



Your Regional Plan

Energy Expenditures for Transportation

Public Facilities and Energy



What does 81,032,292 BTU look like?

Electricity: 23,749 kWh
(3412 Btu/kWh)

Natural Gas: 79,443 Cubic feet

Coal: 6753 pounds
@ 12,000 Btu/pound

Propane: 890 gallons
@ 91,000 Btu/gallon

Gasoline: 648 gallons
@ 125,000 Btu/gallon

#2 Fuel Oil: 583 gallons
@ 139,000 Btu/gallon

#6 Fuel Oil: 540 gallons
@ 150,000 Btu/gallon

Wood: 11.5 tons
@ 3,500 Btu/pound

Metric:

Per Person Energy Expenditure for Transportation:
81,032,292 BTU¹ per person

Geography: Statewide

Summary:

In 2010 there were 1,316,759 people living in the State of New Hampshire. The amount of energy used per person in the State of New Hampshire for the purposes of transportation in 2010 was 106.7 Trillion BTUs. A BTU is the amount of energy needed to heat one pound of water by one degree Fahrenheit. The calculation includes automobiles; trucks; buses; motorcycles; trains, subways, and other rail vehicles; aircraft; and ships, barges, and other waterborne vehicles. Natural gas used in the operation of natural gas pipelines is also included in the transportation sector.

Vehicles whose primary purpose is not transportation (e.g., construction cranes and bulldozers, farming vehicles, and warehouse tractors and forklifts) are classified in the sector of their primary use.

Data Sources:

Federal Highway Administration - Moving 12-Month VMT in Millions of Miles for 2011.

ACS 2010 1 Year Estimate – DP05 – “Total Population”

¹ BTU—British thermal unit is the amount of energy needed to heat one pound of water by one degree Fahrenheit.

