

Electronic Handbook of Industrial Resources

FLORIDA



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November 2010

Introduction

This resource provides a comprehensive listing of incentives, tools, and resources for industrial manufacturing energy efficiency in the state of Florida. It is organized according to industrial system and features information on rebates, waived fees, tax credits, loans and other resources such as analysis tools, education and training programs, and energy assessments. It is based on data available in the *States Incentives and Resources Database*, maintained by the U.S. Department of Energy's (DOE) Industrial Technologies Program (ITP).

The *States Incentives and Resources Database* is a comprehensive searchable online database of approximately 3,100 energy efficiency incentives organized by state. The database is updated regularly and is accessible via the *Save Energy Now* State and Regional Partnerships' Web site:

http://www1.eere.energy.gov/industry/states/state_activities/incentive_search.aspx



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State Industrial Overview

Florida has a total of 18.5 million residents and ranks 4th in the nation in terms of GDP, which is \$744.1 billion. The state is home to 16 Fortune 500 companies. In 2008, Florida ranked 19th in the nation's industrial energy consumption at 539.8 trillion Btu and 29th in the nation's industrial natural gas consumption at 71.4 trillion Btu.¹

Florida generates more petroleum-fired electricity than any other state in the United States. Florida's location puts it at risk for large power outages during storm seasons, some geologists speculate there are large oil and gas deposits off of Florida's coast in the Federal Outer Continental Shelf.²

Exhibit 1 below compares the industrial energy consumption in Florida in relation to the national average. The chart in Exhibit 2 is a visual representation of the same data.

Exhibit 1: Total Industrial Energy Consumption Statistics in Florida

Year	Florida Energy Consumption (Trillion Btu)	National Average (Trillion Btu)
2000	612.9	680.2
2001	576.9	642.8
2002	548.9	642.0
2003	564.8	639.6
2004	555.6	658.7
2005	561.2	696.7
2006	577.2	636.6
2007	555.6	637.0
2008	539.8	614.8

Source: http://www.eia.doe.gov/emeu/states/sep_use/ind/use_ind_fl.html

Florida at a Glance

State Information

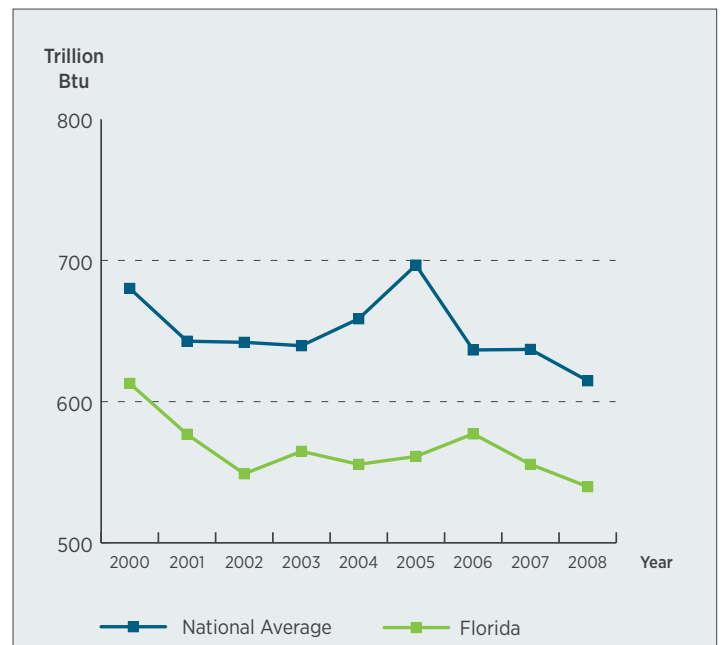
2009 Population (Million)	18.5
2008 GDP (Billion)	\$744.1
Rank by GDP	4

Energy Statistics

Total Energy Consumption 2008 (Trillion Btu)	4,447.4
Total Industrial Energy Consumption 2008 (Trillion Btu)	539.8
Total Industrial Energy Consumption Rank	19
Total Industrial Electricity Use 2008 (Trillion Btu)	64.6
Total Industrial Electricity Use Rank	19
Total Industrial Natural Gas Use 2008 (Trillion Btu)	71.4
Total Industrial Natural Gas Use Rank	29

Source: http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=FL

Exhibit 2: Total Industrial Energy Use



Federal and National Industrial Energy Efficiency Programs

In addition to the state level programs outlined in more detail in section III there are many government and non-government organizations that have resources to assist industry in the western region to utilize energy more effectively. Financial and technical resources are available from federal agencies, national laboratories, utilities, utility associations, industrial organizations, energy efficiency organizations, state energy offices, energy services companies, non-profits or non-governmental organizations, foundations, and private companies.

