

Maryland Industrial Resource Fact Sheet

Introduction

With a population of 5.6 million, Maryland's total industrial energy consumption was 184.0 trillion British thermal units (Btu) in 2007, earning it a ranking of 42nd highest in the nation and accounting for 12.4 percent of all energy consumed in the state.¹ Maryland's natural gas consumption was 21.1 trillion Btu, placing it 42nd in the nation. Moreover, industry in Maryland contributed to 6.7 million metric tons of carbon dioxide in 2005. Based on the value of shipments, Maryland's leading industries include chemical, food, and computer and electronic product manufacturing. Together, these three industries are responsible for approximately 48,474 jobs, \$3,002.3 million in payroll, and \$19,907.6 million in shipments. Finally, the industrial manufacturing sector accounted for 5.6 percent of the state's total gross domestic product in 2008.

Rising electricity and natural gas prices through 2007 prompted Maryland's government to take a more proactive approach to reducing statewide energy consumption. In 2008, the Maryland Energy Administration (MEA) published the *Strategic Electricity Plan* to determine and prepare for Maryland's future energy needs. Of note, the plan suggests enacting legislation that requires utilities to implement performance-based programs to encourage reduced electricity consumption and peak demand. The utility programs would apply broadly to residential, commercial, and industrial customers. Further, the Maryland government realizes the importance of helping industry with energy efficiency, which is evidenced through MEA's work to enhance productivity and competitiveness of Maryland's industries through the development and disbursement of energy-efficiency resources.



State Programs

State Government: The Maryland Department of Assessments and Taxation offers industry optional property tax credits for high-performance buildings. Another state agency, MEA, offers industry several different types of energy-efficiency incentives and financial resources, such as rebates, grants, and tax credits for energy-efficient-equipment installation and operation. Additionally, MEA offers technical resources on energy-related topics, such as state energy bills and standards, and institutions that sponsor industrial training and energy audits.

County Government: Montgomery County's Department of Environmental Protection administers the Montgomery County Clean Energy Rewards Program, which provides incentives to county businesses, residents, nonprofits, and congregations for purchasing clean energy through certified suppliers. Additionally, Harford County offers a tax credit for nonresidential buildings that use solar or geothermal devices.

Utility Resources

Investor-Owned Utilities: Allegheny Energy offers a load-management program and online energy-analysis tools to help facilities monitor and manage their energy usage. Baltimore Gas & Electric, PEPCO, and Delmarva Power also offer customers online energy-analysis tools.

Electric Cooperatives: Southern Maryland Electric Cooperative offers energy audits to help facilities identify ways to save money and use energy more effectively. Additionally, Choptank Electric Cooperative created the Energy Federation store to provide its members with easy access to energy-efficiency and conservation-related products. The cooperative also offers a load-management program.

Regional Resources

Industrial Assessment Center: Maryland does not have an Industrial Assessment Center (IAC) within the state, but does share close proximity to three others. Maryland's manufacturers are provided access to the federally sponsored IACs at the University of Delaware, Lehigh University, and West Virginia University. IACs offer small to midsize manufacturers with no-cost energy assessments.

Clean Energy Application Center: The Mid-Atlantic CHP Application Center works to develop technology-application knowledge and the educational infrastructure necessary to foster Combined Heat and Power (CHP) as a viable technical, financial, and environmental energy, and to reduce any perceived risks associated with its implementation.

Local Resources

Energy Centers: The upcoming Maryland Clean Energy Center (MCEC) will promote clean energy, economic development, job creation, and will encourage the deployment of clean-energy technologies across the State of Maryland. MCEC will also help commercialize new technology and offer workforce development and training.

Manufacturing Extension Partnerships: The Maryland Technology Extension Service (MTES), a program sponsored by the University of Maryland, provides energy solutions to help Maryland manufacturers grow and become more competitive. MTES offers Maryland manufacturers both business and technical services. Another program sponsored by the University of Maryland is Maryland Industrial Partnerships (MIPS). MIPS' focus is on accelerating the commercialization of technology in Maryland by jointly funding collaborative research and development projects between companies and University of Maryland faculty.

For More Information

DOE Industrial Technologies Program (<http://www1.eere.energy.gov/industry/index.html>)

ITP Save Energy Now (<http://www1.eere.energy.gov/industry/saveenergynow/>)

ITP State Activities Web site –Maryland (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=MD)

ITP State Incentives and Resources Database (http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp)

Maryland Energy Administration (<http://energy.maryland.gov/>)

Maryland Department of Assessments and Taxation (<http://mlis.state.md.us>)

Montgomery County's Department of Environmental Protection (<http://www.montgomerycountymd.gov>)

Allegheny Energy (<http://www.alleghenypower.com>)

Baltimore Gas & Electric (<http://bge.apogee.net>)

Choptank Electric Cooperative (<http://www.choptankelectric.com>)

Delmarva Power (<http://www.delmarva.com>)

Harford County (<http://www.harfordcountymd.gov>)

Maryland Clean Energy Center (<http://www.marylandcleanenergycenter.org>)

Maryland Technology Extension Service (<http://www.mtes.org>)

Maryland Industrial Partnerships (<http://www.mtech.umd.edu/mips/index.php>)

Southern Maryland Electric Cooperative (<http://www.smeco.coop>)

EERE Information Center

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

www.eere.energy.gov/informationcenter

Contacts

Industrial Assessment Centers for Region

University of Delaware

Director: Dr. Keith Goossen

Phone: (302) 831-0590

Fax: (302) 831-4316

E-mail: goossen@ece.udel.edu

Lehigh University

Director: Dr. Sudhakar Neti

Phone: (610) 758-4117

E-mail: sn01@lehigh.edu

West Virginia University

Director: Dr. B. Gopalakrishnan

Phone: (303) 293-4607, ext. 3709

E-mail: bgopalak@mail.wvu.edu

Manufacturing Extension Partnership in Maryland

Maryland Technology Extension Service

Director: Dr. Barry Frey

Phone: (410) 548-4372

Fax: (410) 548-4375

E-mail: bcfrey@umd.edu

Web site: <http://www.MTES.org>

Source: <http://blue.nist.gov/centers/MD>

Clean Energy Application Centers for Region

Mid-Atlantic CHP Application Center

Director: Joe Orlando

Phone: (301) 405-4681

E-mail: orlandoj@umd.edu

Web site: <http://www.chpcenterma.org/>

Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

DOE Regional Contact

Sandy Glatt

Project Manager State and Utility Partnerships
(303) 275-4857

E-mail: sandy.glatt@go.doe.gov

Brian Olsen

303-275-4834

Energy Project Specialist

E-mail: brian.olsen@go.doe.gov

Source: <http://www.eere.energy.gov/industry/about/contacts.html>

State Energy Office Contact

Walt Auburn

Assistant Director, Energy Efficiency Programs

1623 Forest Drive, Suite 300

Annapolis, MD 21403

Phone: (410) 260-7204

Fax: (410) 974-2250

Web site: <http://energy.maryland.gov/>