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EU4ENERGY PHASE II

Status quo of DSO new roles implementation and regulations in Georgia

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Legal Framework

- Law of Georgia on Energy and Water Supply
- Network Rules approved by GNERC Resolution №10 of April 17, 2014
- Electricity Distribution Network Rules approved by GNERC Resolution №19 of June 28, 2021
- Investment Appraisal Rule approved by GNERC Resolution №36 of July 29, 2021

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ENERGO-PRO GEORGIA JSC

ENERGO-PRO

JSC "ENERGO-PRO Georgia" is one of the largest energy companies in the Transcaucasus region in terms of customer base and service area.

The company distributes electricity and maintains its low-, medium-, and high-voltage networks. It is organized into five branches - East Georgia Central Branch, South Georgia Branch, West Georgia Central Branch, West Georgia Regional Branch, and Kakheti Branch - serving more than **1,350,000** customers across Georgia.

As one of the country's largest employers, JSC "ENERGO-PRO Georgia" provides jobs for approximately **5,300** professionals, fostering employment opportunities and economic growth in the regions.

For years, the company has ranked among the top ten businesses making the most direct foreign investments in Georgia.

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ENERGO-PRO IN GEORGIA

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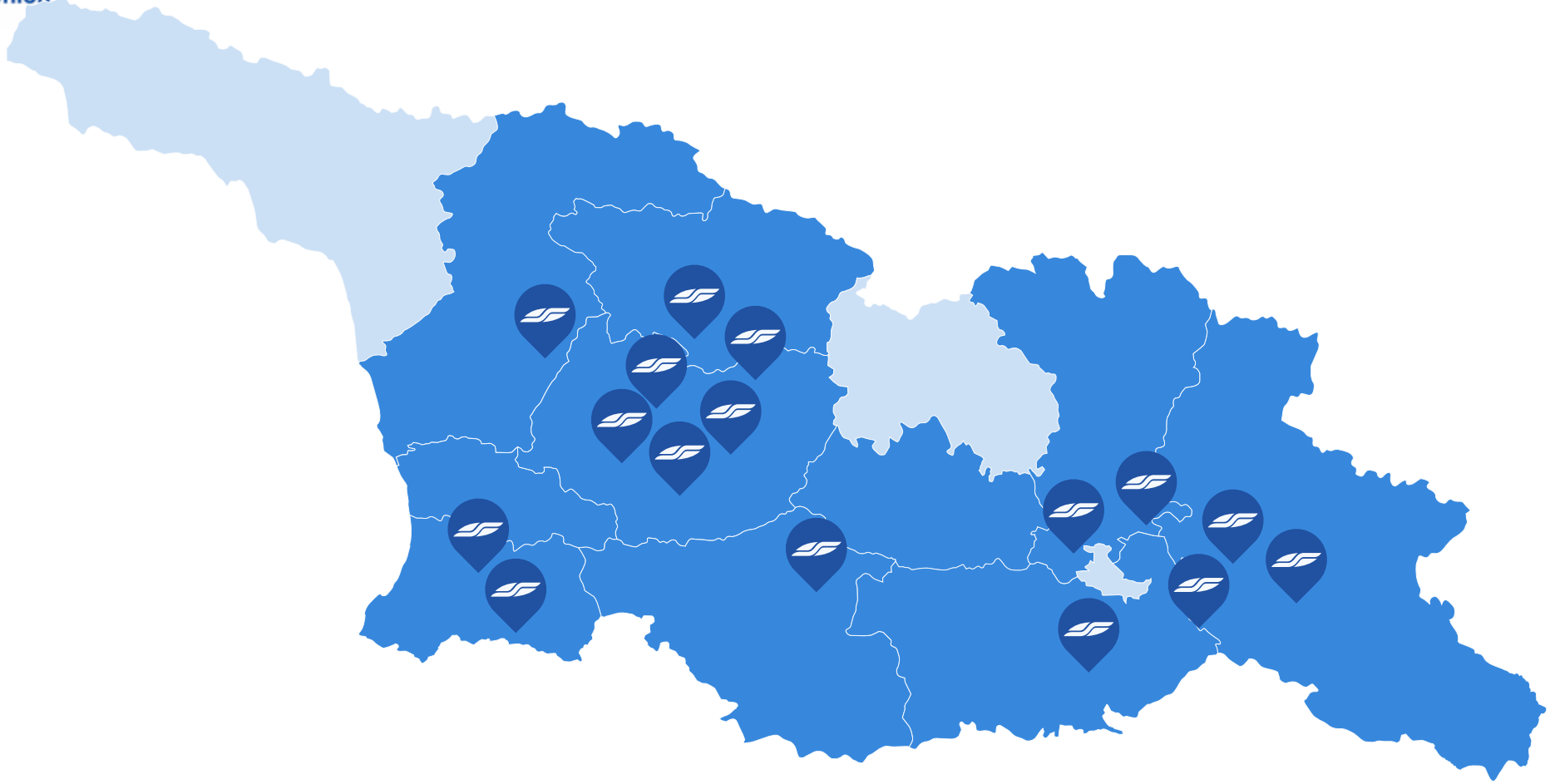

