

Electronic Handbook of Industrial Resources

MISSISSIPPI



Electronic Handbook of Industrial Resources

MISSISSIPPI

November 2010

Introduction

This resource provides a comprehensive listing of incentives, tools, and resources for industrial manufacturing energy efficiency in the state of Mississippi. 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



Contents

Introduction	2
State Industrial Overview	4
Federal and National Industrial Energy Efficiency Programs	5
State Incentives by Industrial System	5
Industrial Systems General	5
Lighting	7
HVAC	7
Building Systems	7
Industrial Systems / Process Specific	8
Energy Sources	8
Load Management	9
End Notes	11

State Industrial Overview

Mississippi has a total of 3.0 million residents and ranks 36th in the nation in terms of GDP, which is \$91.8 billion. In 2008, Mississippi ranked 24th in the nation's industrial energy consumption at 420.9 trillion Btu and 18th in the nation's industrial natural gas consumption at 118.1 trillion Btu.¹

Mississippi is one of the few states that allow the use of conventional motor gasoline statewide. Although Mississippi is active in oil and gas production, it does not produce enough to meet the state's high demand. Mississippi's Grand Gulf Nuclear Power Station has a reactor that supplies approximately 25% of the state's generated electricity.²

Exhibit 1 below compares the industrial energy consumption in Mississippi 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 Mississippi

Year	Mississippi Energy Consumption (Trillion Btu)	National Average (Trillion Btu)
2000	463.7	680.2
2001	424.2	642.8
2002	416.8	642.0
2003	416.8	639.6
2004	449.1	658.7
2005	429.5	696.7
2006	446.8	636.6
2007	453.9	637.0
2008	420.9	614.8

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

Mississippi at a Glance

State Information

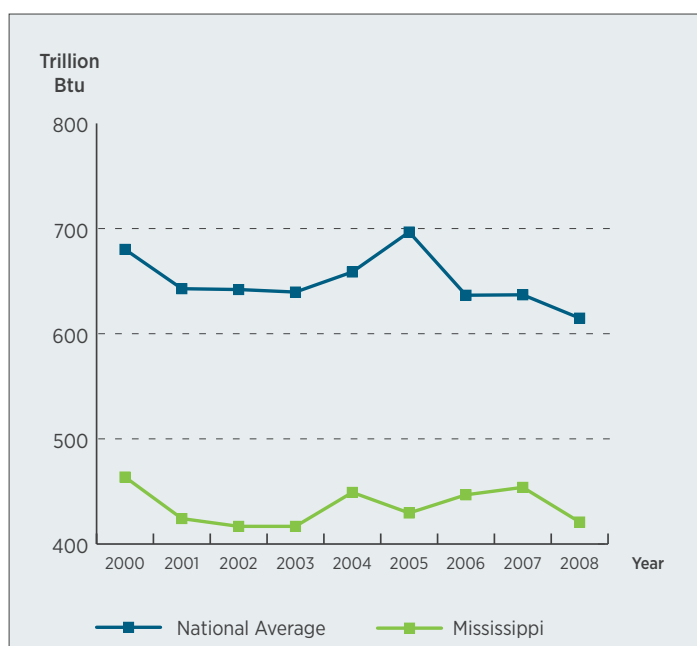
2009 Population (Million)	3.0
2008 GDP (Billion)	\$91.8
Rank by GDP	36

Energy Statistics

Total Energy Consumption 2008 (Trillion Btu)	1,185.6
Total Industrial Energy Consumption 2008 (Trillion Btu)	420.9
Total Industrial Energy Consumption Rank	24
Total Industrial Electricity Use 2008 (Trillion Btu)	55.3
Total Industrial Electricity Use Rank	23
Total Industrial Natural Gas Use 2008 (Trillion Btu)	118.1
Total Industrial Natural Gas Use Rank	18

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

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 Program

The Energy Division is committed to helping the commercial and industrial sectors save energy, which helps lower operating costs and improves productivity. Industries of the Future (IOF) focuses on the reduction of energy requirements in manufacturing, while stimulating economic productivity and growth.

For More Information:
<http://www.mississippi.org/index.php?id=20>

Sponsor: Mississippi Development Authority Energy Division
Sponsor Type: State

Commercial Energy Audits

Coast Electric Power Association provides energy audits for commercial customers. A representative from the cooperative will walk through a customer's business and identify existing systems that could be made more energy efficient.

For More Information:
<http://www.coastepa.com/comaudit.aspx>

Sponsor: Coast Electric Power Association
Sponsor Type: Utility

Comprehensive Services

The utility offers several incentives to help commercial and industrial customers become energy efficient. Incentives include technical analysis, energy audits, and lighting audits.

For More Information: <http://www.ci.tupelo.ms.us/water-light/CSP.htm>

Sponsor: Tupelo Water and Light
Sponsor Type: Utility

Earthcents - Business

Mississippi Power provides many energy saving ideas and services for commercial and industrial customers. By performing a Technical Energy Checkup, Mississippi Power can make efficiency recommendations tailored to each customer.

