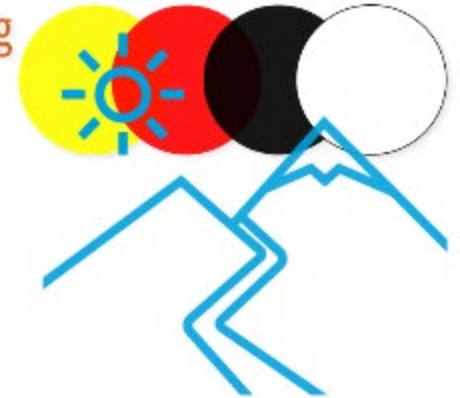




Tribal Energy Financing



# Tribal Public Private Partnerships

**Financing energy sovereignty** and strengthening Native Nations one **investment** at a time.

DOE: Tribal Energy Summit

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October 4, 2022



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# Implementing Energy Credit Statutes

- **Tribal Energy Finance Program**
  - 25 USC 3502
- **Innovative Clean Energy, 1703**
- **Mobility – ATVM**
  - PL 117-169, August 16, 2022, 136 Stat 1818 Inflation Reduction Act, *42 USC 17013 (Section 136 of the Energy Independence and Security Act of 2007, P.L. 110-140)*,
- **Reinvestment (EIRF), 1706**



# The Next Generation of LPO Financing

LPO is working with stakeholders across innovative clean energy and advanced transportation sectors



## Major Technology Sectors

Major Technology Sectors	Technology Areas of Interest
<b>Advanced Vehicles &amp; Components</b>	• Vehicles • Components • Lightweighting • Manufacturing
<b>Biofuels</b>	• Advanced Biofuels • Biodiesel • Cellulosic Biofuels • Renewable Diesel • Sustainable Aviation Fuel (SAF)
<b>Critical Materials</b>	• Extraction • Manufacturing • Mining • Processing • Recovery • Recycling
<b>EV Charging</b>	• Electric Vehicle (EV) Charging Infrastructure Manufacturing & Deployment
<b>Hydrogen</b>	• Generation • Infrastructure • Transportation
<b>Onshore &amp; Offshore Wind</b>	• Offshore Wind • Onshore Wind Infrastructure
<b>Renewable Energy</b>	• Electrification • Geothermal • Hydrokinetics • Hydropower • Solar • Waste Conversion
<b>Storage</b>	• Electric Vehicle (EV) Battery Manufacturing • EV Bidirectional Storage • Newer Battery Chemistries & Flow Batteries • Compressed Air Energy Storage • Pumped Storage Hydropower • Thermal Energy Storage
<b>Transmission</b>	• Grid Efficiency • Grid Reliability • High Voltage Direct Current (HVDC) Systems • Offshore Wind Transmission • Systems Sited Along Rail & Highway Routes
<b>Virtual Power Plants</b>	• Grid Connected Distributed Energy Resources (DERs)
<b>Advanced Fossil</b>	• Carbon Feedstock Waste Conversion • Fossil Infrastructure Repurposed/Hybrid • Hydrogen Generated From Fossil Sources • Industrial Decarbonization • Synfuel
<b>CCUS</b>	• Carbon Capture, Utilization & Storage (CCUS) • Carbon Dioxide Removal (CDR)
<b>Advanced Nuclear</b>	• Small Modular Reactors • Micro Reactors • Nuclear Supply Chain • Nuclear Front-End
<b>Tribal Energy</b>	• Energy Storage • Fossil Energy • Renewable Energy • Transmission Infrastructure • Transportation of Fuels

## Technology Areas of Interest

Include, but are not limited to, the following:



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# Catalyzing \$100B-scale across clean energy

## Overview

- Achieving administration climate targets requires trillions of dollars in capital formation in clean energy
- LPO is focused on catalyzing \$100B scale in each of our focus sectors to create irreversible momentum for the clean energy transition

## LPO's focus sectors

### Carbon management

- Direct Air Capture / CO2 Removal
- Point-source capture
- Carbon transport and storage

### Generation

- Advanced geothermal
- Offshore wind supply chain
- Advanced nuclear
- Utility-scale PV and onshore wind supply chain
- Hydropower

### Grid optimization

- Grid-scale storage
- Virtual power plants / DER
- Transmission infrastructure & optimization
- Green buildings