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Distribution network planning

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The system operator annually prepares and submits to GNERC for approval a five-year development plan and an investment plan for the distribution network, covering the following five calendar years. This process also includes **conducting all necessary studies and assessments**, as well as **coordination and agreement with transmission system operator**.

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Distribution network planning

ENERGO-PRO

The development plan is guided by the following key criteria:

- ✓Improvement of safety norms and reliability standards.
- ✓Improvement of service quality (continuity of supply, quality of electricity).
- ✓Reduction of losses in the distribution network.
- ✓Integration of renewable energy sources into the distribution network.
- ✓Measures to be implemented based on strategic plans.
- ✓Improvement of environmental conditions.
- ✓Development of automatically managed electricity distribution networks (SCADA systems) and smart metering technologies.

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NET-Metering

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An end user, or group of end users, who owns a micro-generating power plant is entitled to connect the facility to the electricity distribution network and supply surplus electricity to the grid, in accordance with the conditions set forth in the electricity distribution network rules.

To ensure the reliability and stable operation of the electricity system, the total capacity of all micro-generating power plants connected to the distribution network must not exceed a maximum threshold determined by the Commission. This limit is established by the Commission in consultation with system operators.

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NET-Metering

Net metering is a mechanism that enables the offsetting of electricity consumed from the grid with excess electricity generated by a micro-generator. Through reverse metering, the electricity fed into the grid and the electricity drawn from it are measured separately, allowing the generated and consumed electricity to balance each other.

A micro-generating power plant is a renewable energy-based electricity production facility owned by an end user or a group of end users. It is connected to the electricity distribution network either through the user's internal electrical system or directly to the distribution network. The installed capacity of such a facility must not exceed 500 kilowatts.