ITP is one such program that provides industrial manufacturers across the country with a variety of energy efficiency tools, resources, and incentives. ITP is a prime example of DOE's commitment to improving the energy efficiency of industrial operations in the United States. ITP is a multi-faceted outreach and deployment initiative designed specifically for industrial manufacturers. ITP supports research and development of energy efficient technologies, provides industry with energy management and assessment tools, resources, and information. It also provides no-cost energy assessments to industrial plants of all size.

Several other federal agencies offer energy efficiency incentives in addition to the multitude of DOE resources. Internal Revenue Service, for instance, provides tax incentives to industrial manufacturers that implement energy efficiency projects. In addition, the U.S. Environmental Protection Agency provides loans on new energy efficient construction and incentives on the implementation of combined heat and power systems. Finally, the U.S. Department of Agriculture is another federal agency that provides incentives to rural and small industrial operations seeking to become more energy efficient.

State Incentives by Industrial System

Industrial Systems General

Business Energy Audits

JEA provides commercial customers the opportunity to receive free-of-charge, business energy evaluations.

For More Information:

<http://www.jea.com/community/con-servcenter/tools/businessaudit.asp>

Sponsor: JEA

Sponsor Type: Utility

Business Energy Check

Progress Energy-Florida's Business Energy Check is a tool businesses can use to identify opportunities to reduce energy costs. Upon completion the tool provides a report with recommendations.

For More Information:

<http://www.progress-energy.com/custservice/flabusiness/efficiency/CA/index.asp>

Sponsor: Progress Energy-Florida

Sponsor Type: Utility

Business Energy Evaluation

Florida Power and Light (FPL) Business Energy Evaluation is a free, comprehensive review of a facility's energy usage that can help businesses make informed, cost-effective decisions that will save money. Whether businesses are updating equipment, renovating, or building a new facility, FPL can provide the information they need.

For More Information:

http://www.fpl.com/largebusiness/savings/business_energy_evaluation.shtml

Sponsor: Florida Power and Light

Sponsor Type: Utility

Commercial Energy Audit

Tampa Electric provides commercial energy audits to identify potential energy-saving opportunities.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/energyaudit/>

Sponsor: Tampa Electric

Sponsor Type: Utility

Commercial Energy Audit Analysis

Electric and gas utility deregulation can potentially result in significant cost savings for industrial and commercial customers. Gulf Coast Electric Coop has the capabilities and expertise to perform measurement and verification of energy conservation in retrofitted facilities. The utility performs measurement and verification for various energy consuming equipment including lighting, HVAC equipment, and motors.

For More Information:

<http://www.gcec.com/services.aspx?id=52>

Sponsor: Gulf Coast Electric Coop, Inc.

Sponsor Type: Utility

Commercial Energy Audits

Lakeland Electric provides financial assistance for businesses conducting a Commercial Energy Audit. The utility offers a rebate of 50% of cost of the audit, or up to \$2,000 per customer.

For More Information:

<http://www.lakelandelectric.com/Business/CommercialIndustrialInstitutional/ProductsServices/EnergyEfficiencyPrograms/tabid/105/Default.aspx>

Sponsor: Lakeland Electric

Sponsor Type: Utility

Commercial Energy Calculator

The Commercial Energy Calculator provides estimates of energy usage and costs based on your inputs. It also presents a comparison of three efficiency levels for each calculation.

For More Information:

<http://chelco.apogee.net/comcalc/>

Sponsor: Chelco

Sponsor Type: Utility

Commercial Energy Calculator

Customers can estimate their commercial energy usage costs based on their inputs and learn how demand impacts their electricity costs.

For More Information:

http://www.chelco.com/commercial/save_money_energy/commercial_energy_calculator.htm

Sponsor: Choctawhatchee Electric Coop, Inc.

Sponsor Type: Utility

Commercial Energy Calculator

The Commercial Energy Calculator provides estimates of energy usage and costs based on your inputs. It also presents a comparison of three efficiency levels for each calculation.

For More Information:

<http://fpuc.apogee.net/comsuite/biz-frame.aspx?url=/comcalc>

Sponsor: Florida Public Utilities

Sponsor Type: Utility

Commercial Energy Survey

A state certified commercial energy advisor will conduct a free onsite energy audit for businesses.

For More Information:

<http://www.lcec.net/energysurvey/>

Sponsor: Lee County Electric Cooperative, Inc.

Sponsor Type: Utility

Commercial Energy Surveys

Orlando Utilities Commission will provide free energy surveys for commercial customers.

For More Information:

http://www.ouc.com/en/commercial/ways_to_save/energy_and_water_surveys.aspx

Sponsor: Orlando Utilities Commission

Sponsor Type: Utility

Commercial Energy Systems Library

This library provides in-depth information on various commercial energy systems, building designs, and energy technologies.

For More Information:

<http://chelco.apogee.net/ces/>

Sponsor: Chelco

Sponsor Type: Utility

Commercial Energy Systems Library

This library provides in-depth information on various commercial energy systems, building designs, and energy technologies.

