

# Financing Your Energy Future

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

DOE: Office of Indian Energy – 2022  
Tribal Energy Webinar Series:  
Funding Your Energy Future

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# Agenda

- **LPO**| DOE Public Policy Bank
- **Positioning your Tribe**| Tribal Energy Project Financing
- **Future** | IRA, Terms, Short – Medium & Long

# The Loan Program Office

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TELGP Overview  
July 2022  
DOE/LPO22-PPTv03



# LPO Acts as a Bridge to ...

Providing financing for technologies to go the last mile to reach full market acceptance



# 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

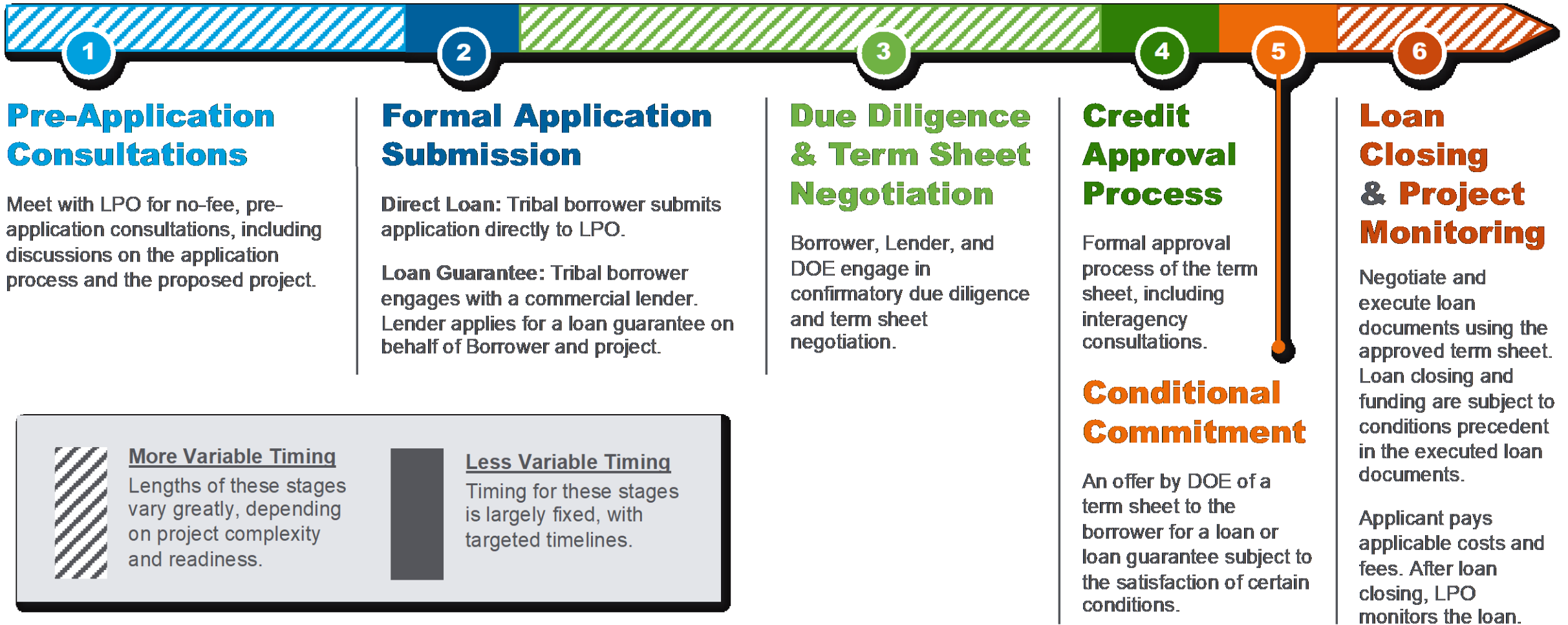
### Innovative Clean Energy

**Loan  
Guarantees**  
Title 17 Program

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

# Working with LPO: The Process

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



# **Positioning your Tribe to participate in the energy transition to the benefit of your community and future generations**

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# 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





# 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.**





*That every sovereign Indian Tribe will have sufficient energy to support its social and economic well-being.*

— National Indian Energy Vision, 1999 (A. David Lester)

The **U.S. Department of Energy Loan Programs Office (LPO)** can provide **access to credit capital for tribal ownership** of energy projects to support energy access, economic development, and self-determination.



