

Energy Efficiency Services

Commercial Energy Audits

Commercial energy auditors utilize state of the art technology in identifying the energy efficiency of a business. The equipment used in these audits are highly specialized scientific instruments that measure where energy in the form of heated or cooled air, or electricity is being lost or wasted. Blower door motors, where applicable, create either a vacuum or pressurized space to identify air leakage. Duct pressurization equipment, where applicable, is used to identify where heat or cold air may be lost in the duct system. A thorough review of HVAC equipment and operating condition is performed. Infrared and thermal image scanning cameras help to capture precisely where energy is escaping. An audit of all lighting, equipment and controls is taken to identify opportunity for significant savings from lighting upgrades, occupancy and daylight sensing technology. Custom building energy management software is utilized to diagnose, document and solve energy performance problems in buildings. The results of the energy audit are documented in detailed reports, including financial analysis of each investment required to assist the customer with prioritizing expenditures to obtain the quickest possible return on investment.

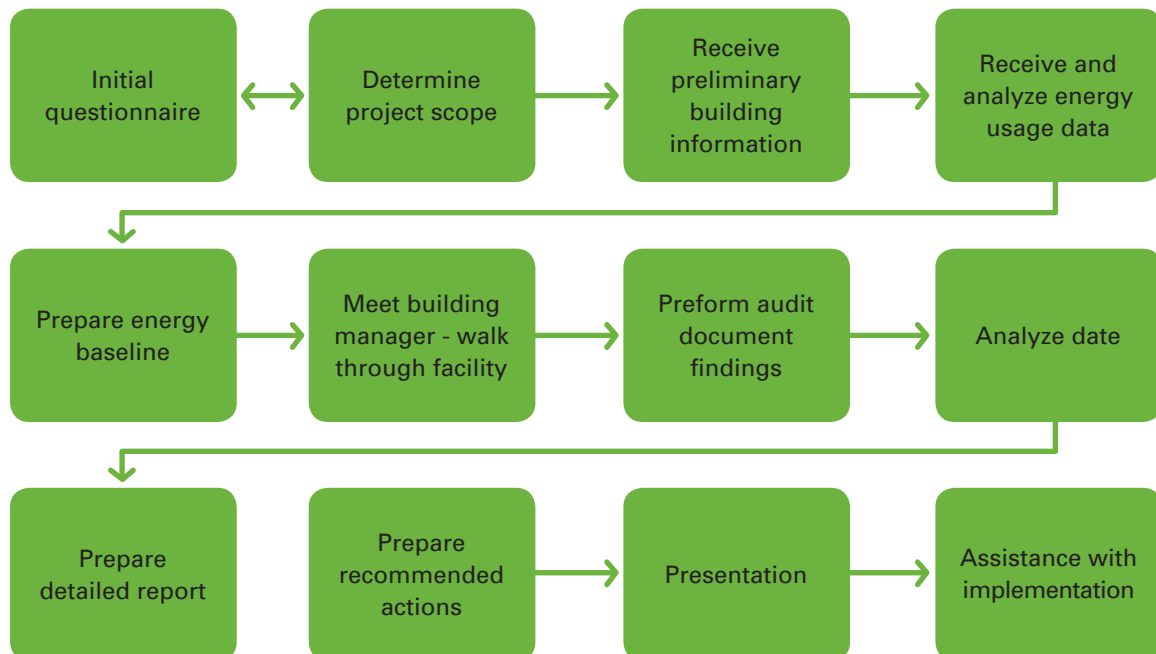
Focus Areas

- Electricity usage
 - Lighting
 - Office electronics
- Heating, cooling and ventilation systems
- Temperature controls
- Building envelope and thermal barrier

Deliverables

- Utility analysis
- Energy conservation report
- Thermal imaging photos and reports
- Lighting audit and analysis
- Recommendations report
- Financial analysis with ROI

Energy Audit Process



Energy Efficiency Improvement Services

New Edison Energy provides several services to improve energy efficiency

- Air leak sealing
- Duct leak sealing
- Heating, cooling, ventilation, temperature controls
- Lighting retrofits and controls including occupancy and daylight sensors
- Insulation improvements
- Review of and recommendations for energy related policies and procedures

Many of the capital investments made for energy efficiency improvements have a payback in energy savings of less than one year.

LED Lighting

Equipping a commercial building with LED lighting provides many benefits:

- Energy efficiency – up to 90% less power consumption
- No radiant heat created, accounting for 11% savings on air conditioning
- Long life – 50,000 hours (12 years at 12 hours per day)
- 100% green. No mercury, no disposal issues
- Unbreakable polymer shell. No need to stock spares
- **Average of 1.59 years ROI**
- No UV generated which will degrade merchandise, furniture or equipment
- Consistent brightness across 12 years – L70
- Quality of light is better than fluorescent due to higher CRI
- Tremendous reduction in maintenance costs – eliminate for 12 years due to longer life
- No harmful EMI (electro magnetic interference) causing health issues

New Edison Energy is a Distributor for Borealis LED Lighting

Inquire about the many types of LED lighting available including:

- A full range of LED PAR lamps
- LED light panels
- Street lighting
- LED light panels
- T8 LED Tube Lights (UL approved)
- High Bay Lighting
- Low Bay Lighting

