



# Energy Information Administration

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## Maryland

## STATE ENERGY PROFILES

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Last Update: January 02, 2009

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### Maryland Quick Facts

- One of five existing U.S. liquefied natural gas (LNG) import facilities is located in Cove Point, Maryland.
- Maryland produces small amounts of coal in the Appalachian Mountains in the western part of the State.
- Maryland requires motor gasoline blended with ethanol across the center of the State, including the Baltimore-Washington metropolitan area.
- The State's only nuclear plant, the dual-unit Calvert Cliffs facility, supplies all of Maryland's nuclear power and accounts for more than one-fourth of total electricity generation in the State.

## Overview

### Resources and Consumption

Maryland has few energy resources. Minor coal reserves are found in the Appalachian Mountains in western Maryland. Wind power potential is found in the Chesapeake Bay, off the Atlantic Coast, and in the Appalachian Mountains. The Susquehanna River in the north is a source of hydroelectric power. Maryland's economy is not energy-intensive, and per capita energy consumption is low.

### Petroleum

Maryland relies on petroleum product deliveries from other States and abroad. The Colonial Pipeline from the Gulf Coast region supplies Maryland markets as it passes through the State on the way to major Northeast population centers. The Port of Baltimore receives petroleum products delivered via the Chesapeake Bay. Maryland requires motor gasoline blended with ethanol across the center of the State, including the Baltimore-Washington metropolitan area.

### Natural Gas

Maryland relies on interstate natural gas deliveries and imports from abroad to meet demand. Several major pipelines from the Gulf Coast region supply natural gas to Maryland markets. One of five existing U.S. liquefied natural gas (LNG) import facilities is located at Cove Point on the Chesapeake Bay's western shore. The Cove Point terminal receives its LNG supply primarily from Trinidad and Tobago. Maryland's residential and commercial sectors dominate State natural gas consumption. Nearly one-half of Maryland

households use natural gas for home heating.

### Coal, Electricity, and Renewables

Maryland's coal-fired power plants typically supply more than one-half of the electricity generation within the State. Nuclear power typically supplies more than one-fourth of generation, and petroleum- and natural gas-fired plants supply much of the remainder. Although Maryland produces a small amount of coal in the West, most of the State's coal-fired power plants burn coal shipped from West Virginia. The State's only nuclear plant, the dual-unit Calvert Cliffs facility, supplies all of Maryland's nuclear power. The Conowingo hydroelectric plant on the Susquehanna River, one of Maryland's largest generation facilities, provides almost all of the State's hydroelectricity. Approximately one-third of Maryland households use electricity as their main source of energy for home heating.

## Data

### Economy

Population and Employment	Maryland	U.S. Rank	Period
Population	5.6 million	19	2008
Civilian Labor Force	3.0 million	18	2007
Per Capita Personal Income	\$46,021	6	2007
Industry	Maryland	U.S. Rank	Period
Gross Domestic Product by State	\$268.7 billion	15	2007
Land in Farms	2.1 million acres	40	2002
Market Value of Agricultural Products Sold	\$1.3 billion	36	2002

### Prices

Petroleum	Maryland	U.S. Avg.	Period
Domestic Crude Oil First Purchase	—	\$73.22/barrel	Oct-08
No. 2 Heating Oil, Residential	\$3.28/gal	\$3.168/gal	Oct-08
Regular Motor Gasoline Sold Through Retail Outlets (Excluding Taxes)	\$2.555/gal	\$2.527/gal	Oct-08
State Tax Rate on Motor Gasoline (other taxes may apply)	\$0.235/gal	\$0.2159/gal	Aug-08
No. 2 Diesel Fuel Sold Through Retail Outlets (Excluding Taxes)	\$3.008/gal	\$3.021/gal	Oct-08
State Tax Rate on On-Highway Diesel (other taxes may apply)	\$0.2425/gal	\$0.2214/gal	Aug-08
Natural Gas	Maryland	U.S. Avg.	Period
Wellhead	\$7.63/thousand cu ft	\$6.40/thousand cu ft	2006
City Gate	NA	\$7.88/thousand cu ft	Oct-08
Residential	NA	\$15.23/thousand cu ft	Oct-08
Coal	Maryland	U.S. Avg.	Period
Average Open Market Sales Price	\$33.02/short ton	\$26.20/short ton	2007
Delivered to Electric Power Sector	\$ 4.07/million Btu	\$ 2.16 /million Btu	Sep-08
Electricity	Maryland	U.S. Avg.	Period
Residential	14.29 cents/kWh	11.94 cents/kWh	Sep-08
Commercial	14.06 cents/kWh	10.77 cents/kWh	Sep-08
Industrial	11.04 cents/kWh	7.36 cents/kWh	Sep-08

