

NUCLEAR IS HERE: POWERING TENNESSEE'S FUTURE™

Tennessee is advancing nuclear energy, AI, and quantum computing with innovation, a highly skilled workforce, and public-private partnerships.

ECONOMICS

Unleashing innovation to control costs and building public-private partnerships to deploy new fission and fusion reactors

FUEL CYCLE

Putting new technology to work to reuse nuclear fuel, remove dependence on foreign sources, and ensure American energy dominance

FUELS

Deploying new designs that will enhance operations, increase safety, and ensure national supply chains



LICENSING

Working across industry and with federal partners to develop AI systems that will accelerate licensing of new fission and fusion reactors



MATERIALS

Developing the groundbreaking materials needed to withstand the extreme environments of new fission and fusion reactors



WORKFORCE

Connecting K-12, technical schools, colleges, universities, labor, industry, and federal sites to grow a new generation of nuclear expertise



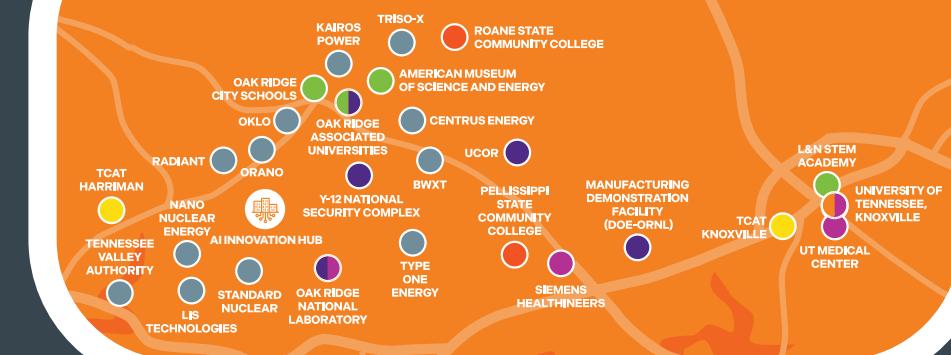
TENNESSEE NUCLEAR NETWORK
An ETEC Initiative
TN²

The state's official partnership to advance nuclear innovation, workforce development, and economic growth and to strengthen Tennessee's position as a global hub for nuclear.

KEY PARTNERS

Anderson County Chamber of Commerce
Anderson County Economic Development Association
Atomic Trades and Labor Council
East Tennessee Development District
East Tennessee Economic Council
East Tennessee Economic Development Agency
Knoxville Chamber of Commerce
Oak Ridge Chamber of Commerce
Oak Ridge Corridor Development Corporation
Roane Alliance
Tennessee Building and Construction Trades

OAK RIDGE CORRIDOR



www.eteconline.org/nuclear-industry-hub/

In the coming decade, Tennessee will be home sweet home to

Top-ranked nuclear engineering graduates



Advanced manufacturing for faster nuclear energy deployment



The 1st commercial deployment of an SMR



A first-of-its-kind fusion stellarator prototype



The nation's base for advancements in enrichment and isotopes

Workforce leadership from the Tennessee Nuclear Energy Workforce Center, which will harness resources statewide to meet industry needs

Artificial intelligence integrated into the region's leading infrastructure, scientific capabilities, and data capabilities to accelerate American leadership

The nation's source for HALEU TRISO fuel



Modernization of the nation's highly enriched uranium capability



The 1st non-light-water reactor operational in the US in the 21st century



Quantum innovation that includes a commercial network connecting the Oak Ridge Corridor



The No. 1 supercomputer enabled for quantum, AI, and big science



State of Tennessee

The state appointed the Tennessee Nuclear Energy Advisory Council to make Tennessee a leader in nuclear, with agencies across state government carrying on the work.

- Board of Regents
- Dept. of Education
- Dept. of Economic and Community Development
- Dept. of Labor and Workforce Development
- Higher Education Commission
- Board of Education
- Dept. of Environment and Conservation

Education

UNIVERSITIES AND COLLEGES

University of Tennessee, Knoxville
University of Tennessee, Chattanooga
University of Tennessee Health Science Center
Tennessee Tech University
Vanderbilt University
Tennessee State University
Middle Tennessee State University
University of Tennessee-Oak Ridge Innovation Institute

K-12 SCHOOLS AND STEM COMMUNITY PROGRAMS

Oak Ridge City Schools
L&N STEM Academy
Anderson County Schools
Roane County Schools
American Museum of Science and Energy
Tennessee Nuclear Energy Workforce Center
Oak Ridge Associated Universities

COMMUNITY COLLEGES

TENNESSEE COLLEGES OF APPLIED TECHNOLOGY

New Nuclear



Nuclear Medicine

Tennessee's medical expertise and nuclear capabilities are leveraging the power of nuclear medicine for life-saving diagnostics and treatments.

East Tennessee State University
Ballad Health
University of Tennessee Health Science Center
University of Tennessee Medical Center
Oak Ridge National Laboratory

University of Tennessee, Knoxville
Siemens Healthineers
Vanderbilt University
St. Jude Children's Research Hospital, Nashville

Industry

Across the state, 229 companies are part of the nuclear industry, with 154 companies based in the Oak Ridge-Knoxville area.



Join us at jobs.ornl.gov.



ORNL is an equal-opportunity employer. All qualified candidates, including protected veterans and individuals with disabilities, are encouraged to apply. ORNL is an E-verify employer.