

American Nuclear Supply Chain Loans

A National Effort to Speed America's Nuclear Energy Renaissance

A Major Federal Investment in America's Nuclear Future

The U.S. Department of Energy (DOE), through its Office of Energy Dominance Financing (EDF), has issued a conditional loan commitment for **\$17.5 billion in financing** for the American Nuclear Supply Chain Loans project. This investment is designed to jumpstart construction of **10 AP1000® advanced commercial nuclear reactors** and accelerate the U.S. nuclear supply chain.

Purpose of the American Nuclear Supply Chain Loans

- **Speed up construction and commercial operation** of new large nuclear reactors by up to three years.
- **Rebuild and expand U.S. nuclear manufacturing capacity** to ensure components for multiple reactors are ready as needed.
- **Drive down project costs** through bulk purchasing of long-lead reactor components.
- **Strengthen U.S. energy security** with more affordable, reliable baseload power.

How the Financing Will Work

- **DOE funds will support up to five loans**, each loan supporting two reactors per project site.
- Westinghouse Electric Company will partner with up to **five eligible utilities and energy companies nationwide** to procure the long-lead items at a fixed price.
- Each project will be jointly owned by Westinghouse and a utility or energy company partner. For each of the five loans, Westinghouse and their partner will commit approximately **\$1 billion in project equity** upfront prior to accessing DOE loan funds.
- Westinghouse has signed letters of intent with **seven potential partners** with identified project sites.

About the AP1000® Reactor

- **Only fully designed and licensed advanced commercial reactors** operating in the U.S. today.
- **Proven operating history**, generating **1.1 GW** of dependable baseload power.
- **Modular design** supports repeatable, lower-cost deployment.

Why This Matters

How the American Nuclear Supply Chain Loans Will Benefit Americans

Accelerating Affordable, Reliable, Secure Power

- Lays the foundation for **11 GW of new, firm baseload electricity**.
- Helps ensure the U.S. has the reliable baseload power it needs to **make electricity prices more affordable**.
- Provides Americans access to **more secure domestic energy**.

Rebuilding the Nuclear Supply Chain & Supporting U.S. Manufacturing

- **Allows bulk orders of critical “long-lead item” reactor components**—such as reactor pressure vessels, steam generators, prefabricated structural modules, and reactor coolant pumps—**reducing costs and driving efficiencies across a multisite reactor program**.
- Builds a more reliable supply chain for these items to help **prevent bottlenecks in nuclear plant construction**.
- Sources a **majority of components domestically**, bolstering U.S. manufacturing.
- Project components anticipated to be provided from an estimated **100+ companies across more than 40 states**.

Creating Jobs & Developing a New Generation of American Nuclear Workers

- Rebuilds a robust, experienced **U.S. nuclear workforce**.
- Creates or supports nearly **67,000 jobs** during procurement, construction, and operations, including engineering, supply chain, manufacturing, skilled trades, and services positions.
- Advances President Trump's Executive Order: **Reinvigorating the Nuclear Industrial Base** with its objective of having 10 new large reactors with complete designs under construction by 2030.

What is a conditional commitment?

This project is currently a conditional commitment. The borrower must satisfy certain technical, legal, environmental, and financial conditions before financing is finalized and funds are released.

EDF's Mission

EDF is committed to financing American energy and manufacturing projects that meaningfully contribute to U.S. energy security, grid reliability, and lowering costs for all Americans.



Office of Energy Dominance Financing

EDF

[Energy.gov/EDF](https://www.energy.gov/EDF)