

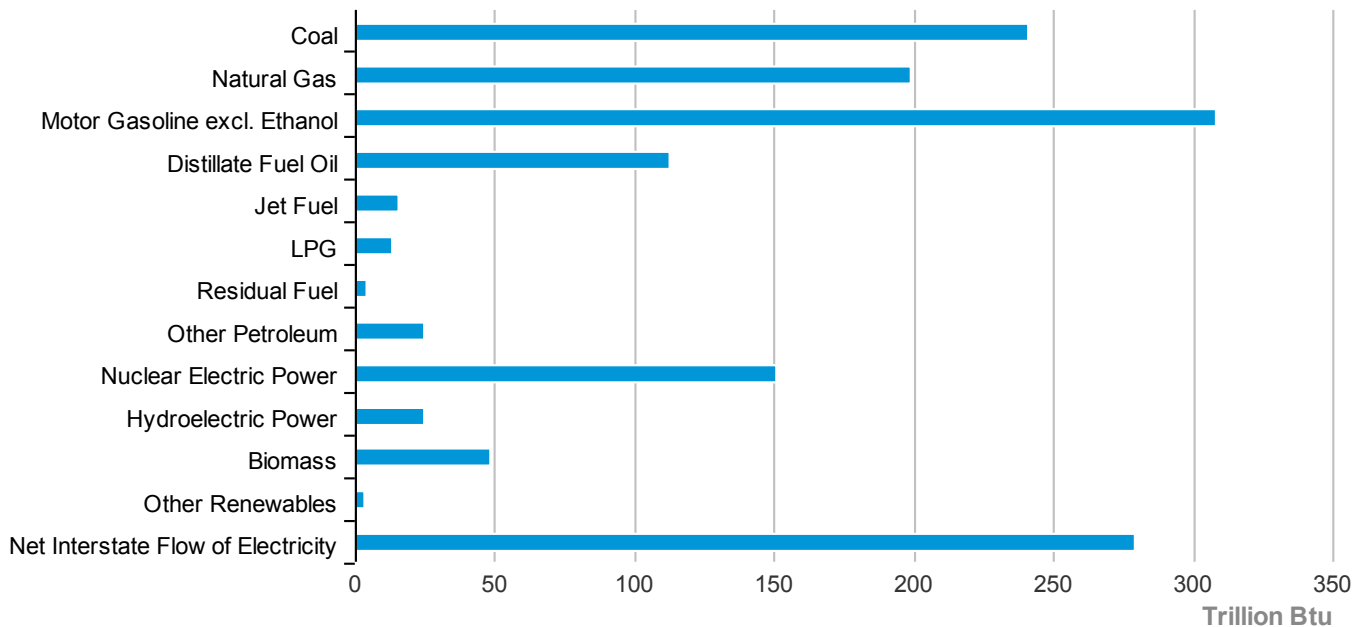


Maryland State Energy Profile

Maryland Quick Facts

- Dominion Cove Point received authorization on October 7, 2011, from the U.S. Department of Energy to enter into contracts to export liquefied natural gas to countries that have free trade agreements with the United States.
- The Calvert Cliffs facility, Maryland's only nuclear power plant, supplied 35 percent of the State's net electricity generation in 2011.
- Maryland produces small amounts of coal (less than one percent of the Nation's total), in the Appalachian Mountains in the western part of the State.
- Independent power producers provided 99 percent of the net electricity generation in Maryland in 2011.
- Maryland's Renewable Portfolio Standard requires that 20 percent of Maryland's electricity be generated from renewable energy resources by 2022, including 2 percent from solar energy; in 2011, renewable energy resources accounted for 8.2 percent of total net electricity generation.

Maryland Energy Consumption Estimates, 2011



Source: Energy Information Administration, State Energy Data System

Data

Economy

Population and Employment	Maryland	U.S. Rank	Period
Population	5.9 million	19	2012
Civilian Labor Force	3.1 million	16	Aug-13
Per Capita Personal Income	\$ 51,971	6	2012
Industry	Maryland	U.S. Rank	Period
Gross Domestic Product	\$ 301.1 billion	15	2011
Land in Farms	2.1 million acres	40	2007
Market Value of Agricultural Products Sold	\$ 1.8 billion	36	2007

Prices

Petroleum	Maryland	U.S. Average	Period	find more
Domestic Crude Oil First Purchase	--	\$ 103.13 /barrel	Aug-13	
Natural Gas	Maryland	U.S. Average	Period	find more
City Gate	NA	\$ 5.25 /thousand cu ft	Aug-13	find more
Residential	\$ 18.75 /thousand cu ft	\$ 16.46 /thousand cu ft	Aug-13	find more
Coal	Maryland	U.S. Average	Period	find more
Average Sales Price	\$ 49.37 /short ton	\$ 41.01 /short ton	2011	
Delivered to Electric Power Sector	\$ 3.29 /million Btu	\$ 2.32 /million Btu	Aug-13	
Electricity	Maryland	U.S. Average	Period	find more
Residential	13.89 cents/kWh	12.51 cents/kWh	Aug-13	find more
Commercial	11.20 cents/kWh	10.73 cents/kWh	Aug-13	find more
Industrial	8.42 cents/kWh	7.23 cents/kWh	Aug-13	find more

Reserves & Supply

Reserves	Maryland	Share of U.S.	Period	find more
Crude Oil	--	--	2011	find more
Dry Natural Gas	--	--	2011	find more
Natural Gas Plant	--	--	2011	find more

Liquids

Recoverable Coal at Producing Mines	36 million short tons	0.2%	2011	find more
Rotary Rigs & Wells	Maryland	Share of U.S.	Period	find more
Rotary Rigs in Operation	0 rigs	0.0%	2012	
Natural Gas Producing Wells	8 wells	*	2011	find more
Production	Maryland	Share of U.S.	Period	find more
Total Energy	273 trillion Btu	0.4%	2011	find more
Crude Oil	--	--	Aug-13	find more
Natural Gas - Marketed	34 million cu ft	*	2011	find more
Coal	2,937 thousand short tons	0.3%	2011	find more
Capacity	Maryland	Share of U.S.	Period	
Crude Oil Refinery Capacity (as of Jan. 1)	0 barrels/calendar day	0.0%	2012	
Electric Power Industry Net Summer Capability	12,583 MW	1.2%	2011	
Net Electricity Generation	Maryland	Share of U.S.	Period	find more
Total Net Electricity Generation	3,027 thousand MWh	0.8%	Aug-13	
Petroleum-Fired	7 thousand MWh	0.6%	Aug-13	find more
Natural Gas-Fired	199 thousand MWh	0.2%	Aug-13	find more
Coal-Fired	1,386 thousand MWh	0.9%	Aug-13	find more
Nuclear	1,258 thousand MWh	1.8%	Aug-13	find more
Hydroelectric	75 thousand MWh	0.3%	Aug-13	find more
Other Renewables	73 thousand MWh	0.4%	Aug-13	
Stocks	Maryland	Share of U.S.	Period	find more
Motor Gasoline (Excludes Pipelines)	--	--	Aug-13	
Distillate Fuel Oil (Excludes Pipelines)	1,592 thousand barrels	1.6%	Aug-13	find more
Natural Gas in Underground Storage	61,671 million cu ft	0.8%	Aug-13	find more
Petroleum Stocks at Electric Power Producers	742 thousand barrels	2.4%	Aug-13	find more

Coal Stocks at Electric Power Producers	1,312 thousand tons	0.8%	Aug-13	find more
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Production Facilities **Maryland**

Major Coal Mines	None			find more
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Petroleum Refineries	None			find more
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Major Non-Nuclear Electricity Generating Plants	Chalk Point LLC (Mirant Chalk Point LLC) ; Kelson Ridge Generating Station (Free State Electric LLC) ; Morgantown Generating Plant (Mirant Mid-Atlantic LLC) ; Brandon Shores (Constellation Power Source Gen) ; NAEA Rock Springs LLC (NAEA Rock Springs LLC)			
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Nuclear Power Plants	Calvert Cliffs Nuclear Power Plant (Calvert Cliffs Nuclear PP Inc)			find more
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Distribution & Marketing

