

First renewable energy tenders in the Republic of Moldova



THE MINISTRY OF ENERGY OF THE
REPUBLIC OF MOLDOVA





Moldova Energy Sector Data

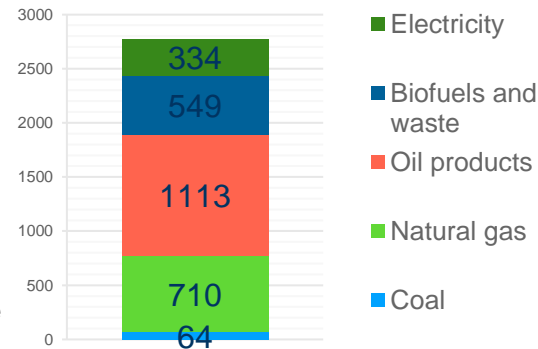
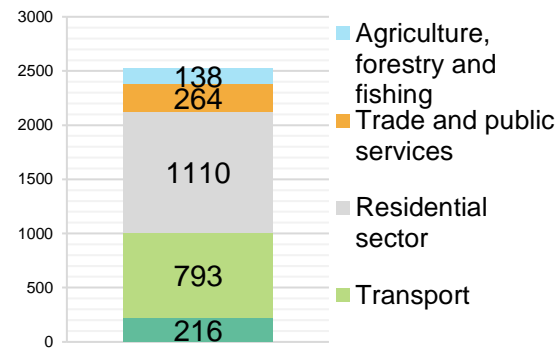
The dependence of the energy imports



Final energy Consumption
Total - 2 521 ktoe

Gross energy Consumption
Total – 2 770 ktoe

National energy demand, 2022





National Energy Climate Plan (NECP) – targets by 2030

01 Decarbonisation

Cut **68.6%** GHGs below 1990 or keep them below 9.1 MtCO₂e in 2030.

03

Energy Efficiency

To keep primary energy consumption below **3 000 ktoe** and final energy consumption below **2 800 ktoe**.

Overall RES share

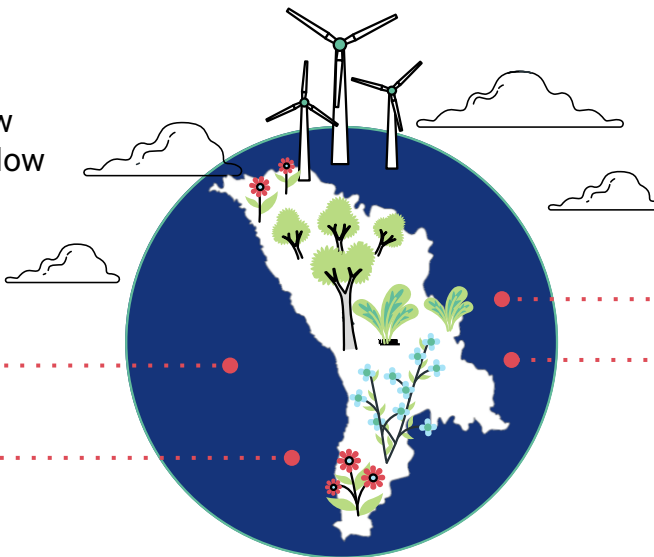
27% of final energy consumption to derive from renewable sources.

02

RES-E Share

30% of final electricity consumption to derive from renewable sources.