➡ See more Price data for all States

### Reserves & Supply

Reserves	Maryland	Share of U.S.	Period
Crude Oil	—	—	2007
Dry Natural Gas	—	—	2007
Natural Gas Liquids	—	—	2007
Recoverable Coal at Producing Mines	24 million short tons	0.1 %	2007

<b>Rotary Rigs &amp; Wells</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Rotary Rigs in Operation	1	0.1%	2007
Crude Oil Producing Wells	0	0.0%	2007
Natural Gas Producing Wells	7	0.0%	2006
<b>Production</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Total Energy	331 trillion Btu	0.5%	2005
Crude Oil	—	—	Aug-08
Natural Gas - Marketed	48 million cu ft	0.0%	2006
Coal	2,301 thousand short tons	NA	2007
<b>Capacity</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Crude Oil Refinery Capacity (as of Jan. 1)	0 barrels/calendar day	0.0%	2008
Electric Power Industry Net Summer Capability	12,500 MW	1.3%	2006
<b>Net Electricity Generation</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Total Net Electricity Generation	3,810 thousand MWh	1.1%	Sep-08
Petroleum-Fired	26 thousand MWh	0.9%	Sep-08
Natural Gas-Fired	189 thousand MWh	0.2%	Sep-08
Coal-Fired	2,236 thousand MWh	1.4%	Sep-08
Nuclear	1,213 thousand MWh	1.8%	Sep-08
Hydroelectric	40 thousand MWh	0.2%	Sep-08
Other Renewables	52 thousand MWh	0.6%	Sep-08
<b>Stocks</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Motor Gasoline (Excludes Pipelines)	—	—	Oct-08
Distillate Fuel Oil (Excludes Pipelines)	—	—	Oct-08
Natural Gas in Underground Storage	61,675 million cu ft	0.8%	Oct-08
Petroleum Stocks at Electric Power Producers	W	W	Sep-08
Coal Stocks at Electric Power Producers	W	W	Sep-08
<b>Production Facilities</b>	<b>Maryland</b>		
Major Coal Mines	None		
Petroleum Refineries	None		
Major Non-Nuclear Electricity Generating Plants	Chalk Point LLC (Mirant Chalk Point LLC) • Morgantown Generating Plant (Mirant Mid-Atlantic LLC) • Brandon Shores (Constellation Power Source Gen) • Herbert A Wagner (Constellation Power Source Gen) • Dickerson (Mirant Mid-Atlantic LLC)		
Nuclear Power Plants	Calvert Cliffs Nuclear Power Plant (Calvert Cliffs Nuclear PP Inc)		

➡ See more Reserves and Supply data for all States

## Distribution & Marketing

<b>Distribution Centers</b>	<b>Maryland</b>		
Oil Seaports/Oil Import Sites	Baltimore.		
<b>Natural Gas Market Centers</b>	None		
<b>Major Pipelines</b>	<b>Maryland</b>		
Crude Oil	None		
Petroleum Product	Colonial		
Liquefied Petroleum Gases	None		
<b>Interstate Natural Gas Pipelines</b>	Columbia Gas Transmission Corp. • Dominion Transmission Co. • Eastern Shore Natural Gas Co. • Texas Eastern Transmission Corp. • Transcontinental Gas Pipeline Co.		
<b>Fueling Stations</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Motor Gasoline	2,339	1.4%	2007
Liquefied Petroleum Gases	15	0.7%	2007
Compressed Natural Gas	15	1.9%	2007

