

# LOAN PROGRAMS OFFICE

## INVESTING *in*

# AMERICAN ENERGY



## DRIVING AMERICAN INNOVATIVE ENERGY FINANCE

The Department of Energy's **Loan Programs Office (LPO)** was created by Congress in 2005 to help American innovative energy and advanced auto manufacturing projects overcome hurdles in obtaining loans to **help bring new technologies to commercial deployment.**

LPO issues loan guarantees for innovative clean energy projects and loans for advanced technology vehicles manufacturing projects through its **Title XVII and ATVM programs.**

## LOAN PROGRAMS

### TITLE XVII INNOVATIVE CLEAN ENERGY PROJECTS

- Loan Guarantees
- Open Technology-Specific Solicitations

#### TITLE XVII FINANCES PROJECTS THAT:

- Deploy innovative energy technology
- Avoid, reduce, or sequester greenhouse gases
- Have reasonable prospect of repayment
- Are located in the U.S.

[energy.gov/lpo/title-xvii](https://energy.gov/lpo/title-xvii)

### ATVM ADVANCED TECHNOLOGY VEHICLES MANUFACTURING

- Direct Loans
- Rolling Application Deadlines

#### ATVM FINANCES PROJECTS THAT:

- Reequip, expand, or establish manufacturing
- Help meet fuel economy requirements
- Will be financially viable without additional federal funding
- Are located in the U.S.

[energy.gov/lpo/atvm](https://energy.gov/lpo/atvm)

# RETURN ON LPO INVESTMENTS

## DRIVING ECONOMIC GROWTH

- ✓ **\$50 billion** in total project investment
- ✓ **56,000** American jobs saved or created
- ✓ Boosting **local economies**

## REDUCING CARBON EMISSIONS

- ✓ LPO portfolio has prevented **34.7 million metric tons** of CO<sub>2</sub> emissions which is equivalent to **7.3 million cars** off the road
- ✓ ATVM projects have saved **1.7 billion gallons of gasoline**

## LAUNCHING NEW MARKETS

- ✓ Financed first 5 **utility-scale photovoltaic solar** projects (>100 MW); next 45 financed by private market
- ✓ Financed domestic production of **electric vehicles**
- ✓ Financed first new **advanced nuclear** reactors in the U.S.

# STRONG FINANCIAL PERFORMANCE

LPO finances **innovation**, which carries some degree of financial risk. Thanks to **rigorous due diligence and proactive portfolio management**, LPO's portfolio compares favorably to private financing of conventional energy projects in the U.S. while protecting taxpayer interests.