For More Information:
http://www.mississippipower.com/earthcents/ec_business.asp

Sponsor: Mississippi Power
Sponsor Type: Utility

Energy Audit

A representative from the cooperative will analyze a member's facility to determine how to make it more energy efficient.

For More Information:

<http://www.emepa.com/energyAudit.aspx>

Sponsor: East Mississippi Electric Power Association

Sponsor Type: Utility

Energy Investment Loan Program

Mississippi offers low-interest loans for renewable energy and energy efficiency projects. Industries that are eligible under this program include manufacturers, national or regional headquarters, telecommunications and data processing facilities, retail centers, research and development facilities, warehouses, and distribution centers.

For More Information:

<http://www.mississippi.org/index.php?id=340>

Sponsor: Mississippi Development Authority Energy Division

Sponsor Type: State

Energy Services

The Mississippi Development Authority Energy Division offers projects and services that accelerate the deployment of energy efficiency and renewable-energy technology, as well as facilitate the acceptance of emerging and underutilized efficiency and renewable technologies.

For More Information:

<http://www.mississippi.org/index.php?id=7>

Sponsor: Mississippi Development Authority Energy Division

Sponsor Type: State

Existing Industry Productivity Loan Program

Existing manufacturing industries that have been operating in the state for at least two years may apply for the Existing Industry Productivity Loan. The loan may only be used for job retention and improvement of productivity and competitiveness. The maximum loan amount per business is \$500,000.

For More Information:

<http://www.mississippi.org/index.php?id=294>

Sponsor: Mississippi Development Authority Energy Division

Sponsor Type: State

Manufacturing Investment Tax Credits

Existing manufacturers that have operated in Mississippi for two or more years may be eligible for investment tax credits that can be applied to the entity's state income tax liability. To qualify, an existing manufacturer must invest \$1 million or more in buildings and/or equipment used in the manufacturing operation. The investment credit is calculated as 5% of the eligible investment for a project.

For More Information:

<http://www.mstc.state.ms.us/revenue/incentive/2008IncentiveBook.pdf>

Sponsor: Mississippi State Tax Commission

Sponsor Type: State

Membership Benefits

Mississippi Manufacturers Association works hard to protect and promote the interests of all Mississippi manufacturers. The association provides their members with multiple services that include unlimited consultation services and seminars/training.

For More Information: http://www.mma-web.org/PageContent.aspx?url=/Page/membership_benefits&

Sponsor: Mississippi Manufacturers Association

Sponsor Type: Nonprofit

MsET Services

Mississippi Enterprise for Technology is a private nonprofit organization that provides technical and educational services to Mississippi businesses, such as technology forecasts and sources of financing.

For More Information:

<http://www.mset.org/service.php>

Sponsor: Mississippi Enterprise for Technology

Sponsor Type: Nonprofit

Our Services

North Mississippi Industrial Development Association provides extensive information and assistance directly to industry leaders, such as plant location and expansion assistance and information on financial incentives and training opportunity.

For More Information:

<http://www.nmida.com/services.html>

Sponsor: North Mississippi Industrial Development Association

Sponsor Type: Nonprofit

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

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

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

Industrial Resources

Tennessee Valley Authority (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

None found available.

HVAC

Commercial Heat Pump Rebate Program

Coast Electric Power Association is offering rebates of \$50 per ton for the purchase of heat pumps. This rebate is applicable to both new constructions and retrofit projects.

For More Information:

<http://www.coastepa.com/comheat-pump.aspx>

Sponsor: Coast Electric Power Association
Sponsor Type: Utility

Heat Pump Financing

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

Building Systems

Sales /Use Tax Exemption for Construction or Expansion

A sales and use tax exemption is available for the construction of a new facility or the expansion of an existing facility for manufacturers or processors within the state and for data/information enterprises and technology intensive enterprises that construct a new facility or expand an existing facility in the state. The amount of the exemption—either 50% or 100%—depends on where the facility is located.

For More Information:

<http://www.dor.ms.gov/taxareas/sales/exemptionssalestax.htm>

Sponsor: Mississippi State Tax Commission
Sponsor Type: State

Storefront Facade Grants

Grants are available for the rehabilitation of factories, stores, and multifamily dwellings in redevelopment areas of Jackson. Grants of up to \$20,000 are available for making a building more energy efficient, for upgrading the building exterior, and for adding extra security features.

For More Information:

<http://www.jacksonms.gov/government/planning/storefrontfacadegrants>

Sponsor: City of Jackson
Sponsor Type: Local

Sunscreen Program

The utility offers customers incentives on obtaining sunscreens for businesses. Sunscreens decrease the amount of energy used to cool a building.

For More Information:

<http://www.4county.org/sunscreen.php>

Sponsor: 4-County Electric Power Association
Sponsor Type: Utility

Water Heater Program

A customer is eligible to receive a \$50 rebate on the purchase of an energy efficient electric water heater.

