

6.2.5 2010 Impacts of Saving an Electric Quad (1)

<u>Plant Fuel Type</u>	<u>Utility Fuel Input Shares (%)</u>	<u>Average-Sized Utility Unit (MW) in 2010</u>	<u>Aggregate Number of Units to Provide the Fuel's Share of the Electric Quad (2)</u>
Coal	49%	245	36
Petroleum	1%	17	96
Natural Gas	19%	85	141
Nuclear	22%	1,026	3
Renewable (3)	10%	22	184
Total	100%		460

Note(s): 1) This table displays the breakdown of electric power plants that could be eliminated by saving an electric quad, in exact proportion to the actual primary fuel shares for electricity produced nationwide in 2010. Use this table to estimate the avoided capacity implied by saving one electric quad. 2) Based on typical U.S. power plants operating less than full load throughout the year. 3) Includes pumped storage.

Source(s): EIA, Electric Power Annual 2010, Feb. 2012, Table 1.2; and EIA, Annual Energy Outlook 2012 Early Release, Jan. 2012, Table A2 for consumption and Table A8 for electricity supply.