Distribution Centers **Maryland**

Oil Seaports/Oil Import Sites	Baltimore.			find more
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Natural Gas Market Centers	None			
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Major Pipelines **Maryland**

Crude Oil	None			find more
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Petroleum Product	Colonial			
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Liquefied Petroleum Gases	None			
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Interstate Natural Gas Pipelines	Columbia Gas Transmission Corp., Cove Point LNG LP., Dominion Transmission Co., Eastern Shore Natural Gas Co., Texas Eastern Transmission Corp., Transcontinental Gas Pipeline Co.			
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Fueling Stations	Maryland	Share of U.S.	Period
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Motor Gasoline	1,540 stations	1.4%	2011
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Liquefied Petroleum Gases	18 stations	0.6%	2013
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Compressed Natural Gas	9 stations	0.8%	2013
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Ethanol	22 stations	0.9%	2013
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Other Alternative Fuels	415 stations	2.6%	2013
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Consumption & Expenditures

Summary	Maryland	U.S. Rank	Period
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Total Consumption	1,426 trillion Btu	27	2011	find more
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Total Consumption per Capita	244 million Btu	40	2011	find more
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Total Expenditures	\$ 23,204 million	22	2011	find more
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Expenditures as	7.7 %	39	2011	
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Percent of Current-Dollar GDP

by End-Use Sector	Maryland	Share of U.S.	Period	
Consumption				
» Residential	418 trillion Btu	2.0%	2011	find more
» Commercial	428 trillion Btu	2.4%	2011	find more
» Industrial	146 trillion Btu	0.5%	2011	find more
» Transportation	434 trillion Btu	1.6%	2011	find more
Expenditures				
» Residential	\$ 5,331 million	2.1%	2011	find more
» Commercial	\$ 4,469 million	2.5%	2011	find more
» Industrial	\$ 1,551 million	0.6%	2011	find more
» Transportation	\$ 11,852 million	1.7%	2011	find more
by Source	Maryland	Share of U.S.	Period	
Consumption				
» Petroleum	92.9 million barrels	1.3%	2011	find more
» Natural Gas	193.9 billion cu ft	0.8%	2011	find more
» Coal	9.9 million short tons	1.0%	2011	find more
Expenditures				
» Petroleum	\$ 13,712 million	1.5%	2011	find more
» Natural Gas	\$ 1,925 million	1.2%	2011	find more
» Coal	\$ 881 million	1.7%	2011	find more
Consumption for Electricity Generation	Maryland	Share of U.S.	Period	find more
Petroleum	14 thousand barrels	0.8%	Aug-13	find more
Natural Gas	1,813 million cu ft	0.2%	Aug-13	find more
Coal	606 thousand short tons	0.7%	Aug-13	find more
Consumption for Home Heating	Maryland	U.S. Average	Period	
Natural Gas	44.1 %	49.5 %	2011	
Fuel Oil	10.5 %	6.5 %	2011	
Electricity	40.1 %	35.4 %	2011	
Liquefied Petroleum Gases	3.1 %	5.0 %	2011	
Other/None	2.2 %	3.6 %	2011	

Environment

Special Programs	Maryland			find more
Clean Cities Coalitions	State of Maryland Clean Cities Coalition			
Alternative Fuels	Maryland	Share of U.S.	Period	find more
Alternative Fueled Vehicles in Use	28,110 vehicles	2.4%	2011	find more
Ethanol Plants	0 plants	0.0%	2013	find more
Ethanol Plant Capacity	0 million gal/year	0.0%	2013	find more
Ethanol Consumption	5,714 thousand barrels	1.9%	2011	find more
Total Emissions	Maryland	Share of U.S.	Period	find more
Carbon Dioxide	70.5 million metric tons	1.3%	2010	
Electric Power Industry Emissions	Maryland	Share of U.S.	Period	find more
Carbon Dioxide	23,625,407 metric tons	1.0%	2011	
Sulfur Dioxide	48,756 metric tons	1.0%	2011	
Nitrogen Oxide	25,315 metric tons	1.1%	2011	

Analysis

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 area and the metropolitan area adjacent to Washington, DC.