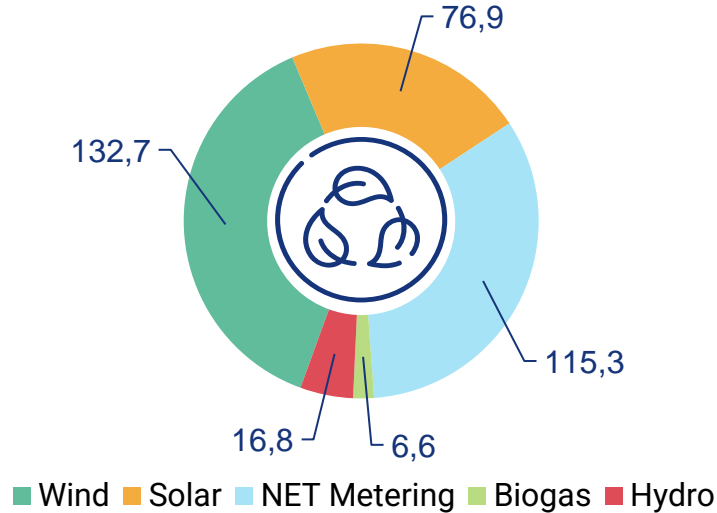
04



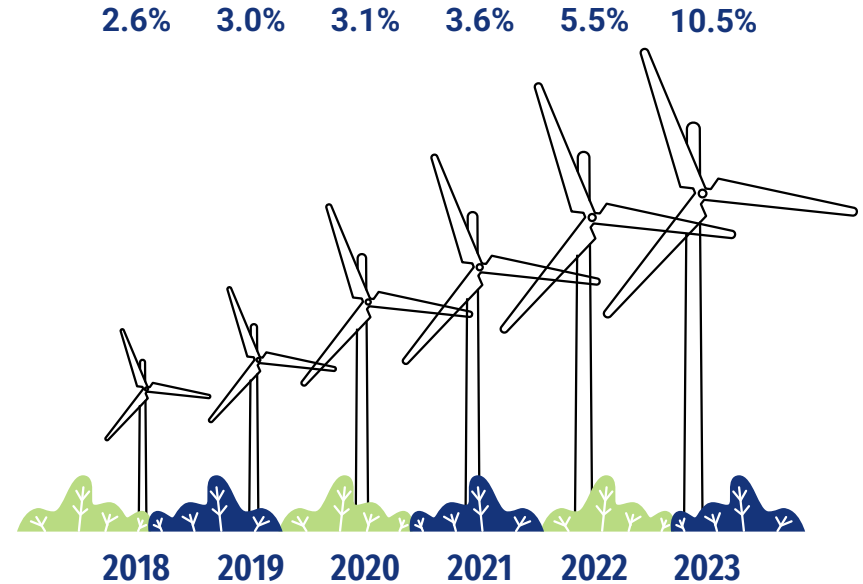


Electricity consumption from RES

Installed Capacity in 2023, in MW

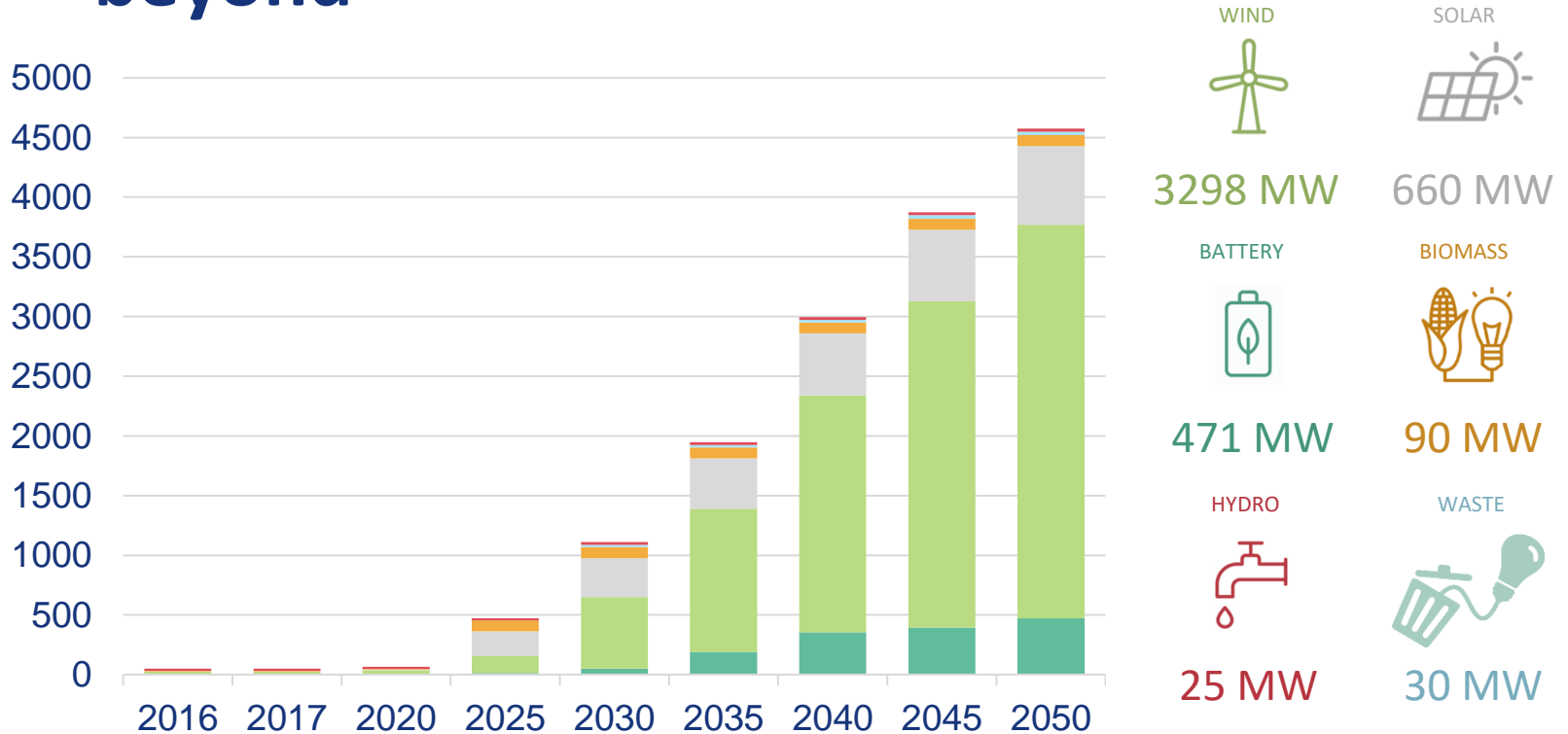


% RES in Total Electricity consumption





RES cumulative capacity horizon 2030 and beyond





RES integration and flexibility

1

The need to develop **balancing capacities of the system**: balancing of plants(BoP) and BESS.

2

Harnessing biogas can provide short- and long-term flexibility to contribute to balancing the power system.