For More Information:

<http://fpuc.apogee.net/comsuite/biz-frame.aspx?url=/ces>

Sponsor: Florida Public Utilities

Sponsor Type: Utility

Energy Audit

A Florida Keys Electric Cooperative Member Service Representative will come to your business and perform a free energy audit.

For More Information: <http://www.fkec.com/Green/energy.cfm>

Sponsor: Florida Keys Electric Cooperative

Sponsor Type: Utility

Energy Efficiency Services

Progress Energy-Florida provides low-cost, energy-saving inspections and services for new construction and retrofit from Progress Energy's energy efficiency experts. Find information, rebates and rate incentives for building envelope equipment, HVAC systems, and indoor lighting.

For More Information:

<http://www.progress-energy.com/customer/flacig/efficiency/index.asp>

Sponsor: Progress Energy-Florida

Sponsor Type: Utility

Energy Efficient Motors

The Energy Efficient Motors program provides industrial and commercial customers with an incentive to implement energy efficient motors from 1 to 500 hp.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/energyefficientmotors/>

Sponsor: Tampa Electric

Sponsor Type: Utility

Energy for Life Commercial Building

The Energy for Life Commercial Building Program offers facilities free incentives such as energy calculations, design assistance, lighting and equipment selection, and energy star and/or green building certification.

For More Information:

<http://www.fpuc.com/electric/rebate-selc.asp>

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Energy Tips

Gulf Power offers extensive resources on energy efficiency for your business, building, roof, boilers, HVAC, lighting, motors, roof, water heaters, office equipment, maintenance, and more.

For More Information:

http://www.gulfpower.com/energy_tips/tips.asp

Sponsor: Gulf Power
Sponsor Type: Utility

GRU's Customized Business Rebate

Gainesville Regional Utilities (GRU) offers a customized rebate that lets business customers decide where best to save energy in their business. Program provides up to \$100,000 or 50% of project implementation cost, whichever is less.

For More Information:

<http://www.gru.com/YourBusiness/Conservation/Energy/Rebates/customRebate.jsp>

Sponsor: Gainesville Regional Utilities
Sponsor Type: Utility

Constellation NewEnergy Online

This is an energy-management tool that is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve a company's energy efficiencies, track changes in a company's usage, and compare usage across multiple facilities.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.987b194dd5e782ce18a805e4da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Energy Efficiency Projects

Constellation Energy Projects Services provides solutions designed to achieve energy goals and promote a sustainable future by offering an extensive array of products and services.

For More Information:

<http://www.newenergy.com/portal/site/cne/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Lighting

Commercial Energy Audit Analysis

Electric and gas utility deregulation can potentially result in significant cost savings for industrial and commercial customers. Gulf Coast Electric Coop has the capabilities and expertise to perform measurement and verification of energy conservation in retrofitted facilities. They perform measurement and verification for various energy consuming equipment including lighting, HVAC equipment, and motors.

For More Information:

<http://www.gcec.com/services.aspx?id=52>

Sponsor: Gulf Coast Electric Coop, Inc.
Sponsor Type: Utility

Commercial Indoor Lighting

The commercial Indoor Lighting Program offers a rebate of up to \$100 for each kilowatt reduction in energy efficient upgrades of indoor lighting.

For More Information:

<http://www.fpuc.com/electric/rebate-selc.asp>

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Commercial Lighting Rebate Program

Lakeland Electric's Commercial Lighting Rebate Program provides a rebate of up to \$200 for the installation of compact fluorescent or LED lighting. After a thorough commercial energy audit, Lakeland Electric will make recommendations for lighting improvements.

For More Information:

<http://www.lakelandelectric.com/Business/CommercialIndustrialInstitutional/ProductsServices/EnergyEfficiency-Programs/tabid/105/Default.aspx>

Sponsor: Lakeland Electric
Sponsor Type: Utility

Commercial/Industrial Indoor Lighting

Tampa Electric offers incentives for upgrading permanent lighting at a facility (this must include fixtures and not just lamps), both in conditioned and unconditioned spaces.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/indoorlighting/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Energy Efficiency Services

Progress Energy-Florida provides low-cost, energy-saving inspections and services for new construction and retrofit from Progress Energy's energy efficiency experts. Find information, rebates, and rate incentives for building envelope equipment, HVAC systems, and indoor lighting.

For More Information:

<http://www.progress-energy.com/customer-service/flacig/efficiency/index.asp>

Sponsor: Progress Energy-Florida
Sponsor Type: Utility

Energy for Life Commercial Building

The Energy for Life Commercial Building Program offers facilities free incentives, such as energy calculations, design assistance, lighting and equipment selection, and energy star and/or green building certification.

For More Information:

<http://www.fpuc.com/electric/rebate-selc.asp>

Sponsor: Florida Public Utilities
Sponsor Type: Utility

GRU's Exit Sign Replacement

Receive a rebate for up to \$75 from GRU for each LED exit sign installed.

For More Information:

<http://www.gru.com/YourBusiness/Conservation/Energy/Rebates/signReplace.jsp>

Sponsor: Gainesville Regional Utilities
Sponsor Type: Utility

Lighting Incentives: Turn on the Savings

Florida Power and Light provides businesses and large businesses financial incentives from \$0.65 to \$2.00 per linear fluorescent lamps.

For More Information:

<http://www.fpl.com/business/savings/lighting.shtml>

Sponsor: Florida Power and Light
Sponsor Type: Utility

Lighting Occupancy Sensor Program

By using lighting occupancy sensors, which turn off lights when a space is unoccupied, customers can capture significant savings. Tampa Electric encourages the upgrade with a \$75 rebate per kilowatt of lighting load controlled when permanent lighting occupancy sensors that meet Tampa Electric specifications are installed. A minimum of one kilowatt in lighting reduction must be achieved to qualify.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/lightingoccupancy-sensor/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Lighting Solutions

JEA's Lighting Solutions program offers indoor and outdoor lighting services to help businesses reduce their electric bills. Services include lighting audits, lighting maintenance, and turn-key installation.

For More Information:

<http://www.jea.com/business/services/prodandserv/lighting.asp>

Sponsor: JEA
Sponsor Type: Utility

HVAC

Business Water Heating Incentives

Florida Power and Light provides businesses financial support to install heat recovery units or heat pump water heaters.

For More Information:

<http://www.fpl.com/business/savings/waterheating.shtml>

Sponsor: Florida Power and Light
Sponsor Type: Utility

Commercial Cooling Rebate

Tampa Electric offers a Commercial Cooling Rebate for new or existing commercial and industrial customers on the purchase of qualifying energy efficient commercial cooling equipment. Rebates are from \$30.00 per ton, or \$0.0025 per Btu depending on the energy efficiency of the equipment purchased.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/coolingrebate/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Commercial Duct Repair

The program helps commercial and industrial customers have a qualified professional access and repair ducts on their commercial HVAC equipment.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/ductworkrepair/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Commercial Energy Audit Analysis

Electric and gas utility deregulation can potentially result in significant cost savings for industrial and commercial customers. Gulf Coast Electric Coop has the capabilities and expertise to perform measurement and verification of energy conservation in retrofitted facilities. They perform measurement and verification for various energy consuming equipment including lighting, HVAC equipment, and motors.

For More Information: <http://www.gcec.com/services.aspx?id=52>

Sponsor: Gulf Coast Electric Coop, Inc.
Sponsor Type: Utility

Commercial Refrigeration Program

The Commercial Refrigeration Program is designed to help customers reduce electric strip heater usage in refrigeration equipment. Customers can earn an incentive of \$135 per kilowatt saved from the licensed contractor who installs their system.

For More Information:
<http://www.tampaelectric.com/business/saveenergy/refrigeration/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Conservation Rebates for Business Customers

The Peoples Gas Energy Conservation Allowance Program, as approved by the Florida Public Service Commission (FPSC), is designed to help the natural gas customer offset costs initiated with piping and installations of natural gas appliances. An allowance of \$150 per ton, payable to a maximum of 100 tons, is available to commercial customers who install natural gas-fired space conditioning equipment.

For More Information: <http://www.peoplesgas.com/business/rebates/>

Sponsor: Peoples Gas Systems
Sponsor Type: Utility

Cooling & Heating Rebates

The utility offers commercial customers rebates of up to \$150 for cooling/heating duct repair and replacement, as well as rebates for heat pumps from \$100 to \$300, depending on the size and efficiency of the equipment.

For More Information:
http://www.ouc.com/en/commercial/ways_to_save/rebates.aspx

Sponsor: Orlando Utilities Commission
Sponsor Type: Utility

Energy Efficiency Services

Progress Energy-Florida provides low-cost, energy-saving inspections and services for new construction and retrofit from Progress Energy's energy efficiency experts. Find information, rebates, and rate incentives for building envelope equipment, HVAC systems, and indoor lighting.

For More Information:
<http://www.progress-energy.com/customer-service/flacig/efficiency/index.asp>

Sponsor: Progress Energy-Florida
Sponsor Type: Utility

Energy Efficient Cooling & Heating Upgrades

Florida Power and Light will help customers pay for high-efficiency, direct-expansion, split packaged air conditioning and heat pumps, energy recovery ventilation, demand control ventilation, chillers, and thermal energy storage systems.

For More Information:
<http://www.fpl.com/largebusiness/savings/cooling.shtml>

Sponsor: Florida Power and Light
Sponsor Type: Utility

Load Management

This program offers business customers credits on their bills for allowing Tampa Electric to control the operation of air conditioning or specialized equipment during critical energy-use periods.

For More Information:
<http://www.tampaelectric.com/business/saveenergy/loadmanagement/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Small Business High Efficiency Central Air Conditioner Rebate

The program offers a rebate from \$300 to \$550 to encourage businesses to purchase and install high-efficiency central air conditioners and heat pumps with a 15-SEER rating or higher.