Natural Gas

Several major pipelines from the Gulf Coast region supply natural gas to Maryland markets. One of nine 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 from Trinidad and Tobago, Egypt, and Norway. The converted natural gas is distributed throughout the Mid-Atlantic and Northeast. 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. Power from the State's only nuclear plant, the dual-unit Calvert Cliffs facility, typically supplies more than one-fourth of generation, and petroleum- and natural gas-fired plants supply much of the remainder. Maryland is a minor producer of coal with supplies in the West; most of the State's coal-fired power plants burn coal shipped from West Virginia and Pennsylvania. The Conowingo hydroelectric plant on the Susquehanna River, one of Maryland's largest generation facilities, provides almost all of the State's hydroelectricity. More than one-third of Maryland households use electricity as their main source of energy for home heating.

In April 2008, Maryland accelerated its existing renewable portfolio standard to require that renewable energy sources generate 20 percent of the State's electricity by 2022, with 2 percent of that from solar sources.

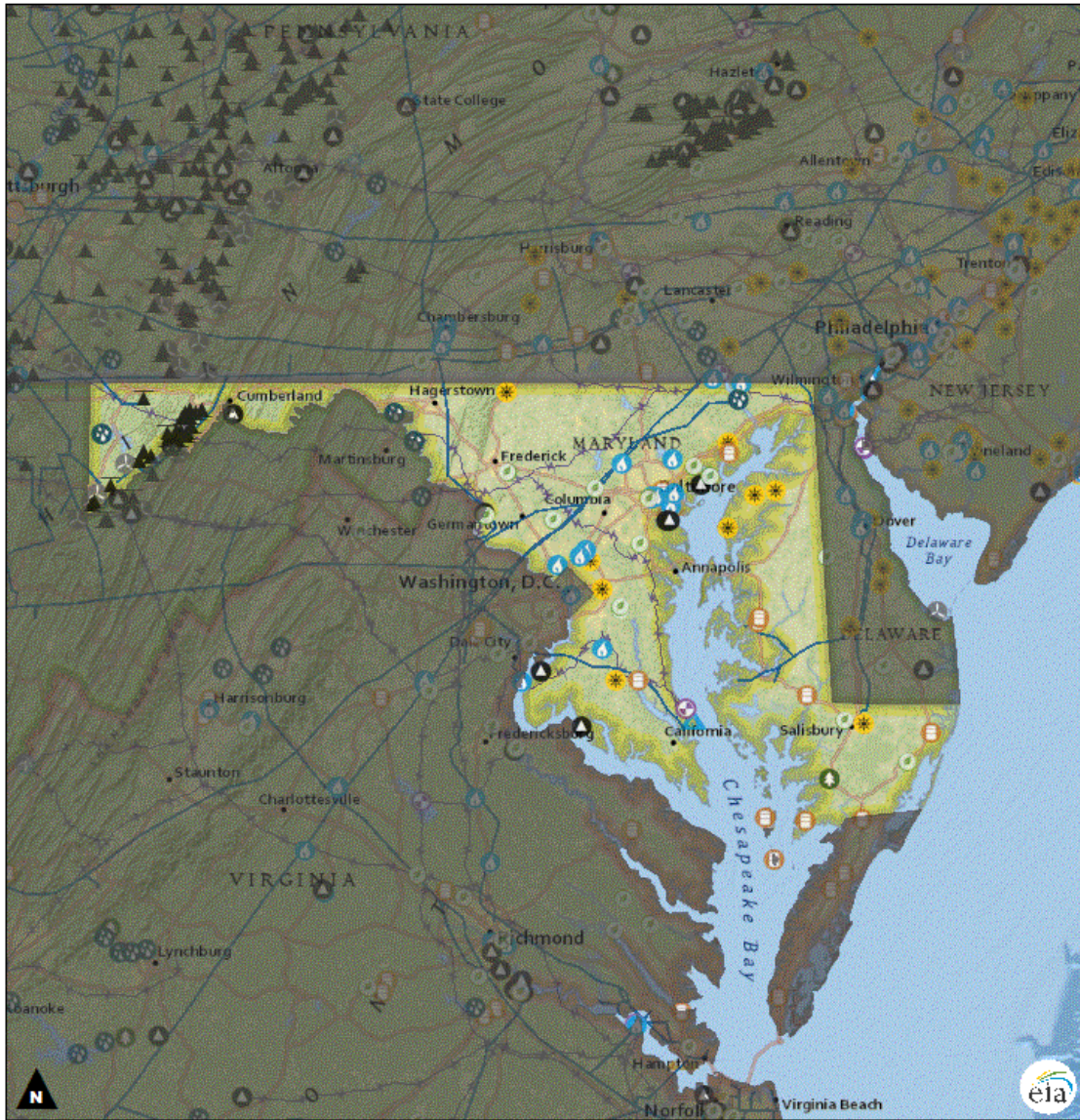
Other Resources

Energy-Related Regions and Organizations

- [Coal Region: Appalachian](#)
- [Regional Transmission Organization \(RTO\): PJM Interconnection \(PJM\)](#)
- [Petroleum Administration for Defense District \(PADD\): 1B](#)
- [North American Electric Reliability Corporation \(NERC\) Region: Reliability First Corporation \(RFC\)](#)

Other Websites

- [Maryland Energy Administration](#)
- [Maryland Public Service Commission](#)
- [Maryland Department of Housing and Community Development - Multifamily Energy Efficiency and Housing Affordability Program \(MEEHA\)](#)
- [Maryland Department of Housing and Community Development - Weatherization Assistance Program](#)
