



STATUS AND PLANS FOR EL SALVADOR'S ENERGY SECTOR

General Directorate of Energy, Hydrocarbons and Mines



Develop the Energy Policy, establishing short-, medium-, and long-term indicative strategies and plans for the development of the energy sector.

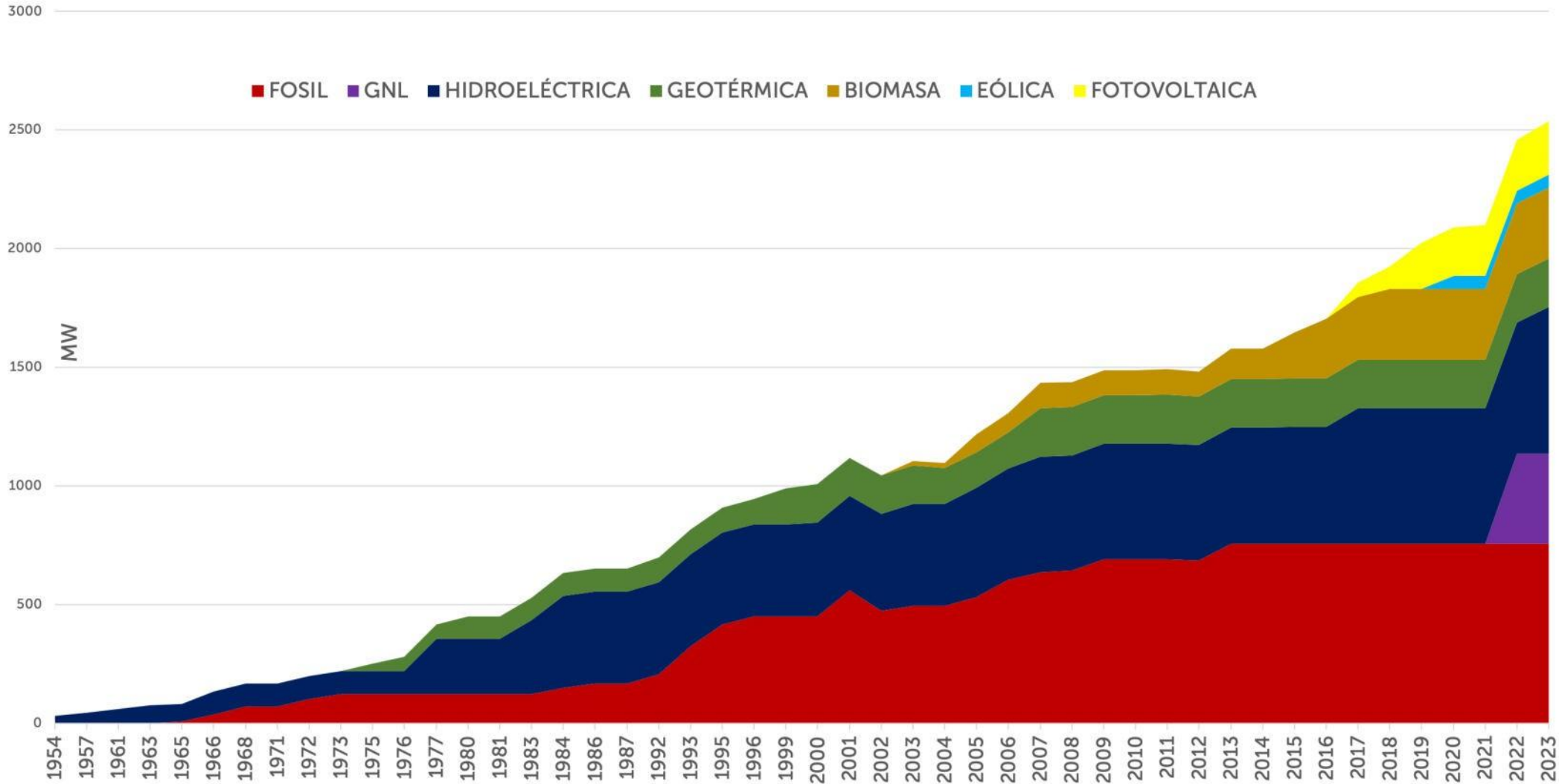


Formulate, adopt, lead, and coordinate policy regarding the generation, transmission, distribution, and commercialization of electric energy.

