

Delaware Industrial Resource Fact Sheet

Introduction

Delaware's economy is ranked 40th in the nation in terms of 2008 gross domestic product (GDP), generating \$61.8 million annually. Industrial manufacturing is an important sector of Delaware's economy, providing the state with 33,470 jobs and supplying \$14,848 million worth of goods. The state's largest consumer of energy is the industrial sector, in part because Delaware contains several energy-intensive industries, including petroleum refining, chemical production, and other manufacturing. In fact, local industry used 101.1 trillion British thermal units (Btu) in 2007, which was 45th highest in the nation (or 33.5 percent of all energy consumed in the state). The state's industrial natural gas consumption totaled 16.4 trillion Btu, ranking it 44th in the nation. Furthermore, the industrial sector produced approximately 4.1 million metric tons of carbon dioxide emissions in 2005.

Although its population and total energy consumption are among the lowest in the nation, Delaware's economy is energy intensive. With a total population of 900,000, Delaware's total energy consumption per capita was 353 million Btu in 2006—the 20th highest in the nation. In large part, this is due to Delaware's industrial sector. Delaware recognized the need for a comprehensive energy-policy plan to address the state's energy consumption. In March 2009, Delaware came out with a new energy policy that identified the direction Delaware's energy system should be headed in over the next 20–30 years, and to determine what can be done in the short-term to move Delaware in that direction. Delaware's energy-reduction goals for industry are to focus on making industrial energy-efficiency processes state-of-the-art, and to make their buildings as energy efficient as possible. In addition to the energy plan, legislation is in place to encourage renewable-energy production.



State Programs

State Government: The Delaware Energy Office in the Department of Natural Resources and Environmental Control administers the Green Energy Program, which offers grants to reduce the cost of purchasing renewable-energy equipment and for projects that demonstrate the market potential for renewable technologies that can be commercialized. In addition, Delaware Public Service Commission offers renewable-energy certificates (RECs) for electric customers that wish to offset their carbon emissions through the purchase of electricity generated from renewable resources.

Utility Resources

Investor-Owned Utilities: Delaware has 11 electric utilities, the majority of which are municipalities. Delmarva Power—Delaware's sole investor-owned utility (IOU)—offers an online energy-management tool called the Energy Profiler Online, which helps customers effectively track and manage their electric usage.

Public Power Utilities: Delaware Municipal Electric, a joint action electric agency consisting of nine municipalities, in collaboration with the Delaware Energy Office, offers the Municipal Green Energy Program. This program offers grants to encourage and support renewable-energy technologies.

Electric Cooperatives: Delaware Electric Cooperative offers industrial customers an energy guide with information on how to minimize energy consumption and reduce energy costs. It provides information on how to lower your energy bills by replacing equipment in your home or business, change the way you use energy, or select a different electric or gas supplier if you live in a deregulated state.

Regional Resources

Clean Energy Application Center: The Mid-Atlantic CHP Application Center's objective is to reduce the perceived risk of Combined Heat and Power (CHP) to users, foster CHP as a viable technical and economic option for the participating region, and to capitalize on existing regional CHP resources. The center provides technical assistance, online tools, and information on CHP.

Local Resources

Industrial Assessment Center: The University of Delaware's Industrial Assessment Center helps industrial manufacturers improve their cost- and energy-savings through free energy assessments that identify ways for them to reduce energy consumption.

Manufacturing Extension Partnerships: The Delaware Manufacturing Extension Partnership's (MEP) mission is to help Delaware's manufacturers substantially improve their quality, productivity, and profitability. Delaware's MEP assists manufacturers by identifying, transferring, and implementing appropriate best practices, and by offering online assessment tools, public seminars and workshops, and confidential management assistance.

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 –Delaware (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=DE)

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

Delaware Energy Office (<http://www.delaware-energy.com>)

Delaware Public Service Commission (<http://depsec.delaware.gov/electric/delrps.shtml>)

Municipal Green Energy Program (<http://www.delaware-energy.com/green-energy-program-municipal-providers.htm>)

Delaware Electric Cooperative (<https://www.delaware.coop>)

Delaware Manufacturing Extension Partnership (<http://www.demep.org>)

Delaware Municipal Electric (<http://www.demecinc.net/index.html>)

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

City of Newark (<http://www.cityofnewarkde.us>)

City of Newcastle (<http://www.ci.new-castle.de.us>)

City of Dover (<http://www.cityofdover.com>)

City of Milford (<http://www.cityofmilford.com>)

City of Lewes (<http://www.ci.lewes.de.us/index.cfm>)

City of Seaford (<http://www.seafordde.com>)

Town of Middletown (<http://www.middletownde.org>)

Town of Clayton (<http://www.clayton.delaware.gov>)

Town of Smyrna (<http://www.smyrnadelaware.com>)

University of Delaware (<http://www.ece.udel.edu/iac>)

Contacts

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Manufacturing Extension Partnership in Delaware

Delaware Manufacturing Extension Partnership

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

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

Clean Energy Application Center for Region

Mid-Atlantic CHP Application Center

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

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

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

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www.eere.energy.gov/informationcenter