MORE THAN

**\$30**

**BILLION  
PORTFOLIO**

MORE THAN

**\$8**

**BILLION  
IN PRINCIPAL  
& INTEREST  
PAYMENTS**

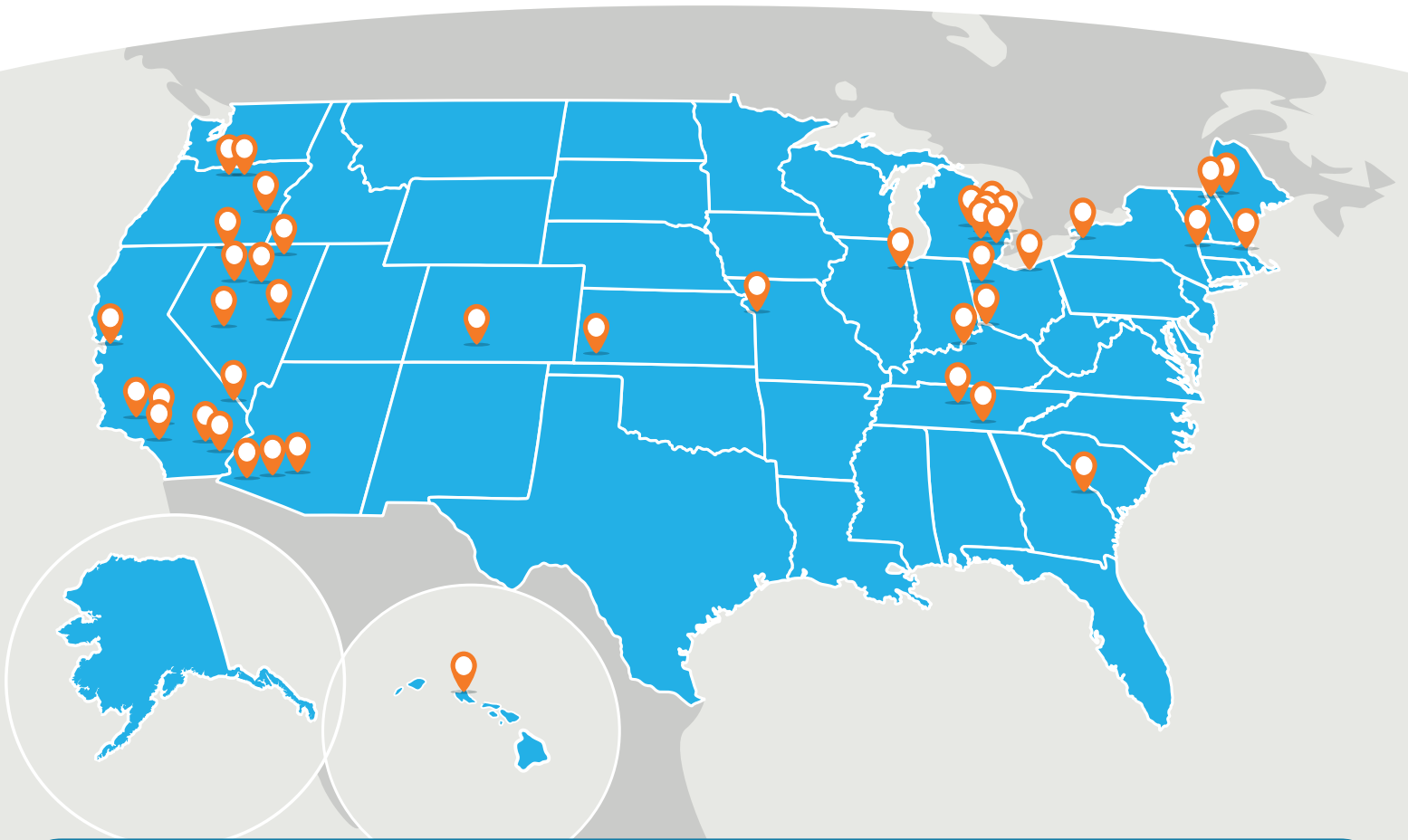
JUST OVER

**2%**

**LOSSES  
AS OF DECEMBER  
2016**

**LOANS, LOAN GUARANTEES & COMMITMENTS**

# OVER 30 PROJECTS BUILT IN 18 STATES



## CURRENT PORTFOLIO TECHNOLOGIES

- ⚡ Advanced Technology Vehicles Manufacturing
- ⚡ Advanced Nuclear Energy
- ⚡ Bioenergy & Biofuels
- ⚡ Concentrating Solar Power
- ⚡ Geothermal Power
- ⚡ Photovoltaic Solar
- ⚡ Solar Manufacturing
- ⚡ Storage & Transmission
- ⚡ Wind Energy

# FINANCING THE FUTURE

LPO IS RESPONDING TO TODAY'S DYNAMIC ENERGY MARKETS WITH MORE THAN \$40 BILLION IN REMAINING LOAN AUTHORITY



## TITLE XVII

### INNOVATIVE CLEAN ENERGY PROJECTS

Loan Guarantee Solicitations



#### ADVANCED FOSSIL ENERGY

**\$8.5 Billion**

Includes Carbon Capture & Storage Projects and Efficient Chemical Process Projects



#### ADVANCED NUCLEAR ENERGY

**\$12.5 Billion**

Includes Front End Nuclear Projects and Small Modular Reactor Projects



#### RENEWABLE ENERGY & EFFICIENT ENERGY (REEE)

**\$4.5 Billion**

Includes Distributed Energy Projects and Electric Vehicle Charging Infrastructure Projects

## ATVM

### ADVANCED TECHNOLOGY VEHICLES MANUFACTURING

Direct Loan Rolling Applications



#### ALL PROJECTS

**\$16 Billion**

Includes Vehicle Manufacturing Projects and Component Manufacturing Projects



QUALIFYING PROJECTS NOT LIMITED TO THESE TECHNOLOGIES

Learn more *at* [energy.gov/lpo](http://energy.gov/lpo)



U.S. DEPARTMENT OF ENERGY

**LOAN PROGRAMS OFFICE**

AS OF DECEMBER 2016