For More Information:

<http://www.centralepa.com/ms.htm>

Sponsor: Central Electric Power Association

Sponsor Type: Utility

Water Heater Rebate

Alcorn County Electric Power Association is offering \$100 rebates toward the purchase of energy efficient water heaters. The water heater must be electric to qualify for the rebate.

For More Information:

<http://www.ace-power.com/Programspagegreen.html>

Sponsor: Alcorn County Electric Power Association

Sponsor Type: Utility

Water Heater Rebate

Customers are eligible to receive a \$50 rebate on the purchase of an energy efficient electric water heater.

For More Information:

http://www.northeastpower.org/special_offer.php

Sponsor: Northeast Mississippi Power Association

Sponsor Type: Utility

Industrial Systems / Process Specific

Cooking Equipment Rebates

The utility is offering a rebate on high-efficiency cooking equipment.

For More Information:

<http://www.coastepa.com/cookingequip.aspx>

Sponsor: Coast Electric Power Association

Sponsor Type: Utility

Gas to Electric Changeout

If a business replaces existing gas equipment with electric equipment, it is eligible for a rebate of \$20 per kW.

For More Information:

<http://www.coastepa.com/cookingequip.aspx>

Sponsor: Coast Electric Power Association

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

Alternative Energy Suppliers Jobs Tax Credit

This tax credit is for a business engaged in the manufacture or production of alternative energy; 50% of the finished product of the alternative energy project must be derived from resources or products from within the state.

For More Information:

<http://www.dor.ms.gov/info/rules/job-staxcredit.htm>

Sponsor: Mississippi State Tax Commission

Sponsor Type: State

Energy Investment Loan Program

Mississippi offers low-interest loans for renewable energy and energy efficiency projects. Industries that are eligible under this program include: manufacturers, national or regional headquarters, telecommunications and data processing facilities, retail centers, research and development facilities, warehouses, and distribution centers.

For More Information: <http://www.mississippi.org/index.php?id=340>

Sponsor: Mississippi Development Authority Energy Division

Sponsor Type: State

Energy Services

The Mississippi Development Authority Energy Division offers projects and services that accelerate the deployment of energy efficiency and renewable-energy technology, as well as facilitate the acceptance of emerging and underutilized efficiency and renewable technologies.

For More Information:

<http://www.mississippi.org/index.php?id=7>

Sponsor: Mississippi Development Authority Energy Division

Sponsor Type: State

Green Power Switch Program

Green Power Switch® 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

Renewable Energy Purchase Program

TVA 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

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 Program

The Energy Division is committed to helping the commercial and industrial sectors save energy, which helps lower operating costs and improves productivity. IOF focuses on the reduction of energy requirements in manufacturing, while stimulating economic productivity and growth.

For More Information:

<http://www.mississippi.org/index.php?id=20>

Sponsor: Mississippi Development Authority Energy Division
Sponsor Type: State

Commercial Energy Audits

Coast Electric Power Association provides energy audits for commercial customers. A representative from the cooperative will walk through a customer's business and identify existing systems that could be made more energy efficient.

For More Information:

<http://www.coastepa.com/comaudit.aspx>

Sponsor: Coast Electric Power Association
Sponsor Type: Utility

Commercial Energy Calculator

This online tool helps commercial customers analyze energy use.

For More Information:

<http://coastepa.apogee.net/comsuite/bizframe.aspx?url=/comcalc>

Sponsor: Coast Electric Power Association
Sponsor Type: Utility

Commercial Energy Calculator

This online tool helps commercial customers analyze energy use.

For More Information:

http://entergy.apogee.net/comcalc/Entergy_Mississippi.asp

Sponsor: Entergy Mississippi
Sponsor Type: Utility

Comprehensive Services

The utility offers several incentives to help commercial and industrial customers become energy efficient. Incentives include technical analysis, energy audits, and lighting audits.

For More Information:

<http://www.ci.tupelo.ms.us/water-light/CSP.htm>

Sponsor: Tupelo Water and Light
Sponsor Type: Utility

DataLink

Entergy Mississippi's DataLink provides the products and services needed to gain a thorough understanding of energy data and the ability to use that information to develop and implement complete energy management strategies.

For More Information:

http://www.entergy-mississippi.com/your_business/customized_programs.aspx

Sponsor: Entergy Mississippi
Sponsor Type: Utility

Energy Audit

A representative from the cooperative will analyze a member's facility to determine how to make it more energy efficient.

For More Information:

<http://www.emepa.com/energyAudit.aspx>

Sponsor: East Mississippi Electric Power Association
Sponsor Type: Utility

EnergyDirect

EnergyDirect is an online tool that enables business customers to have 24-hour access to accounts for billing and usage info. The tool provides graphing and analysis of customer's energy use and alerts and metrics tailored to the customer's business. The tool also provides custom account portfolios and has a benchmarking ability.

For More Information:

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

Sponsor: Mississippi 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 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

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

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

EERE Information Center

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

www.eere.energy.gov/informationcenter

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy