

# PETROLEUM

- About 48 percent of the nation's supply of me is imported.
- My major use is for transportation fuel.
- My products are shipped to locations in Virginia by pipeline.
- I am the leading source used for all energy in the US.
- Texas, North Dakota, and California produce the most of me.
- The United States is the world's top producer of me.

# COAL

- I generate 38.6% of the nation's electricity.
- I'm transported mostly by trains.
- Virginia's ports are a major export location for me.
- I'm America's most abundant fossil fuel.
- I am the third leading source for electricity in Virginia.
- Efforts are made to remove sulfur from me.

# NATURAL GAS

- I heat roughly half the nation's homes.
- A chemical is added to me to make it detectable.
- I'm transported mostly by pipeline.
- I am the source used for almost half of Virginia's electricity.
- I am a fossil fuel but I produce almost no air pollution.
- In Virginia, I am found most often along with coal.

# URANIUM

- I'm the nation's third leading energy source for electricity.
- I was first used in 1957 to make electricity.
- My power plants store my spent fuel waste products on site.
- I provide about 31 percent of Virginia's electricity.
- I am used in two locations in Virginia.
- Nation-wide, I'm used in 99 locations total.

# PROPANE

- I am a fossil fuel.
- I am obtained by processing two other fossil fuels.
- I can be compressed to a liquid for easy transport.
- I'm colorless and odorless.
- I am often used in rural areas.
- I'm normally stored under pressure.

# HYDROPOWER

- I supply 5-10 percent of the nation's electricity, depending on rainfall.
- There are 26 sites that use me in Virginia.
- I produce a little less than two percent of Virginia's electricity.
- Some countries use me to a great extent to produce electricity.
- My facilities can disrupt wildlife and fish populations.
- One of the largest pumped storage facilities using me is in Bath County, Virginia.

# BIOMASS

- I can be used to produce methane.
- My energy comes from the sun.
- I am used to generate electricity primarily by burning trash.
- Paper mills use me in combined heat and power (CHP) facilities in Virginia.
- I can be used to make renewable transportation fuels.
- Burning me can produce air pollution.

# GEO THERMAL

- I produce less than one percent of US energy.
- I'm used mainly in western states.
- I produce very little of the energy used in Virginia.
- My energy comes from the earth's core.
- My major use is the production of electricity.
- Some homes use me as a heat exchanger for heating and cooling.



# WIND

- A major research facility to study me is being built off the coast of Virginia.
- I produce no air pollution.
- I'm caused by uneven heating of the Earth's surface.
- Most of my resource in Virginia is offshore.
- I produce 4.4 percent of the nation's electricity.
- Very little of Virginia's electricity is generated using me.

# SOLAR

- I'm not available during all hours of the day.
- I can be converted directly into electricity using photovoltaic cells.
- I'm great for water and home heating.
- I work better in some parts of the country.
- My energy is stored in fossil fuels.
- I'm free to use, but my equipment can be costly.