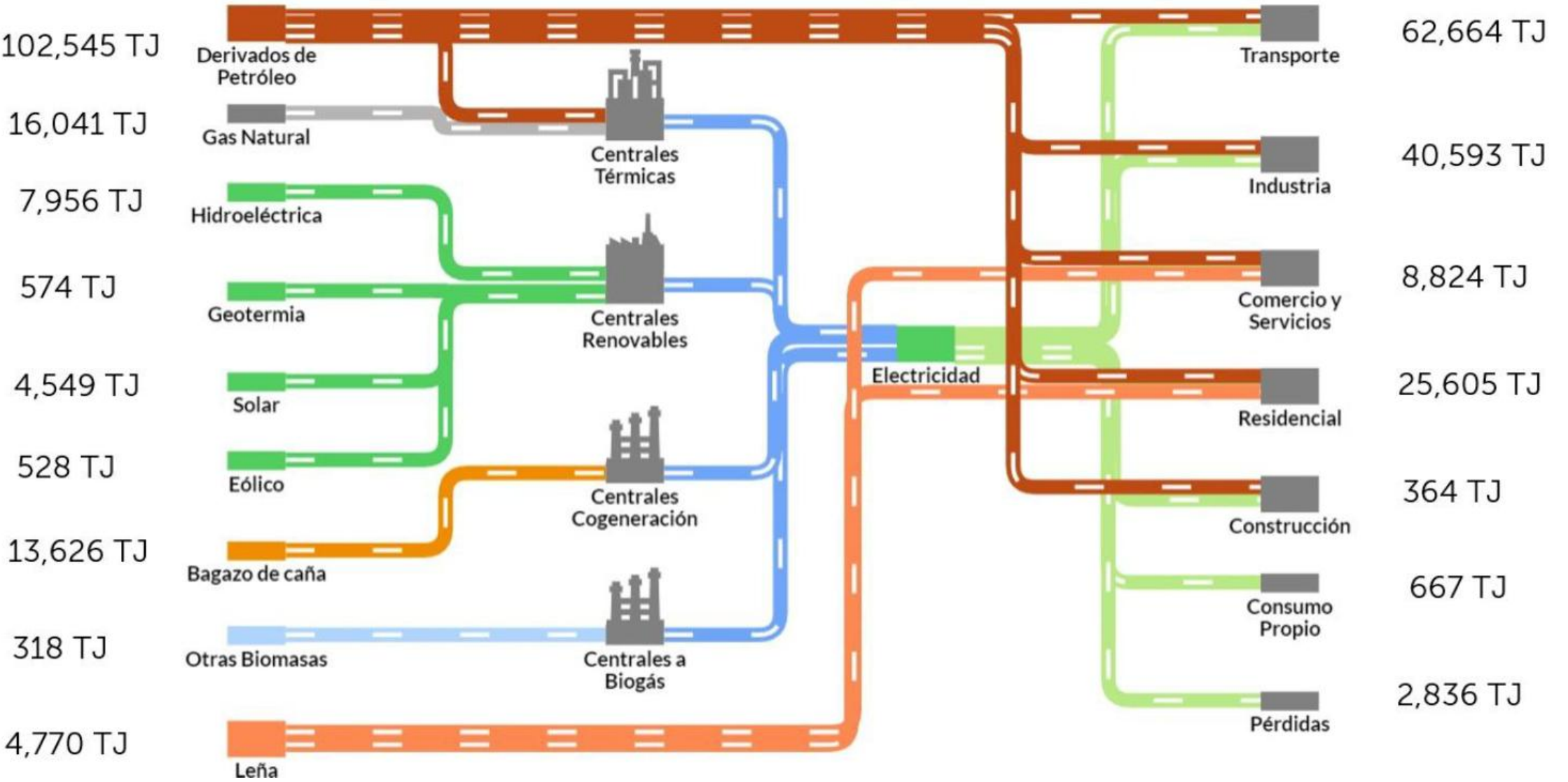


Prepare the National Energy Balance, which includes information on the structure and functioning of the country's energy subsectors

