

Electronic Handbook of Industrial Resources

# GEORGIA



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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 Georgia. 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

Georgia has a total of 9.8 million residents and ranks 10th in the nation in terms of GDP, which is \$397.8 billion. The state is home to 14 Fortune 500 companies. In 2008, Georgia ranked 10th in the nation for industrial energy consumption at 812.0 trillion Btu and 13th in the nation for industrial natural gas consumption at 154.5 trillion Btu.<sup>1</sup>

Georgia's primary fuel for electricity is coal. Georgia's energy intensive wood and paper products industry has played a role in the industrial sector becoming the largest energy consuming sector in Georgia. Georgia also has two nuclear power plants that account for approximately one-fourth of its electricity generation.<sup>2</sup>

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

| Year | Georgia Energy Consumption (Trillion Btu) | National Average (Trillion Btu) |
|------|---|---------------------------------|
| 2000 | 952.3                                     | 680.2                           |
| 2001 | 883.2                                     | 642.8                           |
| 2002 | 981.5                                     | 642.0                           |
| 2003 | 917.3                                     | 639.6                           |
| 2004 | 954.9                                     | 658.7                           |
| 2005 | 925.6                                     | 696.7                           |
| 2006 | 921.0                                     | 636.6                           |
| 2007 | 888.5                                     | 637.0                           |
| 2008 | 812.0                                     | 614.8                           |

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

# Georgia at a Glance

## State Information

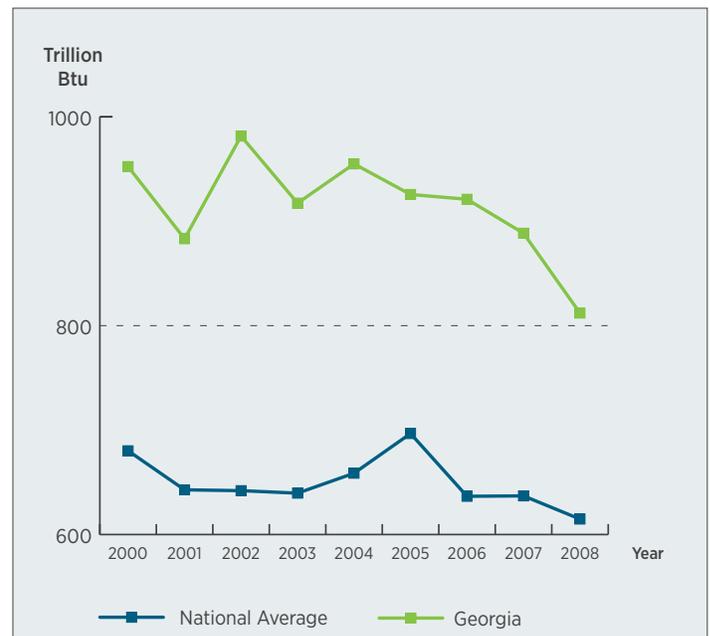
|                           |         |
|---------------------------|---------|
| 2009 Population (Million) | 9.8     |
| 2008 GDP (Billion)        | \$397.8 |
| Rank by GDP               | 10      |

## Energy Statistics

|   |         |
|---|---------|
| Total Energy Consumption 2008 (Trillion Btu)            | 3,015.4 |
| Total Industrial Energy Consumption 2008 (Trillion Btu) | 812.0   |
| Total Industrial Energy Consumption Rank                | 10      |
| Total Industrial Electricity Use 2008 (Trillion Btu)    | 111.0   |
| Total Industrial Electricity Use Rank                   | 10      |
| Total Industrial Natural Gas Use 2008 (Trillion Btu)    | 154.5   |
| Total Industrial Natural Gas Use Rank                   | 13      |

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

**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 Energy Services

Jackson Electric Membership Corporation offers a wide range of energy services that will help companies operate efficiently. These services include energy audits, energy management, design assistance, technology assessment and application, onsite evaluation, and power quality.

**For More Information:**

<http://www.jacksonemc.com/C-I-Energy-Services.61.0.html>

**Sponsor:** Jackson Electric Membership Corp.

**Sponsor Type:** Utility

#### Commercial Energy Audits

Electric Membership Corporation offers FREE commercial energy audits. A walkthrough with a visual inspection can be scheduled, and recommendations will be provided to improve a business' efficiency.

**For More Information:**

<http://www.sawnee.com/commercial-center/audits.aspx>

**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

#### Commercial Incentives and Rebates

Member businesses can receive grants for making recommended improvements to facilities. A member must have an onsite evaluation performed by a Commercial Marketing Representative (CMR) and accompanied by the CMR's recommended measures to be eligible for grant money.

**For More Information:**

<http://www.sawnee.com/commercial-center/incentives.aspx>

**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

#### Commercial and Industrial Agricultural Services

Central Georgia EMC offers business services that include energy audits, value engineering, process audits, and power quality and surge suppression assistance.

**For More Information:**

<http://www.cgemc.com/comind.aspx>

**Sponsor:** Central Georgia EMC

**Sponsor Type:** Utility

## Electricity Sales and Use Tax Exemption

Electricity purchased that interacts directly with the manufacturing of a product is exempt from sales tax when the total cost of the electricity exceeds 50% of the cost of all materials used, including electricity, in making the product.

### For More Information:

[http://www.dca.state.ga.us/economic/TaxCredits/programs/downloads/summaryTC\\_Best2006.pdf](http://www.dca.state.ga.us/economic/TaxCredits/programs/downloads/summaryTC_Best2006.pdf)

**Sponsor:** Georgia Department of Community Affairs

**Sponsor Type:** State

## Energy Right Solutions

North Georgia EMC and TVA are teaming together to offer assessments and recommendations on lighting, HVAC, power quality, power factor, infrared scanning, industrial expansion, and demand-side management.

### For More Information:

<http://www.ngemc.com/businessIndustry.htm>

**Sponsor:** North Georgia Electric Membership Corp.

**Sponsor Type:** Utility

## Energy Saving Tips

The Energy Saving Program provides information to help businesses improve energy efficiency and the bottom line.

### For More Information:

<http://www.georgiapower.com/tac/energytips.asp>

**Sponsor:** Georgia Power Company

**Sponsor Type:** Utility

## Existing Home or Business Energy Grant

Members can receive grants for making recommended improvements to a home or business. A member must have an onsite evaluation performed by an Energy Service Representative (ESR) and accompanied by the ESR's recommended measures to be eligible for grant money.

### For More Information:

<http://www.sawnee.com/commercial-center/incentives.aspx>

**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

## Free Energy Audits

The Cartersville Electric System can offer free energy audits for residential, commercial, and industrial customers.

### For More Information:

<http://www.cityofcartersville.org/index.asp?nid=232>

**Sponsor:** Cartersville Electric System

**Sponsor Type:** Utility

## Industrial Energy Efficiency Grant Program

This grant program is meant to provide funding for energy efficiency programs, equipment, and market transformation activities that increase the adoption of energy efficient technology and practices in Georgia's industrial sector. The agency will award between two and five grants through this program, with an amount between \$400,000 and \$1,000,000 per project.

### For More Information:

<http://www.gefa.org/Index.aspx?page=476>

**Sponsor:** Georgia Environmental Facilities Authority

**Sponsor Type:** State

## Products and Services

Hart EMC offers business members site planning, onsite energy audit, and power quality services.

### For More Information:

[http://www.hartemc.com/index.asp?name=Products\\_%26\\_Services&ew=true&leftnav=true&lid=24](http://www.hartemc.com/index.asp?name=Products_%26_Services&ew=true&leftnav=true&lid=24)

**Sponsor:** Hart Membership Cooperative

**Sponsor Type:** Utility

## Services for Manufacturers

Georgia Tech's Enterprise Innovation Institute (EI2) provides a comprehensive set of services designed to improve the competitiveness of Georgia manufacturing companies. These services include direct technical and engineering assistance, continuing education courses, networking opportunities, and connecting companies to Georgia Tech resources. EI2 is a NIST Manufacturing Extension Partnership affiliate and serves manufacturers from Georgia Tech regional offices located throughout the state.

### For More Information:

<http://innovate.gatech.edu/services/services-to-manufacturers/>

**Sponsor:** Georgia Tech Enterprise Innovation Institute

**Sponsor Type:** Other

## Technology Application Center

The Technology Application Center provides advice regarding, and demonstration of, advanced manufacturing technologies. Experts are able to assist businesses with problem solving and evaluating what technology makes the most sense for businesses, both technically and economically.

