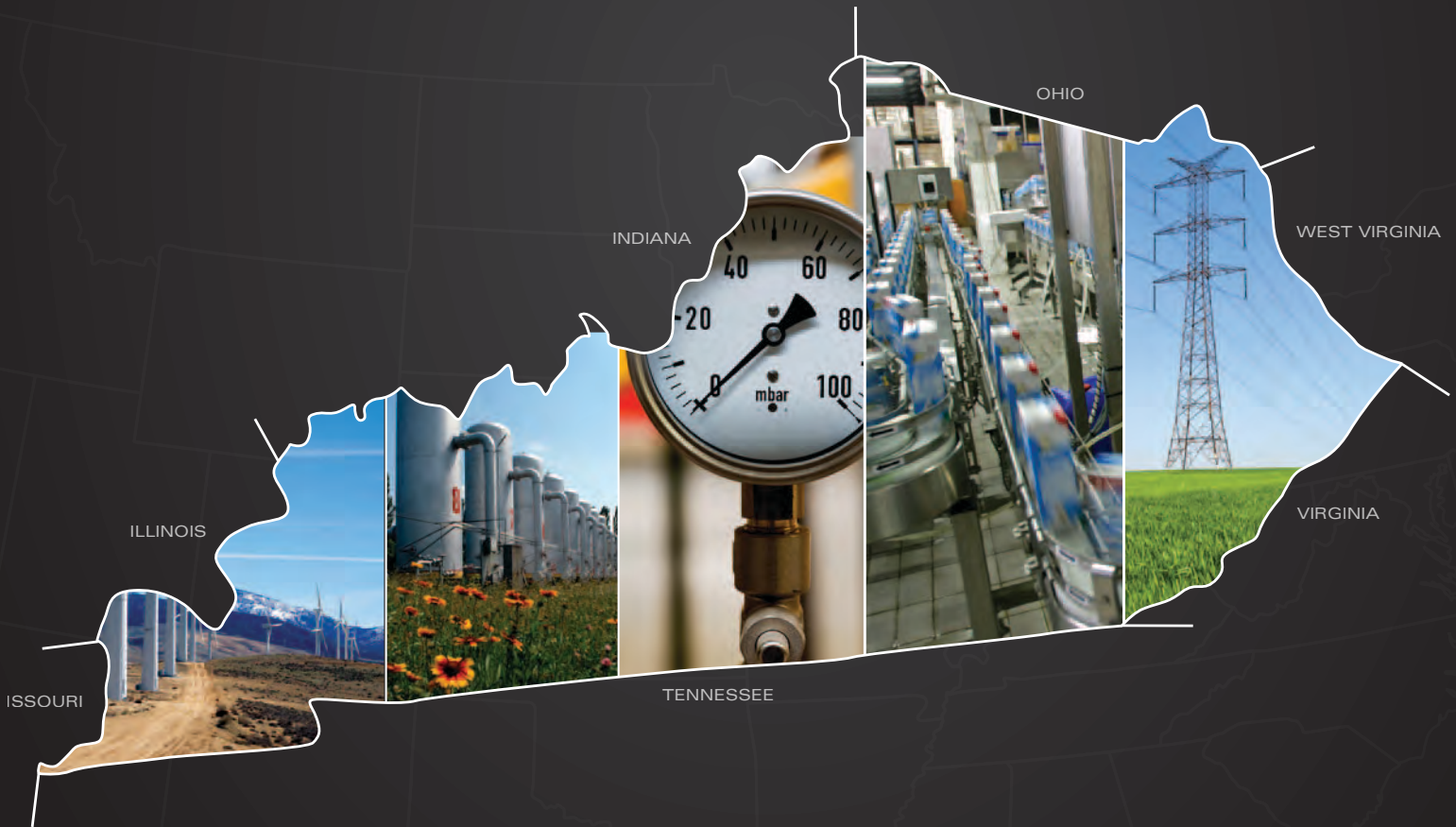


Electronic Handbook of Industrial Resources

# KENTUCKY



# Electronic Handbook of Industrial Resources

## KENTUCKY

November 2010

### Introduction

This resource provides a comprehensive listing of incentives, tools, and resources for industrial manufacturing energy efficiency in the state of Kentucky. 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](http://www1.eere.energy.gov/industry/states/state_activities/incentive_search.aspx)



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# State Industrial Overview

Kentucky has a total of 4.3 million residents and ranks 27th in the nation in terms of GDP, which is \$156.4 billion. The state is home to six Fortune 500 companies. In 2008, Kentucky ranked 9th in the nation for industrial energy consumption at 890.6 trillion Btu and 19th in the nation for industrial natural gas consumption at 114.5 trillion Btu.<sup>1</sup>

Approximately 90% of Kentucky’s electricity is generated from coal-fired plants, and almost one-third of the nation’s coal mines are found in the state. Kentucky ranked third in the United States in terms of coal production.<sup>2</sup>

Exhibit 1 below compares the industrial energy consumption in Kentucky 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 Kentucky**

Year	Kentucky Energy Consumption (Trillion Btu)	National Average (Trillion Btu)
2000	844.3	680.2
2001	808.2	642.8
2002	873.6	642.0
2003	846.8	639.6
2004	892.0	658.7
2005	892.1	696.7
2006	903.3	636.6
2007	894.5	637.0
2008	890.6	614.8

Source: [http://www.eia.doe.gov/emeu/states/sep\\_use/ind/use\\_ind\\_ky.html](http://www.eia.doe.gov/emeu/states/sep_use/ind/use_ind_ky.html)

# Kentucky at a Glance

## State Information

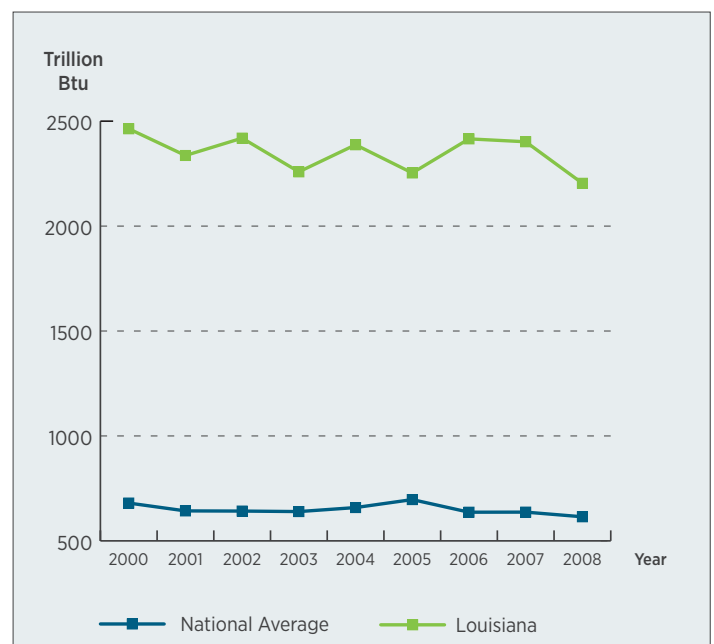
2009 Population (Million)	4.3
2008 GDP (Billion)	\$156.4
Rank by GDP	27

## Energy Statistics

Total Energy Consumption 2008 (Trillion Btu)	1,982.8
Total Industrial Energy Consumption 2008 (Trillion Btu)	890.6
Total Industrial Energy Consumption Rank	9
Total Industrial Electricity Use 2008 (Trillion Btu)	157.6
Total Industrial Electricity Use Rank	6
Total Industrial Natural Gas Use 2008 (Trillion Btu)	114.5
Total Industrial Natural Gas Use Rank	19

Source: [http://tonto.eia.doe.gov/state/state\\_energy\\_profiles.cfm?sid=KY](http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=KY)

**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

#### Commercial & Industrial Services

Owen Electric provides a wide range of services to commercial and industrial customers and can provide these services to commercial and industrial businesses that are not members of the Cooperative. Services include power quality assessments, energy management systems assistance, and infrared maintenance surveys.

**For More Information:**  
<http://www.owenelectric.com/C&IServices.htm>

**Sponsor:** Owen Electric Cooperative  
**Sponsor Type:** Utility

#### Commercial and Industrial Services

Kenergy provides a variety of products and services for commercial and

industrial customers to ensure long-term business success. These services include energy use and operational assessments, technology evaluations, power factor correction, power quality assessments, and lighting incentives.

**For More Information:**  
<http://www.kenergycorp.com/com-serve.aspx>

**Sponsor:** Kenergy  
**Sponsor Type:** Utility

#### Commercial Energy Audit

Cumberland Valley has teamed with Envision Energy Services to offer free onsite commercial energy audits.

**For More Information:**  
<http://www.cvecc.com/comEnergyAudit.aspx>

**Sponsor:** Cumberland Valley RECC  
**Sponsor Type:** Utility

#### Commercial Energy Audit

Grayson Rural Electric will conduct a walkthrough of a commercial facility or residential property to identify ways to make the facility more energy efficient.

**For More Information:**  
<http://www.graysonrecc.com/energyAnalysis.aspx>

**Sponsor:** Grayson Rural Electric  
**Sponsor Type:** Utility

#### Commercial Energy Audit

The utility will conduct a walkthrough of a commercial facility to identify ways to make the facility more energy efficient.

**For More Information:**  
<http://www.eon-us.com/comaudit/default.asp>

**Sponsor:** Kentucky Utilities  
**Sponsor Type:** Utility

## Commercial Energy Audits

This utility offers free commercial energy audits to help businesses reduce energy costs.

**For More Information:**

[http://www.clarkenergy.com/energy-audit\\_commercial.aspx](http://www.clarkenergy.com/energy-audit_commercial.aspx)

**Sponsor:** Clark Energy Cooperative  
**Sponsor Type:** Utility

## Commercial Loan Program

Pennyrile Rural Electric Cooperative offers nonresidential customers financing for energy efficiency improvements. Customers may borrow up to \$25,000 to increase the efficiency of facilities. The interest rate of the loan is fixed over the life of the loan, which can be up to five years.