### Industry

- Green cement
- Waste-to-Value
- Green steel
- Clean hydrogen

### Materials

- Battery, E-Waste, and plastics recycling
- Critical minerals and rare earths

### Transportation

- EVs (mfg, supply chains)
- Next-gen aviation
- EV charging
- Transportation fuels



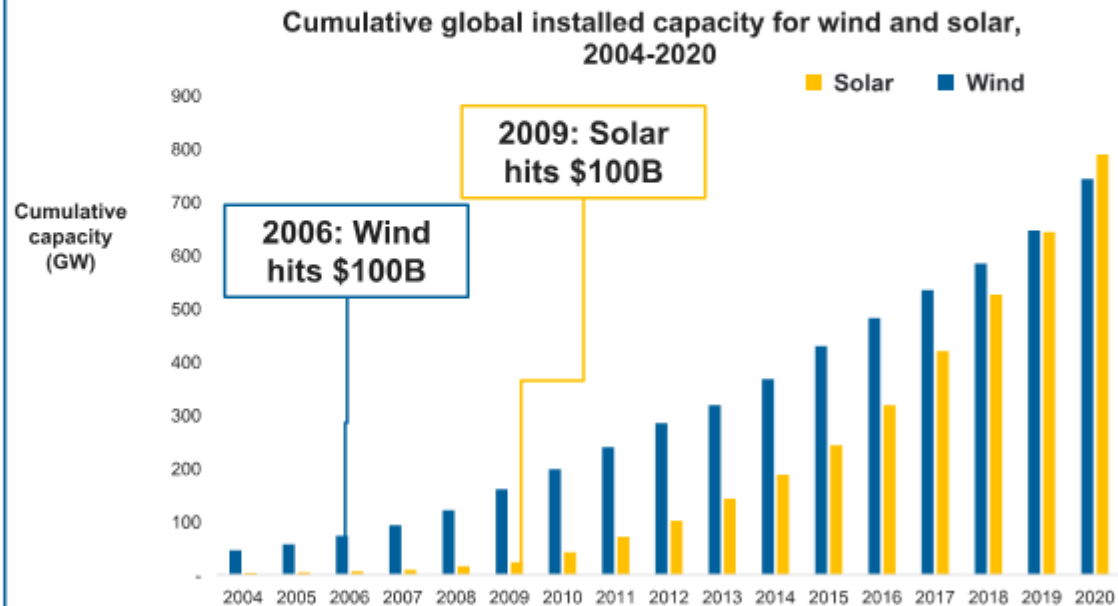
# Tipping point: \$100B in capital formation

## \$100B as a 'rule of thumb' for commercial lift off

At \$100B...

- Cost declines achieved through cumulative doublings of manufacturing capacity
- Project developers achieve repeatable processes
- Supply chain established – raw inputs, components
- Trained workforce developed
- Dedicated core of capital markets professionals with experience funding

## Example: Wind and Solar achieved exponential scale-up after achieving ~\$100B in global capital formation



# LPO Financing

## Supporting Energy Projects

LPO provides **loans and loan guarantees** to projects that have demonstrated potential to **accelerate the decarbonization** of the U.S. economy, focusing on those that combine **clean energy technology** with **effective financial models**.

### Tribal Energy

**Loans & Loan Guarantees**  
TELGP Program

- **Tribal Energy Projects | Up to \$20.0 Billion**

### Advanced Transportation

**Loans & Loan Guarantees**  
ATVM & Title 17 Programs

- **Manufacturing | \$17.7 Billion** in ATVM loans
- **Deployment | Eligible for the same \$2.5 Billion** in Innovative Clean Energy loan guarantees as above

### Innovative Clean Energy

**Loan Guarantees**  
Title 17 Program

- **Innovative Clean Energy | \$2.5 Billion**
- **Innovative Fossil Energy | \$8.5 Billion**
- **Innovative Nuclear Energy | \$10.9 Billion**