**Unlike other federal Indian energy programs,** LPO Tribal Energy project financing:

- Offers loans, which can be catalytic for a Tribe's economic development by creating a multiplier effect
- **Is exclusively for Tribal borrowers**
- Is anchored in the credit market

# 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

# Special skills are needed on Tribe's Team

TECHNICAL ASSISTANCE

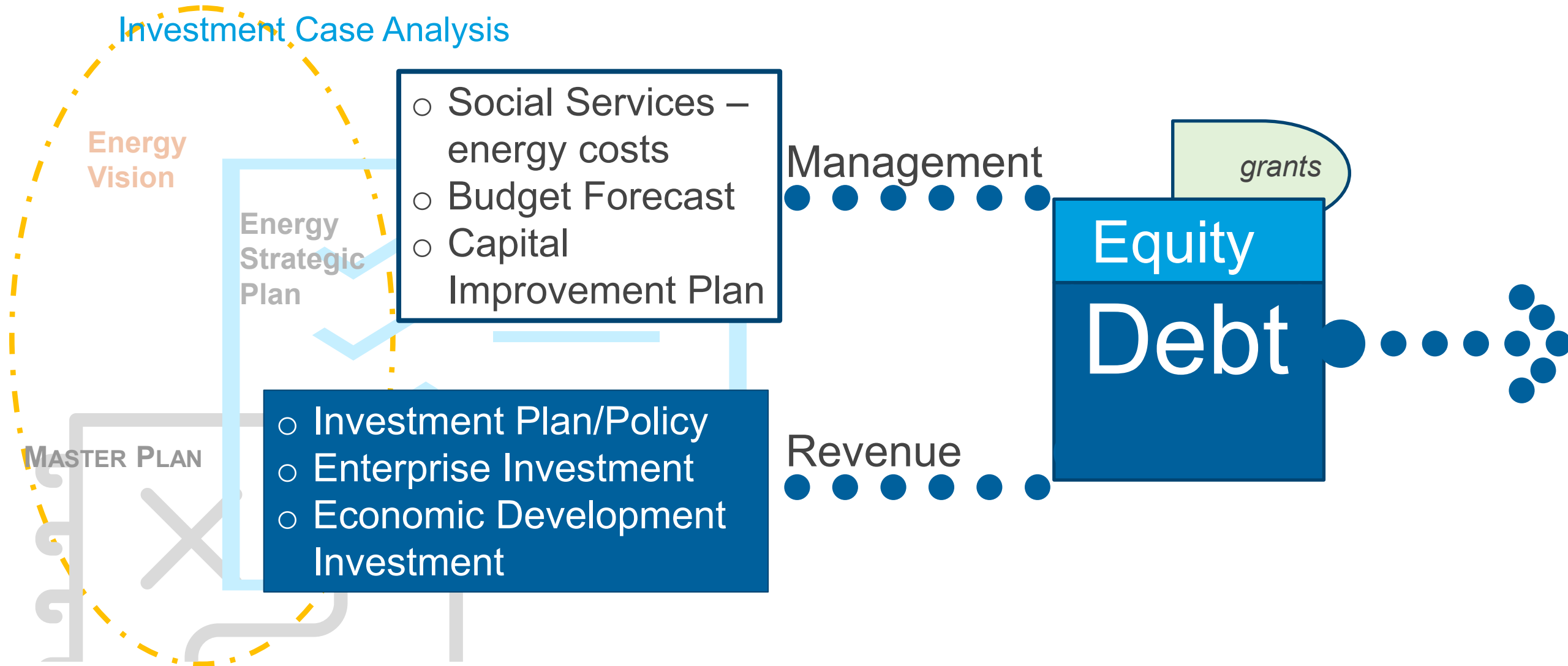
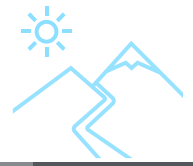
Equity/Grant/Cost  
Share

Loan or  
Guarantee

## Owner's Representative

- Engineer/
- Special Legal Counsel
  - Support Federal Indian Lawyer
- Financial Advisor
- CPA
- Energy Consultant

