

## New Jersey Industrial Resource Fact Sheet

### Introduction

The industrial manufacturing sector accounts for 9.2 percent of New Jersey's gross domestic product (GDP) and 290,183 jobs. Based on the total value of shipments, the state's leading industries include chemical manufacturing, petroleum and coal product manufacturing, and food processing. New Jersey's industrial energy consumption ranks near the national average, despite the abundance of energy-intensive chemical manufacturing and petroleum refining industries in the state. In 2007, New Jersey's industrial sector consumed 68.8 trillion British thermal units (Btu) of natural gas, which was 31st in the nation. Local industry expended 452.1 trillion Btu of energy in 2007, or 16.5 percent of all energy consumed in the state, earning a ranking of 25th in the United States. Moreover, the industrial manufacturing sector accounted for approximately 15.9 million metric tons of carbon dioxide emissions in 2005.

New Jersey is committed to reducing the state's energy consumption. In 2008, New Jersey published a State Energy Master Plan to guide the state toward a responsible energy future with adequate, reliable energy supplies that are both cost effective and environmentally sustainable. This plan details a series of actions and strategies to fulfill Executive Order 54, Governor Jon Corzine's mandate for a 20 percent reduction in statewide greenhouse gas emissions by 2020, and an 80 percent reduction by 2050. New Jersey has created programs to help implement energy efficiency and conservation measures that are cost-effective and strengthen the state's economic competitiveness. Between 2001 and 2007, one such program, the New Jersey Clean Energy Program (NJCEP), assisted in the reduction



of 1,428 gigawatt hours (GWh) of electricity consumption and 3.1 trillion BTUs of natural gas usage. Through the NJCEP program, industrial and commercial customers realized savings of 64.5 percent for electricity spending and 32.2 percent for natural gas spending.

### State Programs

*State Government:* As previously described, the New Jersey Board of Public Utilities offers various programs through the NJCEP program that encourage industry to invest in energy efficiency and renewable energy. For example, a program known as NJ SmartStart Buildings offers technical assistance, energy-efficient equipment incentives, tools, and resources for commercial space construction and renovation projects. NJCEP also features programs that provide financial incentives, such as grants and no-interest loans, to encourage industry in New Jersey to invest in energy-efficient technologies and renewable energy, as well as load management programs, green job training, seminars, and tax credits for solar and wind energy equipment.

### Utility Resources

*Investor-Owned Utilities:* Atlantic City Electric offers an online tool to assist with energy management. Furthermore, FirstEnergy, the nation's fifth largest investor-owned utility (IOU), and its subsidiary Jersey Central Power & Light offer industrial customer seminars on power quality and energy efficiency. In addition, New Jersey Natural Gas features a program known as Conserve to Preserve Business Online, a comprehensive central repository of energy-related and industry-specific information regarding emerging technologies. This free service includes links to financial support programs, an extensive energy resource library, industry benchmarks, and energy audit tools. Moreover, South Jersey Gas provides a business service that focuses on how to reduce energy usage, as well as links to other financial incentives for additional conservation efforts. Finally, Elizabethtown Gas makes business representatives available to commercial customers to offer suggestions regarding reduction of energy spending, as well as reduction of their carbon footprint.

*Public Power Utilities:* The Public Service Electric and Gas Company offers a performance-based program that provides a financial benefit for verified energy savings and offers no-cost monthly online newsletters, an online business resource library, and access to energy efficiency experts.

## Regional Resources

*Clean Energy Application Center:* The Mid-Atlantic CHP Application Center promotes Combined Heat and Power (CHP) by providing information regarding CHP technologies or applications and offering various technical services, such as site assessments.

## Local Resources

*Manufacturing Extension Partnership:* The New Jersey Manufacturing Extension Program (NJMEP) is a nonprofit organization that works with New Jersey's small- to midsize businesses to help them improve their bottom line through energy efficiency services, tools, workshops, and resources.

*Industrial Assessment Centers:* Rutgers University, through sponsorship from the Department of Energy, hosts an Industrial Assessment Center (IAC) that provides no cost energy assessments for small- to midsize manufacturers.

## 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 – New Jersey ([http://www1.eere.energy.gov/industry/about/state\\_activities/map\\_new.asp?stid=NJ](http://www1.eere.energy.gov/industry/about/state_activities/map_new.asp?stid=NJ))

ITP State Incentives and Resources Database ([http://www1.eere.energy.gov/industry/about/state\\_activities/incentive\\_search.asp](http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp))

New Jersey Board of Public Utilities (<http://www.state.nj.us/bpu/>)

New Jersey Clean Energy Program (<http://njcleanenergy.com>)

Atlantic City Electric (<http://www.atlanticcityelectric.com>)

Elizabethtown Gas (<http://www.elizabethtowngas.com>)

FirstEnergy (<https://www.firstenergycorp.com>)

New Jersey Natural Gas (<http://www.njng.com>)

New Jersey Manufacturing Extension Program (<http://www.njmep.org>)

South Jersey Gas (<http://www.southjerseygas.com>)

Public Service Electric and Gas Company (<http://www.pseg.com>)

## Contacts

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

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

*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](http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html)

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