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.
GEOTHERMAL

- 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.
• 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.