# Tribal Energy Financing Roadmap



# Commercial Technologies

	STANDARD	CUSTOM (BESPOKE)
Use – Individual Members, Residents & Tenants		
Use – Tribal Government		
Use – Commercial -		

**ALL**  
Energy  
Resources &  
Infrastructure



Behind The  
Meter -  
Facility



Wholesale –  
Commercial,  
Utility




Wholesale –  
Wind



Carbon  
Based

*Reasonable Prospect of Repayment*

- 
- A close-up, over-the-shoulder shot of a person with dark hair looking through a pair of gold-colored binoculars. The background is a blurred outdoor scene with green foliage and other people in the distance.
- Solar PV
  - Land based Wind
  - Transmission
  - Cogeneration
  - Pipelines

Medium Term:

- Microgrids
- Integrated Systems
- Energy as a Services
- Storage\*
- Offshore Wind

Long Term:

- Hydrogen (Fuel Cells)
- ?
- ?
- ?
- ?



A photograph of four construction workers wearing yellow hard hats and high-visibility vests, working on a solar farm. They are in the process of installing large, rectangular solar panels. The background shows a vast desert landscape with mountains in the distance and a small utility vehicle parked nearby. The text 'Inflation Reduction Act' is overlaid in a bold, orange font.

# Inflation Reduction Act

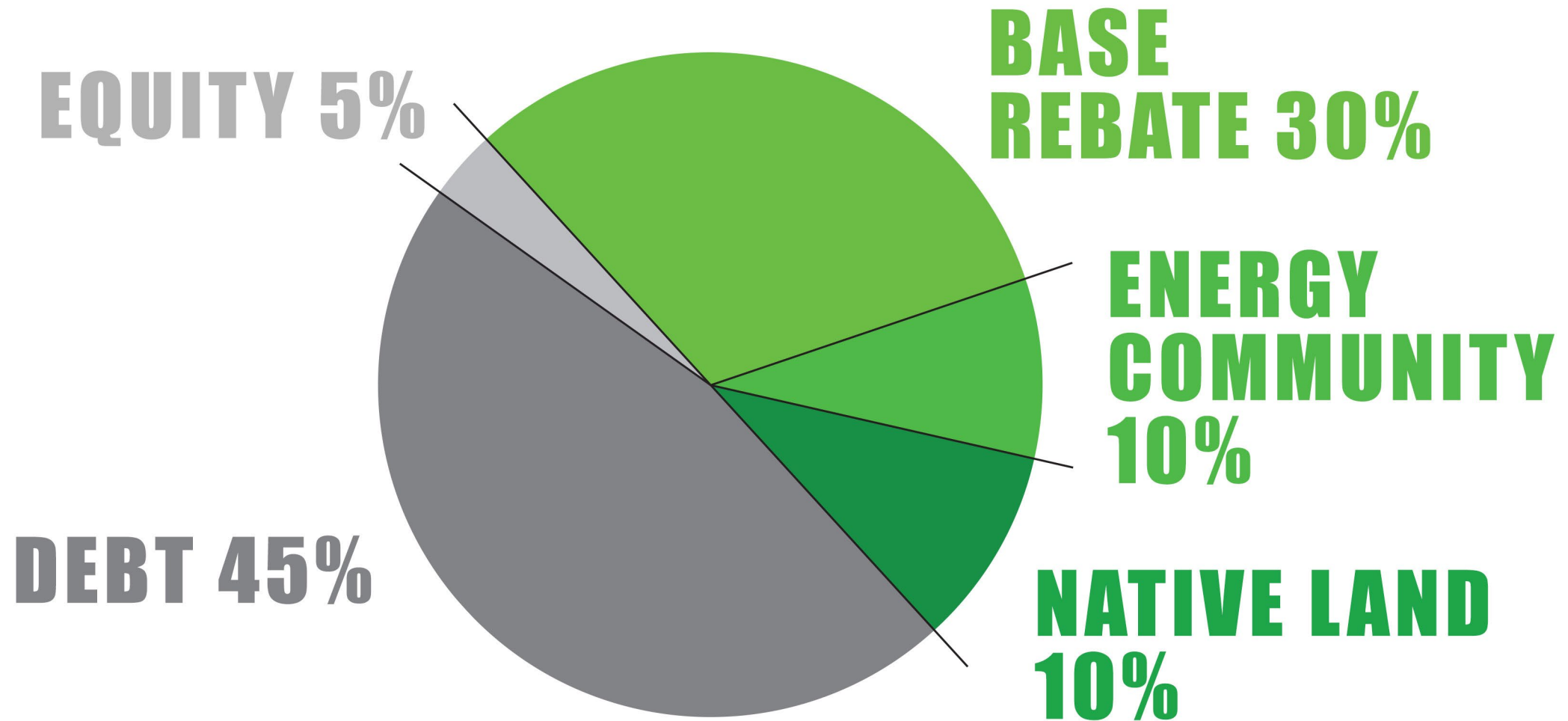


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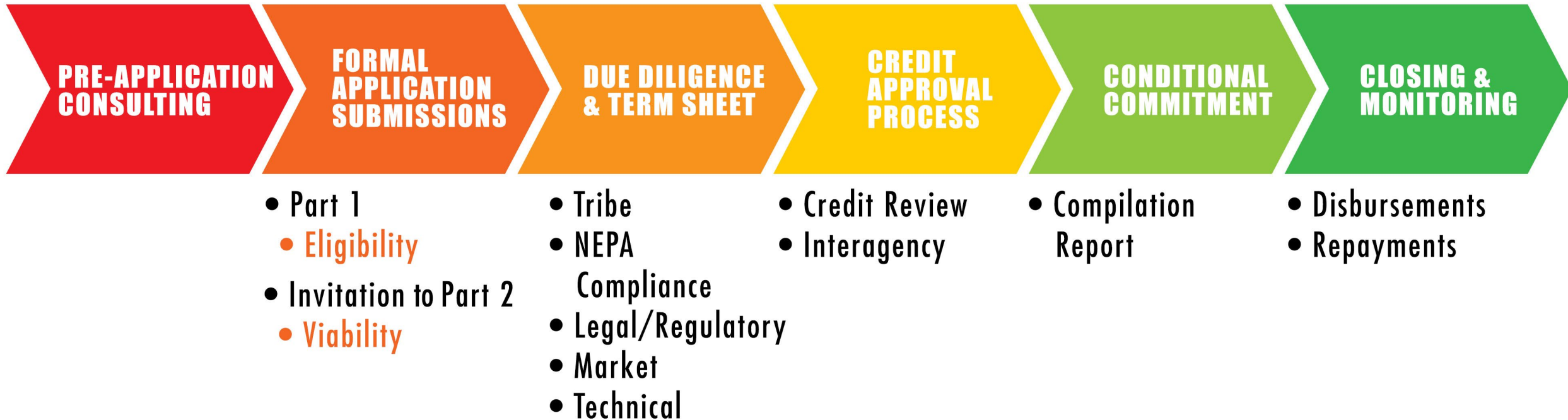


