

## Massachusetts Industrial Resource Fact Sheet

### Introduction

Massachusetts' industrial manufacturing sector accounts for 9.5 percent of the state's gross domestic product and 282,582 jobs.<sup>1</sup> Based on number of shipments, Massachusetts' leading industries include computer- and electronic-product manufacturing, chemical manufacturing, and food processing. Massachusetts' industry used 195.6 trillion British thermal units (Btu) in 2007, earning it a ranking of 39th in the nation (or 12.9 percent of all energy consumed in the state). That same year, Massachusetts' industrial sector consumed 46.7 trillion Btu of natural gas, ranking it 35th in the United States. Since 2000, statewide energy consumption has decreased 4.5 percent.

Massachusetts is committed to addressing the state's energy consumption. For instance, Massachusetts Governor Deval Patrick recently signed the *Green Communities Act*, which will reduce electric bills, promote the development of renewable energy, and stimulate the clean-energy industry. The legislation will also encourage the coalition of the Commonwealth's leading energy-efficiency providers—NSTAR, National Grid, Western Massachusetts Electric, New England Gas, Unitil, Berkshire Gas, Bay State Gas, Blackstone Gas, and the municipal aggregator Cape Light Compact—to implement a three-year plan to deliver efficiency to businesses and residents that will potentially net more than \$6 billion in energy savings. In order to further strengthen Massachusetts' position as a leader in clean energy and environmental stewardship, Governor Patrick signed two more energy-related bills into law—the *Global Warming Solutions Act* and the *Green Jobs Act*. The *Global Warming Solutions Act* requires the reduction of greenhouse gas emissions by 80 percent from 1990 levels by 2050, with



a reduction of up to 25 percent by 2020, while the *Green Jobs Act* will provide support for the growth of a clean-energy-technology industry, helping Massachusetts meet its goals for reducing greenhouse gas emissions.

### State Programs

*State Government:* The Massachusetts Department of Energy Resources (DOER) offers an online resource for businesses seeking support for reducing their energy usage. The resource includes information on energy audits, financial incentives for energy efficiency and renewable energy generation, and provides links to utility energy efficiency programs. DOER also has new incentives for combined heat and power.

### Utility Resources

*Investor-Owned Utilities:* As of January 2010, the state's energy utilities are making aggressive changes to the way they deliver energy-efficient solutions to customers. NSTAR, the largest Massachusetts-based, investor-owned electric and natural gas utility in the state, offers rebates for energy-efficiency equipment, online energy-management tools, technical assistance, educational workshops on energy-efficiency-related topics, and a load-management program. Additionally, NSTAR offers Green Technology Warehouse, providing its business customers the opportunity to purchase discounted energy-efficient-lighting products. In addition, Bay State Gas and Unitil offer industrial customers energy audits of their facilities and rebates for energy-efficiency equipment. National Grid offers online energy-management tools, training and education, a free energy audit, technical assistance, and financial incentives, such as rebates for energy-efficient equipment. Finally, Western Massachusetts Electric Company offers energy-efficiency rebates and loans, technical assistance, and audits to its industrial customers.

*Public Power Utilities:* Cape Light Compact offers industrial customers energy-efficiency resources, such as financial, technical, and educational assistance, in addition to commissioning services. In addition, Concord Municipal Light Plant offers an energy-audit program and rebates for the purchase and installation of energy-efficient equipment. Hampshire Power, sponsored by Hampshire Council of Governments, helps large commercial and industrial customers develop individualized plans to reduce costs and hedge risk. North Attleborough Electric Department offers financial incentives to its business customers to replace inefficient lighting fixtures and bulbs with lighting products that are more energy efficient. Furthermore, Holyoke Gas & Electric offers energy audits and financial assistance

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to help businesses invest in energy-efficiency equipment, while South Hadley Electric Light Department offers businesses an energy audit. Additionally, Town of Danvers offers rebates for specific Energy Star appliances. Finally, Braintree Electric Light Department offers rebates for energy-efficiency equipment and technical assistance.

### Regional Resources

*Nonprofit Organizations:* ISO New England offers load-management programs, online tools, and training.

*Clean Energy Application Center:* Northeast Clean Energy Application Center's mission is to provide Combined Heat and Power (CHP) application assistance, technology information, and educational support in the seven Northeast states, which includes Massachusetts.

### Local Resources

*Nonprofit Organizations:* The Massachusetts Energy Consumers Alliance, a nonprofit organization in Boston (also referred to as Mass Energy), provides a list of energy-saving tips on its Web site. The Massachusetts Technology Collaborative (MTC), with support from the Office of Energy and Environmental Affairs, created the Renewable Energy Trust Program (RET). RET offers financial assistance to businesses for installing renewable-energy systems and technologies. Additionally, the Massachusetts Energy Efficiency Partnership's (MAEEP) mission is to reduce the energy intensity and increase the productivity of Massachusetts manufacturers, as well as commercial and institutional facilities. MAEEP provides helpful links to energy-efficiency resources, training, funding, and energy assessments for Massachusetts industry.

*Industrial Assessment Center:* The Center for Energy Efficiency and Renewable Energy at the University of Massachusetts operates an Industrial Assessment Center. This federally sponsored program helps industrial manufacturers improve their cost- and energy-savings through no-cost energy assessments that identify ways for the manufacturers to reduce their energy consumption.

*Manufacturing Extension Partnership:* The Massachusetts Manufacturing Extension Partnership helps industry by offering performance-based training, workforce development, and growth strategies.

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

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))

Massachusetts Department of Energy Resources (<http://www.mass.gov/doer>)

Massachusetts Executive Office of Energy and Environmental Affairs (<http://www.mass.gov/?pageID=eoeeahomepage&L=1&L0=Home&sid=Eoeeah>)

Bay State Gas (<http://www.baystategas.com>)

Braintree Electric Light Department (<http://www.beld.com>)

Cape Light Compact (<http://www.capelightcompact.org>)

Center for Energy Efficiency and Renewable Energy (<http://www.ceere.org/iac/index.html>)

Concord Municipal Light Plant (<http://www.concordma.gov>)

Hampshire Council of Governments (<http://www.hampshirecog.org/electricityaggregation.html>)

Holyoke Gas & Electric (<http://www.hged.com>)

ISO New England Inc. (<http://www.iso-ne.com/index.html>)

Massachusetts Energy Consumers Alliance (<http://www.massenergy.com/index.html>)

Massachusetts Technology Collaborative (<http://www.masstech.org/index.asp>)

National Grid (<http://www.nationalgridus.com>)

North Attleborough Electric Department (<http://www.naelectric.com>)

NSTAR (<http://www.nstaronline.com>)

South Hadley Electric Light Department (<http://www.sheld.org>)

Town of Danvers (<http://www.danvers.govoffice.com>)

Massachusetts Energy Efficiency Partnership (<http://www.maeeep.org/index.cfm>)

Massachusetts Manufacturing Extension Partnership (<http://www.massmep.org>)

Unitil (<http://services.unitil.com>)

Western Massachusetts Electric Company (<http://www.wmeco.com>)

Northeast Clean Energy Application Center (<http://www.northeastchp.org/nac/>)

## Contacts

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### EERE Information Center

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

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