### For More Information:

<http://www.georgiapower.com/tac/home.asp>

**Sponsor:** Georgia Power Company

**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

## Industrial Resources

TVA provides support, technology, expertise, and financial resources to existing businesses and industries in the region to help facilitate growth and increase efficiency and profitability. These resources include technical assistance, low-interest loans, and other tools needed by businesses for successful operation.

### For More Information:

<http://www.tvaed.com/existing.htm>

**Sponsor:** Tennessee Valley Authority Economic Development

**Sponsor Type:** Other

## Lighting

### Commercial & Industrial Energy Services

Jackson Electric Membership Corporation offers a wide range of energy services that will help a company operate efficiently. These services include energy audits, energy management, design assistance, technology assessment and application, onsite evaluation, and power quality.

### For More Information:

<http://www.jacksonemc.com/C-I-Energy-Services.61.0.html>

**Sponsor:** Jackson Electric Membership Corp.

**Sponsor Type:** Utility

### Energy Right Solutions

North Georgia EMC and TVA are teaming together to offer assessments and recommendations on lighting, HVAC, power quality, power factor, infrared scanning, industrial expansion, and demand-side management.

**For More Information:** <http://www.ngemc.com/businessIndustry.htm>

**Sponsor:** North Georgia Electric Membership Corp.

**Sponsor Type:** Utility

## HVAC

### Commercial & Industrial Energy Services

Jackson Electric Membership Corporation offers a wide range of energy services that will help a company operate efficiently. These services include energy audits, energy management, design assistance, technology assessment and application, onsite evaluation, and power quality.

### For More Information:

<http://www.jacksonemc.com/C-I-Energy-Services.61.0.html>

**Sponsor:** Jackson Electric Membership Corp.

**Sponsor Type:** Utility

## Electric Resistance Water Heating

Walton EMC offers businesses rebates for 40-gallon or larger water heating units.

### For More Information:

<http://www.waltonemc.com/commercial/index.php?page=rebates>

**Sponsor:** Walton EMC

**Sponsor Type:** Utility

### Energy Right Solutions

North Georgia EMC and TVA are teaming together to offer assessments and recommendations on lighting, HVAC, power quality, power factor, infrared scanning, industrial expansion, and demand-side management.

### For More Information:

<http://www.ngemc.com/businessIndustry.htm>

**Sponsor:** North Georgia Electric Membership Corp.

**Sponsor Type:** Utility

### Heat Pumps

Walton EMC offers rebates to businesses for energy efficient heat pumps.

### For More Information:

<http://www.waltonemc.com/commercial/index.php?page=rebates>

**Sponsor:** Walton EMC

**Sponsor Type:** Utility

### Natural Gas Furnace

The city of Adel offers rebates for purchasing natural gas furnace appliances.

### For More Information:

<http://www.cityofadel.us/Utilities/Utilities.html>

**Sponsor:** City of Adel Gas Department

**Sponsor Type:** Utility

## Natural Gas Water Heating Rebate

The city of Adel offers rebates for purchasing natural gas water heating appliances.

**For More Information:**<http://www.cityofadel.us/Utilities/Utilities.html>

**Sponsor:** City of Adel Gas Department  
**Sponsor Type:** Utility

## Building Systems

### Energy Right Solutions

North Georgia EMC and TVA are teaming together to offer assessments and recommendations on lighting, HVAC, power quality, power factor, infrared scanning, industrial expansion, and demand-side management.

**For More Information:**  
<http://www.ngemc.com/businessindustry.htm>

**Sponsor:** North Georgia Electric Membership Corp.  
**Sponsor Type:** Utility

### Investment Tax Credit

Investment tax credits are available to an existing manufacturing or telecommunications business that has operated a facility in Georgia for three years prior to the investment and invests \$50,000 or more. Investment tax credits generally range from 8% to 1% of qualified capital investment. The exact credit depends on the tier level of the county where the investment occurs. Higher level credits range from 8% to 3% for investment in recycled equipment, pollution control equipment, and for the conversion of a defense plant to manufacturing of a new product. The recycle, pollution control, and defense conversion options are available only for manufacturing plants. Taxpayers must choose either the investment tax credit or the job tax credit.

