

Consolidation of grid assets

Type of consolidation	2019			2020			2021		
	MVA	km	c.u.	MVA	km	c.u.	MVA	km	c.u.
IDGC of Urals' total	2,992	10,839	72,589	3,267	13,003	65,856	2,621	13,639	63,567
Acquisition of grid facilities	102	576	3,719	69	228	1,058	0	0	0
Rented grid facilities	2,871	10,070	68,298	3,180	12,736	64,654	2,603	13,501	63,106
Other (permanent rights of ownership and use)	19	193	565	17	29	114	11	61	256
Other (temporary rights of ownership and use)	0	0	7	1	10	30	7	77	205
AO EESK's total	486	1,184	7,572	550	1,300	7,913	585	1,328	8,397
Acquisition of grid facilities	40	0	336	0	0	0	0	0	0
Rented grid facilities	434	1,184	7,150	530	1,299	7,654	538	1,328	7,837
Other (permanent rights of ownership and use)	12	0	86	20	1	259	47	0	560
Other (temporary rights of ownership and use)	0	0	0	0	0	0	0	0	0

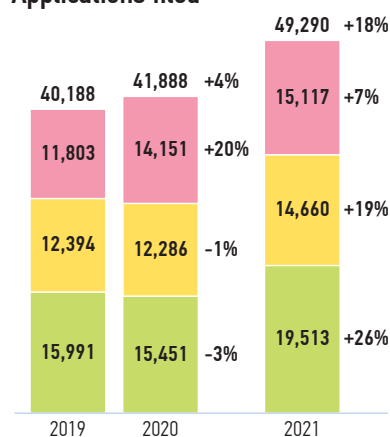
Connection, demand analysis

The demand for connection to the networks in 2021 increased in comparison to 2020. The total number of applications for connection, filed with the Company, grew by 18% and totaled 49,290, the growth driven by enhanced accessibility of connection due to the transition to online channels, improved purchasing power as a result of subsidized real property

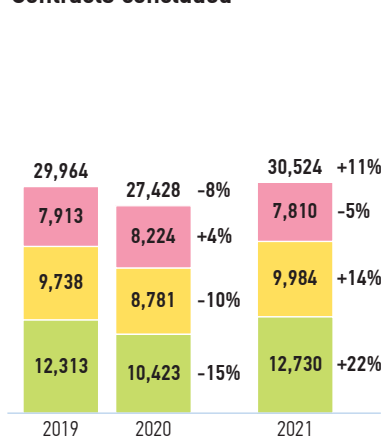
loans and information on possible cancellation of privileged technological connection. The share of electronic applications filed with the use of personal account in 2021 totaled 99%. In 2021, the Company concluded 30,524 contracts (+11% YoY) and executed 29,623 contracts (+23% YoY). Capacity demand in concluded and executed contracts also increased by 1% and 18%, respectively.

