



Why nuclear power is right for South Carolina.

SCE&G projects the need for a large-scale power plant to serve its customers by 2016. Nuclear power has distinguished itself as a viable energy source for South Carolina for many reasons.

- **Nuclear power is reliable.** Nuclear power has the highest capacity rate among all electricity sources in the country, operating more than 90 percent of the time, 24 hours a day, seven days a week.
- **Nuclear power is efficient.** 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.
- **Nuclear power is proven.** About 52 percent of the electricity produced in South Carolina comes from nuclear power, and the V.C. Summer Nuclear Station has been providing power safely and reliably for nearly 30 years.
- **Nuclear power is economical.** Nuclear energy has the lowest production costs outside of hydroelectric power plants.
- **Nuclear power has strong public support — and it is growing.** In 2011, Bisconti Research conducted a survey of residents living in a 10-mile radius of V.C. Summer Nuclear Station. It found very favorable opinions toward nuclear energy, V.C. Summer, and construction of two new plants at the site. For example, 80 percent favor the use of nuclear energy, and 78 percent agree that we should definitely build more nuclear power plants.
- **Nuclear power provides a positive impact on local and regional economies.** Nuclear plants provide hundreds of high-paying jobs locally and contribute millions in tax revenue to local county governments.
- **Nuclear power, along with conservation and alternative forms of generation, can help provide a diversified group of resources to meet our future generation needs.** Conservation, alternative forms of generation (such as solar and wind) and nuclear power will all play a part in meeting South Carolina's future energy needs. No one source can meet the challenges of a sustainable energy future alone.
- **Nuclear power is safe.** Nuclear power has an outstanding safety record, thanks to a “safety first” culture and strict oversight by such organizations as the Nuclear Regulatory Commission and the Institute of Nuclear Power Operations.
- **Nuclear power is clean.** As the country looks for ways to reduce emissions from automobiles and various power sources, nuclear power continues to generate electricity virtually emissions-free.

For more about nuclear power, please visit www.scnuclear.com as well as the following links:

Nuclear Energy Institute

Clean and Safe Energy Coalition

Nuclear Regulatory Commission

www.nei.org

www.cleansafeenergy.org

www.nrc.gov