**For More Information:**

[http://www.precc.com/precc/comm\\_loan\\_program.htm](http://www.precc.com/precc/comm_loan_program.htm)

**Sponsor:** Pennyrile Rural Electric Cooperative  
**Sponsor Type:** Utility

## Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**

<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Kentucky Utilities  
**Sponsor Type:** Utility

## Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**

<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Louisville Gas and Electric  
**Sponsor Type:** Utility

## Comprehensive Services Program

Pennyrile Rural Electric Cooperative will conduct a walkthrough of a commercial or industrial facility to identify ways to make the facility more energy efficient.

**For More Information:**

[http://www.precc.com/precc/comm\\_egcp.htm](http://www.precc.com/precc/comm_egcp.htm)

**Sponsor:** Pennyrile Rural Electric Cooperative  
**Sponsor Type:** Utility

## Energy Audit Program

Kentucky Pollution Prevention Center will conduct a walkthrough of an industrial facility to identify ways to make the facility more energy efficient.

**For More Information:**

<https://louisville.edu/kppc/services.html>

**Sponsor:** Kentucky Pollution Prevention Center  
**Sponsor Type:** Nonprofit

## Energy Management Audits

Warren Rural Electric Cooperative Corporation offers facility energy audits to industrial and commercial customers. An energy specialist will examine existing systems and identify ways to make the systems more energy efficient.

**For More Information:**

<http://www.wrecc.com/commind.aspx>

**Sponsor:** Warren Rural Electric Cooperative Corporation  
**Sponsor Type:** Utility

## Energy Services

Seminole Energy Services offers businesses services including peak shaving, load management, energy audits, and consulting services.

**For More Information:**

<http://www.seminoleenergy.com/services.commercial.aspx>

**Sponsor:** Seminole Energy Services  
**Sponsor Type:** Other

## Energy Solution

This program allows customers to partner with the Columbia Gas team to discover customized energy solutions for a facility.

**For More Information:**

<http://www.columbiagasky.com/en/your-business/economic-development.aspx>

**Sponsor:** Columbia Gas of Kentucky  
**Sponsor Type:** Utility

## Industrial/Commercial Services

Blue Grass Energy offers a number of services to commercial and industrial customers including assistance with power quality, power factor correction, distributed generation, energy management systems, and exterior lighting.

**For More Information:**

<http://www.bgenergy.com/IndustrialCommercialServices.aspx>

**Sponsor:** Blue Grass Energy  
**Sponsor Type:** Utility

## Kentucky Environmental Stewardship Act (KESA)

This tax incentive is for companies manufacturing products that have a substantial positive impact on human health and the environment. A KESA approved company is eligible to receive a 100% credit against the Kentucky tax liability generated by the project. The tax incentive is available for recovery over a 10-year period.

### For More Information:

[http://www.thinkkentucky.com/kyedc/pdfs/KESA\\_FACT\\_SHEET\\_2005\\_v11.pdf](http://www.thinkkentucky.com/kyedc/pdfs/KESA_FACT_SHEET_2005_v11.pdf)

**Sponsor:** Kentucky Cabinet for Economic Development Department of Financial Incentives

**Sponsor Type:** State

## Kentucky Reinvestment Act (KRA)

This program provides tax credits to any existing Kentucky company engaged in manufacturing and related functions on a permanent basis for a reasonable period of time that will be investing in eligible equipment and related costs of at least \$2,500,000.

### For More Information:

<http://www.thinkkentucky.com/kyedc/pdfs/KRAFactSheet.pdf>

**Sponsor:** Kentucky Cabinet for Economic Development Department of Financial Incentives

**Sponsor Type:** State

## Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

### For More Information:

<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**Sponsor Type:** Utility

## U.S. Department of Energy Industrial Assessment Center (IAC): Tennessee Tech University

Tennessee's 3-Star Industrial Assessment Center provides no-cost energy assessments to manufacturing plants across Tennessee and portions of Kentucky, Virginia, West Virginia, North Carolina, and Arkansas.

### For More Information:

<http://www.tntech.edu/iac/home/>

**Sponsor:** U.S. Department of Energy  
**Sponsor Type:** Federal

## U.S. Department of Energy Industrial Assessment Center (IAC): University of Dayton

The University of Dayton IAC provides eligible small-and medium-sized manufacturers within about 150 miles of the campus with free energy assessments.

### For More Information:

[http://www1.eere.energy.gov/industry/bestpractices/industrial\\_assessment\\_center\\_locations.html#dayton](http://www1.eere.energy.gov/industry/bestpractices/industrial_assessment_center_locations.html#dayton)

**Sponsor:** U.S. Department of Energy  
**Sponsor Type:** Federal

## U.S. Department of Energy Industrial Assessment Center (IAC): West Virginia University

The West Virginia University IAC provides no-cost assessments to small- and mid-sized manufacturers within about 150 miles of the campus, identifying opportunities to save energy, reduce waste, and improve productivity.

