **Relative opportunities for Electric savings:**



National Grid's Efficiency Solutions for Hotels

<i>Categories</i>	<i>Some examples...</i>
LIGHTING	Fixtures Lamps Controls Signage
BOILERS, WATER HEATING, AND LAUNDRY	Hot water boilers Space heating boilers Pipe insulation
HVAC	Occupancy Sensors Demand Control Ventilation Heat pumps Packaged A/C VFDs and motor upgrades
FOOD SERVICES & REFRIGERATION	Commercial kitchen equipment rebates Walk-in freezers/ coolers Ventilation controls Vending Misers
GENERAL IMPROVEMENTS	Envelope insulation Window retrofits/ improvements High efficiency appliances

Simple strategies...

- Start with the simple measures first; renewables later
- No excuse for not having efficient lighting!
- Controls, controls, controls - save money and make it more comfortable for guests
- Hood controls in the kitchen
- Demand Control Ventilation for conference rooms
- Bundle a mix of projects for a more favorable ROI
- If unsure of opportunities, contact us for a TA study and learn the issues and opportunities in your property

For more information:

National Grid Customers

Energy Efficiency Program Information: **1-800-787-1706**

Email: efficiency@nationalgrid.com

<https://www1.nationalgridus.com/EnergyEfficiencyPrograms>

ALL Customers

<http://www.masssave.com/contact>