JSC
"ELECTRICITY
SYSTEM
COMMERCIAL
OPERATOR"

ACTIVITY REPORT 2018





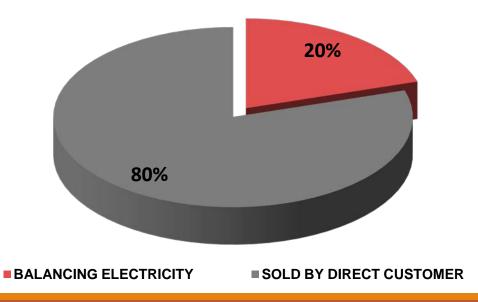
MAIN DIRECTIONS OF THE ACTIVITY

- BALANCING ELECTRICITY TRADE
- GUARANTEED CAPACITY TRADE
- ELECTRICITY IMPORT AND EXPORT
- SUPPORT OF CONSTRUCTION OF NEW HYDROPOWER PLANTS
- METERING CONTROL



BALANCING ELECTRICITY TRADE

- BALANCING ELECTRICITY TRADE REMAINS AS ONE OF THE MAIN DIRECTIONS OF ESCO'S ACTIVITIES;
- IN 2018, THE SHARE OF BALANCING ELECTRICITY IN THE WHOLESALE TRADE WAS 20%.

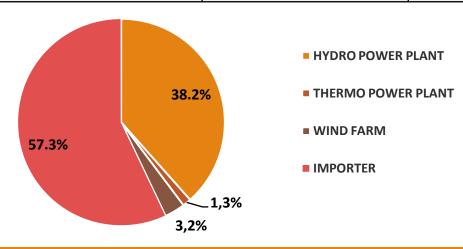


PARTICIPATION OF ELECTRICITY SUPPLIERS IN BALANCING ELECTRICITY FORMATION



The quantitative indicators of Balancing Electricity sellers and their share for 2018 are given in the table.

ELECTRICITY CELLERG	YEAR 2018		
ELECTRICITY SELLERS	KWH	SHARE, %	
HYDROPOWER PLANT	1 007 867 791.0	38.2%	
THERMAL POWER PLANT	35 295 001.6	1.3%	
QARTLI WIND FARM	84 202 860.0	3.2%	
IMPORTER	1 508 820 928.0	57.3%	
TOTAL	2 636 186 580.6	100%	





PARTICIPATION OF QUALIFIED ENTERPRISES IN THE PURCHASE OF BALANCING ELECTRICITY

- In 2018, Balancing Electricity buyers from ESCO were mainly distribution energy companies, direct consumers, and exporters.
- Quantitative indicators of Balancing Electricity buyers and their equity participation are given in the graph.

ELECTRICITY BUYERS	YEAR 2018		
ELECTRICITY BUTERS	kWh	Share, %	
DIRECT CUSTOMER	304 337 966.3	11.545%	
DISTRIBUTION ENERGY COMPANY	2 151 423 824.8	81.611%	
EXPORTER	211 881.1	0.008%	
GSE (ENSURING COVERAGE OF LOSSES IN THE TRANSMISSION NETWORK)	179 932 700.0	6.826%	
GSE (TO PROVIDE FOR THE TRANSIT LOSSES)	220 966.5	0.008%	
GSE (RETURN OF THE EMERGENCY SUPPLY)	59 241.9	0.002%	
TOTAL	2 636 186 580.6	100%	

PRICE FORMATION OF BALANCING ELECTRICITY FOR SALE



THE PRICE OF BALANCING ELECTRICITY FOR SALE (THAT ESCO HAVE PURCHASED) SHALL BE FORMED BASED ON *THE WEIGHTED AVERAGE PRICE*.

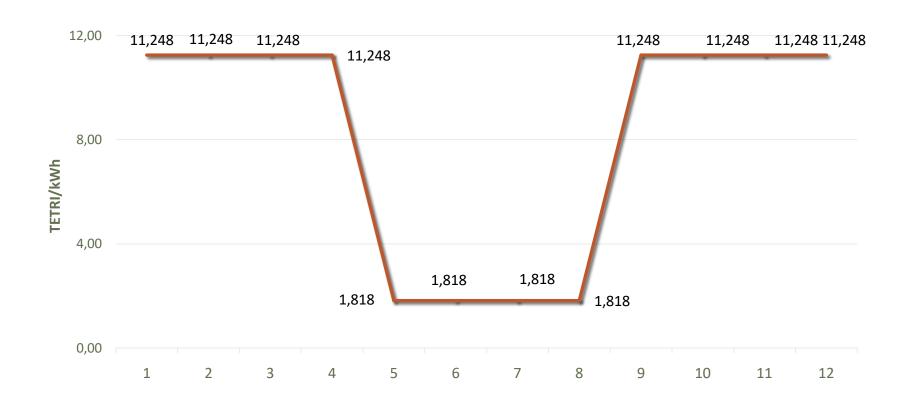
2018 YEAR



BALANCING ELECTRICITY PRICE OF DEREGULATED SMALL CAPACITY POWER PLANTS, 2018



The price of Balancing Electricity purchased by ESCO from low-capacity power plants is determined under Article 36 of the Electricity (Capacity) Market Rules.



