Alternative transportation fuels and modes include technologies to replace or minimize traditional petroleum-based fuels and reduce dependence on foreign oil.

**Electric Vehicles**
Plug-in electric vehicles derive power from the electrical grid.

**Mass Transportation**
Shared passenger transportation services move more people per unit of energy than personal vehicles.

**Biofuels**
Biofuels are derived from biological materials or organic waste products.

**Hydrogen**
This readily available element can be used in fuel cells and internal combustion engines.

**Liquefied Natural Gas**
Liquefied natural gas is purified, super-cooled natural gas that can be used in certain vehicles as fuel.

**Hybrid Electric Vehicles**
Dual-powered vehicles operate by combining conventional automotive engines with high-power batteries and electric motors.