Evolution of installed capacity in the wholesale market 1954-2023

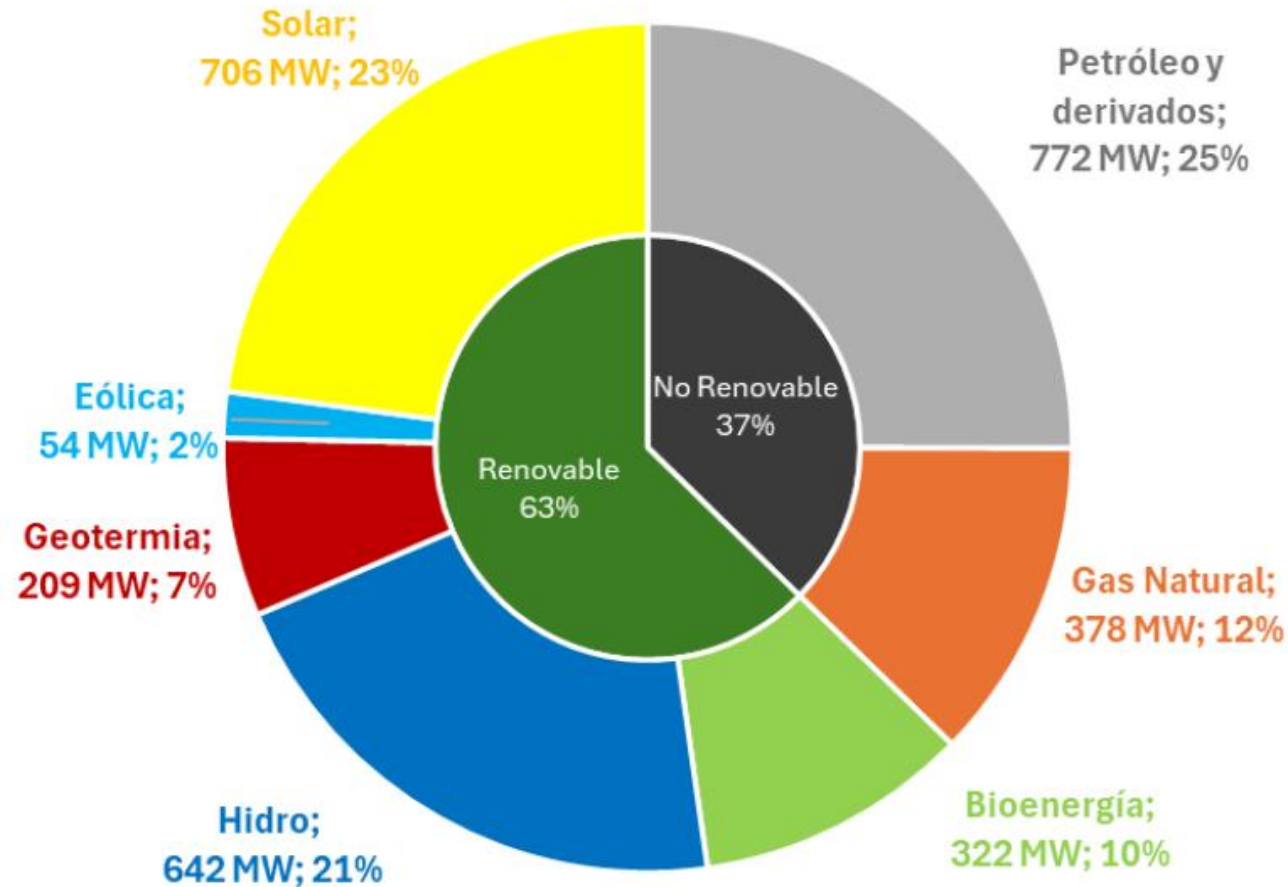


National Energy Balance 2024



Installed Capacity 2025

Installed capacity by source (monthly)