- [Maryland Department of the Environment - Mining Program](#)
- [Maryland Department of Housing and Community Development - EmPower Maryland LIEEP](#)
- [Alternative Fuels and Advanced Vehicle Data Center - Federal and State Incentives and Laws](#)
- [Benefits.Gov Energy Assistance \(107\)](#)
- [DSIRE - Database of State Incentives for Renewables and Efficiency](#)
- [National Association of Regulatory Utility Commissioners \(NARUC\)](#)
- [National Association of State Energy Officials \(NASEO\)](#)
- [National Conference of State Legislatures \(NCSL\)-Issues and Research - News Highlights: Issues and Research - Energy](#)
- [National Renewable Energy Laboratory \(NREL\)-Dynamic Maps, Geographic Information System \(GIS\) Data and Analysis Tools - Maps](#)
- [U.S. Geological Survey \(USGS\) Maps, Imagery, and Publications - Maps](#)
- [Interstate Oil and Gas Compact Commission](#)
- [Bureau of Ocean Energy Management](#)
- [Department of Human Resources - Office of Home Energy Programs](#)
- [Maryland Green Registry - Energy](#)
- [United States Department of Health and Human Services - Administration for Children and Families - Low Income Home Energy Assistance Program](#)



States:Electricity Transmission Lines - Ventyx, Velocity Suite;Grey Base:National

0 15 30 60 Miles

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|--------------------------|----------------------------------|-------------------------------|
| ■ Mask | ⊕ Hydroelectric Power Plant | Ⓜ Pumped Storage Power Plant |
| ▲ Surface Coal Mine | ⊕ Natural Gas Power Plant | ☀ Solar Power Plant |
| ▲ Underground Coal Mine | ⊕ Nuclear Power Plant | ⊕ Wind Power Plant |
| ⊕ Biomass Power Plant | ● Other Power Plant | ⊕ Wood Power Plant |
| ⊕ Coal Power Plant | ⊕ Other Fossil Gases Power Plant | ⊕ Petroleum Refinery |
| ⊕ Geothermal Power Plant | ⊕ Petroleum Power Plant | ⊕ Strategic Petroleum Reserve |

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