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NET-Metering

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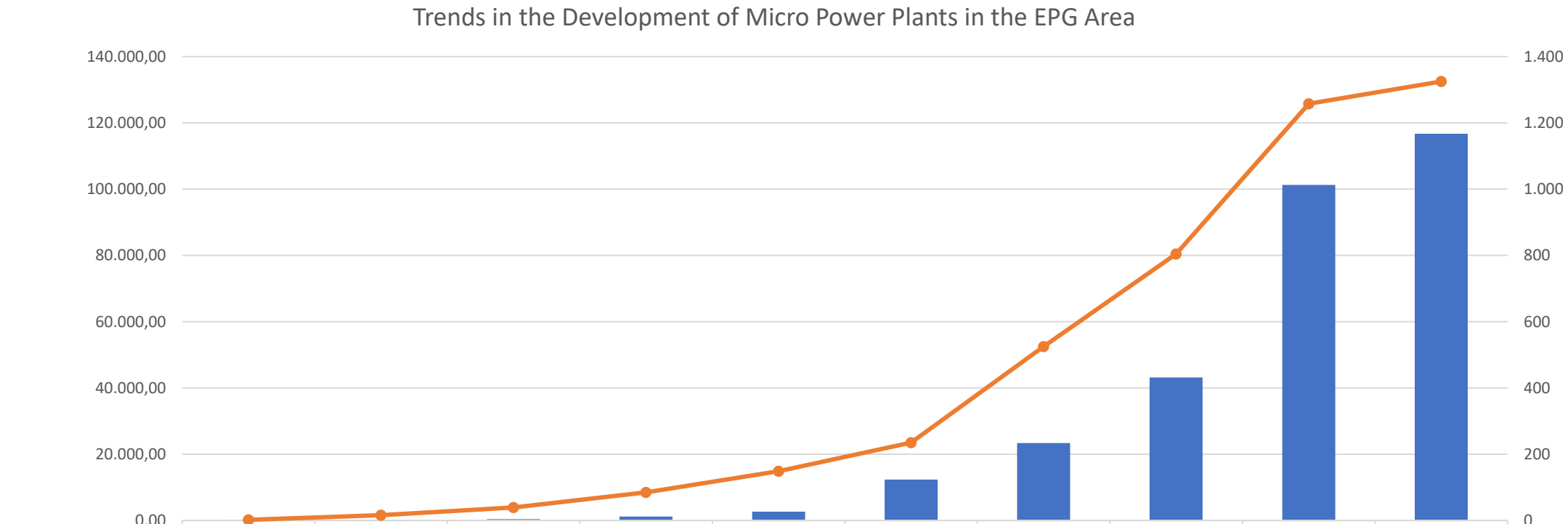

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Installed Capacity	35,00	140,30	404,11	1.179,26	2.655,33	12.355,72	23.373,62	43.136,93	101.252,43	116.701,29
Quantity	2	16	39	85	149	235	525	804	1.258	1.325

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Connection of Renewable Energy Sources

As of February 16, 2023, GNERC has introduced new amendments outlining the principles for connecting renewable energy sources (RES) to the distribution grid.

Standard connection options for RES projects with a capacity of up to 15 MW have been defined as follows:

- Construction of a connection cell at the DSO's substation.
- Integration into the DSO's existing power transmission line.

A connection point (network readiness) fee is determined based on the installed capacity of the power plant:

- For power stations with a capacity of up to 2 MW: 60,000 GEL (20,000 EUR) per MW.
- For power stations with a capacity between 2 MW and 15 MW: 300,000 GEL (100,000 EUR) per MW.

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Self-Consumption

Effective from November 8, 2024, with prior notification to the system operator, a customer is permitted to use their own electricity generation facility.

The electricity generated must not be fed into the distribution network and must be entirely consumed for the customer's own needs.

Such customers are not eligible for the benefits of the net metering scheme.

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Electric Vehicle Chargers

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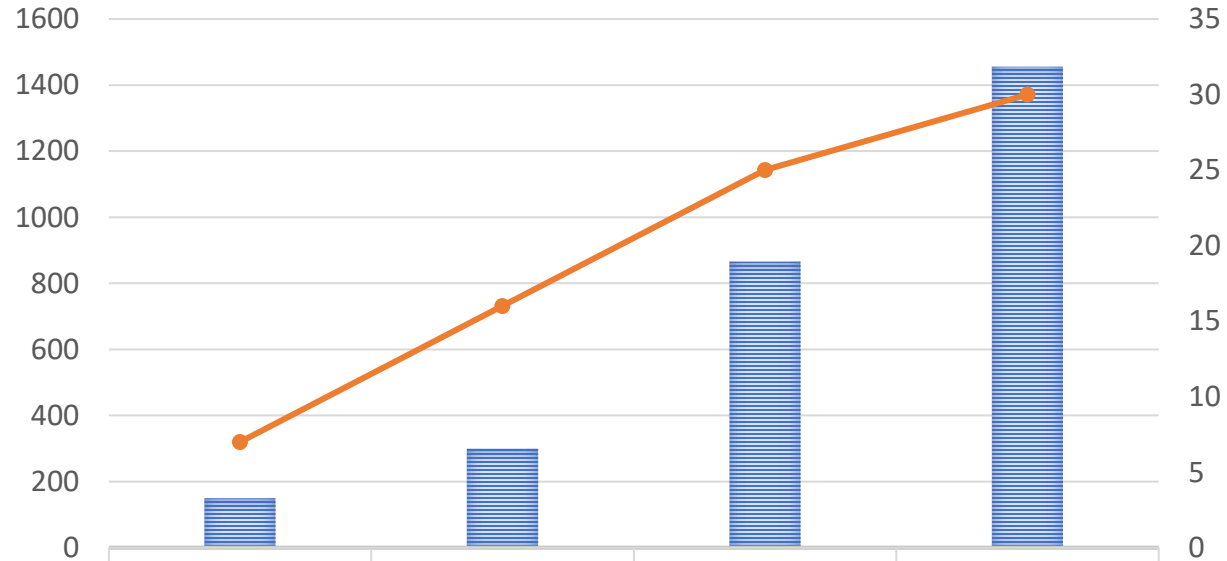
According to the Electricity Distribution Network Rules, any individual or entity may apply to connect an electric vehicle (EV) charging station to the distribution network.