3

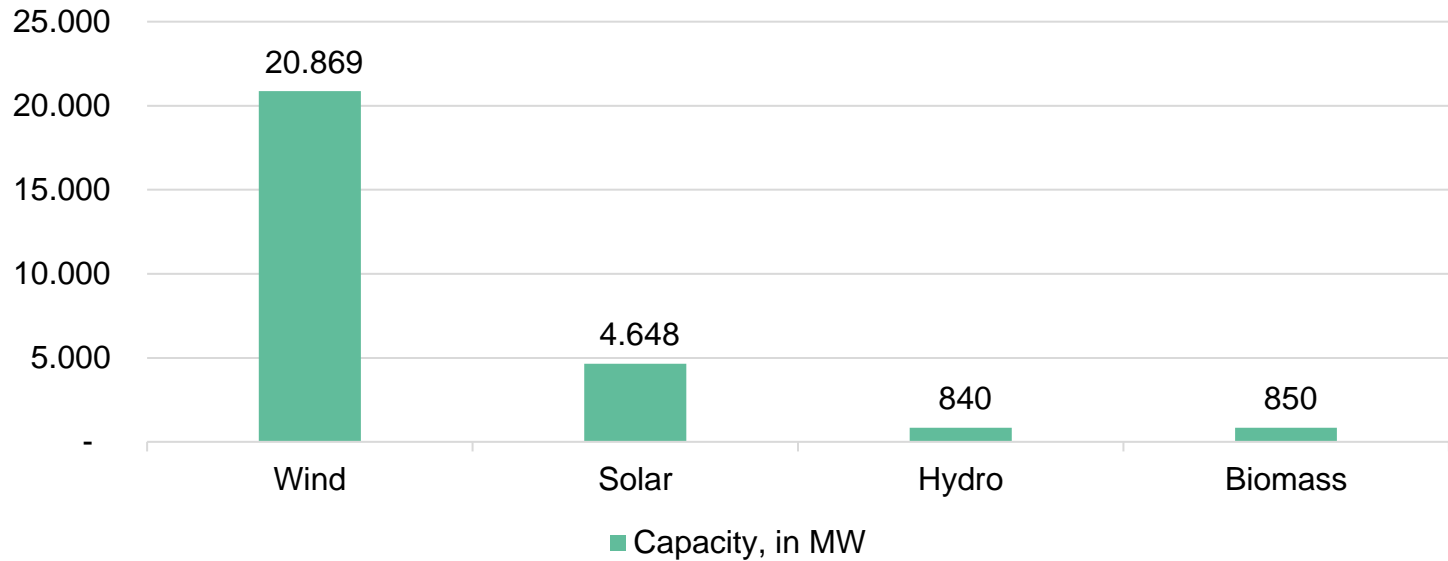
In the medium and long term, a further increase in GHG emission free storage capacity, either BESS or pumped storage hydropower plants, could enable greater RES integration.

!

Moldova needs about **240 MW** of frequency restoration reserve FRR to cover 99 percent of imbalances in 2025 and 2030.



RES potential for electricity (MW)





Electrical System Development Projects

01

Construction of a single-circuit 400 kV high voltage

Overhead power line in the direction **Vulcanesti-Chisinau**, with a length of about 158 km.
Deadline: 4Q 2025

02

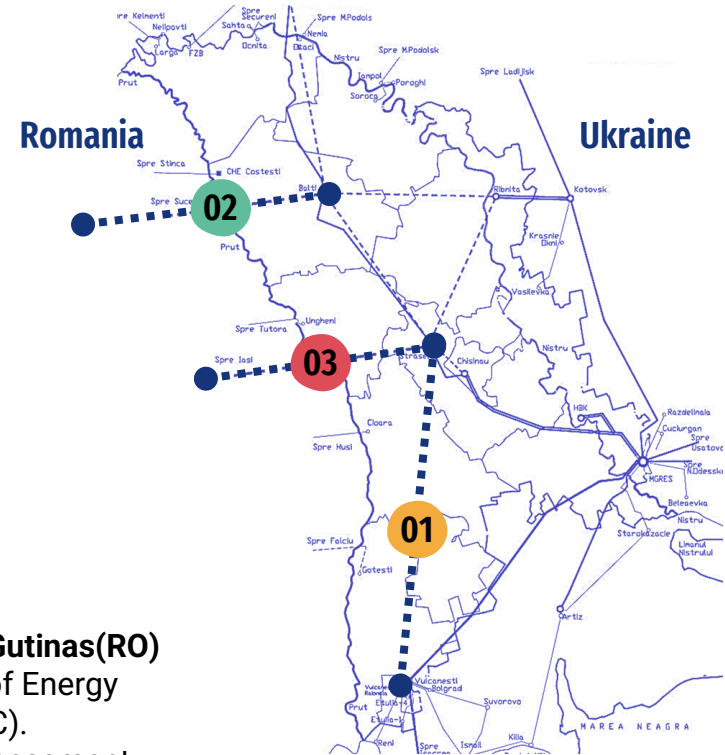
Construction of 400 kV overhead power line

Power line in the direction of **Balti (MD) – Suceava (RO)** with a length of 40km in Moldova. Including reconstruction of Balti 400kV power station
Deadline: 4Q 2027

03

Construction of the 400 kV overhead power line

Power interconnection line between **Straseni (MD) –Gutinas(RO)** with extension of Straseni station. In the framework of Energy Connectivity in Central and South-East Europe (CESEC).
Deadline: Feasibly Study and Environment Impact Assessment.





Liberalization of Energy Markets



Operators of Centralised
Markets



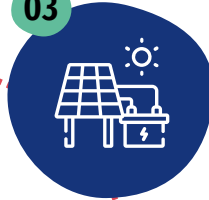
01 Day Ahead Market (DAM)

Purchase/sell electricity of the following day, for efficient price discovery.