### For More Information:

<http://www2.cemr.wvu.edu/~wwwiac/>

**Sponsor:** U.S. Department of Energy  
**Sponsor Type:** Federal

## Constellation NewEnergy Online

This energy management tool is available to all electricity customers free of charge. The tool allows customers to find opportunities to improve a company's energy efficiency, 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

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.1b1af2559c566632782c82c7883da6176a0>

**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

# Lighting

## Commercial Advanced Lighting Program

Clark Energy offers energy efficient programs targeting the commercial and industrial sectors. The Commercial Advanced Lighting Program including LED offers incentives to commercial and industrial customers that install high efficiency lamps and ballasts in facilities. To be eligible, the facility and its lighting system must have been in service for at least two years, is expected to continue being in business for another two years after retrofit is complete, and must have its normal lighting load for at least 50 hours per week. Eligible businesses may qualify for a rebate of \$213 for each kW of lighting load reduction for a maximum incentive of \$2,000 (9.38 kW).

**For More Information:**  
<http://www.clarkenergy.com/eePrograms.aspx>

**Sponsor:** Clark Energy Cooperative  
**Sponsor Type:** Utility

## Commercial and Industrial Services

Kenergy provides a variety of products and services for commercial and industrial customers to ensure long-term success. These services include energy use and operational assessments, technology evaluations, power factor correction, power quality assessments, and lighting incentives.

**For More Information:**  
<http://www.kenergycorp.com/comserve.aspx>

**Sponsor:** Kenergy  
**Sponsor Type:** Utility

## Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**  
<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Kentucky Utilities  
**Sponsor Type:** Utility

## Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**  
<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Louisville Gas and Electric  
**Sponsor Type:** Utility

## Industrial/Commercial Services

Blue Grass Energy offers a number of services to commercial and industrial customers, including assistance with power quality, power factor correction, distributed generation, energy management systems, and exterior lighting.

**For More Information:**  
<http://www.bgenergy.com/IndustrialCommercialServices.aspx>

**Sponsor:** Blue Grass Energy  
**Sponsor Type:** Utility

## Lighting Incentive

Duke Energy provides rebates to business customers to upgrade lighting systems.

**For More Information:**  
<http://www.duke-energy.com/ken-tucky-business/energy-management/lighting-incentive.asp>

**Sponsor:** Duke Energy Kentucky, Inc.  
**Sponsor Type:** Utility

## Lighting Program

Rebates are provided for the purchase of energy efficient lighting.

**For More Information:**  
<http://www.mwalliance.org/programs/change-light>

**Sponsor:** Midwest Energy Efficiency Alliance  
**Sponsor Type:** Nonprofit

## Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

**For More Information:**  
<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**Sponsor Type:** Utility



## HVAC

### Commercial Rebate Program

The LG&/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**

<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Kentucky Utilities  
**Sponsor Type:** Utility

### Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**

<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Louisville Gas and Electric  
**Sponsor Type:** Utility

### Cooling Incentive

Duke Energy provides cooling incentives to commercial and industrial companies to help systems operate more efficiently.

**For More Information:**

<http://www.duke-energy.com/kentucky-business/energy-management/cooling-incentive.asp>

**Sponsor:** Duke Energy Kentucky, Inc.  
**Sponsor Type:** Utility

### Demand Conservation Program

This program is designed to reduce energy consumption during high-use periods. The utility will temporarily power down HVAC and water heaters during peak periods. Companies will receive a \$20 annual credit for enrolling in the program.

**For More Information:**

<http://www.eon-us.com/dc/default.asp>

**Sponsor:** Kentucky Utilities  
**Sponsor Type:** Utility

### Demand Conservation Program

This program is designed to reduce energy consumption during high-use periods. The utility will temporarily power down HVAC and water heaters during peak periods. Companies will receive a \$20 annual credit for enrolling in the program.

**For More Information:**

<http://www.eon-us.com/dc/default.asp>

**Sponsor:** Louisville Gas and Electric  
**Sponsor Type:** Utility

### Heat Pump Financing

Tennessee Valley Authority (TVA), in conjunction with local utilities, will offer a low-interest loan for the purchase and installation of a heat pump. The loan term is up to 10 years.

**For More Information:**

<http://www.energyright.com/heat-pump/index.htm>

**Sponsor:** Tennessee Valley Authority  
**Sponsor Type:** Utility

### Heat Pump Rebate

Russellville Electric Plant Board provides incentives of \$25 to \$300 available toward the purchase of an electric heat pump.

**For More Information:**

<http://www.russepb.com/heat%20pump.htm>

**Sponsor:** Russellville Electric Plant Board  
**Sponsor Type:** Utility

### Heating and Air/Insulation Loans

The utility is offering 7% fixed-rate loans toward the purchase of an HVAC system or other sort of insulating measure. The loan term is up to seven years with a maximum loan amount of \$7,500.