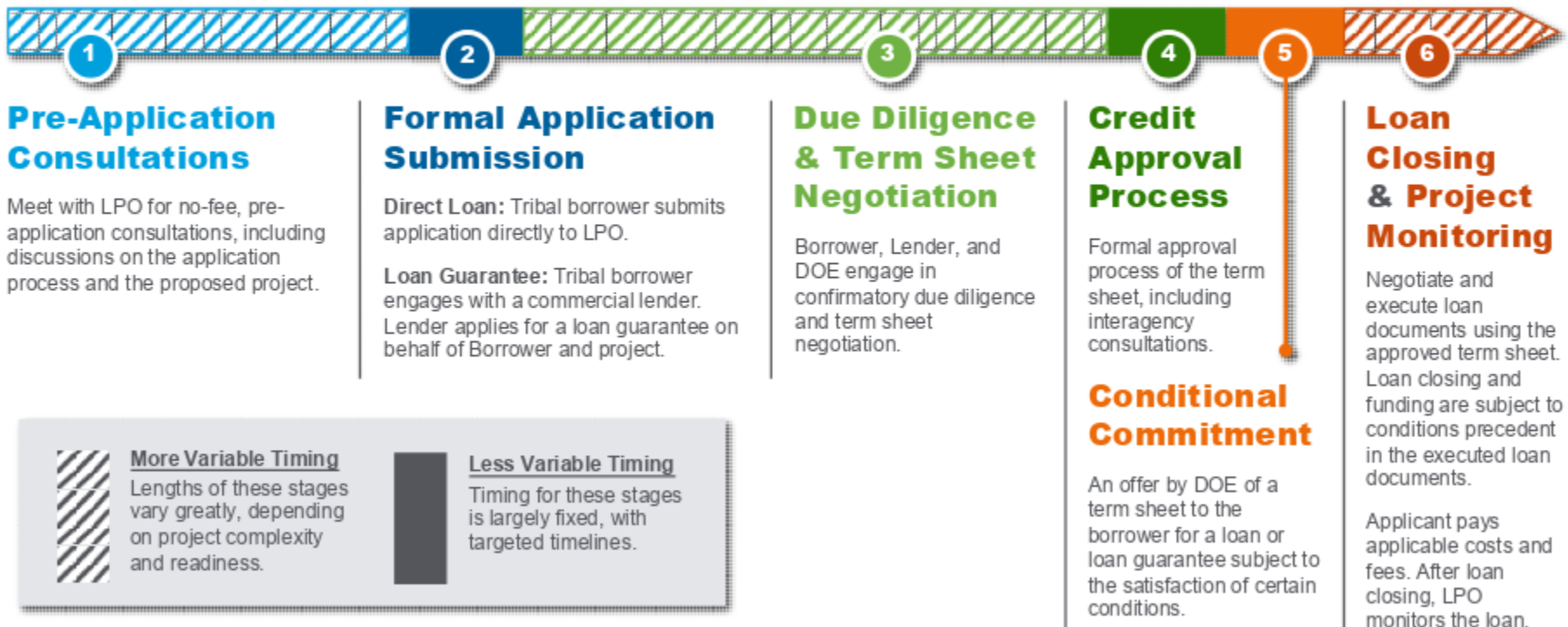
## Energy Infrastructure Reinvestment Financing Program

- **Guarantee loans to projects that retool, repower, repurpose, or replace energy infrastructure that has ceased operations, or enable operating energy infrastructure to avoid, reduce, utilize, or sequester air pollutants or anthropogenic emissions of greenhouse gases.**
  - IRA provides up to \$250 billion in loan authority and appropriates \$5 billion through September 30, 2026, to carry out EIRF.



# Working with LPO: The Process

LPO engages early with applicants and remains a partner throughout the lifetime of the loan





# Tribal Energy Financing

- A Federal Credit Program to finance a Tribe's energy investment
- Established in Energy Policy Act (25 USC 3502)
- Amended in the Inflation Reduction Act
- \$20 B appropriated to lend or guarantee
- \$ 80+ M to pay associated costs including credit subsidy

EXCLUSIVE FOR TRIBES





# Outcome Objective

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Borrower Outcomes, Program Outcomes, Energy System Outcomes



# Tribal Energy Financing

Loans are financed through the Tribal Program under Section 2602(c) of Energy Policy Act

## Program Overview

We consider Tribal energy projects that:

1. **Are owned by a Tribe** or entity that Tribe owns substantial interest.
2. **Are located in the U.S.** (Tribal or non-Tribal land, single site or distributed).
3. **Are financially viable**, including Tribal equity investment in the project.
4. Are seeking direct loans or partial guarantees of commercial loans.
5. Involve energy resources, products, and services that utilize commercial technology (innovative technology is permitted but not required).

