



Why nuclear power is right for South Carolina.

As the country uses an increasing amount of electricity, the need for more generation is inevitable. 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 more than 20 years.
- **Nuclear power is economical.** Nuclear energy has the lowest production costs outside of hydroelectric power plants.
- **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.
- **Nuclear power has strong public support — and it is growing.** A recent national survey found that 77 percent of Americans living in close proximity to nuclear power plants are willing to see a new reactor built near them.
- **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.

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

Nuclear Energy Institute	www.nei.org
Clean and Safe Energy Coalition	www.cleansafeenergy.org
Nuclear Regulatory Commission	www.nrc.gov