**For More Information:**

<http://www.paducahpower.com/financingha.htm>

**Sponsor:** Paducah Power System  
**Sponsor Type:** Utility

### Loan for Heat Pump Purchase

Russellville Electric Plant Board is offering a 7% interest loan toward the purchase of an electric heat pump. The loan term is up to 10 years.

**For More Information:**

<http://www.russepb.com/heat%20pump.htm>

**Sponsor:** Russellville Electric Plant Board  
**Sponsor Type:** Utility

### Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

**For More Information:**

<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**Sponsor Type:** Utility

## Building Systems

### Commercial Energy Audit

Cumberland Valley has teamed with Envision Energy Services to offer free onsite commercial energy audits.

**For More Information:** <http://www.cvecc.com/comEnergyAudit.aspx>

**Sponsor:** Cumberland Valley RECC  
**Sponsor Type:** Utility

### Commercial Energy Audit

Paducah Power System will conduct a walkthrough of an industrial facility to identify ways to make the facility more energy efficient.

**For More Information:**  
<http://www.paducahpower.com/commercialaudit.htm>

**Sponsor:** Paducah Power System  
**Sponsor Type:** Utility

### Commercial Energy Suite

Jackson Purchase Energy offers a commercial energy calculator, as well as information on energy systems and demand management.

**For More Information:**  
<http://jpenenergy.apogee.net/comsuite/>

**Sponsor:** Jackson Purchase Energy Corp.  
**Sponsor Type:** Utility

### Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:** <http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Kentucky Utilities  
**Sponsor Type:** Utility

### Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:** <http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Louisville Gas and Electric  
**Sponsor Type:** Utility

### ENERGY STAR® Commercial Clothes Washers Incentive

ENERGY STAR® commercial washers for laundry facilities save a significant amount of money over the length of the contract and also provide users with the best laundry performance possible. In addition to saving money over time, Duke Energy provides a maximum incentives payment of \$50,000 per fiscal year (July 1 through June 30) per facility for all eligible technologies combined.

**For More Information:**  
<http://www.duke-energy.com/pdfs/KY-ES-Commercial-Clothes-Washer-Incentive-Application-1008.pdf>

**Sponsor:** Duke Energy Kentucky, Inc.  
**Sponsor Type:** Utility

### Foodservices Incentive

Duke Energy provides a maximum incentives payment of \$50,000 per fiscal year (July 1 through June 30) per facility for all eligible technologies combined, which include Vending Equipment Controller, Anti-Sweat Heater Controls, Head Pressure Controls, Night Covers for Displays, Energy Efficient Ice Machines, and Efficient Refrigeration Condensers.

**For More Information:**  
<http://www.duke-energy.com/pdfs/KY-Food-Services-Incentive-Application-1008.pdf>

**Sponsor:** Duke Energy Kentucky, Inc.  
**Sponsor Type:** Utility

### Incentives for Energy Independence Act (IEIA)

This state-administered program offers tax refunds and credits to any company that constructs, retrofits, or upgrades a facility. The program is available for up to 25 years, up to a maximum of 50% of the capital investment.

**For More Information:**  
<http://www.thinkkentucky.com/kyedc/pdfs/IEIA.pdf>

**Sponsor:** Kentucky Economic Development Finance Authority  
**Sponsor Type:** State

### Industrial/Commercial Services

Blue Grass Energy offers a number of services to commercial and industrial customers, including assistance with power quality, power factor correction, distributed generation, energy management systems, and exterior lighting.

**For More Information:**  
<http://www.bgenergy.com/industrialCommercialServices.aspx>

**Sponsor:** Blue Grass Energy  
**Sponsor Type:** Utility

### Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

**For More Information:**  
<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**Sponsor Type:** Utility

## Industrial Systems / Process Specific

### Commercial and Industrial Services

Kenergy provides a variety of products and services for commercial and industrial customers to ensure long-term success. These services include energy-use and operational assessments, technology evaluations, power factor correction, power quality assessments, and lighting incentives.

**For More Information:**

<http://www.kenergycorp.com/comserve.aspx>

**Sponsor:** Kenergy

**Sponsor Type:** Utility

### Commercial Energy Audit

Cumberland Valley has teamed with Envision Energy Services to offer free onsite commercial energy audits.

**For More Information:**

<http://www.cvecc.com/comEnergyAudit.aspx>

**Sponsor:** Cumberland Valley RECC

**Sponsor Type:** Utility

### Commercial Energy Audit

Louisville Gas and Electric will conduct a walkthrough of a commercial facility to identify ways to make the facility more energy efficient.

**For More Information:** <http://www.eon-us.com/commaudit/default.asp>

**Sponsor:** Louisville Gas and Electric

**Sponsor Type:** Utility

### Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**

<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Kentucky Utilities

**Sponsor Type:** Utility

### Commercial Rebate Program

The LG&E/KU Commercial Rebate Program offers commercial customers a cash incentive to replace aging, less efficient equipment. The program is designed to encourage customers to operate facilities more efficiently. Rebates will be available for high-efficiency lighting, motors/pumps, and refrigeration.