**For More Information:**  
<http://www.georgia.org/BusinessIn-Georgia/RelocatingExpanding/Taxation/Pages/InvestmentTaxIncentives.aspx>

**Sponsor:** Georgia Department of Economic Development  
**Sponsor Type:** State

### Job Tax Credit Program

This program provides for a statewide job tax credit for any business or headquarters of any such business engaged in the manufacturing, warehousing and distribution, processing, telecommunications, tourism, or research and development industry sectors.

**For More Information:**  
<http://www.dca.state.ga.us/economic/taxcredits/programs/taxcredit.asp>

**Sponsor:** Georgia Department of Community Affairs  
**Sponsor Type:** State

### Preconstruction Assistance

Griffin Power offers this assistance to industrial customers for either the planning a new facility or an addition to an existing facility. Griffin's utility personnel can provide valuable assistance before construction begins in helping customers select electro-technologies that will improve operating efficiency and productivity.

**For More Information:**  
<http://www.cityofgriffin.com/Departments/Electric/ElectricServices/Industrial.aspx>

**Sponsor:** Griffin Power  
**Sponsor Type:** Utility

## Research and Development Tax Credit

Ten percent of a company's increased qualified research and development expense over its gross receipts may be claimed as a tax credit. Georgia taxpayers must qualify for a research credit under the IRS code to be eligible. Emerging companies can apply the credit to offset payroll withholding once all other tax liability has been exhausted for the first five years.

**For More Information:**  
<http://www.georgia.org/BUSINESSIN-GEORGIA/RELOCATINGEXPANDING/TAXATION/Pages/ResearchDevelopmentTaxCredit.aspx>

**Sponsor:** Georgia Department of Economic Development  
**Sponsor Type:** State

### Sales and Use Tax Exemption

Manufacturing production machinery is exempt from state and local sales tax, as well as machinery or components bought to upgrade or replace existing machinery; additionally, the exemption covers the re-manufacturing of aircraft engines and components.

**For More Information:**  
<http://www.georgia.org/BusinessIn-Georgia/RelocatingExpanding/Taxation/Pages/SalesUseTax.aspx>

**Sponsor:** Georgia Department of Economic Development  
**Sponsor Type:** State

### Technical Services and Support

Cartersville Electric System offers various technical services and support systems, such as energy efficient design assistance, infrared scanning of facilities, electrical equipment and apparatus, and state of the art electronic metering.

**For More Information:**  
<http://www.cityofcartersville.org/index.aspx?NID=57>

**Sponsor:** Cartersville Electric System  
**Sponsor Type:** Utility

## Waste Heat Recovery

Walton offers this rebate to commercial customers for new or existing buildings. The rebate is \$500 per ton of installed capacity.

### For More Information:

<http://www.waltonemc.com/commercial/index.php?page=rebates>

**Sponsor:** Walton EMC

**Sponsor Type:** Utility

## Industrial Systems / Process Specific

### Commercial & Industrial Energy Services

Jackson Electric Membership Corporation offers a wide range of energy services that will help a company operate efficiently. These services include energy audits, energy management, design assistance, technology assessment and application, onsite evaluation, and power quality.

### For More Information:

<http://www.jacksonemc.com/C-I-Energy-Services.61.0.html>

**Sponsor:** Jackson Electric Membership Corp.

**Sponsor Type:** Utility

### Electrotechnology Updates

The technology of manufacturing is changing on a daily basis. To help customers make the most of electricity purchases, Griffin Power offers information on emerging electro-technologies that may improve businesses' operating efficiency and lower manufacturing costs.

### For More Information:

<http://www.cityofgriffin.com/Departments/Electric/ElectricServices/Industrial.aspx>

**Sponsor:** Griffin Power

**Sponsor Type:** Utility

## Energy Right Solutions

North Georgia EMC and TVA are teaming together to offer assessments and recommendations on lighting, HVAC, power quality, power factor, infrared scanning, industrial expansion, and demand-side management.

