

Renewable Energy and Efficient Energy Loan Guarantees



Through its Title 17 Innovative Energy Loan Guarantee Program, LPO can help finance catalytic, replicable, and market-ready renewable energy and efficient energy technologies with \$4.5 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 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.

Renewable Energy & Efficient Energy (REEE) Technology Areas

Technology areas of interest for REEE loan guarantee eligible projects include—but are not limited to—the following broad categories:

Advanced Grid Integration & Storage

Renewable energy generation including distributed generation incorporating storage, and smart grid systems incorporating demand response.

Drop-in Biofuels

New bio-refineries or bio-crude refining processes, and/or modifications to existing ethanol facilities to produce drop-in molecules.

Waste-to-Energy

Methane from landfills or ranches via biodigesters, as well as use of municipal solid waste, crop waste, or forestry waste.

Enhancement of Existing Facilities

Powering non-powered dams or upgrading existing hydro facilities, or retrofitting existing renewable facilities with innovative technology.

Efficiency Improvements

Improve or reduce energy usage in residential, institutional, and commercial facilities, buildings, and/or processes; and recover, store, or dispatch waste energy or underused renewable energy sources.

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

Basic Project Eligibility Requirements

Renewable Energy & Efficient 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

Catalyzing Large-Scale PV Solar

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 2011, at a time when the largest photovoltaic solar power project in the United States was 20 megawatts (MW), LPO financed the nation's first five photovoltaic solar power projects larger than 100 MW. Leveraging the lessons learned in the financing of those first projects, the private sector has since financed dozens of projects larger than 100 MW across the United States.

In addition to photovoltaic solar, LPO has vast experience financing other large-scale renewable energy and efficient energy projects, including onshore wind, concentrating solar power, and geothermal. Along with this expertise, LPO can provide the capital, flexible financing, and project support necessary for innovative renewable energy & efficient 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