Ethanol	8	0.6%	2007
Other Alternative Fuels	7	0.6%	2007

➡ **See more Distribution and Marketing data for all States**

## Consumption

<b>per Capita</b>	<b>Maryland</b>	<b>U.S. Rank</b>	<b>Period</b>
Total Energy	259 million Btu	43	2006
<b>by Source</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Total Energy	1,452 trillion Btu	1.5%	2006
Total Petroleum	103,353 thousand barrels	1.4%	2006
Motor Gasoline	65,673 thousand barrels	1.9%	2006
Distillate Fuel	22,607 thousand barrels	1.5%	2006
Liquefied Petroleum Gases	3,111 thousand barrels	0.4%	2006
Jet Fuel	4,144 thousand barrels	0.7%	2006
Natural Gas	182,057 million cu ft	0.8%	2006
Coal	12,939 thousand short tons	1.2%	2006
<b>by End-Use Sector</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Residential	399,866 billion Btu	1.9%	2006
Commercial	402,422 billion Btu	2.3%	2006
Industrial	184,779 billion Btu	0.6%	2006
Transportation	465,310 billion Btu	1.6%	2006
<b>for Electricity Generation</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Petroleum	54 thousand barrels	1.1%	Sep-08
Natural Gas	1,851 million cu ft	0.3%	Sep-08
Coal	939 thousand short tons	1.1%	Sep-08
<b>for Home Heating (share of households)</b>	<b>Maryland</b>	<b>U.S. Avg.</b>	<b>Period</b>
Natural Gas	46%	51.2%	2000
Fuel Oil	16%	9.0%	2000
Electricity	33%	30.3%	2000
Liquefied Petroleum Gases	3%	6.5%	2000
Other/None	2%	1.8%	2000

➡ **See more Consumption data for all States**

## Environment

<b>Special Programs</b>	<b>Maryland</b>		
Clean Cities Coalitions	State of Maryland		
<b>Alternative Fuels</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Alternative-Fueled Vehicles in Use	11,624	2.0%	2006
Ethanol Plants	0	0.0%	2008
Ethanol Plant Capacity	0 million gal/year	0.0%	2008
Ethanol Use in Gasohol	303 thousand gal	0.0%	2004
<b>Electric Power Industry Emissions</b>	<b>Maryland</b>	<b>Share of U.S.</b>	<b>Period</b>
Carbon Dioxide	30,496,966 metric tons	1.2%	2006
Sulfur Dioxide	270,873 metric tons	2.8%	2006
Nitrogen Oxide	62,063 metric tons	1.6%	2006

➡ **See more Environment data for all States**

— = No data reported; NA = Not available; W = Withheld to avoid disclosure of individual company data.

## Recent Updates

### ■ January 2, 2009

- Updated the following petroleum and natural gas statistics to October 2008:
  - Prices of crude oil, residential heating oil, motor gasoline, and diesel fuel

- Prices of city gate and residential natural gas
- Stocks of motor gasoline, distillate fuel oil, and natural gas in underground storage
- Updated population estimates to 2008

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tables that display comprehensive State data from as early as 1960 to the present
- [State Electricity Profiles](#)  
tables that provide time series data from 1990 forward for key electricity indicators by State
- [State Renewable Electricity Profiles](#)  
tables that provide data for the most recent year on capacity and generation of electricity from renewable sources
- [State Compendium of Nuclear Power Plants](#)  
State-by-State reports on the nuclear industry
- [Natural Gas Residential Choice Programs](#)  
written overviews of the status of natural gas industry restructuring in each State, focusing on the residential customer class
- [Status of Electricity Restructuring by State](#)  
annotated map showing details of the status of electricity restructuring in each State
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