### For More Information:

<http://www.ngemc.com/businessindustry.htm>

**Sponsor:** North Georgia Electric Membership Corp.

**Sponsor Type:** Utility

### Investment Tax Credit

Investment tax credits are available to an existing manufacturing or telecommunications business that has operated a facility in Georgia for three years prior to the investment and invests \$50,000 or more. Investment tax credits generally range from 8% to 1% of qualified capital investment. The exact credit depends on the tier level of the county where the investment occurs. Higher level credits range from 8% to 3% for investment in recycled equipment, pollution control equipment, and for the conversion of a defense plant to manufacturing of a new product. The recycle, pollution control, and defense conversion options are available only for manufacturing plants. Taxpayers must choose either the investment tax credit or the job tax credit.

### For More Information:

<http://www.georgia.org/BusinessIn-Georgia/RelocatingExpanding/Taxation/Pages/InvestmentTaxIncentives.aspx>

**Sponsor:** Georgia Department of Economic Development

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### Job Tax Credit Program

This program provides for a statewide job tax credit for any business or headquarters of any such business engaged in the manufacturing, warehousing and distribution, processing, telecommunications, tourism, or research and development industry sectors.

### For More Information:

<http://www.dca.state.ga.us/economic/taxcredits/programs/taxcredit.asp>

**Sponsor:** Georgia Department of Community Affairs

**Sponsor Type:** State

### Port Tax Credit Bonus for Investment Tax Credit

The port bonus increases the investment tax credit to the equivalent of a Tier 1 (\$4,000) location, regardless of the tier level. The port bonus would therefore be equal to 5% of the qualified investment in expenses directly related to manufacturing or providing telecommunications services, with the credit increasing to 8% for recycling, pollution control, and defense conversion. The port bonus is limited to 50% of income tax liability.

### For More Information:

<http://georgia.org/SiteCollection-Documents/Business/Taxation/2009-Tax%20Incentive%20Brochure.pdf>

**Sponsor:** Georgia Department of Community Affairs

**Sponsor Type:** State

### Preconstruction Assistance

Griffin Power offers this assistance to industrial customers for the planning of a new facility or an addition to an existing facility. Griffin's utility personnel can provide valuable assistance before construction begins in helping customers select electro-technologies that will improve operating efficiency and productivity.

### For More Information:

<http://www.cityofgriffin.com/Departments/Electric/ElectricServices/Industrial.aspx>

**Sponsor:** Griffin Power

**Sponsor Type:** Utility

## Research and Development Tax Credit

Ten percent of a company's increased qualified research and development expense over gross receipts may be claimed as a tax credit. Georgia taxpayers must qualify for a research credit under the IRS code to be eligible. Emerging companies can apply the credit to offset payroll withholding once all other tax liability has been exhausted for the first five years.

### For More Information:

<http://www.georgia.org/BUSINESSIN-GEORGIA/RELOCATINGEXPANDING/TAXATION/Pages/ResearchDevelopmentTaxCredit.aspx>

**Sponsor:** Georgia Department of Economic Development

**Sponsor Type:** State

## Sales and Use Tax Exemption

Manufacturing production machinery is exempt from state and local sales tax, as well as machinery or components bought to upgrade or replace existing machinery; additionally, the exemption covers the re-manufacturing of aircraft engines and components.

### For More Information:

<http://www.georgia.org/BusinessIn-Georgia/RelocatingExpanding/Taxation/Pages/SalesUseTax.aspx>

**Sponsor:** Georgia Department of Economic Development

**Sponsor Type:** State

## Technical Services and Support

Cartersville Electric System offers various technical services and support systems, such as energy efficient design assistance, infrared scanning of facilities, electrical equipment and apparatus, and state of the art electronic metering.

### For More Information:

<http://www.cityofcartersville.org/index.aspx?NID=57>

**Sponsor:** Cartersville Electric System

**Sponsor Type:** Utility

## Waste Heat Recovery

Walton offers this rebate to commercial customers for new or existing buildings. The rebate is \$500 per ton of installed capacity.

### For More Information:

<http://www.waltonemc.com/commercial/index.php?page=rebates>

**Sponsor:** Walton EMC

**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

### Biomass Use and Sale Tax Exemption

To qualify for the exemption, biomass material must be utilized in the production of energy, including the production of electricity, steam, or both electricity and steam. Pellets and fuels derived from biomass are generally eligible.