For More Information: http://www.gru.com/YourHome/Conservation/Energy/Rebates/hec_conditioner.jsp

Sponsor: Gainesville Regional Utilities
Sponsor Type: Utility

Solar Incentive Program

JEA pays incentives to commercial customers for the installation of solar water heating systems in their businesses. Both new and retrofit systems qualify.

For More Information:
<http://www.jea.com/community/conservcenter/business/incentives.asp>

Sponsor: JEA
Sponsor Type: Utility

Space Conditioning Program

This program is designed to convert on-main customers from electric space conditioning equipment to energy efficient natural gas space conditioning equipment. Florida Public Utilities provides an allowance to qualifying participants to compensate for higher initial costs of natural gas space conditioning equipment and the associated installation costs. This program will also reduce summer as well as winter peak demand and contribute to the conservation of kilowatt hour/kilowatt demand consumption.

For More Information:
http://www.fpuc.com/Conservation/rebate/rebate_gas_rebates.asp

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Building Systems

Building Envelope Improvement

Customers who invest in energy efficient building envelope improvements can earn incentives for a wide range of upgrades at their facilities.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/buildingenvelope/>

Sponsor: Tampa Electric

Sponsor Type: Utility

Building Envelope Improvements

Florida Power and Light helps businesses pay for roof and ceiling insulation, reflective roof measures and window treatments that keep heat out.

For More Information:

http://www.fpl.com/business/savings/building_envelope.shtml

Sponsor: Florida Power and Light

Sponsor Type: Utility

Building Envelope Improvements

Orlando Utilities Commission offers rebates for businesses investing in building envelope improvements. Window Film or Solar Screen rebates are \$0.75 per square foot of window film or screen (\$55 maximum per room), Ceiling Insulation Upgrade rebates are \$100, plus \$0.07 per square foot above 1,500 per square foot, and Cool / Reflective Roof rebates are \$0.10 per square foot, up to \$15,000.

For More Information:

http://hooahouc.com/Libraries/OUC-Documents/comm_building_env_improv_Layout_1.sflb.ashx

Sponsor: Orlando Utilities Commission

Sponsor Type: Utility

Commercial Customers Vending Miser Rebate

Lakeland Electric will provide business customers up to three Vending Miser units installed at their facility, which reduce the energy consumption of cold-drink vending machines.

For More Information:

<http://www.lakelandelectric.com/Business/CommercialIndustrialInstitutional/ProductsServices/EnergyEfficiency-Programs/tabid/105/Default.aspx>

Sponsor: Lakeland Electric

Sponsor Type: Utility

Commercial Energy Audit Analysis

Electric and gas utility deregulation can potentially result in significant cost savings for industrial and commercial customers. Gulf Coast Electric Coop has the capabilities and expertise to perform measurement and verification of energy conservation in retrofitted facilities. They perform measurement and verification for various types of energy consuming equipment including lighting, HVAC equipment, and motors.

For More Information:

<http://www.gcec.com/services.aspx?id=52>

Sponsor: Gulf Coast Electric Coop, Inc.

Sponsor Type: Utility

Commercial Energy Calculator

Customers can estimate their commercial energy usage costs based on their inputs and learn how demand impacts their electricity costs.

For More Information:

http://www.chelco.com/commercial/save_money_energy/commercial_energy_calculator.htm

Sponsor: Choctawhatchee Electric Coop, Inc.

Sponsor Type: Utility

Energy efficient Cooling & Heating Upgrades

Florida Power and Light will help customers pay for high-efficiency, direct-expansion, split packaged air conditioning and heat pumps, energy recovery ventilation, demand control ventilation, chillers, and thermal energy storage systems.

For More Information:

<http://www.fpl.com/largebusiness/savings/cooling.shtml>

Sponsor: Florida Power and Light

Sponsor Type: Utility

Refrigeration

Florida Power and Light provides businesses with an incentive for the installation of three energy efficient technologies that can help minimize condensation.

For More Information:

<http://www.fpl.com/business/savings/refrigeration.shtml>

Sponsor: Florida Power and Light

Sponsor Type: Utility

Industrial Systems / Process Specific

Business Energy and Water Surveys

Gainesville Regional Utilities offers free on-site facility inspections and a comprehensive report that provides detailed recommendations on ways to reduce utility costs. All commercial customers, no matter how large or small, are eligible for this service.

For More Information:

<http://www.gru.com/YourBusiness/ProductsServices/busConservationSurveys.jsp>

Sponsor: Gainesville Regional Utilities

Sponsor Type: Utility

Commercial Energy Audit Analysis

Electric and gas utility deregulation can potentially result in significant cost savings for industrial and commercial customers. Gulf Coast Electric Coop has the capabilities and expertise to perform measurement and verification of energy conservation in retrofitted facilities. They perform measurement and verification for various types of energy consuming equipment including lighting, HVAC equipment, and motors.

