



# Energy Efficiency

2011 Competitive Retailer  
Appreciation Meeting

## Overview

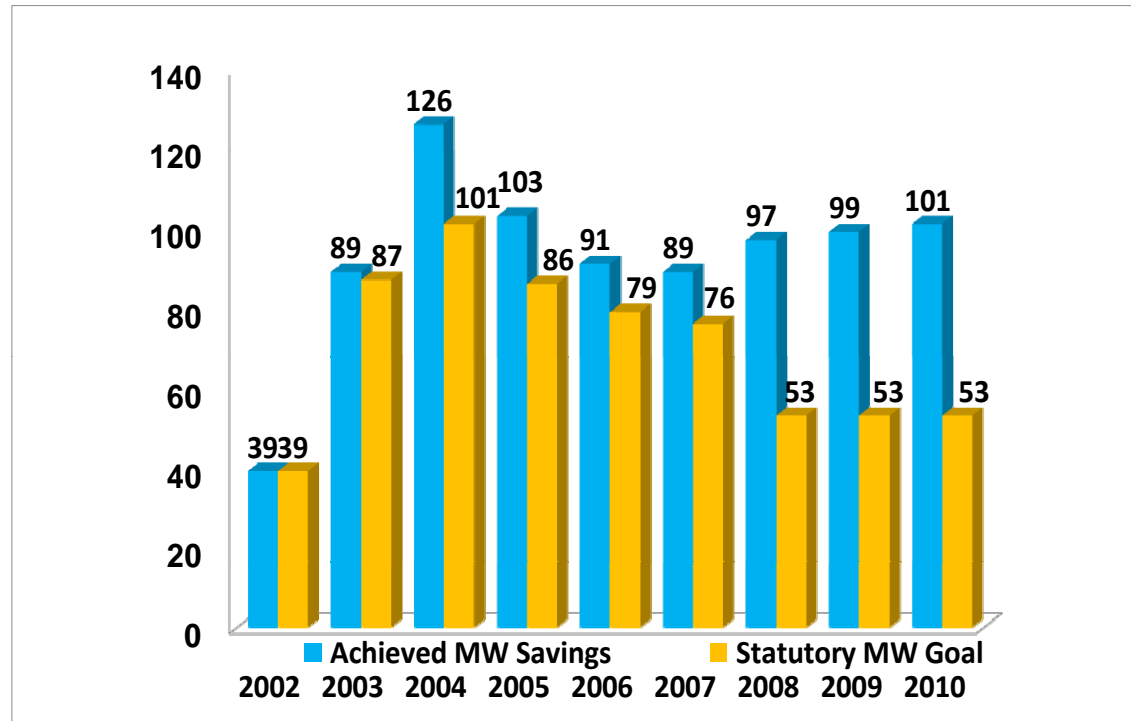


- **Oncor is committed to promoting energy efficiency to assist consumers in managing their energy consumption, which impacts both the environment and their electricity bills.**
- **In 2011, Oncor will invest approximately \$75 million in energy efficiency programs.**
- **Oncor's commitment to energy efficiency makes it the leading investor in Texas.**
- **According to the Department of Energy (2010), Oncor is ranked 18<sup>th</sup> nationally in spending for energy efficiency programs.**
- **Since 2002, over 654,000 customers have participated in Oncor's programs.**

# Energy Efficiency Programs



- Spent over \$388 million
- Reduced over 835 MW of peak demand and saved approximately 2.1 million MWhs
- Annual greenhouse gas emission reductions equal to removing over 281,000 cars from Texas highways



2002	2003	2004	2005	2006	2007	2008	2009	2010
\$22M	\$38M	\$60M	\$50M	\$29M	\$46M	\$54M	\$48M	\$41M

# Energy Efficiency Programs



- **Twenty-nine programs that target these markets:**
  - **Residential**
  - **Commercial**
  - **Educational**
  - **Government**
  - **Nonprofit**
  - **Worship Facilities**
  - **Consumer Outreach - Take A Load Off, Texas<sup>®</sup>**



### Insulation

Heating and cooling account for 50 to 70% of the energy used in the average American home. Reduce energy loss by properly insulating your home. [Learn More](#)

1 2 3 4 5

**Oncor offers several energy efficiency incentive programs.** These programs help residential consumers, business owners and government and educational facilities help jump-start their energy efficiency efforts.

**SHARE WITH FRIENDS AND FAMILY**



### BUSINESSES

Our commercial audit program will provide businesses ways to be more energy efficient! [Learn More](#)

**UPCOMING EVENTS**



**March 20, 2010**  
**Dogwood Trails Festival**

Even pint-size Texans can learn to save energy. Bring your little...

**March 20, 2010**  
**Green Consumer Fair**

How high is your I.Q.? Test your energy saving I.Q. at Oncor's Take...

[View All Events](#)

### ONCOR EFFICIENCY FAQs

OUR EXPERTS ANSWER VALUABLE ENERGY EFFICIENCY QUESTIONS. >

### ENERGY EFFICIENCY TIPS

#### Heating & Cooling

Set thermostats to 78 degrees Fahrenheit or higher in the summer; if it is not too cold, set at 68 degrees for the winter.

[Learn more](#)

### LIVINGWISE®

Oncor's LivingWise program educates sixth-grade students about using energy and water more efficiently. [Learn More](#)

### CONTACT US

LET US KNOW HOW WE CAN HELP YOU BE MORE ENERGY EFFICIENT! >

### IN THE COMMUNITY

[View Gallery](#)

# Oncor Headquarters Sustainable Building Practices



- Completed a comprehensive energy audit to identify efficiency improvement opportunities
- Implemented efficiency measures to reduce annual electricity consumption by approximately 2 million kWh and peak demand by 20%
- Energy contract includes 30% renewable energy credit
- Reduced water consumption by 43%
- 303 tons of construction demolition waste was recycled and diverted from landfill
- Currently pursuing LEED Gold certification
- 5 electric vehicle charging stations
- 15% recycled content in new materials
- 20% of new material manufactured within 500 miles



# Comprehensive Energy Evaluation



A comprehensive energy audit was completed prior to demolition beginning. The review suggested the following energy efficiency measures be implemented.

Measure	Summer kW Reduction*	Annual kWh Savings*	Implemented?	Comments
Lighting retrofit	207.6	841,598	Yes	LED and halogen fixtures
Chiller replacement	215.2	536,496	Yes	Replaced 3 of 5 (900 tons)
Energy Star roof	28	18,709	Yes	
Parking garage lights	12.8	112,303	Yes	
Occupancy sensors	0	29,463	Yes	
Window film	81.6	98,076	Yes	
<b>Total</b>	<b>545.2</b>	<b>1,636,645</b>		

\* Estimated savings based on preliminary modeling

# Energy Star Roof



Reflective surface reduces absorption of solar energy and transmission of the energy into the interior of the building



Original Roof



# Lighting Retrofit



The original lighting consisted of fluorescent and incandescent fixtures. The fixtures were replaced with high efficiency LED and halogen fixtures.



# Chiller Replacement

Three chillers, representing 900 tons of cooling capacity were replaced with high efficiency chillers, saving approximately 540,000 kWh and reducing peak demand by 215 kW



# Parking Garage Lighting



Metal halide and mercury fixtures have been replaced with LED lighting

## Summary



- **Oncor continues to demonstrate its commitment to energy efficiency**
- **Oncor has tools to help you with your customer's needs**
- **Programs for every customer segment**



**Questions?**