

 <p><b>WIND POWER</b></p> <p>WIND POWER IS THE USE OF AIR FLOW THROUGH WIND TURBINES TO MECHANICALLY POWER GENERATORS FOR ELECTRICITY</p>	 <p><b>HYDRO POWER</b></p> <p>HYDROPOWER IS POWER DERIVED FROM THE ENERGY OF FALLING WATER OR FAST RUNNING WATER, WHICH MAY BE HARNESSSED FOR USEFUL PURPOSES</p>	 <p><b>GEO THERMAL ENERGY</b></p> <p>GEO THERMAL ENERGY IS THERMAL ENERGY GENERATED AND STORED IN THE EARTH. THERMAL ENERGY IS THE ENERGY THAT DETERMINES THE TEMPERATURE OF MATTER</p>	 <p><b>BIO FUEL</b></p> <p>A BIO FUEL IS A FUEL THAT IS PRODUCED THROUGH CONTEMPORARY BIOLOGICAL PROCESSES, SUCH AS AGRICULTURE AND ANAEROBIC DIGESTION, RATHER THAN A FUEL PRODUCED BY GEOLOGICAL PROCESSES</p>	 <p><b>SOLAR ENERGY</b></p> <p>SOLAR ENERGY IS RADIANT LIGHT AND HEAT FROM THE SUN THAT IS HARNESSSED USING A RANGE OF EVER-EVOLVING TECHNOLOGIES SUCH AS SOLAR HEATING, PHOTOVOLTAIC, SOLAR THERMAL ENERGY, SOLAR ARCHITECTURE AND ARTIFICIAL PHOTOSYNTHESIS</p>
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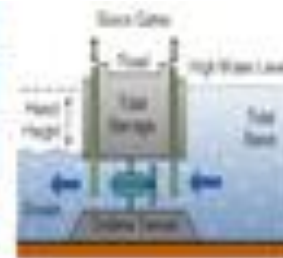
# **REAL** *(Renewable and Efficient ALternative)* **ENERGY FINANCING PROGRAM**

**20 Billion Fund Allocation**

# OBJECTIVES

- invigorate drive towards financing clean sources of energy as the Bank's support to the United Nation's Sustainable Development Goals, particularly on ensuring accessible clean energy and the need to take urgent action in addressing climate change and its impact
- further promote and encourage development of renewable energy resources and adoption of energy efficient technologies and solutions for a reliable, clean and sustainable power.
- provide financing to large power consumers to adopt energy efficient solutions that will translate to lower electricity consumption and generate savings on power cost

**LANDBANK**  
*Renewable  
Energy  
Program*



**TIDAL  
ENERGY**

**WIND  
ENERGY**



**BIOMAS  
ENERGY**



**SOLAR  
ENERGY**



**HYDRO-  
POWER**



# ELIGIBLE BORROWERS

- Sole Proprietorships
- Partnerships
- Corporations
- Cooperatives
- LGU/GOCC/GA

# ELIGIBLE PROJECTS

- RE Projects defined under RA 9513 or the Renewable Act of 2008:
  - Biomass
  - Geothermal
  - Solar Power
  - Hydro Power
  - Ocean/Tidal Energy
  - Wind
- Biofuel
- Other RE Projects such as but not limited to the following:
  - Hybrid Renewable Energy Systems like Hybrid Electric/Compressed Natural Gas (CNG)
  - Fabrication / Manufacturing of Renewable Energy Technologies, Equipment, and Components

# ELIGIBLE LOAN PURPOSE

- Project Preparation, e.g. Feasibility Study (FS), Detailed Engineering Design, Assessment Studies to support, securing permits, licenses, and approvals
- Working Capital
- Capital Expenditures (CapEx),