01



03



Increased Liquidity

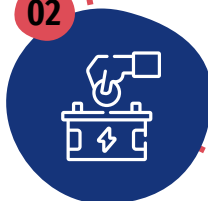
Increasing the liquidity of markets to EU comparable levels.

03

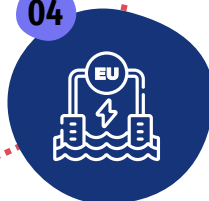
02 Intraday Market (IM)

Platform for trading electricity closer to real-time, enhancing flexibility in electricity system.

02



04



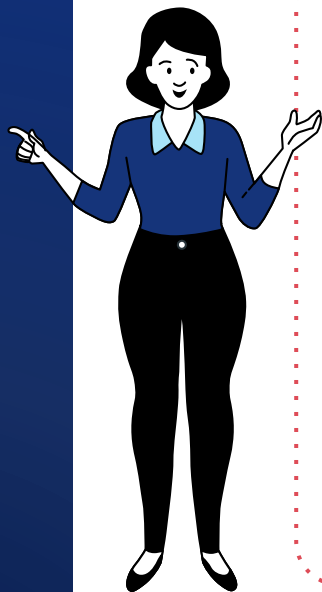
Coupling

Coupling the national DAM and IM with similar markets in Member States by 2025.

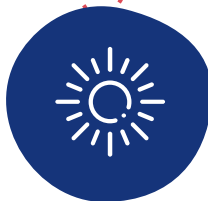
04



Opportunities / Issues with Integration & Flexibility



- Competitive support schemes for renewable energy.
- Operationalization of regulated electricity markets
- Simplification of procedures for RES projects.
- Promoting active consumers in regulated energy markets.
- Increasing system flexibility for renewable energy integration.
- Effective utilization of waste for energy production.



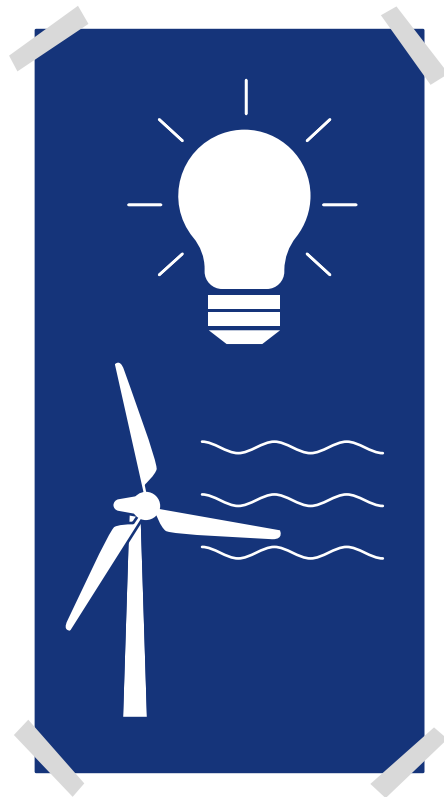
- Need to develop system balancing capacities: ICE and Battery Energy Storage System (BESS).
- Harnessing waste to energy & biogas can provide short and long-term flexibility to contribute to balancing the power system.
- In the medium and long term, a further increase in GHG emission-free storage capacity, be it BESS or possibly pumped storage hydropower plants, could enable greater RES integration.
- Energy sector integration into carbon taxation mechanisms.





RES capacities put out for Tender

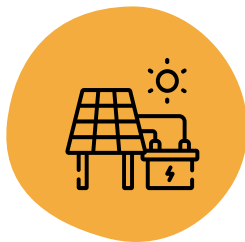
Production Technology	Max. Capacity	Capacity Limit	Ceiling Prices
Wind Power	105 MW	4 MW	77.88 EUR/MWh 1.5 MDL/kWh
Solar Power	60 MW	1 MW	86.7 EUR/MWh 1.67 MDL/kWh



Impact of the RES Tender on the national market



Solar

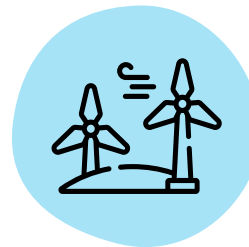


Capacity factor **15%**

Specific investment **~ 769 EUR/kW**

Contribution to RES-E **~ 1,8%**
share

Wind



Capacity factor **30%**

Specific investment **~1340
EUR/kW**

Contribution to RES-E **~ 6,13%**
share

Attract private investments ~190 MEUR

Create jobs ~400 full-time equivalent jobs during the construction phase; **~40 full-time equivalent jobs** for operation and maintenance.

Reduce CO2 emissions, ~1,368,000 m.t.

Increase the RES-E consumption to 18% after first year of operation



Support mechanism for awarded Solar & Wind Projects

Selected Bidders will sign a **15-year contract**, developed by ANRE:

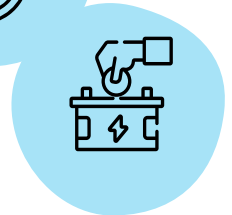
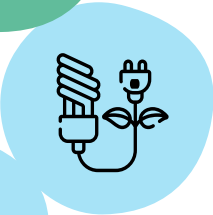
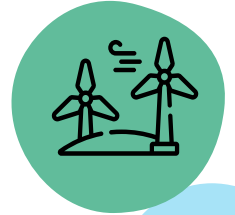
A Power Purchase Agreement (**PPA**), and once the conditions set out in art. 38(1) of the Renewable Energy Law are met a financially settled Contract for Differences (**CFD**)

PPA represents guaranteed purchase by the Support Counterparty of the Supported Output of the selected Solar Project/ Wind Facility at a fixed electricity price equal to its financial bid, for a term of 15 years from the commercial operation date

CFD represents guaranteed payment of a symmetric sliding premium against the market reference price for the Supported Output in accordance with the pre-set terms and conditions

Operational Power Plants can participate in tender if the equipment is not older than 36 months from the commissioning date of the power plant.

