



2010 Commercial Energy Audit Program

February 1, 2010

Take A Load Off, Texas® is provided by Oncor Electric Delivery LLC as part of the company's commitment to reduce energy consumption and demand. Nexant, Inc. implements the Commercial Energy Audit Program as an independent contractor. For more information, visit www.takealoadofftexas.com.



Commercial Energy Audit Program (CEAP)

- Key Staff
- Program Goals
- Program Overview
- Eligibility
- Energy Efficiency Measures
- Program Process
- Audit Reports
- Summary Table
- Contact Information



Key Staff

- Amanda Townsend – Oncor Program Manager
astownsend@geavistagroup.com
(214) 302-8155
- Richard Rusk – Project Manager
rrusk@nexant.com
(713) 982-5547
- Ani Duttagupta – Project Administrator
aduttagupta@nexant.com
(713) 982-5560



Program Goals

The goals of the Commercial Energy Audit Program are to:

- Identify energy efficiency measures that can help reduce summer peak demand at commercial, governmental, nonprofit, and academic facilities receiving service from Oncor
- Achieve customer energy and cost savings
- Encourage adoption of energy-efficient technologies
- Stimulate investment in energy efficient measures
- Develop a network of Oncor incentive-oriented energy audit service providers



Program Overview

The Program provides energy audits to the following groups of customers that receive service from Oncor:

- Commercial
- Governmental (including state, county, and city facilities)
- Nonprofit
- Academic

Each audit is designed to identify:

- Areas of high energy consumption
- Opportunities for energy efficiency improvements
- Financial impacts
- Achievable energy savings



Program Overview

An energy audit is provided at no cost to the following Oncor customers:

- Governmental
- Nonprofit
- Academic
- Commercial with less than a 250 kW peak demand

Commercial customers whose highest monthly demand is above 250 kW must contribute 50 percent of the total costs for the audit to participate in the program according to the following schedule:

Facility floor area	Cost to customer
≤250,000 sq ft	\$3,175
>250,000 sq ft	\$4,000



- All commercial, governmental, nonprofit, and academic customers that receive service from Oncor are eligible to apply for this Program.

Note: The third through seventh digits of the ESI ID number for Oncor customers are “44372” or “17699”.

- Selected applicants will have the following attributes:
 - High Energy Utilization Index (EUI)
 - Opportunity and budget for energy efficiency improvements
 - Management’s commitment to implementation of energy efficiency measures



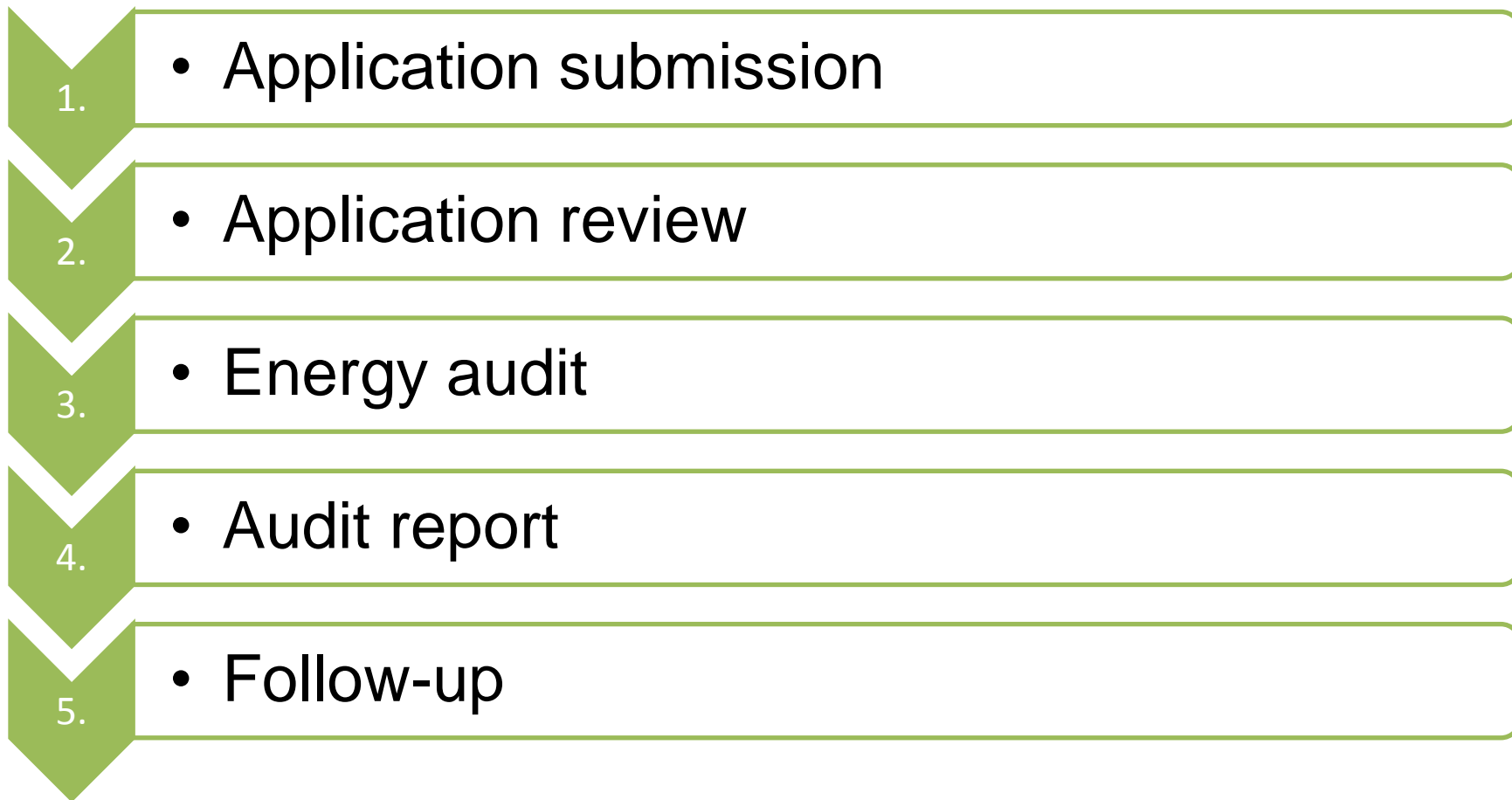
Energy Efficiency Measures

Examples of Energy Efficiency Measures :

HVAC	Lighting
Compressors	Controls
Constant air to variable airside conversion	Cooling towers
Water heating heat pumps	Window replacement or film
Fan and pump motors	Cool roof
Energy recovery	Renewable energy



Program Process





Program Process

1. To participate, customers must complete the Program Application and Agreement and submit it with the past 12 months of electric bills to the Program Implementer (PI), Nexant.
2. The PI will review the application to ensure that the facility presents a significant opportunity for energy and peak demand savings.
3. An energy audit will be conducted at the site by the PI or a Qualified Service Provider (QSP)*.
4. An Energy Audit Report is generated and will identify Energy Efficiency Measures (EEMs) and recommendations that will reduce peak period electrical demand and annual energy use.
5. Six months later the PI will follow up with the customer and check the status of implementation of the recommendations.

*** Please contact with the PI for information on becoming a Qualified Service Provider**



Executive Summary

Purpose and Next Steps

Snapshot of Applicable Incentive Programs

Summary of Findings and Summary Table

Utility Bill Analysis

Facility Description

Energy Efficiency Measures

Existing and Proposed Conditions

Savings and Cost Calculation Method

Estimated Incentive

Simple Payback Period



Summary Table

<p style="text-align: center;">Summary Table Oncor Commercial Energy Audit Program Project: C2009-000 Sample Customer</p>									
No.	Measure Description	Savings				Installed Cost	Oncor Incentive Program	Estimated Oncor Incentive	Simple Payback Period
		Peak Summer kW	kWh/yr	\$/kWh	\$/yr	\$		\$	Years
1	Replace Parking Garage Lamps	12.80	112,303	\$0.1100	\$ 12,353	\$ 67,776	LED Lighting	\$ 25,666	3.40
2	Replace Interior Lamps	207.60	841,598	\$0.1100	\$ 92,576	\$ 601,304	Commercial	\$ 60,598	5.80
3	Replace Exterior Lights	0.00	39,197	\$0.1100	\$ 4,312	\$ 20,939	LED Lighting	\$ 7,839	3.00
4	Install Occupancy Sensors	0.00	29,463	\$0.1100	\$ 3,241	\$ 6,562	Commercial	\$ 1,591	1.50
5	Install Window Film	101.00	121,304	\$0.1100	\$ 13,343	\$ 122,672	Commercial	\$ 25,965	7.20
6	Replace Chillers and Reset Chilled Water Temperature	215.20	536,496	\$0.1100	\$ 59,015	\$ 778,340	Commercial	\$ 111,511	11.30
7	Unoccupied Hours Temperature Setback	0.00	165,442	\$0.1100	\$ 18,199	\$ 15,000	Commercial	\$ 4,798	0.56
Total		536.60	1,845,804		\$ 203,038	\$ 1,612,592		\$ 237,967	6.80



New Feature!

An RFQ has been released as of February to Service Providers interested in participating in the Commercial Energy Audit Program. Service Providers will be selected based on:

- Experience conducting energy audits (i.e., ASHRAE level I and II)
- Experience drafting audit reports and calculating savings
- Resources available to conduct audits
- References
- Overall ability to perform requested services

To receive a copy of the RFQ, contact Richard Rusk to be placed on the distribution list.



Contact Information

Richard Rusk

Nexant, Inc.

c/o Oncor's Commercial Energy Audit Program

1331 Lamar St., Suite 1575

Houston, TX 77010

Tel: 713-982-5547

Fax: 713-739-0741

commercialauditprogram@nexant.com