

West Virginia Industrial Resource Fact Sheet

Introduction

West Virginia's economy is ranked 41st in the nation in terms of 2008 GDP, generating \$61.7 billion annually. The industrial manufacturing sector accounts for 20,284 jobs and \$13,390.7 million in shipments. Based on total value of shipments, the largest manufacturing sectors in the state are chemical, primary metal, transportation equipment, fabricated metal, and wood product manufacturing. In 2007, West Virginia's industrial sector ranked 29th in the nation in terms of energy expended accounting for 396.1 trillion Btu (or 46.6 percent of statewide energy consumption). The state's industrial natural gas consumption totaled 43.4 trillion Btu which was 36th in the nation that year. Moreover, the industrial sector in West Virginia released approximately 12.6 million metric tons of carbon dioxide annually based on 2005 data.

In 2008, the Virginia Governor's Office, West Virginia Department of Commerce, and the Southern States Energy Board came together to discuss how to make West Virginia energy independent by 2030. Under West Virginia Energy Opportunities: a Blueprint for the Future, these groups stated that they believe energy efficiency can be improved 30 percent statewide by 2030 in a variety of sectors including industrial manufacturing. In order to reach the goal, the group has outlined short-, medium-, and long-term goals. Short-term goals include providing assistance through energy assessments, training, and recognition of industrial manufacturers that have made a concerted effort to lower their energy consumption. Medium- and long-term goals include providing assistance to more manufacturers, hosting workshops, and advancing the state-of-the art for plant technologies and renewable energy generation. These goals will be met through assistance provided by the organizations below:



Utility Resources

Investor-Owned Utilities: Allegheny Power offers non-residential customers energy management tools including a tool that analyzes a customer's energy consumption, another tool that offers real-time energy usage, and two demand response programs that give financial incentives to customers who voluntarily reduce their energy consumption during peak load.

Regional Resources

Industrial Assessment Center: The West Virginia IAC offers no-cost energy assessment to small- and medium-sized plants in West Virginia. These one-day assessments analyze all industrial systems in a plant.

Clean Energy Application Center: Mid-Atlantic CHP Application Center works to develop technology application knowledge and the educational infrastructure necessary to foster combined heat and power as a viable technical and financial energy option, along with environmental options in the Mid-Atlantic region and reduce any perceived risks associated with its implementation.

For More Information

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

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

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

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

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

West Virginia Division of Energy (<http://www.energywv.org/community/eep.html>)

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Manufacturing Extension Partnership in
West Virginia

West Virginia Manufacturing Extension
Partnership

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Clean Energy Application Center for Region
Mid-Atlantic CHP Application Center

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