

# Advanced Nuclear Energy

## Loan Guarantees



Through its Title 17 Innovative Energy Loan Guarantee Program, LPO can help finance projects that bring innovative nuclear energy technologies to commercial scale with **\$10.9 billion** of available loan guarantees.

Contact LPO today to schedule a pre-application consultation: [LGProgram@hq.doe.gov](mailto:LGProgram@hq.doe.gov)



### The Value of Working With LPO

LPO provides borrowers access to capital, flexible financing, and expert project support to help reinvigorate, advance, and transform America's energy infrastructure.

#### Access to Capital

LPO can provide first-of-a-kind projects and other high-impact, energy-related ventures with access to debt capital that private lenders cannot or will not provide. LPO has approved more than \$30 billion of loans and loan guarantees for more than 30 projects.

#### Flexible Financing

LPO can provide flexible, custom financing to meet the specific needs of individual borrowers. LPO works closely with industry to bridge gaps in the commercial debt market when innovative technologies may not be well understood by the private sector.

#### A Committed Project Partner

LPO can engage with projects early in development and remains involved for the entire lifetime of the loan. Projects are supported by an in-house team of experienced financial, technical, legal, risk mitigation, portfolio management, and environmental professionals.

### Advanced Nuclear Technology Areas

Projects employing advanced nuclear energy technologies in one or more of the following broad technology categories may be eligible:

#### Advanced Nuclear Reactors

State-of-the-art design improvements in fuel technology, thermal efficiency, modularized construction, and safety systems.

#### Small Modular Reactors

State-of-the-art design improvements, including but not limited to modularized construction and standardized design, for facilities that are 300 MW or smaller in size.

#### Upgrades & Upgrades at Existing Facilities

Efficiency improvements to an existing reactor, and critical improvements that are requisite to current or future facility operation.

#### Front-End Nuclear

Uranium conversion or enrichment, and/or nuclear fuel fabrication.

## Basic Project Eligibility Requirements

Advanced Nuclear Energy projects must satisfy all four of the following basic eligibility requirements to be considered for the Title 17 Innovative Energy Loan Guarantee Program:

- ✓ **Innovative Technology**
- ✓ **Greenhouse Gas Benefits**
- ✓ **Located in the United States**
- ✓ **Reasonable Prospect of Repayment**

## Loan Application Process

- 1 **Pre-Application Consultation**  
Engage with LPO for a no-fee, pre-application consultation to review project technology areas and basic eligibility requirements.
- 2 **Formal Application Process**  
Submit Part I application to LPO to determine basic eligibility, followed by a more thorough Part II application to determine project viability.
- 3 **Due Diligence & Term Sheet Negotiation**  
Enter due diligence, negotiate term sheet, and receive a conditional commitment offer.
- 4 **Loan Closing & Project Monitoring**  
Negotiate and execute loan documents. After loan closing, LPO monitors construction and operation throughout the life of the loan.



## Title 17 Innovative Energy Loan Guarantee Program

### Project Spotlight

#### Vogtle

Over the past decade, LPO has focused on helping companies overcome the unique financing hurdles that come with trying to bring innovative energy technologies from demonstration to commercialization in the United States.

In Georgia, LPO has guaranteed up to \$12 billion of loans for the construction of two nuclear reactors at the Vogtle nuclear project, the only new nuclear reactor construction to be undertaken in the United States in more than 30 years. Vogtle is laying the groundwork for advanced nuclear reactors and a new generation of skilled nuclear workers.

Advanced nuclear energy plays an important role in supporting a reliable and resilient grid and promoting economic growth. As it has done for the Vogtle advanced nuclear project, LPO stands poised to provide the capital, flexible financing, and project support necessary for innovative advanced nuclear energy projects across the United States.

## Contact Us & Learn More

Contact LPO to schedule a no-fee, pre-application consultation at: [LGProgram@hq.doe.gov](mailto:LGProgram@hq.doe.gov)

Learn more about LPO & the Title 17 Innovative Energy Loan Guarantee Program at: [energy.gov/LPO](https://energy.gov/LPO)

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