GNERC has amended the regulations regarding EV charger connections, reducing the connection fee to 50% of the standard connection cost.

The EV charging station must be connected separately to the distribution network and must have its own individual metering system, regardless of whether the location (facility or designated area) is already supplied with electricity.

TRENDS IN THE DEVELOPMENT OF EV CHARGERS



	2022	2023	2024	2025
Sum of Power Value	150	300	865	1455
Quantity	7	16	25	30

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The Regulation For New Connections

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Voltage step (kV)	Capacity (kW)	Term of connection of the new object to the network (working days)		Cost of connection of the new object including VAT (EUR)	Cost of connection of the EV Chargers including VAT (EUR) (-50%)
		Self-governing cities	Other Municipalities		
0,4	10 (1-10 kW 220 V)	40	60	270	135
	10 (1-10 kW 380 V)	40	60	676	338
	From 10 to 30	40	60	2,365	1,182
	From 30 to 50	40	60	4,730	2,365
	From 50- to 80	40	60	7,568	3,784
	From 80 to 100	40	60	9,459	4,730
	From 100 to 120	40	60	12,162	6,081
	From 120 to 150	40	60	15,203	7,601
	From 150 to 200	45	60	27,027	13,514
	From 200 to 320	60	90	37,162	18,581
	From 320 to 500	60	90	56,588	28,294
	From 500 to 800	90	110	72,973	36,486
	From 800 to 1000	90	110	91,216	45,608
	From 1000 to 1300	90	110	97,297	48,649
	From 1300 to 1600	90	110	108,108	54,054
	From 1600 to 2000	90	110	135,135	67,568
	From 2000 to 2600	90	110	175,676	87,838
	From 2600 to 3200	90	110	216,216	108,108
6-10 kV	1-500	60	90	43,919	21,959
	From 500 to 1000	90	110	67,568	33,784
	From 1000 to 1500	90	110	96,959	48,480
	From 1500 to 2000	90	110	118,243	59,122
	From 2000 to 3000	90	120	156,588	78,294
	From 3000 to 5000	90	120	253,041	126,520

Upon receiving an application for a new connection to the distribution network, the system operator is obligated to provide service to the applicant and ensure the provision of all necessary infrastructure and services (full technological cycle) to supply electricity to the applicant's property within the operator's service area.

The applicant is required to pay the corresponding connection fee.

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Smart Metering Development

Until July 1, 2024, the distribution system operator was obligated to install smart meters for all new multi-apartment building connections.

Starting from July 1, 2024, in accordance with the Electricity Distribution Network Rules, the installation of a smart meter is mandatory for all new connections to the electricity distribution network.

Additionally, any existing customer has the right to request the installation of a smart meter, but must cover the smart meter fee set by GNERC.

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THANK YOU
for your attention

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ENERGO-PRO GEORGIA
April 2025