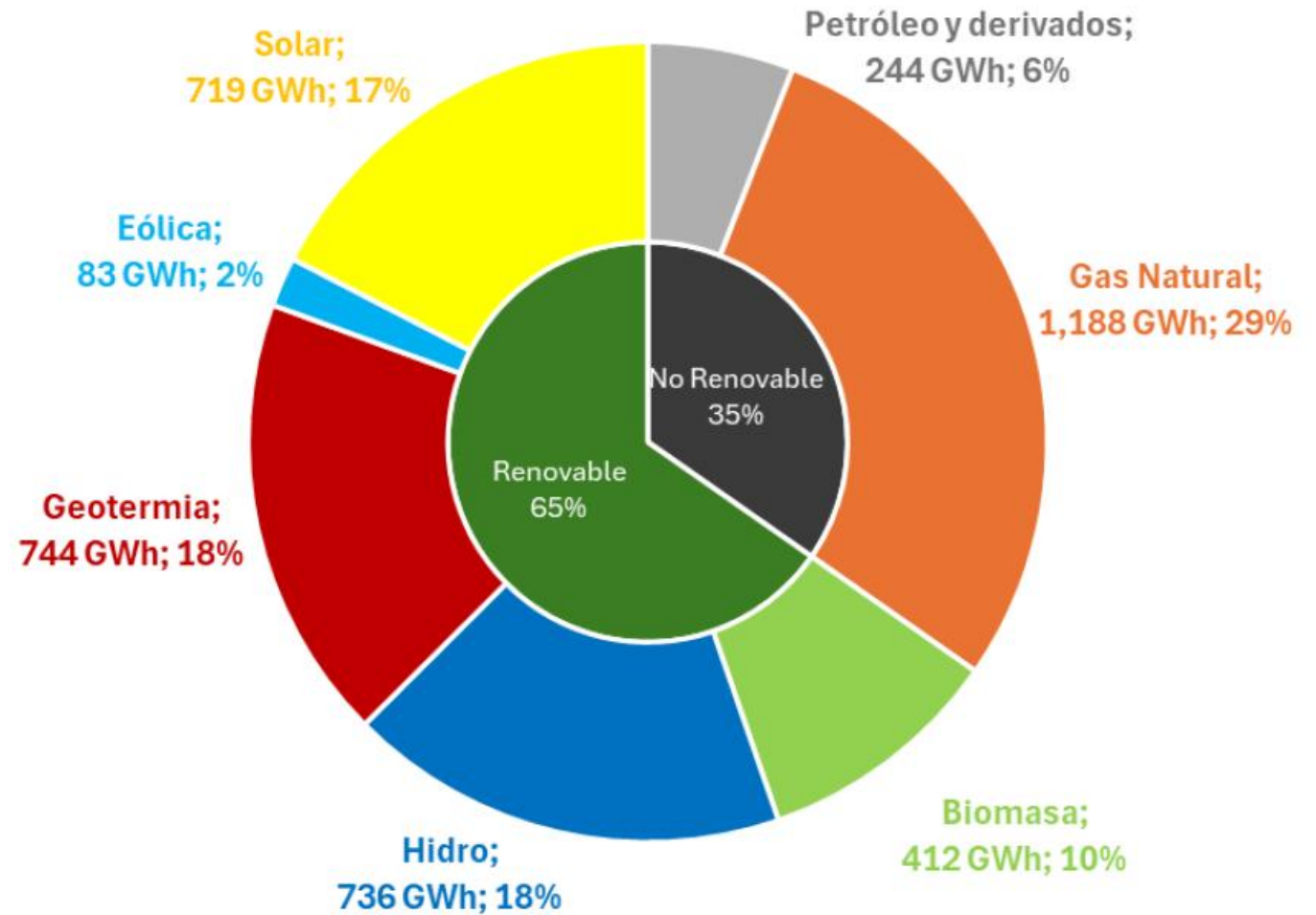


**Total Capacity june
2025:
3,082 MW**

Electricity Generation 2025

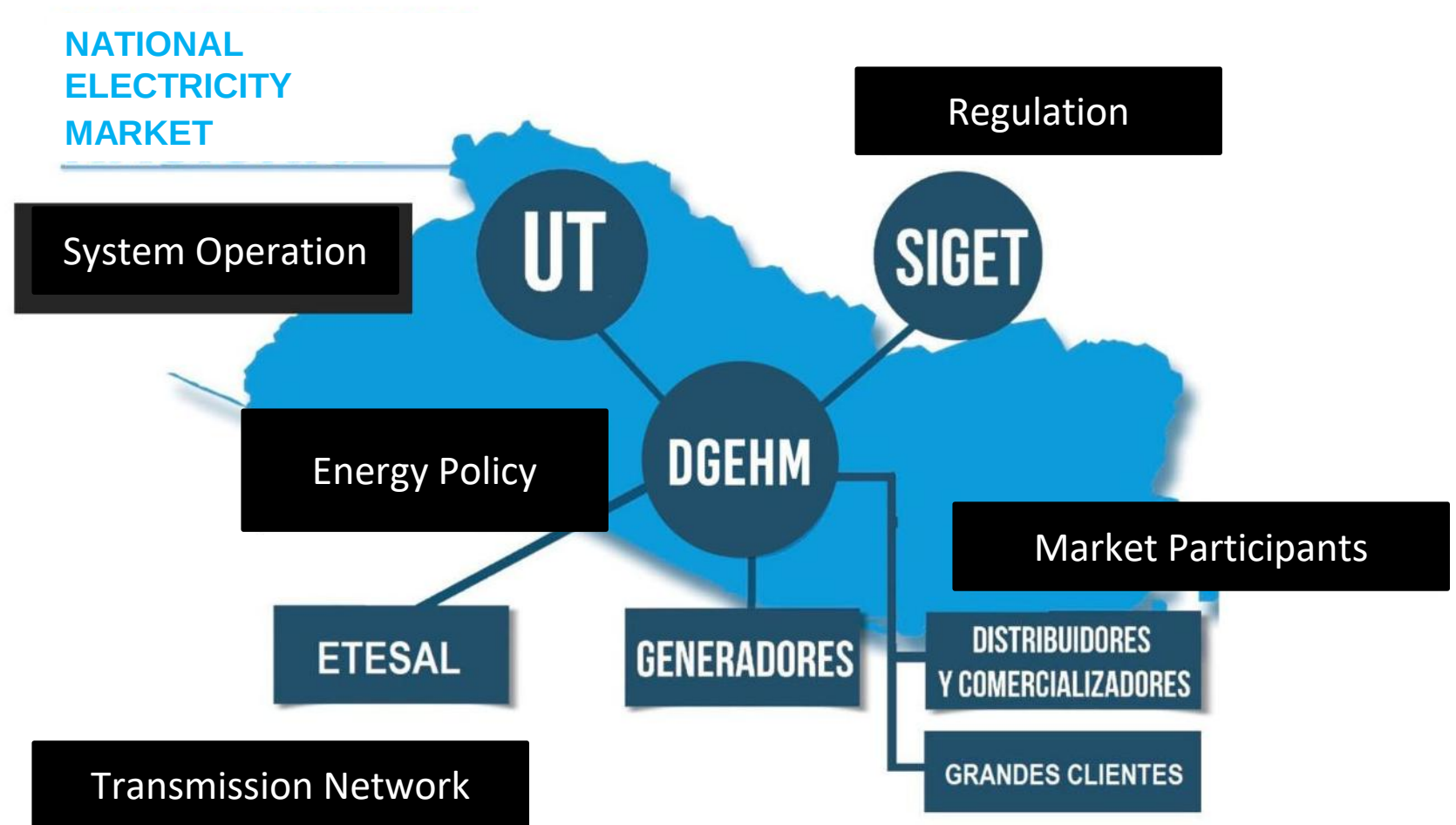
Monthly electricity generation by source

**Total Generation
I semester 2025:
4,124.41 GWh**



Structure of the Electricity Market

The Salvadoran Electricity Market is connected to the **Regional Electricity Market**, with direct interaction between both electricity markets.



