

Technological connections to electricity grids

Technological connections of IDGC of Siberia to electricity grids in 2018

Name of the type connection	Number of submitted applications to transformer substation		Contracts concluded		Contracts executed (actual connection performed)	
	pcs	kW	pcs	kW	pcs	kW
Up to 15 kW total	35,727	448,240	30,349	383,204	27,738	345,449
Including physical entity	32,097	415,357	27,771	360,377	25,234	324,227
From 15 to 150 kW, total	2,999	207,017	2,123	145,849	1,460	90,933
From 150 to 670 kW, total	705	252,546	292	104,491	320	109,139
More than 670 kW	338	1,423,182	94	278,865	105	294,916
Electric capacity generation facilities	14	181,983	4	52,400	1	5,000
IDGC of Siberia	39,783	2,512,968	32,862	964,809	29,624	845,438

The number of applications to PJSC IDGC of Siberia increased by 7% in 2018. At the same time, the total scope of the maximum capacity of applications submitted is higher than in 2017 by 25% or by 509.17 MW.

The main increase was revealed in the category of applications with a capacity of up to 15 kW (an increase in the amount by 4.6%, increase in the maximum capacity by 4.9%) and in the category of applications with a category with a capacity over 15 kW and up to 150 kW (an increase in the amount by 43%, an increase in the maximum by 41%). The number of contracts concluded in 2018 increased by 12% or 3,449 units, the total capacity of the concluded contracts increased by 8% or 68.13 MW compared to 2017.

The reason for the increase in the number of applications filed and contracts concluded is mainly a change of federal legislation due to the expansion at the legislative level of the category of preferential technological connection (up to 150 kW).

29,624 contracts for technological connection of capacity receiving devices with a total capacity of 845.44 MW were actually executed in 2018. Including electrical installations of the preferential category of applicants up to 15 kW are 27,738 units and 345.45 MW, respectively. Completed contracts (performed connection to the electrical grid) is 1% or 248 units more than in 2017. The total capacity of the connected electrical installations slightly decreased compared to the figure for 2017 by 2.5 MW due to the predominance of the category of small and medium businesses among applicants.

In general, the planned values were exceeded by 24.1% in terms of the number of contracts in 2018, in terms of maximum capacity, the shortfall was 14.13%, due to the termination of a number of large contracts with a total capacity of 72 MW, as well as an extension of the execution period for the next periods under contracts with a total capacity of 67 MW.

For the up to 15 kW category of applicants, over-fulfillment of the planned targets was ensured: +21.5% by the number of contracts, +27.5% by the maximum capacity volume. These figures are due to the predominance in the total number of executed contracts for the implementation of technological connection of contracts belonging to the up to 15 kW category of applicants, as well as over 15 kW and up to 150 kW categories, i. e. categories of small and medium businesses. The direct growth in the number of executed contracts was due to the increased work on the elimination of overdue obligations under technological connection contracts in 2018.

Dinamics of data on technological connections

Region	Number of submitted applications to transformer substations				Contracts concluded				Contracts ex connector		
	Increase/decrease, pcs.		Increase/decrease, kW		Increase/decrease, pcs.		Increase/decrease, kW		Increase/decrease, pcs.		Inc
	,%	+/-	,%	+/-	,%	+/-	,%	+/-	,%	+/-	,%
PJSC IDGS of Siberia	7	2,652	25	509,174	12	3,449	8	68,134	1	248	-0
Altay Region (Altayenergo)	-1	-32	-9	-27,678	-1	-51	-19	-27,701	-15	-607	
Republic of Altay (Gorno-Altayskiye Capacity Grids)	43	1,009	-11	-15,837	47	847	30	17,505	0	8	
Republic of Buryatia (Buryatenergo)	1	37	81	124,368	0	1	7	4,884	-6	-183	-
Krasnoyarsk Region (Krasnoyarskenergo)	8	830	25	128,695	19	1,473	29	65,450	22	1,579	
Kemerovo Region (Kuzbassenergo – Regional Electric Grids)	14	430	11	52,866	19	498	-22	-43,336	3	84	
Omsk Region (Omskenergo)	-7	-320	116	188,075	-6	-227	22	16,951	-2	-69	-
Republic of Khakassia (Khakasenergo)	15	635	35	40,785	27	904	44	27,090	-20	-725	-
Zabaikalye Region (Chitaenergo)	2	63	15	17,900	0	4	12	7,291	7	161	1