For More Information:
<http://www.gcec.com/services.aspx?id=52>

Sponsor: Gulf Coast Electric Coop, Inc.
Sponsor Type: Utility

Commercial Energy Calculator

Customers can estimate their commercial energy usage costs based on their inputs and learn how demand impacts their electricity costs.

For More Information:
http://www.chelco.com/commercial/save_money_energy/commercial_energy_calculator.htm

Sponsor: Choctawhatchee Electric Coop, Inc.
Sponsor Type: Utility

Residential & Commercial Energy Surveys

A qualified Florida Public Utilities' energy efficiency specialist will conduct a free energy-use evaluation and inspection of a business to provide recommendations for saving energy and money.

For More Information:
http://www.fpuc.com/myaccount/rebate_main.asp

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:
<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Energy Sources

Commercial Energy Systems Library

This library provides in-depth information on various commercial energy systems, building designs, and energy technologies.

For More Information:
<http://fpuc.apogee.net/comsuite/biz-frame.aspx?url=/ces>

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Florida Energy Act Renewable Energy Act- Sales Tax Exemption

The sale or use of the following in the state of Florida is considered tax exempt including, hydrogen-powered vehicles, materials incorporated into hydrogen-powered vehicles, and hydrogen-fueling stations, up to a limit of \$2 million in taxes each state fiscal year for all taxpayers; commercial stationary hydrogen fuel cells, up to a limit of \$1 million in taxes each state fiscal year for all taxpayers; and materials used in the distribution of biodiesel (B10-B100) and ethanol (E10-100), including fueling infrastructure, transportation, and storage, up to a limit of \$1 million in tax each state fiscal year for all taxpayers. Gasoline fueling station pump retrofits for ethanol (E10-E100) distribution also qualifies for the exemption.

For More Information:
http://myfloridaclimate.com/climate_quick_links/florida_energy_climate_commission/state_energy_initiatives/renewable_energy_tax_incentives

Sponsor: Florida Department of Environmental Protection
Sponsor Type: State

Florida High Tech Corridor Initiative Industrial Incentive Program

Proposals are sought for partnership projects between University of Central Florida (UCF) faculty and regional high technology industries, including renewable-energy and solar technology, along the Florida High Tech Corridor (FHTC).

For More Information:
<http://www.eecs.ucf.edu/index.php?id=industry/iip>

Sponsor: University of Central Florida
Sponsor Type: Other

Hess C-Neutral

This program helps businesses become leaders in environmental stewardship and consumer advocates. Businesses have the option to bundle natural gas, electricity, and/or fuel oil with carbon offset credits, making their total energy purchase 100% carbon neutral.

For More Information:
<http://www.hessenergy.com/green/carbon.htm>

Sponsor: Hess Energy
Sponsor Type: Other

Industry Training

The Florida Solar Energy Center offers a range of courses covering renewable energy and building energy efficiency topics. Most courses include both classroom instruction and hands-on field experience. In many cases, attendees can receive continuing education units (CEUs) and some courses are approved for Florida professional license renewals.

For More Information:

<http://www.fsec.ucf.edu/en/industry/training/index.htm>

Sponsor: Florida Solar Energy Center

Sponsor Type: Other

Phase II SBIR/STTR External Investment Program

This program is specifically designed to expand the research activities of an FHTC industry partner by providing external investment funds to small companies to leverage research collaborations between Industry and UCF to assist in obtaining a Phase II SBIR/STTR award. Renewable Energy and Solar Technology projects are eligible.

For More Information:

<http://www.research.ucf.edu/SponsoredPrograms/FundingOpportunities/internalprog/FHTCPhII-ExtInvestProg.pdf>

Sponsor: University of Central Florida

Sponsor Type: Other

Renewable Energy Certificates

An organization can play an important role in supporting renewable energy by purchasing Renewable Energy Certificates from Hess. An organization's green power purchase can range from 1% to 100% of its electricity usage.

For More Information:

<http://www.hessenergy.com/products/green/Renewable.aspx>

Sponsor: Hess Energy

Sponsor Type: Other

Renewable Energy Property Tax Exemption

Renewable-energy devices such as solar water heat, photovoltaics, wind, and geothermal heat pumps installed on or after 1/1/2009 can receive a 100% tax exemption.

For More Information:

<http://www.myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=43466>

Sponsor: Florida Department of Revenue

Sponsor Type: State

Solar Power Interconnectivity

Florida Keys Electric Cooperative (FKEC) supports members who are installing their own solar power by offering an interconnectivity agreement to ensure that small photovoltaic systems are connected safely to FKEC's power grid.

For More Information:

<http://www.fkec.com/Green/interconnectivity.cfm>

Sponsor: Florida Keys Electric Cooperative

Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy

Sponsor Type: Utility

Load Management

Business Calculator

Business owners and/or managers can use this easy tool to quickly determine their annual energy usage.

For More Information:

<http://www.lcec.net/energysurvey/>

Sponsor: Lee County Electric Cooperative, Inc.

