

Advanced Fossil Energy

Loan Guarantees



Technology Spotlight: Carbon Capture, Utilization, and Storage

Through its Title 17 Innovative Energy Loan Guarantee Program, LPO can finance carbon capture, utilization, and storage (CCUS) projects at commercial scale with \$8.5 billion of available loan guarantees.

Contact LPO today to schedule a pre-application consultation: LPO@hq.doe.gov

The Value of Working With LPO

LPO provides borrowers access to capital, flexible financing, and expert project support to help reinvest, 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.



CCUS Areas of Interest

LPO could support CCUS projects that fit the technical eligibility criteria for new or significantly improved technology and reduction of anthropogenic emissions of greenhouse gases or air pollutants.

While not limited to these technologies, projects of interest include power generation or industrial processes using new or improved technology that captures and removes CO₂ for permanent storage in underground formations or through beneficial reuse, low-carbon power systems such as oxy-combustion, and direct air capture of CO₂.

LPO may be able to support infrastructure, products, and services necessary to catalyze CCUS technologies that are at the cusp of initial commercial deployment, such as new or expanded pipeline infrastructure to transport captured carbon to be utilized or stored.

Environmental Compliance Expertise

LPO's Environmental Compliance Division works with the National Energy Technology Laboratory to stay at the forefront of understanding the science necessary to complete environmental reviews pursuant to the National Environmental Policy Act (NEPA) for projects involving CO₂ injection and storage.

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 a Part I application to LPO to determine basic eligibility, and then submit the in-depth Part II application to determine project viability. There is no fee due at the submission of Part I or Part II applications.
- 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. An origination fee will be charged to the applicant only upon financial close of the loan guarantee.



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

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

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

Advanced Fossil Energy

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