# 50% REBATE REDUCES LOAN AMOUNT BY 50%

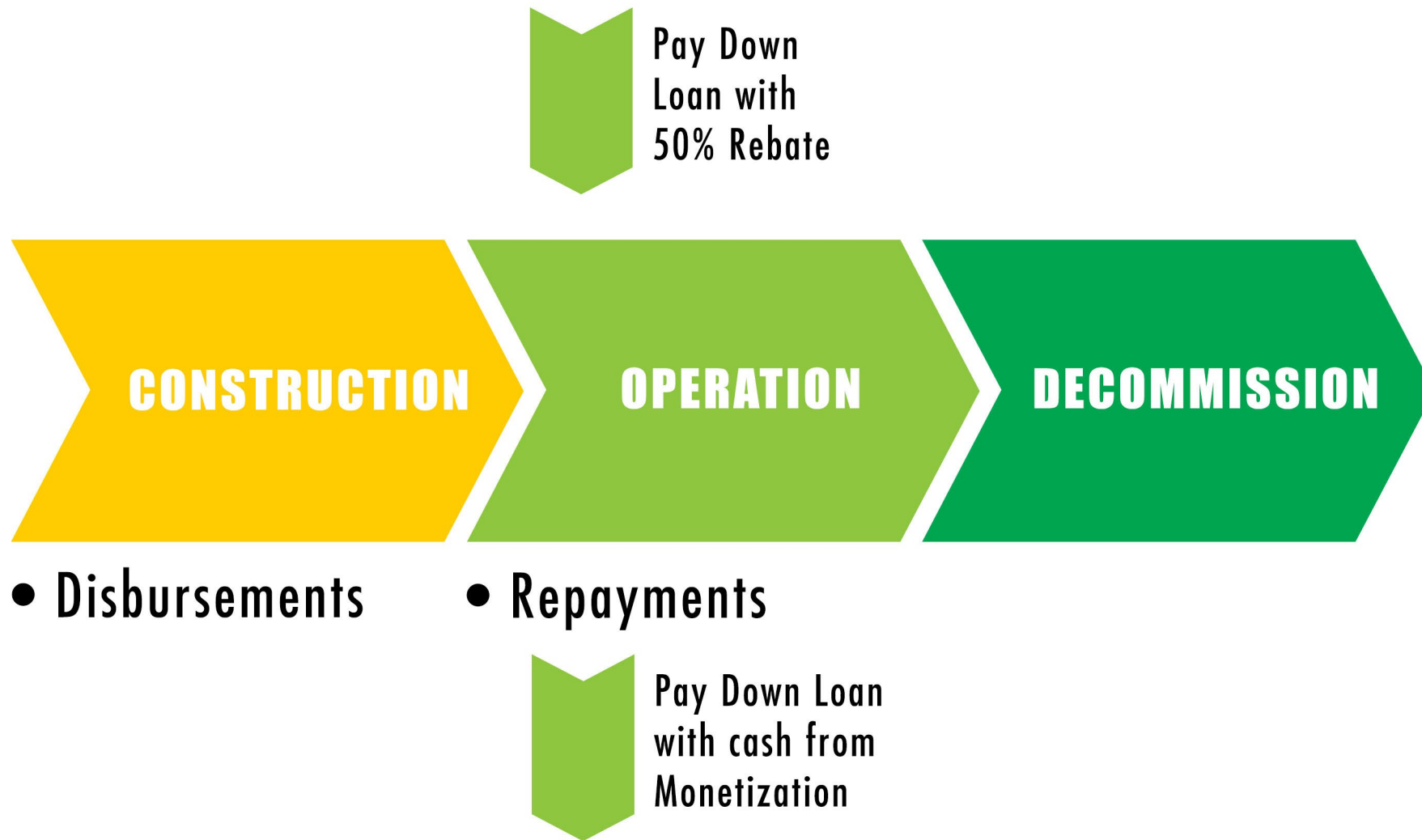


# TRANSACTION PROCESS FOR TRIBES

Engage early to identify hurdles, eligibility, and viability



# CAPITALIZATION & REPAYMENT



# Medium Term



# The Next Generation of LPO Financing

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



## Major Technology Sectors

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

## Technology Areas of Interest

Include, but are not limited to, the following:

- Vehicles • Components • Lightweighting • Manufacturing
- Advanced Biofuels • Biodiesel • Cellulosic Biofuels • Renewable Diesel • Sustainable Aviation Fuel (SAF)
- Extraction • Manufacturing • Mining • Processing • Recovery • Recycling
- Electric Vehicle (EV) Charging Infrastructure Manufacturing & Deployment
- Generation • Infrastructure • Transportation
- Offshore Wind • Onshore Wind Infrastructure
- Electrification • Geothermal • Hydrokinetics • Hydropower • Solar • Waste Conversion
- Electric Vehicle (EV) Battery Manufacturing • EV Bidirectional Storage • Newer Battery Chemistries & Flow Batteries • Compressed Air Energy Storage • Pumped Storage Hydropower • Thermal Energy Storage
- Grid Efficiency • Grid Reliability • High Voltage Direct Current (HVDC) Systems • Offshore Wind Transmission • Systems Sited Along Rail & Highway Routes
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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
- Carbon transport and storage
- Point-source capture

