

Advanced Fossil Energy

Loan Guarantees



Through its Title 17 Innovative Energy Loan Guarantee Program, LPO can help finance projects that bring innovative fossil energy technologies to commercial scale with **\$8.5 billion** of available loan guarantees.

Contact LPO today to schedule a pre-application consultation: 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 Fossil Technology Areas

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

Advanced Resource Development

Including (but not limited to) coal-bed methane recovery and novel oil and gas drilling.

Low-Carbon Power System

Including (but not limited to) chemical looping or processes that isolate fuel from air during combustion, and fuel cells that convert chemical energy into electricity without combustion.

Carbon Capture

Including (but not limited to) CO₂ capture from traditional coal or natural gas electricity generation, and permanent geologic storage or use in enhanced oil recovery.

Efficiency Improvement

Including (but not limited to) combined heat and power and industrial waste recovery, high-efficiency distributed fossil power systems, and microgrids.

Note: LPO can also support certain types of Distributed Energy Projects and Alternative Fuel Vehicle Charging Infrastructure, subject to additional guidance.

Basic Project Eligibility Requirements

Advanced Fossil 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

Lake Charles Methanol

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.

LPO has offered a conditional commitment to guarantee loans of up to \$2 billion for Lake Charles Methanol to construct the world's first methanol production facility that employs carbon capture technology. The Louisiana facility will be the first petcoke-to-methanol facility in the U.S. and its captured carbon will be used for enhanced oil recovery in Texas.

The Lake Charles Methanol project is an example of how LPO can provide the capital, flexible financing, and project support necessary for innovative advanced fossil energy projects across the United States.

Contact Us & Learn More

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Learn more about LPO & the Title 17 Innovative Energy Loan Guarantee Program at: energy.gov/LPO

Advanced Fossil Energy

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LPO
Loan Programs Office