### For More Information:

[http://www.legis.state.ga.us/legis/2005\\_06/fulltext/hb1018.htm](http://www.legis.state.ga.us/legis/2005_06/fulltext/hb1018.htm)

**Sponsor:** State of Georgia

**Sponsor Type:** State

### Electricity Sales and Use Tax Exemption

Electricity purchased that interacts directly with the manufacturing of a product is exempt from sales tax when the total cost of the electricity exceeds 50% of the cost of all materials used, including electricity, in making the product.

### For More Information:

[http://www.dca.state.ga.us/economic/TaxCredits/programs/downloads/summaryTC\\_Best2006.pdf](http://www.dca.state.ga.us/economic/TaxCredits/programs/downloads/summaryTC_Best2006.pdf)

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The Cartersville Electric System can offer a free energy audit for residential, commercial, and industrial customers.

### For More Information:

<http://www.cityofcartersville.org/index.asp?nid=232>

**Sponsor:** Cartersville Electric System

**Sponsor Type:** Utility

## 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 the total energy purchase 100% carbon neutral.

### For More Information:

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

**Sponsor:** Hess Energy

**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 electricity usage.

### For More Information:

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

**Sponsor:** Hess Energy

**Sponsor Type:** Other

## Research and Development Tax Credit

Ten percent of a company's increased qualified research and development expense over its gross receipts may be claimed as a tax credit. Georgia taxpayers must qualify for a research credit under the IRS code to be eligible. Emerging companies can apply the credit to offset payroll withholding once all other tax liability has been exhausted for the first five years.

### For More Information:

<http://www.georgia.org/BUSINESSIN-GEORGIA/RELOCATINGEXPANDING/TAXATION/Pages/ResearchDevelopmentTaxCredit.aspx>

**Sponsor:** Georgia Department of Economic Development

**Sponsor Type:** State

## Technology Application Center

The Technology Application Center provides advice regarding, and demonstration of, advanced manufacturing technologies. Experts are able to assist businesses with problem solving and evaluating what technology makes the most sense for businesses, both technically and economically.

### For More Information:

<http://www.georgiapower.com/tac/home.asp>

**Sponsor:** Georgia Power Company

**Sponsor Type:** Utility

## Waste Heat Recovery

Walton offers this rebate to commercial customers for new or existing buildings. The rebate is \$500 per ton of installed capacity.

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### For More Information:

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

**Sponsor:** Constellation NewEnergy

**Sponsor Type:** Utility

## Load Management

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**Sponsor:** Jackson Electric Membership Corp.

**Sponsor Type:** Utility

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Electric Membership Corporation offers FREE commercial energy audits. A walkthrough with a visual inspection can be scheduled, and recommendations will be provided to improve a business' efficiency.

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**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

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<http://www.sawnee.com/commercial-center/incentives.aspx>

**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

## Commercial, Industrial and Agricultural Services

Central Georgia EMC offers business services that include energy audits, value engineering, process audits, and power quality and surge suppression assistance.

### For More Information:

<http://www.cgemc.com/comind.aspx>

**Sponsor:** Central Georgia EMC

**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 the 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 the customers fulfill the commitment during a demand response event, Hess will provide more compensation.

### For More Information:

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

**Sponsor:** Hess Energy

**Sponsor Type:** Other

## Electricity Sales and Use Tax Exemption

Electricity purchased that interacts directly with the manufacturing of a product is exempt from sales tax when the total cost of the electricity exceeds 50% of the cost of all materials used, including electricity, in making the product.

### For More Information:

[http://www.dca.state.ga.us/economic/TaxCredits/programs/downloads/summaryTC\\_Best2006.pdf](http://www.dca.state.ga.us/economic/TaxCredits/programs/downloads/summaryTC_Best2006.pdf)

**Sponsor:** Georgia Department of Community Affairs

**Sponsor Type:** State

## Energy Management Services

Energy Management Services (EMS) provides evaluation of a customer's total energy use for establishing energy conservation solutions that reduce the customer's annual energy expenses. EMS utilizes equipment inventory reports, historical energy bills, walkthrough 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

## Energy Right Solutions

North Georgia EMC and TVA are teaming together to offer assessments and recommendations on lighting, HVAC, power quality, power factor, infrared scanning, industrial expansion, and demand-side management.

### For More Information:

<http://www.ngemc.com/businessIndustry.htm>

**Sponsor:** North Georgia Electric Membership Corp.

**Sponsor Type:** Utility

## Energy Saving Tips

The Energy Saving Program provides information to help businesses improve energy efficiency and the bottom line.