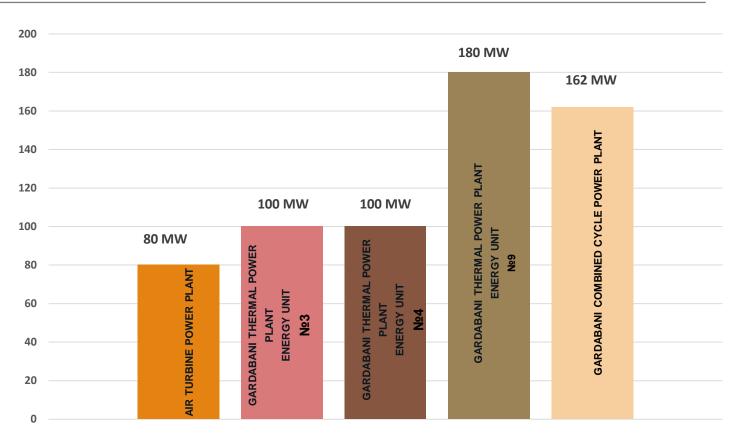
GUARANTEED CAPACITY



- GUARANTEED CAPACITY SERVES TO THE STABILITY, SAFETY AND RELIABLE FUNCTIONING OF THE COUNTRY'S UNIFIED ENERGY SYSTEM:
- GUARANTEED CAPACITY TRADE IS TAKING PLACE ONLY THROUGH ESCO, BASED ON THE STANDARD CONDITIONS OF DIRECT CONTRACT.
- GUARANTEED CAPACITY BUYERS ARE A DISTRIBUTION ENERGY COMPANY, A DIRECT CUSTOMER, A POWER PLANT (WHICH IS IN TRIAL MODE OR COMPLEX TEST MODE FOR COMMISSIONING) AND AN EXPORTER.
- GUARANTEED CAPACITY PURCHASER QUALIFIED ENTERPRISE IS OBLIGED TO REIMBURSE THE GUARANTEED CAPACITY FEE IN PROPORTION TO THE ACTUAL TOTAL CONSUMPTION AND EXPORT OF QUALIFIED ENTERPRISES PURCHASING GUARANTEED CAPACITY OR IN PROPORTION TO THEIR SHARE IN ACTUAL CONSUMPTION OR EXPORT.

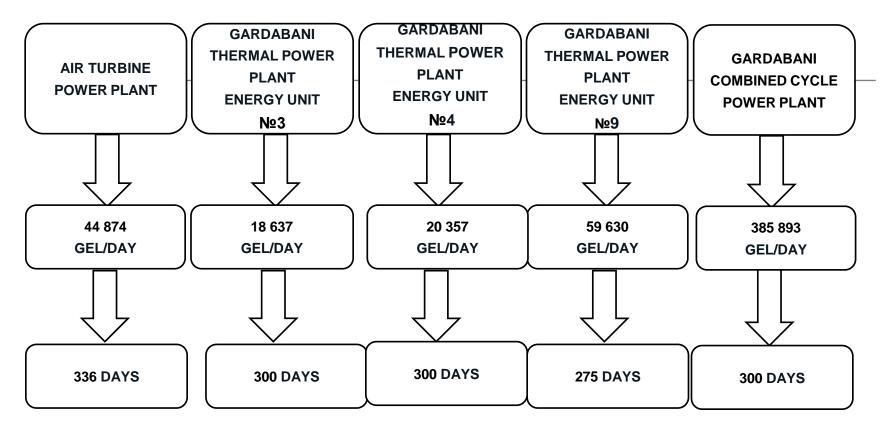


GUARANTEED CAPACITY SOURCES AND MINIMUM QUANTITY OF GUARANTEED CAPACITY, DETERMINED BY THE GOVERNMENT OF GEORGIA, 2018



The guaranteed capacity source and the minimum amount of guaranteed capacity for each capacity source shall be determined by the Government of Georgia.