National Energy Policy

Strategic Pillars and Objectives



Sustainable and Resilient Energy Supply

Contribute to the deployment of renewable energies and the optimization of the energy matrix, ensuring the resilience and sustainability of the energy supply.



Energy Sovereignty and Security

Promote the diversification of supply options beyond traditional sources, including those with future potential, to strengthen the country's energy sovereignty and security.



Energy Efficiency

Promote efficient energy consumption throughout the sector's value chain by encouraging specific policy and regulatory measures for each consumption subsector.



Affordability and Access to Quality Energy

Ensure universal access to quality energy and pursue competitive prices that promote economic and social development.



Modernization and Governance of the Energy Sector

Modernize the functioning of the energy sector and improve its governance through digitalization of information, intersectoral coordination, effective accountability, and active participation in regional integration.

Sustainable and Resilient Energy Supply

Generation Projects Under Execution



Generation projects under execution

Geothermal

- Berlin Binary Cycle 2 (6 MW)
- Bocapozo Chinameca (5 MW)
- Chinameca Phase 1 (20 MW)
- San Vicente Phase 1 (10 MW)

Solar

- 15 de Septiembre Solar (19.2 MWp)

Biomass – Hybrid:

- Biogas in the Acelhuate River (Total 5.6 MW: 1.7 MW Biogas; 3.3 MW Solar; 0.6 MW Mini-hydro)



Universal Energy Access Plan

Our objective is

That 100% of users nationwide have access to electricity service through the implementation of a Georeferenced Universal Energy Access Plan that ensures a sustainable electricity supply and maximizes the use of available renewable resources in the country.

The specific objectives are:

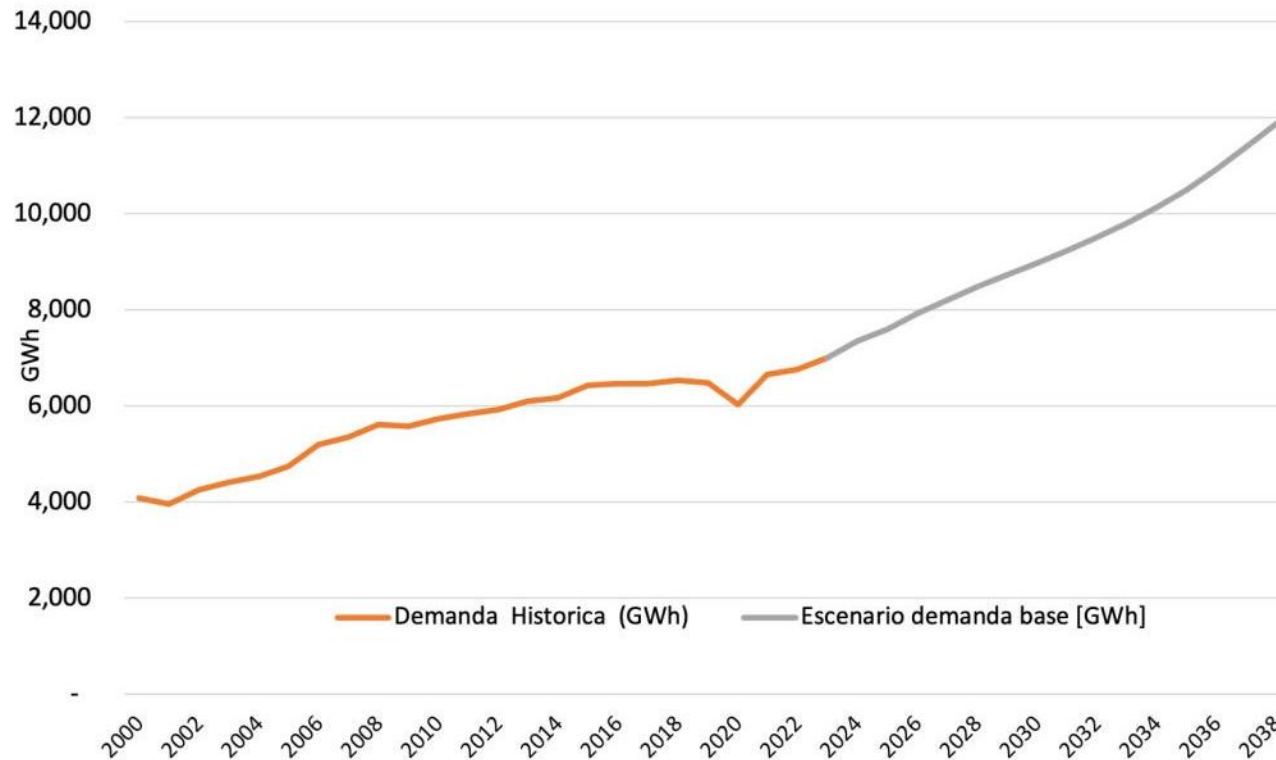
- **Expand** access to electricity for approximately 19,749 users, including households and schools, through three modes of electrification.
- **Strengthen** the institutional capacity for planning and management of the new entity responsible for supervising, operating, and maintaining new rural electrification projects.
- **Strengthen** the commitment of beneficiary communities of rural electrification projects and, at the general population level, promote the use of available renewable resources for electricity generation, as well as their efficient use.