**For More Information:**

<http://www.eon-us.com/rebate/default.asp>

**Sponsor:** Louisville Gas and Electric

**Sponsor Type:** Utility

### Electric Thermal Storage

Grayson Rural Electric offers rebates for the purchase of an energy efficient electric thermal storage system.

**For More Information:**

<http://www.graysonrecc.com/memberIncentives.aspx>

**Sponsor:** Grayson Rural Electric

**Sponsor Type:** Utility

### Foodservices Incentive

Duke Energy provides a maximum incentives payment of \$50,000 per fiscal year (July 1 through June 30) per facility for all eligible technologies combined, which include Vending Equipment Controller, Anti-Sweat Heater Controls, Head Pressure Controls, Night Covers for Displays, Energy Efficient Ice Machines, and Efficient Refrigeration Condensers.

**For More Information:**

<http://www.duke-energy.com/pdfs/KY-Food-Services-Incentive-Application-1008.pdf>

**Sponsor:** Duke Energy Kentucky, Inc.

**Sponsor Type:** Utility

### Industrial Compressed Air Program

Clark Energy offers an energy efficient program targeting industrial compressed air. The U.S. Department of Energy estimates that compressed air systems account for 10% of all electricity used in the industrial sector. The program includes: (1) training of plant staff; (2) a detailed system assessment of the plant's compressed air system including written findings and recommendations; and (3) incentives for capital-intensive improvements. Eligible industries may qualify for incentives of \$150 for each kW of reduction in compressed air leakage load to a maximum of \$4,000 (26.67 kW load reduction).

**For More Information:**

<http://www.clarkenergy.com/eePrograms.aspx>

**Sponsor:** Clark Energy Cooperative

**Sponsor Type:** Utility

### Industrial/Commercial Services

Blue Grass Energy offers a number of services to commercial and industrial customers, including assistance with power quality, power factor correction, distributed generation, energy management systems, and exterior lighting.

**For More Information:**

<http://www.bgenergy.com/IndustrialCommercialServices.aspx>

**Sponsor:** Blue Grass Energy

**Sponsor Type:** Utility

### Motor/Pump Incentive

Duke Energy provides rebates to industrial and commercial customers to facilitate the move to high-efficiency NEMA Premium™ motors that can provide significant energy and money savings.

**For More Information:**

<http://www.duke-energy.com/kentucky-business/energy-management/motor-incentive.asp>

**Sponsor:** Duke Energy Kentucky, Inc.

**Sponsor Type:** Utility

## Processes Incentive

Duke Energy provides a maximum incentives payment of \$50,000 per fiscal year (July 1 through June 30) per facility for all eligible technologies combined, which include Barrel Wraps, Pellet Dryer Duct Insulation, and Engineered Nozzles.

### For More Information:

<http://www.duke-energy.com/pdfs/KY-Process-Incentive-Application-1008.pdf>

**Sponsor:** Duke Energy Kentucky, Inc.  
**Sponsor Type:** Utility

## Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand-side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

### For More Information:

<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**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

### Green Power Switch Program

Green Power Switch® (GPS) is a green power pricing program that provides technical support and incentives for the installation of renewable generation systems.

### For More Information:

<http://www.tva.com/greenpower-switch/partners/>

**Sponsor:** Tennessee Valley Authority  
**Sponsor Type:** Utility

### Industrial/Commercial Services

Blue Grass Energy offers a number of services to commercial and industrial customers, including assistance with power quality, power factor correction, distributed generation, energy management systems, and exterior lighting.

### For More Information:

<http://www.bgenergy.com/IndustrialCommercialServices.aspx>

**Sponsor:** Blue Grass Energy  
**Sponsor Type:** Utility

### Renewable Energy Purchase Program

The Tennessee Valley Authority will purchase 100% of the green power generated from small renewable sources

### For More Information:

<http://www.gpsgenpartners.com>

**Sponsor:** Tennessee Valley Authority  
**Sponsor Type:** Utility

### Renewable Energy Tax Credit (Corporate)

Kentucky corporate taxpayers may take a 30% state income tax credit for certain solar, wind, and geothermal equipment installed on commercial property.

### For More Information:

<http://www.lrc.ky.gov/KRS/141-00/CHAPTER.HTM>

**Sponsor:** Kentucky Department of Revenue

**Sponsor Type:** State

### Tax Credit for Renewable Energy Facilities

The tax credit allows approved facilities to receive a credit up to 100% of Kentucky income tax and the limited liability tax for projects that construct, retrofit, or upgrade facilities that generate power from renewable resources.

### For More Information:

<http://www.thinkkentucky.com/kyedc/pdfs/IEIA.pdf>

**Sponsor:** Kentucky Cabinet for Economic Development Department of Financial Incentives  
**Sponsor Type:** State

## Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

### For More Information:

<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**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

### Commercial & Industrial Services

Meade County RECC provides services to aid existing and potential commercial/industrial consumers in improving energy efficiency, rates, proper sizing of facilities, and surge protection.

