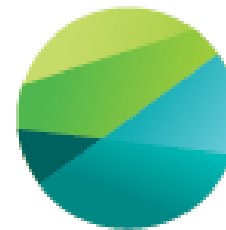




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REPUBLIC OF ARMENIA
**MINISTRY OF
ENVIRONMENT**



Case Study – ARMENIA

Program on Energy Savings and Renewable Energy for 2022-2030

UNFCCC COP-27 side event

Long-term low emissions development strategies in the EU Eastern Partnership region

12 November 2022

Goals, Objectives, Targets

The Program

- **Based on** the provisions of the Strategic Program for the Development of the Energy Sector of the Republic of Armenia (until 2040)
- **Defines** the directions, goals, and targets of the policies pursued in energy-saving and renewable energy sectors for 2022-2030, determining the main actions and measures to ensure the set targets.
- **Aims at** improving energy efficiency, promoting energy savings, increasing the use of renewable energy sources
- Will be implemented through **Action Plan for 2022-2024**; Action Plan for 2025-2027; Action Plan for 2028-2030

Main Targets

- ***Total Primary Energy Supply (TPES)***
- ***Total Final Energy Consumption (TFEC)***

Targeting by Area

- ***RE Development (15% share of solar energy in total energy generation by 2030)***
- ***Energy Savings (for TPES and TFEC) 19.5% to baseline in 2030)***

Implementation of the Program

Energy efficiency and energy saving

- The energy-saving and energy efficiency improvement policy will be aimed at increasing the level of "electrification" (replacing gas with electric energy) in the economy (in particular, in the residential buildings sector).
- Measures for the operation of battery energy storage systems,
- Changes in customs regulations, promoting the use of electricity-powered equipment,
- Direct state support projects.

Renewable energy sector

- Increased electricity generation using modern renewable energy sources (solar, wind, geothermal).
- Establishing basis for development and installment of battery energy storage systems:
 - Concept Note/Business Models
 - Tariff Regulations
 - Installment of battery energy storage systems of 300 MW (1200 MWh) capacity during projected period

Low carbon development context

- Increased use of renewable energy will improve the share of **low-carbon energy in electricity generation** to meet the domestic demand: **75% in 2030 compared to 72% in 2019**
- **Low-carbon energy share in the total electricity generation** structure will be decreased given the assumption on exported natural gas-based electricity volume growth: **51% in 2030 compared to 60% in 2019**
- To meet the domestic demand **greenhouse gas emissions from energy production will be reduced** at an incomparably higher rate -by **more than 60% by 2030 compared to 1990**.
- **By 2030, total GHG emissions in the energy sector will be reduced by 50% compared to 1990.**