Sponsor Type: Utility

Business Custom Incentive

Florida Power and Light (FPL) provides businesses incentives for a customized energy-saving innovations that will trim at least 25 kilowatts from FPL's summer peak-electricity demand. The amount depends upon the type of project and how much energy will be saved for FPL customers in the future.

For More Information:

<http://www.fpl.com/business/savings/custom.shtml>

Sponsor: Florida Power and Light

Sponsor Type: Utility

Business Energy Audits

JE A provides commercial customers the opportunity to receive free-of-charge, energy evaluations of their businesses.

For More Information:

<http://www.jea.com/community/conservcenter/tools/businessaudit.asp>

Sponsor: JEA

Sponsor Type: Utility

Business Energy Check

Progress Energy-Florida's Business Energy Check is a tool businesses can use to identify opportunities to reduce energy costs. Upon completion the tool provides a report with recommendations.

For More Information:

<http://www.progress-energy.com/custservice/flabusiness/efficiency/CA/index.asp>

Sponsor: Progress Energy-Florida

Sponsor Type: Utility

Business Energy Evaluation

FPL Business Energy Evaluation is a free, comprehensive review of a facility's energy usage that can help businesses make informed, cost-effective decisions that will save money. Whether businesses are updating equipment, renovating, or building a new facility, FPL can provide the information they need.

For More Information:

http://www.fpl.com/largebusiness/savings/business_energy_evaluation.shtml

Sponsor: Florida Power and Light
Sponsor Type: Utility

Commercial Energy Audit

Tampa Electric provides commercial energy audits to identify potential energy-saving opportunities.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/energyaudit/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Commercial Energy Audit Analysis

Electric and gas utility deregulation can potentially result in significant cost savings for industrial and commercial customers. Gulf Coast Electric Coop has the capabilities and expertise to perform measurement and verification of energy conservation in retrofitted facilities. They perform measurement and verification for various energy consuming equipment including lighting, HVAC equipment, and motors.

For More Information:

<http://www.gcec.com/services.aspx?id=52>

Sponsor: Gulf Coast Electric Coop, Inc.
Sponsor Type: Utility

Commercial Energy Audits

Lakeland Electric provides financial assistance for businesses conducting a Commercial Energy Audit. The utility offers a rebate of 50% of cost of the audit or up to \$2,000 per customer.

For More Information:

<http://www.lakelandelectric.com/Business/CommercialIndustrialInstitutional/ProductsServices/EnergyEfficiency-Programs/tabid/105/Default.aspx>

Sponsor: Lakeland Electric
Sponsor Type: Utility

Commercial Energy Calculator

The Commercial Energy Calculator provides estimates of energy usage and costs based on your inputs. It also presents a comparison of three efficiency levels for each calculation.

For More Information:

<http://chelco.apogee.net/comcalc/>

Sponsor: Chelco
Sponsor Type: Utility

Commercial Energy Calculator

The Commercial Energy Calculator provides estimates of energy usage and costs based on your inputs. It also presents a comparison of three efficiency levels for each calculation.

For More Information:

<http://fpuc.apogee.net/comsuite/biz-frame.aspx?url=/comcalc>

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Commercial Energy Survey

A state certified commercial energy advisor will conduct a free onsite energy audit for businesses.

For More Information:

<http://www.lcec.net/energysurvey/>

Sponsor: Lee County Electric Cooperative, Inc.
Sponsor Type: Utility

Commercial Energy Surveys

Orlando Utilities Commission will provide free energy surveys for commercial customers.

For More Information:

http://www.ouc.com/en/commercial/ways_to_save/energy_and_water_surveys.aspx

Sponsor: Orlando Utilities Commission
Sponsor Type: Utility

Commercial Energy Systems Library

This library provides in-depth information on various commercial energy systems, building designs, and energy technologies.

For More Information:

<http://fpuc.apogee.net/comsuite/biz-frame.aspx?url=/ces>

Sponsor: Florida Public Utilities
Sponsor Type: Utility

Commercial/Industrial Demand Reduction

Commercial Demand Reduction (CDR) is a load management program that can save a business thousands of dollars each year, if you qualify. The CDR program reduces FPL's system peak demand during capacity shortfalls or system emergencies.

For More Information:

<http://www.fpl.com/largebusiness/savings/cdr.shtml>

Sponsor: Florida Power and Light
Sponsor Type: Utility

Conservation Rebates for Business Customers

The Peoples Gas Energy Conservation Allowance Program, as approved by the FPSC, is designed to help the natural gas customer offset costs initiated with piping and installations of natural gas appliances. An allowance of \$150 per ton, payable to a maximum of 100 tons, is available to commercial customers who install natural gas-fired space conditioning equipment.