**For More Information:**

<http://www.mcrecc.com/services.aspx>

**Sponsor:** Meade County RECC

**Sponsor Type:** Utility

### Commercial & Industrial Services

Owen Electric provides a wide range of services to commercial and industrial customers and can provide these services to commercial and industrial businesses that are not members of the Cooperative. Services include power quality assessments, energy management systems assistance, and infrared maintenance surveys.

**For More Information:**

<http://www.owenelectric.com/C&IServices.htm>

**Sponsor:** Owen Electric Cooperative

**Sponsor Type:** Utility

### Commercial and Industrial Services

Kenergy provides a variety of products and services for commercial and industrial customers to ensure long-term success. These services include energy-use and operational assessments, technology evaluations, power factor correction, power quality assessments, and lighting incentives.

**For More Information:**

<http://www.kenergycorp.com/com-serve.aspx>

**Sponsor:** Kenergy

**Sponsor Type:** Utility

### Commercial Energy Audit

Cumberland Valley has teamed with Envision Energy Services to offer free onsite commercial energy audits.

**For More Information:**

<http://www.cvecc.com/comEnergyAudit.aspx>

**Sponsor:** Cumberland Valley RECC

**Sponsor Type:** Utility

### Commercial Energy Audit

Grayson Rural Electric will conduct a walkthrough of a commercial facility or residential property to identify ways to make the facility more energy efficient.

**For More Information:**

<http://www.graysonrecc.com/energy-Analysis.aspx>

**Sponsor:** Grayson Rural Electric

**Sponsor Type:** Utility

### Commercial Energy Audit

The utility will conduct a walkthrough of a commercial facility to identify ways to make the facility more energy efficient.

**For More Information:**

<http://www.eon-us.com/comaudit/default.asp>

**Sponsor:** Kentucky Utilities

**Sponsor Type:** Utility

### Commercial Energy Audit

Louisville Gas and Electric will conduct a walkthrough of a commercial facility to identify ways to make the facility more energy efficient.

**For More Information:**

<http://www.eon-us.com/comaudit/default.asp>

**Sponsor:** Louisville Gas and Electric

**Sponsor Type:** Utility

### Commercial Energy Audit

Paducah Power System will conduct a walkthrough of an industrial facility to identify ways to make the facility more energy efficient.

**For More Information:**

<http://www.paducahpower.com/commercialaudit.htm>

**Sponsor:** Paducah Power System

**Sponsor Type:** Utility

### Commercial Energy Audits

This utility offers free commercial energy audits to help businesses reduce energy costs.

**For More Information:**

[http://www.clarkenergy.com/energy-audit\\_commercial.aspx](http://www.clarkenergy.com/energy-audit_commercial.aspx)

**Sponsor:** Clark Energy Cooperative

**Sponsor Type:** Utility

### Commercial Energy Suite

Jackson Purchase Energy offers a commercial energy calculator, as well as information on energy systems and demand management.

**For More Information:**

<http://jpenergy.apogee.net/comsuite/>

**Sponsor:** Jackson Purchase Energy Corp.

**Sponsor Type:** Utility

### Commercial Energy Suite

Commercial Energy Suite provides energy tools and resources, such as an energy calculator and a tool to help customers understand their energy demand.

**For More Information:**

<http://lge.apogee.net/comsuite/>

**Sponsor:** Louisville Gas and Electric

**Sponsor Type:** Utility

## Comprehensive Services Program

Pennyrile Rural Electric Cooperative will conduct a walkthrough of a commercial or industrial facility to identify ways to make the facility more energy efficient.

### For More Information:

[http://www.precc.com/precc/comm\\_egcp.htm](http://www.precc.com/precc/comm_egcp.htm)

**Sponsor:** Pennyrile Rural Electric Cooperative

**Sponsor Type:** Utility

## Demand Conservation Program

This program is designed to reduce energy consumption during high-use periods. The utility will temporarily power down HVAC and water heaters during peak periods. Companies will receive a \$20 annual credit for enrolling in the program.

### For More Information:

<http://www.eon-us.com/dc/default.asp>

**Sponsor:** Kentucky Utilities

**Sponsor Type:** Utility

## Demand Conservation Program

This program is designed to reduce energy consumption during high-use periods. The utility will temporarily power down HVAC and water heaters during peak periods. Companies will receive a \$20 annual credit for enrolling in the program.

### For More Information:

<http://www.eon-us.com/dc/default.asp>

**Sponsor:** Louisville Gas and Electric

**Sponsor Type:** Utility

## Energy Audit Program

Kentucky Pollution Prevention Center will conduct a walkthrough of an industrial facility to identify ways to make the facility more energy efficient.