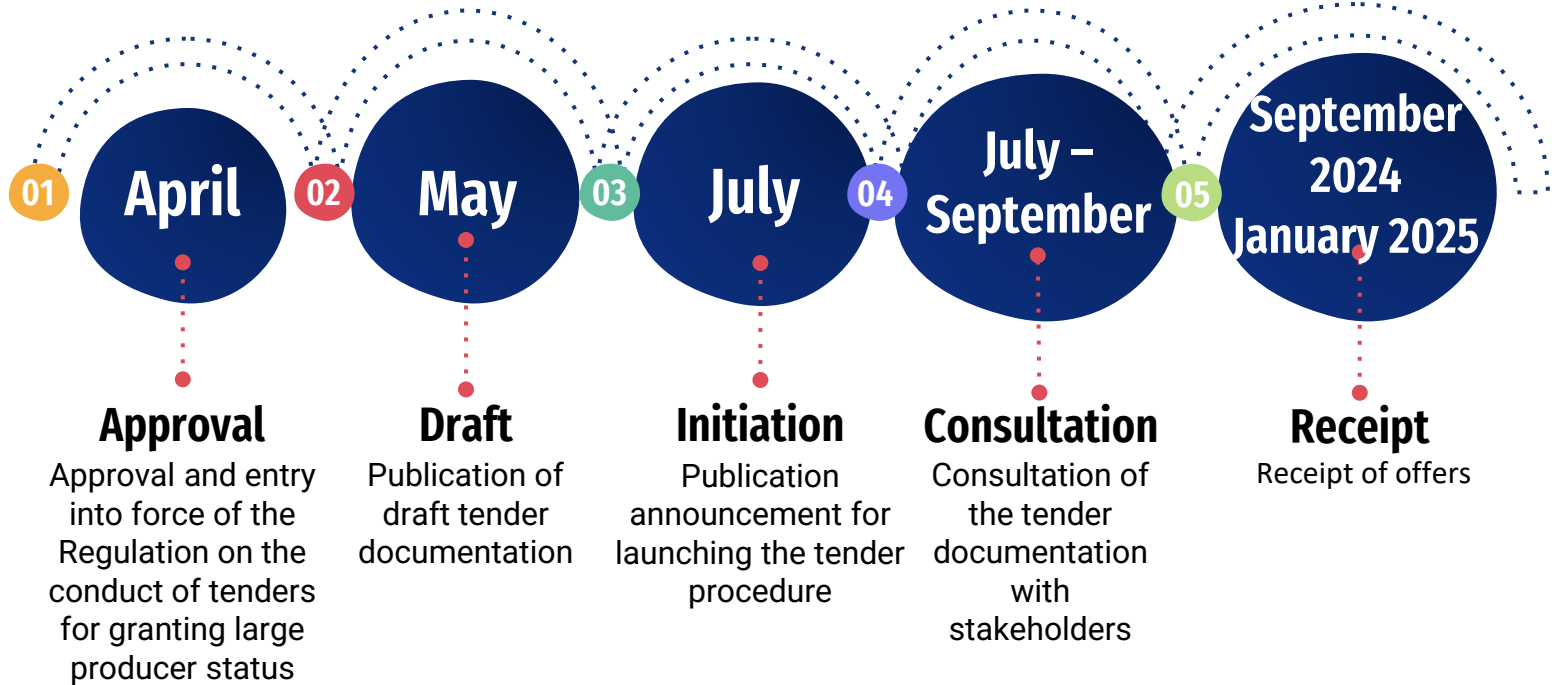
The PPA will be concluded for the remaining period from the initial 15 years from the commissioning date