For More Information:

<http://www.peoplesgas.com/business/rebates/>

Sponsor: Peoples Gas Systems

Sponsor Type: Utility

Conservation Value

Tampa Electric's Conservation Value program offers cash incentives to businesses that invest in equipment to shift or reduce their energy load during periods of Tampa Electric's peak energy demand.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/conservationvalue/>

Sponsor: Tampa Electric

Sponsor Type: Utility

Demand Response

Hess Demand Response offers customers an opportunity to generate recurring revenue. Customers earn money by committing to reduce electricity usage the few times a year when their local power grid is at its peak, or when there is a significant spike in energy prices. For this commitment to reduce usage, Hess will pay customers every month. When they fulfill their commitment during a demand response event, Hess will pay them even more.

For More Information:

<http://www.hessenergy.com/products/electricity/DR.aspx>

Sponsor: Hess Energy

Sponsor Type: Other

Energy Audit

A Florida Keys Electric Cooperative Member Service Representative will come to your business and perform a free energy audit.

For More Information:

<http://www.fkec.com/Green/energy.cfm>

Sponsor: Florida Keys Electric Cooperative

Sponsor Type: Utility

Energy Efficiency Services

Progress Energy-Florida provides low-cost, energy-saving inspections and services for new construction and retrofit from Progress Energy energy efficiency experts. Find information, rebates, and rate incentives for building envelope equipment, HVAC systems and indoor lighting.

For More Information:

<http://www.progress-energy.com/customer/flacig/efficiency/index.asp>

Sponsor: Progress Energy-Florida

Sponsor Type: Utility

Energy Management Services

Energy Management Services (EMS) provides evaluation of a customer's total energy use to establish energy conservation solutions that reduce the customer's annual energy expenses. EMS utilizes equipment inventory reports, historical energy bills, walk-through audits, load analysis, and equipment decision-making to provide the optimal use of energy in a facility.

For More Information:

<http://www.gasauthority.com/cms/Commercial+%26+Industrial/39.html>

Sponsor: Municipal Gas Authority of Georgia

Sponsor Type: Other

EnergyDirect

EnergyDirect offers business customers around the clock access to energy billing and usage information, graphing and analysis of their energy use, alerts and metrics tailored to their business, custom account portfolios, and benchmarking.

For More Information:

<http://www.energydirect.com/>

Sponsor: Gulf Power

Sponsor Type: Utility

GRU's Customized Business Rebate

GRU offers a customized rebate that lets business customers decide where best to save energy in their business. Program provides up to \$100,000 or 50% of project implementation cost, whichever is less.

For More Information:

<http://www.gru.com/YourBusiness/Conservation/Energy/Rebates/customRebate.jsp>

Sponsor: Gainesville Regional Utilities

Sponsor Type: Utility

Load Management

This program offers business customers credits on their bills for allowing Tampa Electric to control the operation of air conditioning or specialized equipment during critical energy-use periods.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/loadmanagement/>

Sponsor: Tampa Electric

Sponsor Type: Utility

Residential & Commercial Energy Surveys

A qualified Florida Public Utilities' energy efficiency specialist will conduct a free energy-use evaluation and inspection of a business to provide recommendations for saving energy and money.

For More Information:

http://www.fpuc.com/myaccount/rebate_main.asp

Sponsor: Florida Public Utilities

Sponsor Type: Utility

Standby Generator

Tampa Electric issues monthly credits on customers' electric bills for the portion of their normal facility load that they agree to serve with their generator(s) during Tampa Electric's peak energy-demand periods.

For More Information:

<http://www.tampaelectric.com/business/saveenergy/standbygenerator/>

Sponsor: Tampa Electric
Sponsor Type: Utility

Time of Billing

With this program, companies receive a reduced rate when using electricity during off-peak times when Lakeland Electric's total customer demand for power is lowest.

For More Information:

<http://www.lakelandelectric.com/Business/CommercialIndustrialInstitutional/ProductsServices/TimeofDayBilling/tabid/104/Default.aspx>

Sponsor: Lakeland Electric
Sponsor Type: Utility

Constellation NewEnergy Online

This is an energy-management tool that is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve their company's energy efficiencies, track changes in their company's usage, and compare usage across multiple facilities.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.987b194dd5e782ce18a805e4da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Energy Efficiency Projects

The utility's sister company, Constellation Energy Projects & Services Group, helps commercial customers develop solutions to achieve energy goals.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.1b1af2559c566632782c7883da6176a0>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

Load Response for your Business

Commercial customers can receive financial rewards, either in the form of dollars or energy bill credits, for using less energy on days when regional power grids are under stress.

For More Information:

<http://www.newenergy.com/portal/site/menuitem.c2d5c4a31e3b3661571c5010747176a0?title=lr>

Sponsor: Constellation NewEnergy
Sponsor Type: Utility

End Notes

- ¹ U.S. Department of Energy, Industrial Technologies Program, State and Regional Partnerships, “Industrial Technologies Program Activities in Florida.” http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=FL.
- ² Energy Information Administration, “State/Territory Energy Profiles,” Accessed October 4, 2010. http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=FL.

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