### For More Information:

<https://louisville.edu/kppc/services.html>

**Sponsor:** Kentucky Pollution Prevention Center

**Sponsor Type:** Nonprofit

## Energy Management Audits

Warren Rural Electric Cooperative Corporation offers industrial and commercial customers energy audits of facilities. An energy specialist will examine existing systems and identify ways to make the systems more energy efficient.

### For More Information:

<http://www.wrecc.com/commind.aspx>

**Sponsor:** Warren Rural Electric Cooperative Corporation

**Sponsor Type:** Utility

## Energy Matters

This program offers free energy management tools and resources.

### For More Information:

<http://www.atmosenergy.com/business/energymatters.html>

**Sponsor:** ATMOS energy

**Sponsor Type:** Utility

## Energy Profiler Online

Energy Profiler Online (EPO) is one of the leading Web-based tools to help customers effectively track and manage electric usage.

### For More Information:

<http://www.duke-energy.com/ken-tucky-large-business/energy-efficiency/energy-profiler-online.asp>

**Sponsor:** Duke Energy Kentucky, Inc.

**Sponsor Type:** Utility

## Energy Services

Seminole Energy Services offers businesses services including peak shaving, load management, energy audits, and consulting services.

### For More Information:

<http://www.seminoleenergy.com/services.commercial.aspx>

**Sponsor:** Seminole Energy Services

**Sponsor Type:** Other

## Industrial/Commercial Services

Blue Grass Energy offers a number of services to commercial and industrial customers, including assistance with power quality, power factor correction, distributed generation, energy management systems, and exterior lighting.

### For More Information:

<http://www.bgenergy.com/industrialCommercialServices.aspx>

**Sponsor:** Blue Grass Energy

**Sponsor Type:** Utility

## Online Business Energy Analysis

This is a free online energy analysis tool to help businesses manage costs and improve energy use.

### For More Information:

<http://www.duke-energy.com/ken-tucky-business/energy-management/toolkit-online-business-energy-analysis.asp>

**Sponsor:** Duke Energy Kentucky, Inc.

**Sponsor Type:** Utility

## PowerShare®

PowerShare provides the opportunity for customers to profit from curtailment of energy usage. Duke Energy will work with customers to help them better understand their unique energy consumption profile. Duke Energy can then assist in developing a customized plan that identifies potential curtailable loads.

### For More Information:

<http://www.duke-energy.com/ken-tucky-large-business/energy-efficiency/incentives-assessments.asp>

**Sponsor:** Duke Energy Kentucky, Inc.

**Sponsor Type:** Utility

## Technical Assistance

Some of the engineering and technical services offerings available through this program include HVAC and water heater analysis, lighting assistance and recommendations, power quality/factor assistance and recommendations, energy audits, demand side management recommendations, infrared scanning services, ultrasonic testing, residential technical assistance, meter testing/load profile, and geothermal test bores.

### For More Information:

<http://hop-electric.com/qcms/index.asp?Page=technical%20assistance>

**Sponsor:** Hopkinsville Electric System  
**Sponsor Type:** Utility

## U.S. Department of Energy Industrial Assessment Center (IAC): Tennessee Tech University

Tennessee's 3-Star Industrial Assessment Center provides no-cost energy assessments to manufacturing plants across Tennessee and portions of Kentucky, Virginia, West Virginia, North Carolina, and Arkansas.

### For More Information:

<http://www.tntech.edu/iac/home/>

**Sponsor:** U.S. Department of Energy  
**Sponsor Type:** Federal

## U.S. Department of Energy Industrial Assessment Center (IAC): University of Dayton

The University of Dayton IAC provides eligible small-and medium-sized manufacturers within about 150 miles of the campus with free energy assessments.

### For More Information:

[http://www1.eere.energy.gov/industry/bestpractices/industrial\\_assessment\\_center\\_locations.html#dayton](http://www1.eere.energy.gov/industry/bestpractices/industrial_assessment_center_locations.html#dayton)

**Sponsor:** U.S. Department of Energy  
**Sponsor Type:** Federal

## U.S. Department of Energy Industrial Assessment Center (IAC): West Virginia University

The West Virginia University IAC provides no-cost assessments to small- and mid-sized manufacturers within about 150 miles of the campus, identifying opportunities to save energy, reduce waste, and improve productivity.

### For More Information:

<http://www2.cemr.wvu.edu/~wwwiac/>

**Sponsor:** U.S. Department of Energy  
**Sponsor Type:** Federal

## Constellation NewEnergy Online

This energy-management tool 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

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

- <sup>1</sup> U.S. Department of Energy, Industrial Technologies Program, State and Regional Partnerships, “Industrial Technologies Program Activities in Kentucky.” [http://www1.eere.energy.gov/industry/states/state\\_activities/map\\_new.asp?stid=KY](http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=KY).
- <sup>2</sup> Energy Information Administration, “State/Territory Energy Profiles,” Accessed October 4, 2010. [http://tonto.eia.doe.gov/state/state\\_energy\\_profiles.cfm?sid=KY](http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=KY).



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**ENERGY**

Energy Efficiency &  
Renewable Energy