Timetable for Tender Procedure

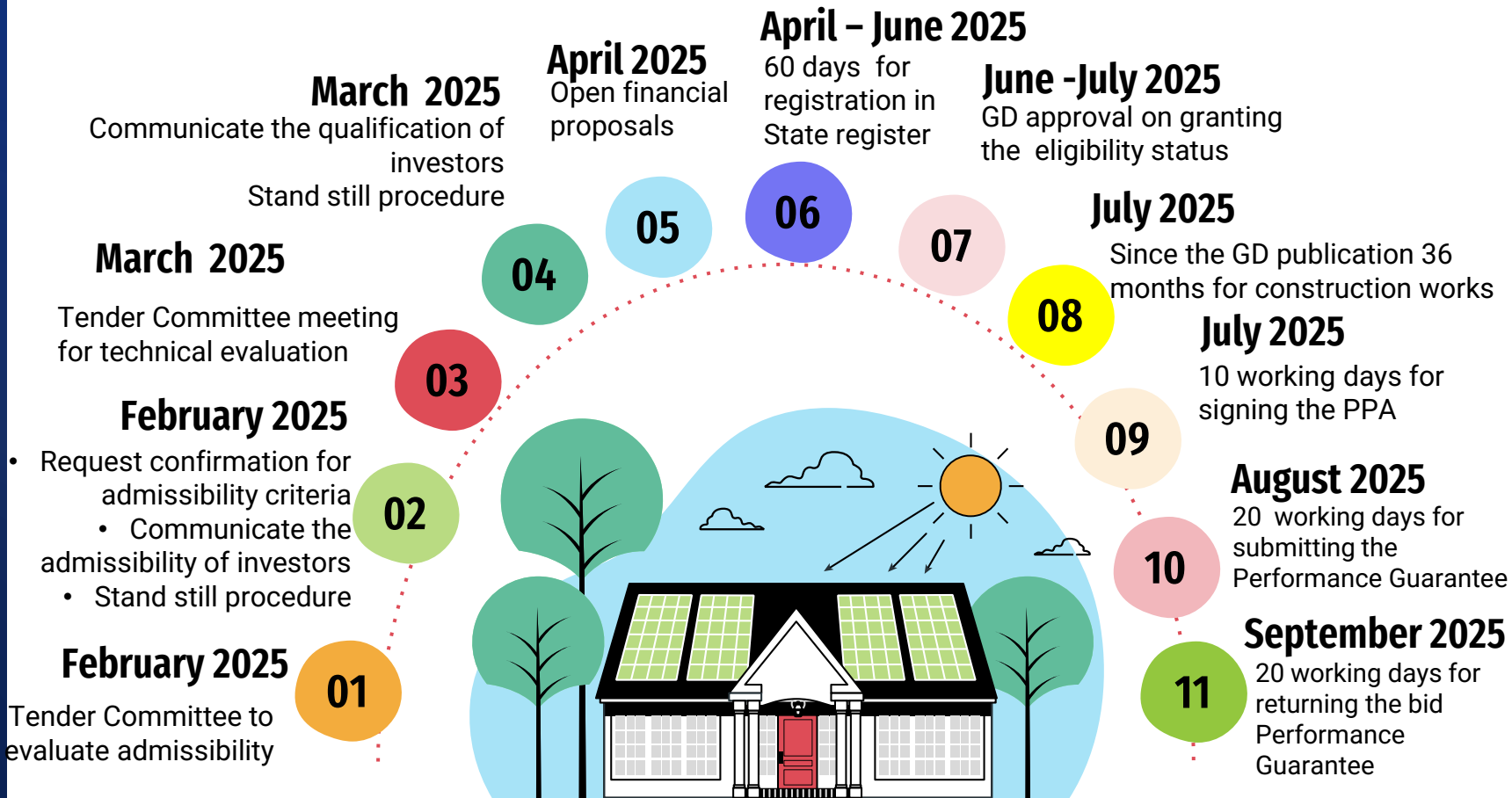
2024-2025



Tender Documentation



Tender procedure stages





Tender Documentation

The Announcement and Tender Documentation will be published in Official Gazette

Ministry of Energy webpage: <https://energie.gov.md/ro/licitatii-ser>

Social media: <https://facebook.com/MinisterulEnergieiRM>; Telegram

Requested at: wind.auctions@energie.gov.md or solar.auctions@energie.gov.md

Clarification of the Tender Documentation

Requested at wind.auctions@energie.gov.md or solar.auctions@energie.gov.md
In the form of an electronic document signed with an electronic signature

Amendments to Tender Documentation

No later than 5 Business Days before the first day of the Period for the Submission the Bids

No later than 20 working days before the expiry of the Period for Submission the Bids, only certain elements of the Tender Documentation, insofar as they have resulted from clarification requests from Investors and are found necessary to provide better clarity regarding the provisions of the Tender Documentation.





Investors

1. Individuals and companies Registered in the Republic of Moldova or in another state

2. A consortium

! The obligation to register in the Republic of Moldova, **within 60 days**, if was declared the winner of the auction



Tender Commission will evaluate the **identified conflict of interest**

An Investor may be considered to have a **conflict of interest** if:

- has a relationship involving a financial, economic or other personal interest with the members of the Tender Committee...
- controls, directly or indirectly, is controlled by or under common control with another Investor (considering that it has the same Beneficial Owner, the same persons designated as the Investor's Representative(s))
- it is in a legal or financial relationship of any kind with another Investor, which may put him in a position to influence the Investor's Bid





Bids submission

Language: English or Romanian

Submitted electronically to: wind.auctions@energie.gov.md or solar.auctions@energie.gov.md

In form of electronic documents signed with an electronic signature (Law on electronic identification services and trust services No. 124/2022)

The Bid = Official Accompanying Letter + 3 files:

- **The application**
 - **Technical Bid file**
 - **Financial Bid file**
- } separate password-protected files, using the 7-zip tool, whose name must contain:
- The investor's name
 - Type of offer [Technical or Financial]
 - Submission date of the offer [DD/MM/YY]



Strong passwords for the protection of the technical and financial offers will be provided to the Bidding Committee upon request, at the time of opening the respective technical and financial offers



Bids

The Electricity Price cannot exceed the Ceiling Prices approved by ANRE

Currency of the Financial Bid and payment

The currency in which the Bid is presented, and payments will be made is Moldovan leu (MDL)

Bid Validity Period

The Bid remains valid for 180 days after the Deadline for Submission of Bids

Bid Bond (1%)

The Investor will include in the application file a Bid Bond in amount of **258 MDL/kW (wind)** or **153 MDL/kW (solar)** of Tendered Capacity

The Bid Bond shall be an unconditional bank guarantee **issued in the address of the Government** by any recognised international bank or financial institution outside the Republic of Moldova which has a mandatory credit rating of at least **Baa3** or by a Moldovan bank

For **investors whose offers are not accepted**, the Tender Commission **automatically returns the bid security**.