# LOAN FEATURES

Enabling Reference Document	Republic Act No. 9513 (Renewable Energy Act of 2008)
Credit Facilities	<ul style="list-style-type: none"><li>• Short Term Loan/Line</li><li>• Term loan</li><li>• Stand-by Letter of Credit</li></ul>
Financing Mix	<p>Borrower's Equity:</p> <ul style="list-style-type: none"><li>• For LGUs/ECs/GOCCs/GAs: 10%</li><li>• For Private Borrowers: 20%</li></ul>

# LOAN FEATURES

Interest Rate	<ul style="list-style-type: none"><li>• Internal Fund - Prevailing BVAL Reference rate plus spread but not lower than 5% per annum</li><li>• ODA/Special Fund – applicable project cost-sharing</li></ul>
Penalty	<p>Past due loans shall be subject to a penalty based on the unpaid principal and interest to start on the 31st day after due date up to the date of settlement, subject to existing policy amendment:</p> <ul style="list-style-type: none"><li>• For Cooperatives – 3% p.a.</li><li>• For other borrowers – 24% p.a.</li></ul>
Other Fees	<ul style="list-style-type: none"><li>• Current and latest Standard fees and charges required by LANDBANK shall apply</li></ul>



# LOAN FEATURES

<p>Loan Tenor</p>	<ul style="list-style-type: none"><li>• Short Term Loan/Line<ul style="list-style-type: none"><li>○ Available via maximum of 360-day Promissory Note (PN)</li></ul></li><li>• Term Loan<ul style="list-style-type: none"><li>○ <u>Permanent Working Capital / For Project Preparation</u>: Maximum of five (5) years inclusive of up to six (6) months grace period on principal</li><li>○ <u>Capital Expenditures</u>: Based on project cash flow up to a maximum of 15 years inclusive of up to three (3) years grace period on principal</li></ul></li><li>• Stand-by Letter of Credit<ul style="list-style-type: none"><li>○ Available based on standby LC terms and conditions up to a maximum of 360-day PN to coincide with the maturity of the line</li></ul></li></ul>
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# LOAN FEATURES

## Collateral

- Object of Financing
- Any or combination of the following:
  - Real Estate Mortgage
  - Chattel Mortgage
  - Assignment of Deposit with Hold-Out
  - Assignment of Receivables, Contracts and/or Insurances
  - Assignment of Internal Revenue Allotment, *in case of LGUs*
  - JSS of Principal Stockholders/Officers
  - Guarantee Cover
  - Other Securities acceptable to the Bank.
- Additional Credit/Security Enhancers may be required, such as:
  - Post Dated Checks
  - Pledge of Shares

# PRE-PROCESSING REQUIREMENTS

- Certificate of Accreditation with DOE (for manufacturers and suppliers)
- Certificate of Accreditation or Certificate of Fuel Additive Registration (CFAR), and Certificate of Registration with DOE (for Biofuel Producers and Distributors)
- Renewable Energy Service Contract
- Certificate of Registration issued by DOE
- Biomass Feedstock Supply Agreement
- Supply Contract or Lease Agreement (for feedstock as fuel)
- Proof of Application of Water Rights, if applicable
- For Project Preparation:
  - Pre-Feasibility Study
  - Work Plan with Milestones and Corresponding Disbursement Schedule
  - Brief write-up on the project and its proponents

# PRE-RELEASE REQUIREMENTS

- Certificate of Confirmation of Commerciality (CoCoC)
- Work Plan/Program as approved by DOE
- Water Rights Permit, if applicable
- ECC/CNC
- Engineering, Procurement, and Construction (EPC) Contract, and back-to-back warranty of individual components and overall warranty, if applicable
- Applicable insurance coverage
  - Natural catastrophes
  - Cyber incidents
  - Industrial All-risk
  - Pandemic outbreak
  - Renewable Energy Provider's/ Contractor's/ Developer's Performance Guarantee
- Certificate of Geohazard Identification Survey (GIS), if applicable
- Submission of Power Purchase Agreements and/or Bilateral Contracts.
- Grid Impact Study for RE projects that will be connected to the power grid