Demand for connection, pcs*

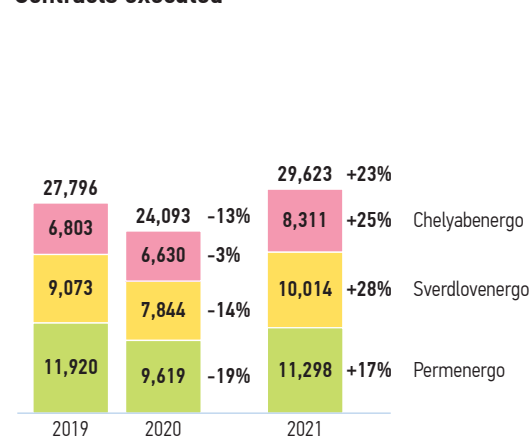
Applications filed



Contracts concluded

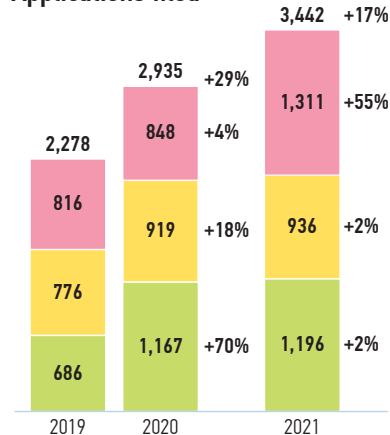


Contracts executed

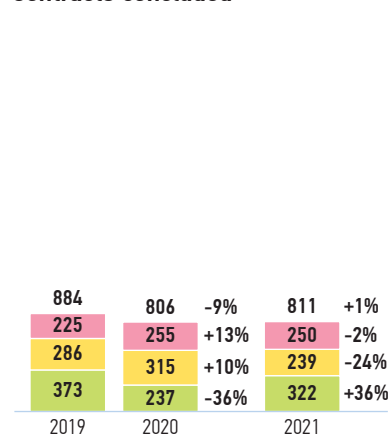


Demand for connection, MW*

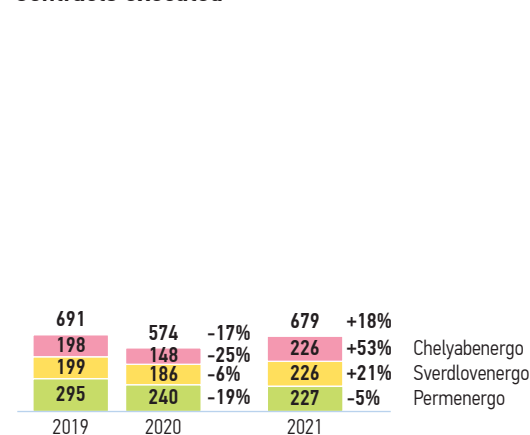
Applications filed



Contracts concluded



Contracts executed



* Net of temporary connection.

Metrics	MU	2019	2020	2021	2021/2020, %
Applications filed	pcs	40,188	41,888	49,290	18%
Applications filed	kW	2,277,856	2,935,258	3,442,436	17%
Contracts concluded	pcs	29,964	27,428	30,524	11%
Contracts concluded	kW	883,642	806,473	811,009	1%
Contracts executed	pcs	27,796	24,093	29,623	23%
Contracts executed	kW	691,116	573,941	678,611	18%
Active contracts	pcs	18,874	19,609	18,725	-5%
Active contracts	kW	1,766,100	1,796,348	1,684,551	-6%
Executed contracts by categories of applicants:					
0–15 kW inclusive	pcs	25,639	22,130	27,448	24%
15–150 kW inclusive	pcs	1,799	1,619	1,860	15%
150–670 kW	pcs	257	264	237	-10%
670+ kW	pcs	99	77	75	-3%
Generation	pcs	2	3	3	0%
0–15 kW inclusive	kW	302,011	265,821	342,978	29%
15–150 kW inclusive	kW	107,561	103,301	129,633	25%
150–670 kW	kW	74,227	71,405	70,566	-1%
670+ kW	kW	193,918	117,409	122,528	4%
Generation	kW	13,400	16,005	12,906	-19%
Revenues from connection by categories of applicants:					
0–15 kW inclusive	RUB million	39	42	64	54%
15–150 kW inclusive	RUB million	72	46	74	61%
150–670 kW	RUB million	276	348	325	-7%
670+ kW	RUB million	390	165	288	74%
Generation	RUB million	0	119	0	-100%
Executed contracts by industries:					
Individuals	pcs	23,300	19,973	25,085	26%
Agriculture, forestry, fishery	pcs	195	175	152	-13%
Manufacturing industry	pcs	145	129	122	-5%
Production and distribution of electricity, gas and water	pcs	195	166	156	-6%
Real estate development	pcs	514	545	583	7%
Trade industry	pcs	400	295	291	-1%
Transportation and telecommunications	pcs	622	658	801	22%
Public health, education, social services	pcs	189	175	124	-29%
Other	pcs	2,236	1,977	2,309	17%
Individuals	kW	286,475	250,237	323,086	29%
Agriculture, forestry, fishery	kW	17,675	21,621	13,036	-40%
Manufacturing industry	kW	88,036	27,658	31,192	13%
Production and distribution of electricity, gas and water	kW	82,310	46,578	63,474	36%
Real estate development	kW	38,861	40,718	43,002	6%
Trade industry	kW	17,638	21,836	14,815	-32%
Transportation and telecommunications	kW	5,045	5,862	7,549	29%
Public health, education, social services	kW	9,443	11,483	7,005	-39%
Other	kW	145,634	147,948	175,453	19%

