

A New Way of Thinking.

Nuclear power is efficient.

Nuclear power plants are efficient, especially when compared with other fuel sources for electricity. One uranium fuel pellet — about the size of a pencil eraser — can produce about the same amount of electricity as 17,000 cubic feet of natural gas, 1,780 pounds of coal or 149 gallons of oil. And each of the 157 fuel bundles in V.C. Summer's reactor is designed to last four-and-a-half years before it needs to be replaced.



Nuclear plants are also efficient when it comes to land use compared to alternate sources. The footprint of V.C. Summer takes up only a few square miles, while the equivalent amount of electric production by solar generation would require solar panels that take up an area approximately the size of Columbia, S.C. Equivalent wind generation would require a network of turbines that would stretch the length of the entire coast of South Carolina three deep.