# POST RELEASE REQUIREMENTS

- Water Rights Permit
- Waste Water Discharge Permit, if applicable
- Confirmation of Electro Mechanical Completion
- Certificate of Compliance under Feed-in-Tariff System, if applicable
- RE Payment Agreement, if applicable



***LANDBANK***

***Go Green Inclusive  
Financing Program***

# ELIGIBLE BORROWERS

- LGUs
- Enterprises duly registered as either:
  - Single Proprietorship
  - Partnership
  - Corporation
  - Cooperative
- State Universities and Colleges, Local Universities and Colleges
- Private Universities and Colleges classified as SME
- Government Owned and Controlled Corporations

# ELIGIBLE PROJECTS

- Non-fossil energy sources for own use power generation:
  - Roof top solar energy systems,
  - Wind mills/turbine systems or hybrid energy generator,
  - Waste to energy conversion systems/equipment.
- Thermal Insulation and Heat Exchange Systems:
  - Roof/Walls heat Insulation and light reflective coatings/materials installation,
  - Installation of energy efficient air exhaust equipment, solar water heaters., etc.
- Installation or Adoption of energy efficient cooling systems /equipment,
  - Replacement to industrial high efficiency motors (HEMS),
  - Moving towards the use of inverter type air-conditioning systems
  - Automation of high energy-using equipment like escalators, blowers,
- Energy Efficient Lightings
- Rain collection or water recycling systems, green buildings, among others



# LOAN FEATURES

Eligible Loan Purpose	Acquisition/construction/installation of equipment, systems, appliances, building materials, structures that will result into efficient and cost effective use of energy/electricity that will translate into significant reduction in electric bills of the borrower.
Credit Facilities	Term loan
Financing Mix	Borrower's Equity: 10%

# LOAN FEATURES

Interest Rate	Prevailing BVAL Reference rate plus spread but not lower than 5% per annum
Penalty	<p>Past due loans shall be subject to a penalty based on the unpaid principal and interest to start on the 31st day after due date up to the date of settlement, subject to existing policy amendment:</p> <ul style="list-style-type: none"><li>• For Cooperatives – 3% p.a.</li><li>• For other borrowers – 24% p.a.</li></ul>
Other Fees	<ul style="list-style-type: none"><li>• Standard fees and charges apply</li></ul>

# LOAN FEATURES

Loan Tenor	Maximum period of 15 years based on cash flow or on the economic useful life of financed project, whichever is shorter
Collateral	<p><u>Collateral:</u> Any or combination of the following:</p> <ul style="list-style-type: none"><li>• Real Estate Mortgage (REM)</li><li>• Chattel Mortgage</li><li>• Other collaterals acceptable to the Bank</li></ul> <p><u>Credit Enhancers:</u> Any or combination of the following:</p> <ul style="list-style-type: none"><li>• Assignment of Receivables</li><li>• Assignment of claims on insurance/guarantee</li><li>• Post-dated check for principal and interest amortization</li><li>• JSS of principal stockholders/ officers</li></ul>

# DOCUMENTARY REQUIREMENTS

- Duly filled-up Loan Application Form plus Corporate/Business Registration Papers (if applicable)
- Personal Information on Borrowers / Shareholders
- Proposed Project Details
- Financial Projections / Cost Savings Projection
- Contracts/Agreements (i.e. Engineering, Procurement and Construction Contract Agreement)
- Monthly Cost Savings Computation as integral part of the Cost Savings Performance Guarantee / Insurance by the project supplier / contractor / installer.
- Valid certificates / permits / licenses /clearances from concerned government agencies
- Financial documents – Audited and BIR-stamped financial statements (FS) for the last 3 years for existing businesses /latest interim FS
- Monetary Board Opinion on borrowing for Government Entities
- Electric Billing Statements for the last 3 months