Financing: 93 million



El Salvador's Energy Sector: Opportunities and Outlook

Projected Demand Growth [GWh]



It is projected that over the next 15 years, electricity demand will grow at a rate of **3.7%**.

The energy demand growth factors considered in the generation expansion plan are:

- GDP economic growth.
- Electric mobility.
- Electrification of demand.
- Growth in demand coverage.
- Energy efficiency programs.

Sustainable and Resilient Energy Supply

Future Generation Projects



**Geothermal
Energy**

Sustainable and Resilient Energy Supply



Future Generation Projects

Geothermal:

- Chinameca Fase 2 (30 MW)
- San Vicente Fase1 (20 MW)

Sustainable and Resilient Energy Supply

Future Generation Projects

**Wind
Energy**



Sustainable and Resilient Energy Supply



Future Generation Projects

Wind:

- Proyecto Eólico Metapán (60 MW)

Sustainable and Resilient Energy Supply

Future Generation Projects

**Floating
Solar Panel**



Sustainable and Resilient Energy Supply

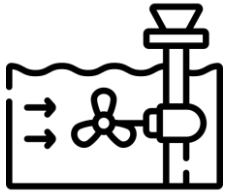


Future Generation Projects

Floating solar panel:

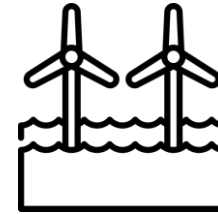
- Cerrón Grande
- 15 de Septiembre
- 3 de Febrero
- 5 de noviembre
- Guajoyo

Sustainable and Resilient Energy Supply Studies



Energies of the sea

- Potential has been identified.
- The most appropriate type of device at a technical and operational level, both waves and currents, will be selected in order to install prototypes.



Wind resource in the coast of El Salvador

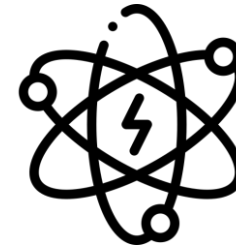
- Feasibility study in process.
- The study will focus on identifying and selecting the most suitable locations for offshore wind energy generation.

Energy Sovereignty and Security



Hydrocarbon Exploration and Production

- Potential Evaluation Stage
- Incorporation of Reserves
- Delimitation of the Deposit
- Infrastructure Installation, Production, and Decommissioning Stage



