UTAH OFFICE OF ENERGY DEVELOPMENT

Benefits of Nuclear Energy

Nuclear energy is a vital part of America's clean energy mix, providing reliable, clean electricity around the clock. It supports climate goals, creates high-paying jobs and strengthens national energy security, making it an essential resource for a sustainable future.

Emission-Free

Nuclear energy is the largest source of clean power in the United States, generating nearly half of the nation's emissions-free electricity.

Nuclear energy helps to avoid more than **470 million tons of carbon emissions,** the yearly equivalent to removing

100 million vehicles from the road.

Economy-Wise

The U.S. nuclear industry provides nearly 500,000 jobs with salaries about 50% higher than other energy sectors and generates billions annually for local economies through taxes and economic activity.

Reliable

Nuclear power plants operate continuously, providing stable baseload electricity around the clock, regardless of weather or time of day.

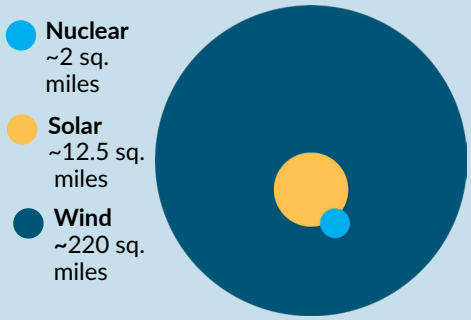
TWENTY-FOUR SEVEN
RELIABLE
EFFICIENT
sustainable
ECONOMICAL
Safeguarded
NUCLEAR POWER

For every 10 jobs at a nuclear power plant, another 35 jobs are created in surrounding communities, facilitating jobs in construction, service and supplies.

Efficient

A typical 1,000-megawatt nuclear plant generates massive amounts of electricity from just over one square mile—using far less land than wind or solar farms need to produce the same amount of power.

Land use per 1,000 megawatt



Secure

Nuclear energy boosts domestic energy security with a stable, homegrown power source. A strong civilian nuclear sector also supports U.S. national security and global leadership in peaceful nuclear technologies.

HISTORY HIGHLIGHT

President Eisenhower's 1953 "Atoms for Peace" program played a pivotal role in reorienting nuclear research from weapons to peaceful energy production, leading to international cooperation and the spread of nuclear power for civilian use.