### For More Information:

<http://www.georgiapower.com/tac/energytips.asp>

**Sponsor:** Georgia Power Company

**Sponsor Type:** Utility

## EnergyDirect

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

### For More Information:

<https://www.energydirect.com/NonSecure/EnergyDirectHome.aspx?ReturnUrl=%2fdefault.aspx>

**Sponsor:** Georgia Power Company

**Sponsor Type:** Utility

## Existing Home or Business Energy Grant

Members can receive grants for making recommended improvements to a home or business. The member must have an onsite evaluation performed by an Energy Service Representative (ESR) and accompanied by the ESR's recommended measures to be eligible for grant money.

### For More Information:

<http://www.sawnee.com/commercial-center/incentives.aspx>

**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

## Free Energy Audits

The Cartersville Electric System can offer a free energy audit for residential, commercial, and industrial customers.

### For More Information:

<http://www.cityofcartersville.org/index.asp?nid=232>

**Sponsor:** Cartersville Electric System

**Sponsor Type:** Utility

## Load Management Program

Sawnee EMC can install a load management switch for air conditioners or heat pumps, for which customers will receive a \$12 credit on June, July, and August bills. This switch allows the unit to be cycled off for brief intervals during times of peak demand. By helping to control peak demand, customers can help keep power costs lower and conserve energy.

### For More Information:

<http://www.sawnee.com/Business/under900.aspx>

**Sponsor:** Sawnee Electric Membership Corporation

**Sponsor Type:** Utility

## Power Quality Audits

Energy efficiency experts from MEAG Power are available to analyze electrical disturbances in an attempt to identify the cause. Once the cause is found, experts recommend actions that can be taken to eliminate or minimize the problems, thereby improving efficiency and profitability.

### For More Information:

<http://www.cityofgriffin.com/Departments/Electric/ElectricServices/Industrial.aspx>

**Sponsor:** Griffin Power

**Sponsor Type:** Utility

## Products and Services

Hart EMC offers business members site planning, onsite energy audit, and power quality services.

### For More Information:

[http://www.hartemc.com/index.asp?name=Products\\_%26\\_Services&new=true&leftnav=true&lid=24](http://www.hartemc.com/index.asp?name=Products_%26_Services&new=true&leftnav=true&lid=24)

**Sponsor:** Hart Membership Cooperative

**Sponsor Type:** Utility

## Services for Manufacturers

Georgia Tech's Enterprise Innovation Institute (EI2) provides a comprehensive set of services designed to improve the competitiveness of Georgia manufacturing companies. These services include direct technical and engineering assistance, continuing education courses, networking opportunities, and connecting companies to Georgia Tech resources. EI2 is a NIST Manufacturing Extension Partnership affiliate and serves manufacturers from Georgia Tech regional offices located throughout the state.

### For More Information:

<http://innovate.gatech.edu/services/services-to-manufacturers/>

**Sponsor:** Georgia Tech Enterprise Innovation Institute

**Sponsor Type:** Other

## Technology Application Center

The Technology Application Center provides advice regarding, and demonstration of, advanced manufacturing technologies. Experts are able to assist businesses with problem solving and evaluating what technology makes the most sense for businesses, both technically and economically.

### For More Information:

<http://www.georgiapower.com/tac/home.asp>

**Sponsor:** Georgia Power Company

**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

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

## Power Analysis

TVA power experts can analyze industrial energy consumption and help customers use power more efficiently.

### For More Information:

<http://www.tvaed.com/existing.htm>

**Sponsor:** Tennessee Valley Authority Economic Development

**Sponsor Type:** Other

## End Notes

- <sup>1</sup> U.S. Department of Energy, Industrial Technologies Program, State and Regional Partnerships, “Industrial Technologies Program Activities in Georgia.” [http://www1.eere.energy.gov/industry/states/state\\_activities/map\\_new.asp?stid=GA](http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=GA).
- <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=GA](http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=GA).

**EERE Information Center**

1-877-EERE-INFO (1-877-337-3463)

*[www.eere.energy.gov/informationcenter](http://www.eere.energy.gov/informationcenter)*

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Energy Efficiency &  
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