For **investors who receive eligible producer status**, the Tender Commission **returns the bid security as soon as the investor submits the performance security, unless the investor is relying on a roadmap**.





Multiple bids and partial support

Multiple bids:

An Investor may submit multiple Bids for different Projects:

1. Each Bid is accompanied by a separate Bid Bond
2. Each Project has an installed/aggregate capacity greater than **1 MW** or **4 MW** and the total capacity for which the support measure is requested must not exceed **60 MW** or **105 MW** in total for the respective Investor

!!!The bid(s) with the lowest price will be considered as successful Bid(s)!!!

An Investor submitting bid(s) for several Projects shall take all necessary measures to avoid conflict of interest

In the event an Investor who has submitted two or more bid(s), including through its Project Companies, has withdrawn one of the Bid(s) after the Deadline for Submitting the Bids, the Investor and its Project Companies will lose the right to participate further with any of the bids

Partial support:

Investors can bid for a portion of a power plant's capacity. This allows eligible large producers to sell electricity from the remaining capacity under negotiated conditions, provided there is physical separation of generation capacities and separate metering of injected electricity into the grid at connection points





GD on granting of Eligible Producer status

Will contain:

- Approval of the tender procedure results
- Name of the Winning Investor
- Type of RES electricity generation technology
- Installed Power Plant(s) capacity for electricity generation from RES
- RES electricity generation capacity, for which large Eligible Producer status is provided
- Deadline for commissioning of the Power Plant(s)
- Fixed price at which that large Eligible Producer will sell electricity from RES
- Authorisation of the installation of Power Plant(s) with an installed power of more than 20 MW, in accordance with the Electricity law, where applicable



Republica Moldova

GUVERNUL

HOTĂRÂRE Nr. xx din xx xx 2025

**cu privire la oferirea
statutului de producător eligibil mare**



Obligations after granting the Eligible Producer status

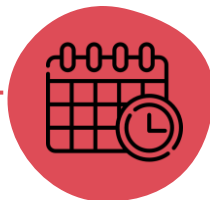
Submit a Performance Bond



within 30 days of the date of signature of the PPAs

1.293.000 MDL/MW (wind) or 765.000 MDL/MW (solar)

Progress Reports



quarterly

Reports to the Ministry of Energy on the fulfilment of the Roadmap

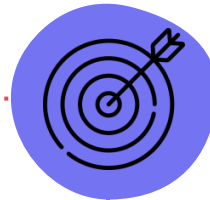
Construction and Commissioning



within 36 months from the Government Decision publication

Ensure compliance with tender procedure deadlines, criteria, and conditions

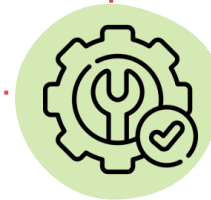
Committing to Installed Capacity obtained



permanently

Build Power Plant(s) according to installed capacity specified in the winning bid, maintaining eligibility status

Equipment Standards



during construction

Utilize new equipment meeting technical specifications and manufactured within 36 months prior to commissioning



Withdrawal of Eligible Producer Status

Eligible Producer status shall be withdrawn if :

Investor submitted false information in relation to the submitted Bid

The Investor waives the Eligible Producer status

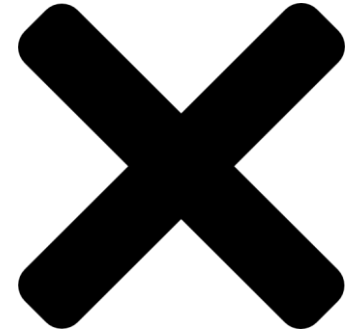
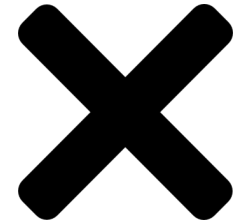
The Investor does not submit the Performance Bond

The Investor did not build and commission the Power Plant within 36 months of the provision of the Eligible Producer status or within the extended deadline established by the Government

The Investor has failed to fulfil the obligations

The decision on the cancellation of the state registration of the Eligible Producer concerned has been taken

The new owner of the Power Plant failed to fulfil the obligations



Admissibility and qualification criteria



Admissibility Criteria

Residency/Registration:

Properly registered in Moldova or jurisdiction of origin

Solvency:

Not insolvent

Operational Status:

Not in liquidation, under judicial administration...

Tax and Social Security Obligations:

Fulfilled all tax, duties, and social security contributions

Legal Compliance:

No criminal convictions for corrupt practices, money laundering, or offenses against security and public order

Not on the economic operators ban list

Sanction Compliance:

Not conducting business with countries under EU/UN sanctions or in non-cooperative tax jurisdictions

Investment Approval:

Pre-approval of planned investments by the **Council for the Promotion of Nationally Significant Investment Projects**

Beneficial Owners:

Identification and disclosure of beneficial owners

Technical Experience:

Experience in developing and operating power plants with an installed capacity of at least 4 MW (wind) or 1 MW (solar)



Pre-approval Request Requirements

Approval by Council for the Promotion of Nationally Significant Investment Projects (Law 174/2021 Regarding the Mechanism for Examining Investments of Importance to State Security)

The investors must submit:

- Details of shareholders/associates, including beneficial owner;
- Maximum Investment value expressed in monetary units;
- Main Activity description: Commercial products and services;
- Financial statements for the last 3 years;
- Source of funds for financing the investment;
- Planned or actual investment date;
- Criminal record for shareholders/associates or beneficial owners;
- Declaration of intent to carry out the investment individually or concertedly along with supporting documents confirming concerted action;
- The Council may also determine concerted action based on its evaluations;
- The Council reviews the request within 45 days from the date of receipt.