THE PRICE AND PROVISION PERIODS FOR GUARANTEED CAPACITY SOURCES DETERMINED BY THE NATIONAL REGULATORY COMMISSION



- THE GEORGIAN NATIONAL ENERGY AND WATER SUPPLY REGULATORY COMMISSION SETS THE DELIVERY PERIODS AND THE DAILY PRICE OF GUARANTEED CAPACITY FOR EACH GUARANTEED CAPACITY SOURCE.
- ACCORDING TO THE REGULATORY COMMISSION RESOLUTION, THE PROVISION PERIODS (NUMBER OF DAYS) FOR THE GUARANTEED CAPACITY SOURCES ARE DETERMINED FROM JANUARY 1, 2018 TILL (INCLUDING) DECEMBER 31, 2018 (12 MONTHS), BASED ON THE CALENDAR YEAR.

FUNDS RECEIVED FOR THE GUARANTEED CAPACITY PROVIDED BY THE SOURCES, 2018



ESCO COMPENSATES THE COST OF GUARANTEED CAPACITY ONLY TO THOSE SOURCES OF GUARANTEED CAPACITY, READINESS, AND STANDBY PERIOD OF WHICH IS CONFIRMED BY THE DISPATCH LICENSEE.

COST OF PROVIDED ENERGY"		LTD "GEORGIAN INTERNATIONAL ENERGY CORPORATION"		LTD "G-POWER"	LTD "GARDABANI TPP"
2018	ENERY UNIT №9	ENERY UNIT №3	ENERY UNIT №4	AIR TURBINE POWER PLANT	COMBINED CYCLE POWER PLANT
PROVISION PERIOD (NUMBER OF DAYS)	275	300	300	336	300
GUARANTEED CAPACITY COST (M GEL)	16.398	5.591	6.107	15.078	115.768



PURCHASE SHARE OF GUARANTEED CAPACITY BUYER QUALIFIED ENTREPRISES IN TOTAL PURCHASE, 2018





IMPORT AND EXPORT CARRIED OUT BY ESCO

- •IN 2018, THE QUANTITY OF ELECTRICITY IMPORTED BY ESCO WAS 1 508.82 M KWH, WHICH WAS ENTIRELY (100%) CARRIED OUT BY ESCO. THE ELECTRICITY WAS IMPORTED FROM THE RUSSIAN FEDERATION (206.5 M KWH), THE REPUBLIC OF AZERBAIJAN (1230.1 M KWH), ARMENIA (7.8 M KWH) AND TURKEY (64.4 M KWH). SIGNIFICANT SHARE IN THE IMPORT CARRIED OUT BY ESCO WAS THROUGH THE ELECTRICITY TRANSMISSION LINES, CONNECTED WITH THE REPUBLIC OF AZERBAIJAN.
- IN 2018, ESCO EXPORTED 380.2 M KWH OF ELECTRICITY, WHICH IS 64.6% OF ACTUAL EXPORT (588.6 M KWH) FROM THE COUNTRY. THE EXPORT WAS CARRIED OUT TO FOUR NEIGHBOURING COUNTRIES: THE RUSSIAN FEDERATION (96.9 M KWH), TURKEY (260.0 M KWH), THE REPUBLIC OF AZERBAIJAN (23.1 M KWH) AND ARMENIA (0.206 M KWH).



MONITORING OF METERING SYSTEMS

In 2018, the auditors of the Electricity Metering Control Department, in cooperation with the parties concerned (according to the approved schedule), inspected 1063 electricity settlement metering nodes to monitor the electricity settlement metering points. They drew up the inspection act per each wholesale (commercial) metering node;

When registering a qualified enterprise or amending its registration, as a participant of wholesale trade, the Commission inspected and put into service 78 new settlement metering nodes (intended for the wholesale trade) and drew up the inspection acts of metering nodes that will be used in wholesale trade;

The JSC "Electricity System Commercial Operator" reacted to all the deficiencies revealed during the inspection following legislation;

The unified database of metering nodes to be used for wholesale trade has been renewed.



SUPPORT OF CONSTRUCTION OF NEW POWER PLANTS

IN 2018, COMMENSURATE TO THE MEMORANDUMS, CONCLUDED BETWEEN THE GOVERNMENT AND THE INVESTOR, 9 CONTRACTS WERE SIGNED ON THE OBLIGATORY POWER PURCHASE BETWEEN THE MARKET OPERATOR AND THE INVESTOR:

- GOVERNMENT ESCO LTD "PRIME ENERGY"
- GOVERNMENT ESCO LTD "GGP ZEKARI"
- GOVERNMENT ESCO LTD "ENERGO INVEST"
- GOVERNMENT ESCO LTD "AJARA ENERGY 2007"
- GOVERNMENT ESCO LTD "KHEORIHESI"
- GOVERNMENT ESCO LTD "PERI"
- GOVERNMENT ESCO LTD "PERI"
- GOVERNMENT ESCO LTD "GEORGIAN WATER AND POWER"
- GOVERNMENT ESCO LTD "JONOULI 1"



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