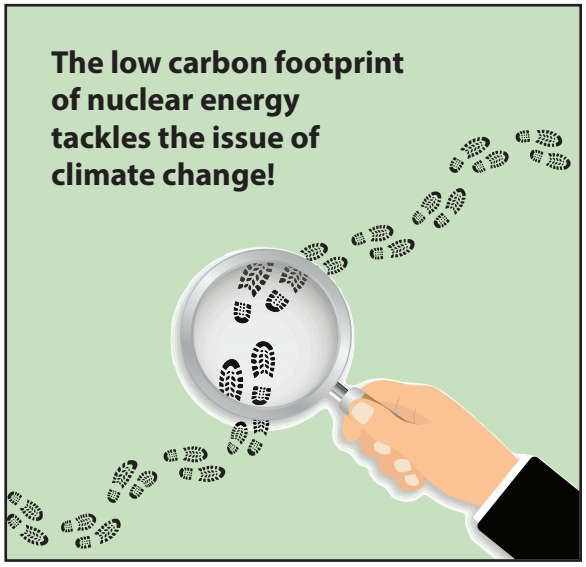
The Lakeland Advantage

- Lakeland's nuclear engineering technology program will prepare students for employment in selected areas within a nuclear power plant.
- Graduates in the program have been hired to work at nuclear power plants across the United States, including at Energy Harbor in Perry, Ohio.
- Current starting salaries range from approximately $50,000-$59,000 per year.*
- Median pay in the U.S. is $79,140 per year.*
- Typical entry-level education needed is an associate degree with no related work experience needed, and moderate on-the-job-training.*

*Sources: bls.gov; Center for Engineering Workforce Development



Lakeland Community College
Nuclear Engineering Technology

For more information on earning your degree, job outlook and the energy industry, contact
Arnold Killian, Program Coordinator
440.525.7523
akillian@lakelandcc.edu
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Lakeland
COMMUNITY COLLEGE
NUCLEAR ENGINEERING TECHNOLOGY

7700 Clocktower Drive
Kirtland, OH 44094

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Nuclear Energy: The New Green

Lakeland's Associate of Applied Science in Nuclear Engineering Technology can prepare you for a career in the energy industry.

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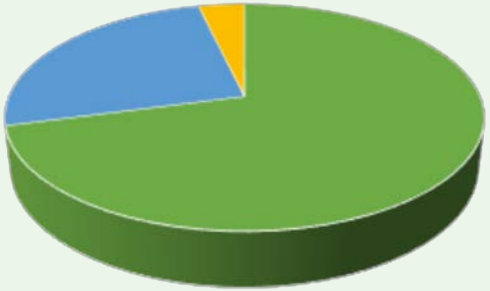
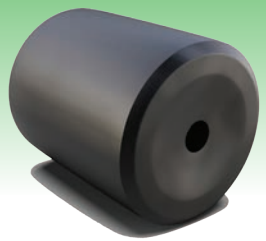
Nuclear Energy Clean Air Facts

About one-third of US electricity production is generated by carbon-free sources with nuclear energy accounting for 71 percent.





The energy in one uranium fuel pellet, the size of the tip of your little finger, generates as much electricity as:

1,780 pounds of coal

149 gallons of oil

17,000 cubic feet of natural gas

The waste produced by energy consumption for a single person over a lifetime of 77 years would be roughly:

Nuclear: the size of a soda can

Coal: 68.5 tons

Radiation exposure

On a cross-country flight, you will receive an average of 3-5 millirems of radiation. This is more than you would receive standing at the gate of a nuclear power plant 24 hours a day for a year. A person would have to live next door to a nuclear energy facility for more than 1,000 years to get the same amount of radiation dose as a single whole-body CT scan.

Source: U.S. Department of Energy

The average price per kilowatt hour:

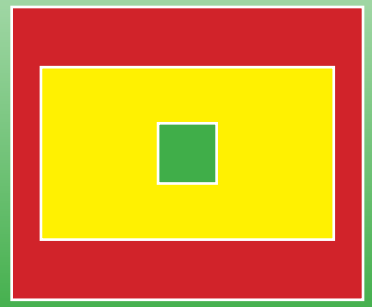
Nuclear:	Coal:	Gas:	Petroleum:	Wind:	Solar:
(2.03 cents)	(2.26 cents*)	(5.11 cents*)	(13.39 cents*)	(17-21 cents**)	(13-31 cents***)

Sources: *U.S. Energy Information Administration, Sept. 2010 report; **Cape Wind pricing, Boston Globe, May 2010; ***Southern California Edison, July 2010

Land consumption required to produce electricity

You can produce a million megawatt-hours of electricity a year from a nuclear reactor sitting on 1 square mile. That's enough electricity to power 2 million homes. In comparison:

- Wind – 30 square miles
- Solar – 15 square miles
- Nuclear – 1 square miles



Unless otherwise noted, these facts are presented by the Nuclear Energy Institute.