CONSILIUL PENTRU PROMOVAREA
PROIECTELOR INVESTIȚIONALE
DE IMPORTANȚĂ NAȚIONALĂ

The Secretariat of the Council is
provided by the Public Services
Agency

dims@asp.gov.md
tel.: +373 22 50 47 37



Technical Experience

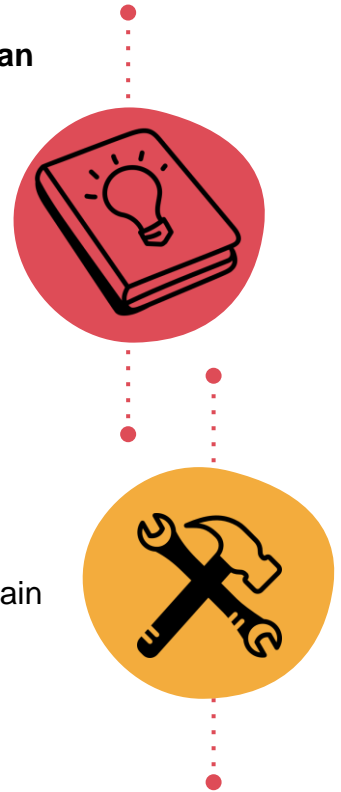
Experience in developing and operating wind or photovoltaic power plants with an installed capacity of at least 1 MW or 4 MW

Provide evidence of previous technical experience:

- List of developed renewable energy power plants;
- Valid commissioning certificates or similar documents.

For each power plant, submit:

- Operation and maintenance agreements, asset management agreements, or other relevant contracts showing the investor as the service provider or contractor;
- If the investor was the main contractor and outsourced O&M services, provide the main O&M contract with the project company.





Qualification criteria

Technical Capability

- Project description: location, main objectives, technical specifications,
- Commitment statement from the Investor on compliance with national standards and the Electricity Networks Code
- Commitment statement confirming all main equipment is newly manufactured and unused, produced less than 36 months before commissioning
- Construction schedule, including start and expected completion dates

For Existing Power Plants

- Certificate of conformity from ANRE
- Commitment statement on compliance with national standards and the Electrical Network Code
- Commitment statement confirming all main equipment is newly manufactured and unused, produced less than 36 months before commissioning





Qualification criteria

Land Eligibility for the Power Plant Location

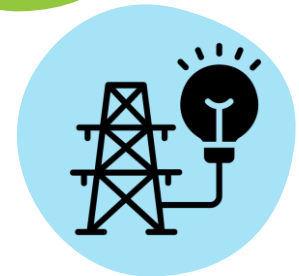
- Site and zoning plan, including connection installation location and access roads;
- List of land parcels for the Power Plant development and placement
- Copies of documents proving real right of possession of listed land parcels (ownership, superficies contracts, concession contracts, immovable register extracts)

Environmental Protection Requirements

- Permissive Act as per the Law on Environmental Impact Assessment No 86/2014

Connection Notice

- Valid Connection Notice from the system operator





Roadmap

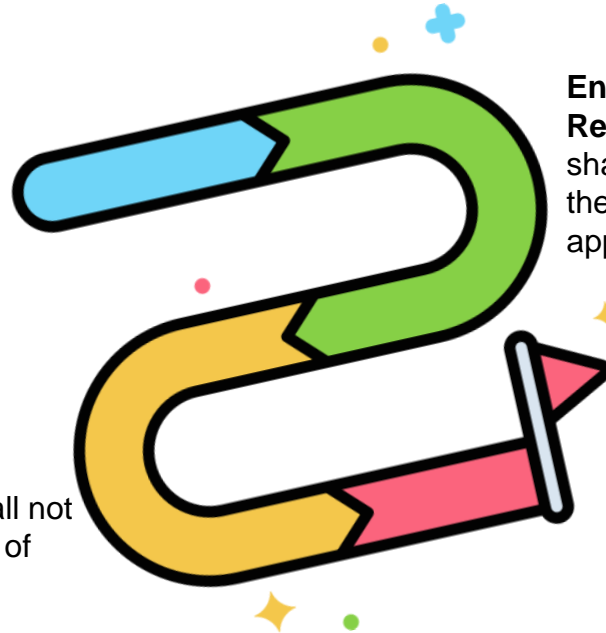
Investor undertakes to submit the Roadmap, committing to obtain, based on an action plan the necessary documents for the development and operation of the Power Plant

Land Eligibility for the Power Plant

Location - The time limit shall not exceed 24 months from the intended date of submission of applications and Bids

Connection Notice - The time limit shall not exceed 30 months from the intended date of submission of applications and tenders

Amendments to the RES Law set public service obligation for system operators to prioritize connection of winners



Environmental Protection

Requirements - The time limit shall not exceed 30 months from the intended date of submission of applications and Bids

Thank you!



MINISTERUL ENERGIEI
AL REPUBLICII MOLDOVA