# DOCUMENTARY REQUIREMENTS

- Collateral Documents related to the financed project (i.e registration documents, vicinity map showing where the location of the offered collateral of the borrower is/are, etc.)
- Applicable insurance coverage on all or any of the following, as applicable:
  - Natural catastrophes
  - Cyber incidents
  - Industrial All-risk
  - Pandemic outbreak
  - Renewable Energy Provider's/ Contractor's/ Developer's Performance Guarantee
- Other documents as may be required by LANDBANK

***LANDBANK  
– PNOC RC  
Go Green  
Program***



**LANDBANK**



**PNOC**  
The Energy Company

**Renewables  
Corporation**

# ELIGIBLE BORROWERS

- LGUs that will enter into service contract agreement with PNOC RC for their capital expenditures involving energy-efficient and cost-saving solutions

# ELIGIBLE LOAN PURPOSE

- Acquisition/construction/installation of equipment, systems, appliances, building materials, structures that will result into efficient and cost effective use of energy/electricity that will translate into significant reduction in electric bills of the borrower.

# ELIGIBLE PROJECTS

- Non-fossil energy sources for own use power generation:
  - Roof top solar energy systems,
  - Wind mills/turbine systems or hybrid energy generator,
  - Waste to energy conversion systems/equipment.
- Thermal Insulation and Heat Exchange Systems:
  - Roof/Walls heat Insulation and light reflective coatings/materials installation,
  - Installation of energy efficient air exhaust equipment, solar water heaters., etc.
- Installation or Adoption of energy efficient cooling systems /equipment,
  - Replacement to industrial high efficiency motors (HEMS),
  - Moving towards the use of inverter type air-conditioning systems
  - Automation of high energy-using equipment like escalators, blowers,
- Energy Efficient Lightings
- Rain collection or water recycling systems, green buildings, among others



# LOAN FEATURES

Credit Facilities	Term loan
Financing Mix	Borrower's Equity: 10%
Interest Rate	Prevailing BVAL Reference rate plus spread but not lower than 5% per annum
Penalty	<p>Past due loans shall be subject to a penalty based on the unpaid principal and interest to start on the 31st day after due date up to the date of settlement, subject to existing policy amendment:</p> <ul style="list-style-type: none"><li>• For Cooperatives – 3% p.a.</li><li>• For other borrowers – 24% p.a.</li></ul>

# LOAN FEATURES

Other Fees	<ul style="list-style-type: none"><li>• Standard fees and charges apply</li></ul>
Loan Tenor	<ul style="list-style-type: none"><li>• Fifteen (15) years, or</li><li>• Remaining economic useful life of financed project, whichever is shorter</li></ul>
Collateral	<ul style="list-style-type: none"><li>• Internal Revenue Allotment (IRA) of the LGU</li><li>• Assignment of contractor's all risk insurance</li></ul>

# DOCUMENTARY REQUIREMENTS

- City/Municipal Ordinance regarding LGU authority to borrow
- Proposed Project Details
- Memorandum of Agreement/Contract between the LGU and PNOC RC
- Feasibility Study prepared by PNOC RC with Monthly Cost Savings Computation
- Bureau of Local Government and Finance (BLGF) Certificate of Net Borrowing Capacity
- Monetary Board Opinion (MBO)
- Other documents related to the financed project (vicinity map or location of the proposed project, supplier's warranty specifications and after sales services, permits and licenses, etc.)
- Applicable insurance coverage on all or any of the following, as applicable:
  - Natural catastrophes
  - Cyber incidents
  - Industrial All-risk
  - Pandemic outbreak
  - Renewable Energy Provider's/ Contractor's/ Developer's Performance Guarantee
- Other documents, permits and licenses as may be required by LANDBANK



# REAL ENERGY Financing Program

**Total Generation  
Capacity of Financed  
Projects: 742.073 MW**

Equivalent power consumption of  
556,000 to 742,000 households















***Mas pinadali na ang mga  
proseso at requirements para  
sa pag-aapply ng loan!***

# Visit the nearest LANDBANK Field Unit to inquire:

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