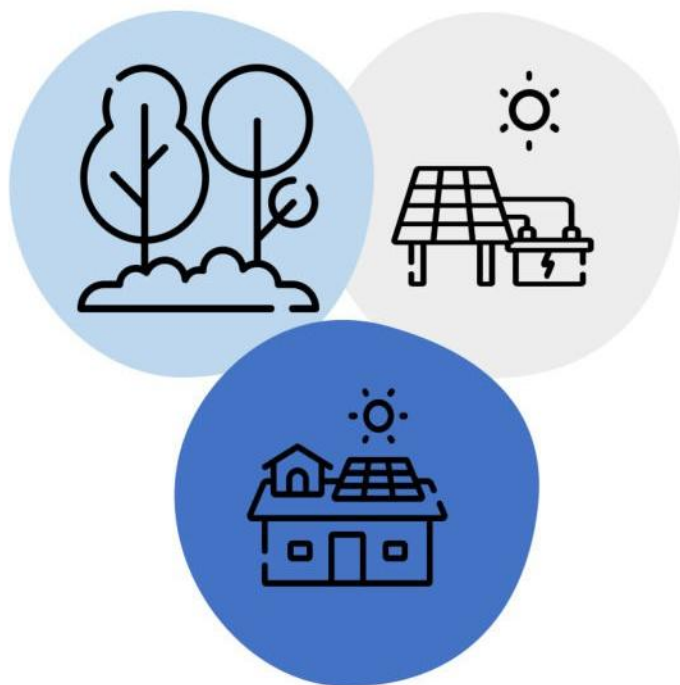
Introduction of Nuclear Energy

Phase 1 – Milestone: Ready to make an informed decision on the introduction of a Nuclear Power Plant.

Phase 2 – Milestone: Ready to initiate procedures to invite bidders for contracts for the First Nuclear Power Plant.

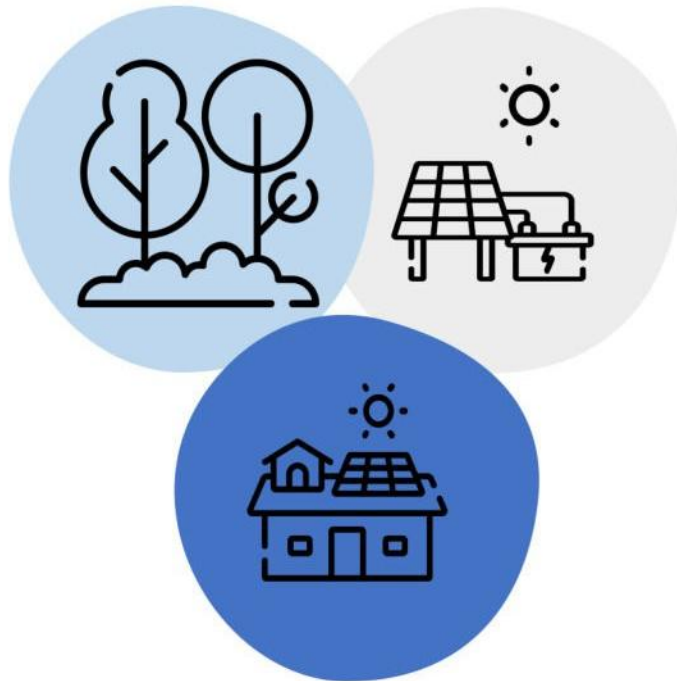
Phase 3 – Milestone: Commissioning and Operation of the First Nuclear Power Plant.

Challenges and Opportunities in the Energy Sector



- **Ensure universal access to energy** for all people, especially in rural and remote areas.
- **Promote the development of renewable energy and energy efficiency technologies**, such as storage systems and sustainable mobility, to improve competitiveness and reduce electricity tariff costs.
- **Increase the share of renewable energies in the energy matrix** until reaching **100% clean and environmentally friendly generation**.
- **Accelerate the use of natural gas** as a transitional fuel.
- **Introduce nuclear energy** into the national energy mix.

Challenges and Opportunities in the Energy Sector



- **Maintain and strengthen regional energy integration**, eliminating technical and regulatory barriers that limit regional energy transactions, consolidating the institutional framework of the Regional Electricity Market.
- **Support the development of the Third Protocol** of the Framework Treaty of the Regional Electricity Market.
- **Adapt regulatory frameworks** to ensure they align with current realities and technological evolution, guaranteeing regulation and monitoring mechanisms to achieve the objectives of the energy policy and strategies across the different productive sectors.
- **Promote education and awareness** on the responsible and sustainable use of energy.
- **Improve energy efficiency** in the industrial, commercial, and residential sectors.



THANK YOU



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