**\* Note: Unlike other LPO Programs, there is NO innovation or greenhouse gases (GHG) requirement.**



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# Rebuilding Nation with Energy Plan

An investment in sovereignty

1. Tribal infrastructure investment *bought down with grant*
2. Land & natural resource investment
3. Strategic energy partner investment
4. Sovereign private equity investment
5. Tribal utility authority investment

TRIBAL BORROWER MISSIONS & ROLES

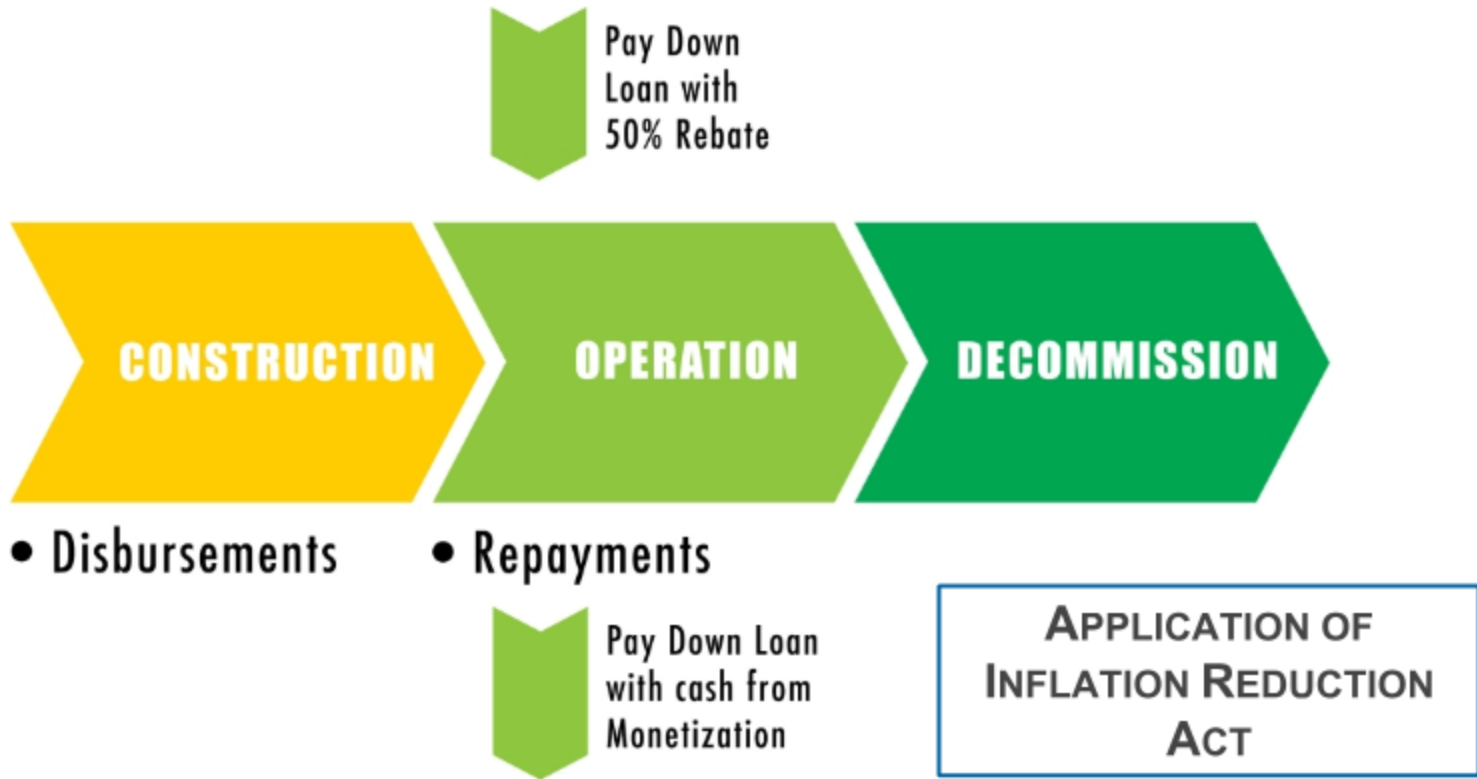


# TRANSACTION PROCESS FOR TRIBES

Engage early to identify hurdles, eligibility, and viability



# CAPITALIZATION & REPAYMENT





# Let's Talk About Your Tribal Energy Project

Contact LPO to see what financing options may be available for your project



Call or write to schedule a no-fee, pre-application consultation: [202-287-5900](tel:202-287-5900) | [LPO@hq.doe.gov](mailto:LPO@hq.doe.gov)



Learn more about LPO and all of its financing programs at: [Energy.gov/LPO](https://www.energy.gov/LPO)

[Energy.gov/LPO/TELGP](https://www.energy.gov/LPO/TELGP)

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