Cancelled contracts

Branch	Connection contracts cancelled during the reported period*		
	Contracts	MW	Contract value, RUB million, net of VAT
Permenergo	1,268 (-34% on 2018)	57 (-39%)	189 (-19%)
Sverdlovenergo	947 (-12%)	36 (+20%)	90 (+127%)
Chelyabenergo	1,173 (+26%)	57 (+2%)	91 (-78%)
2019 total	3,388 (-14%)	150 (-17%)	370 (-46%)
Permenergo	824 (-35% on 2019)	95 (+67%)	123 (-35%)
Sverdlovenergo	715 (-24%)	21 (-42%)	26 (-71%)
Chelyabenergo	1,056 (-10%)	76 (+33%)	125 (+37%)
2020 total	2,595 (-23%)	192 (+28%)	274 (-26%)
Permenergo	679 (-18% on 2020)	33 (-65%)	83 (-33%)
Sverdlovenergo	356 (-50%)	63 (+200%)	59 (+127%)
Chelyabenergo	768 (-27%)	105 (+38%)	99 (-21%)
2021 total	1,803 (-31%)	201 (+5%)	241 (-12%)

* Net of temporary connection.

Connection requests are waived due to changes in terms for construction of filer's facility, lack of intentions to construct any facilities, lack of funds or expiration of specifications.

During 2021, **Permenergo** cancelled 679 contracts (-18% YoY) with the total capacity of 33 MW and worth RUB 83 million (net of VAT). Most of the contracts (83%) were cancelled by 0–15 kW applicants, 68% of cancellations done by individuals.

During 2021, **Sverdlovenergo** cancelled 356 contracts (-50% YoY) with the total capacity of 63 MW and worth RUB 59 million. Most of the contracts (83%) were cancelled by 0–15 kW applicants, 75% of cancellations done by individuals.

During 2021, **Chelyabenergo** cancelled 768 contracts (-27% YoY) with the total capacity of 105 MW and worth RUB 99 million. Most of the contracts (78%) were cancelled by 0–15 kW applicants, 70% of cancellations done by individuals.

The most important connections in 2021 are

- Administration of Baikalovo Municipal District (RUB 11 million, 0.42 MW): connection of a 550-seat secondary school (advancement of education in the Sverdlovsk region).
- OOO Krasnoturinsk-Polymetall (RUB 235 million, 7 MW): power supply of zinc and copper-zinc ore processing plant (development of metallurgic industry in the Sverdlovsk region).
- OAO Serov Ferro-Alloy Plant (RUB 1.5 million, 7.6 MW): power supply of dust-collecting unit for furnaces and melt mixing units (development of metallurgic industry in the Sverdlovsk region).
- OOO Splav-1 (RUB 1.2 million, 0.73 MW): power supply of dust-collecting unit for furnaces and melt mixing units (development of metallurgic industry in the Sverdlovsk region)
- MKU Capital Construction Directorate of Perm (RUB 19 million, 0.44 MW): connection of a 1200-seat secondary school (advancement of education in the Perm region).
- MAU Youth Hall of Perm (RUB 18 million, 0.59 MW): reconstruction of a Youth Hall building (advancement of education in the Perm region).
- OOO SZ PKI (RUB 15 million, 0.9 MW): power supply of apartment building (development of house construction and improved housing affordability in Perm).
- AO Karyer (RUB 0.8 million, 4 MW): power supply of cement plant (development of construction in the Perm region).
- Ministry of Construction and Infrastructure of the Chelyabinsk region (RUB 35 million, 0.6 MW): connection of a secondary school (advancement of education in the Sverdlovsk region).
- MBU Utilities, Construction and Electricity Supply Directorate of Kunashak Municipal District (RUB 8 million, 0.3 MW): connection of a 500-seat secondary school (advancement of education in the Chelyabinsk region).