### Generation

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

### Grid optimization

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

### Industry

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

### Materials

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

### Transportation

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

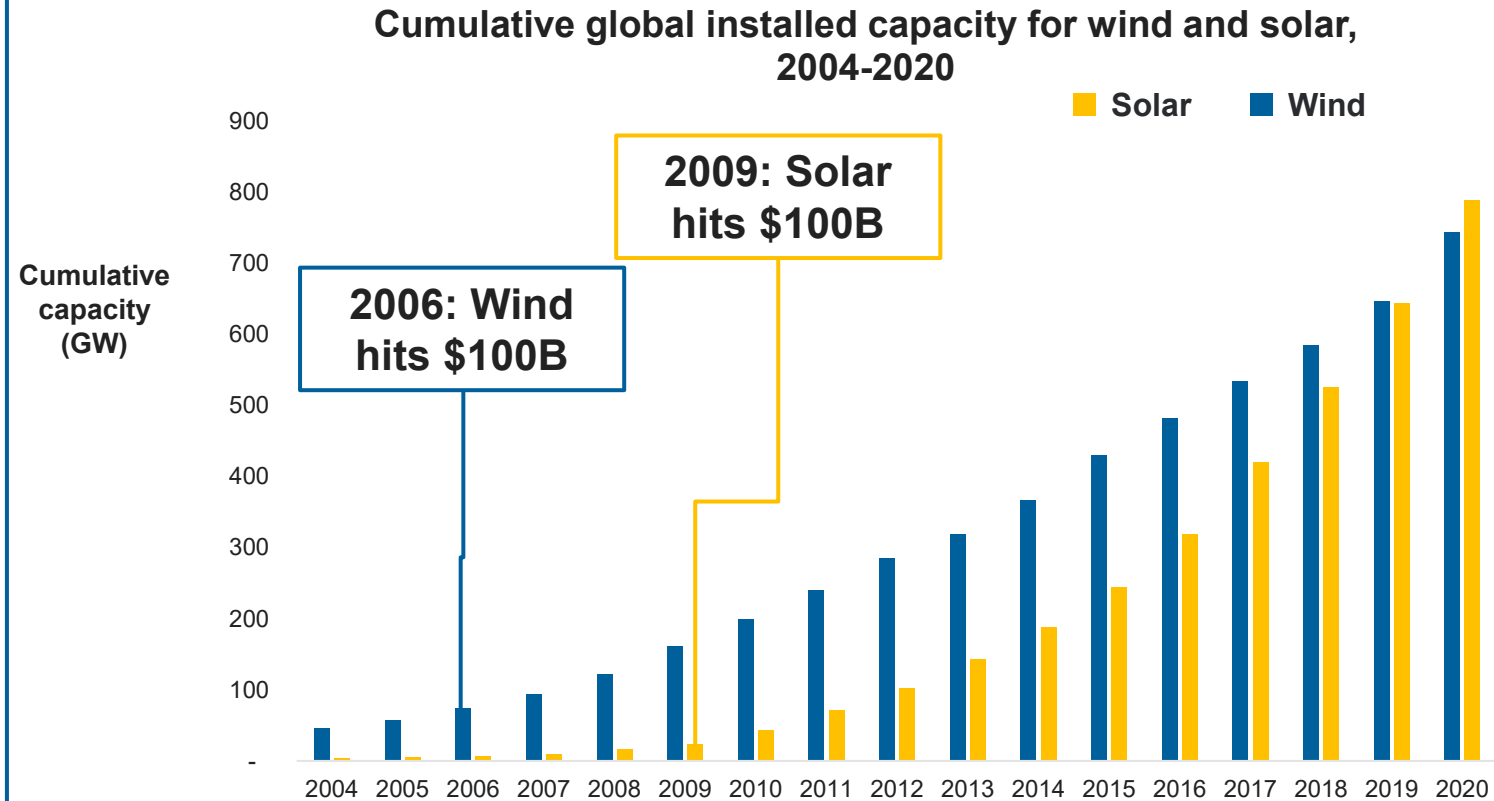
# Tipping point: \$100B in capital formation

## \$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**



# Long Term



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# **Hope you see a role or opportunity for your Tribe to Invest in Energy**

**Please contact us to discuss your vision, objectives, path and payback  
or return expectations**



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# 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** | **LPO@hq.doe.gov**



Learn more about LPO and all of its financing programs at: **Energy.gov/LPO**

**Energy.gov/LPO/TELGP**

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