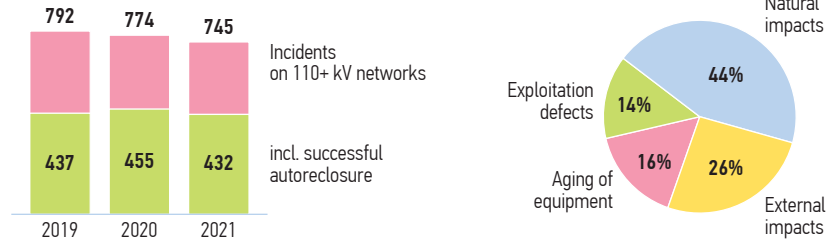


Description of incidents on network facilities in 2019–2021, incl. primary incident factors

A decline in the number of incidents on 110kV+ networks of the Company's branches totaled 3.7% on 2020 and 5.9% on 2019.

Amount of incidents and disturbances on 110+ kV networks



Primary factors of incidents on 110kV+ networks in 2021 are natural impacts, external impacts, aging of equipment, exploitation defects. In 2021, all branches of the Company achieved long-term reliability targets, set by the regional regulators, with significant outperformance.

Reliability indicators

Branch	Isaidi, hour		Isaifi, pcs	
	Approved by the REC	2021 actual value	Approved by the REC	2021 actual value
Permenergo	3.0696	0.8403	1.5123	0.8111
Chelyabenergo	2.9879	1.2502	1.9023	0.9841
Iadiept, hour				
	Approved by the REC	2021 actual value		
Sverdlovenergo	0.0167	0.0088		

In 2021, to enforce reliable grid performance, the Company has approved a set of special-purpose programs on technical development¹⁶; programs on reduction of incident rate and enhancement of equipment reliability, maintenance and repairs, service checks, upgrade (retrofitting) of grid facilities, reduction of injury risks, enhancement of fire safety, environmental safety, compliance with industrial safety requirements, equipment of high voltage units with arc fault protection, implementation of state-of-the-art security tools and special-purpose vehicles and lifting facilities. The primary expected effect from the special-purpose, repair and investment programs lies in the control of the level of incident rates and creation of conditions for achieving the reliability targets set by the regulators.

Consolidation of grid assets

OAO IDGC of Urals (jointly with AO EESK) consolidates grid assets to shape a unified network area on the territory of the Company's operations helping create a single point of responsibility for reliable and high-quality electricity supply and providing additional possibility to connect new consumers to the consolidated networks.

Primary means of consolidation were:

- rental. As of 01.01.2022, the volume of rented facilities and facilities with temporary right of ownership and use totaled 71,148 c.u.;
- uncompensated retrieval of grid facilities. We created hassle-free conditions for the transfer of grid facilities for any applicant. Applications on the transfer of grid facilities can be submitted through the corporate web site.

-3,7%

DECLINE IN THE NUMBER OF INCIDENTS COMPARED TO 2020

Development of the grid complex

The electricity sector of the areas of the Company's presence evolves in line with the relevant regional schemes for development of the energy complex, generated in compliance with the Government Decree¹⁷, with due consideration of the development plans of all subjects of the energy system and capacity demand forecasts.

In 2021, the authorities of the Perm, Sverdlovsk and Chelyabinsk regions have prepared and approved the schemes and blueprints for development of the energy sector for 2022–2026¹⁸⁻²⁰.

In an effort to optimize plans on development of the grid sector, in 2021 OAO IDGC of Urals contracted AO Federal Testing Center to prepare the Integrated 35+ kV Network Development Program for 2022–2026. The Program's materials, incl. baseline data on existing capacity utilization and proposals on its increase, as well as proposals on Company's nominees to be included into the working groups, dealing with crafting of the schemes and blueprints for development of the energy sector for the next period, have been filed with the regional authorities to be used in the production of the schemes and programs for development of the energy complex for the next period, serving as a basis for the Company's investment programs.

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

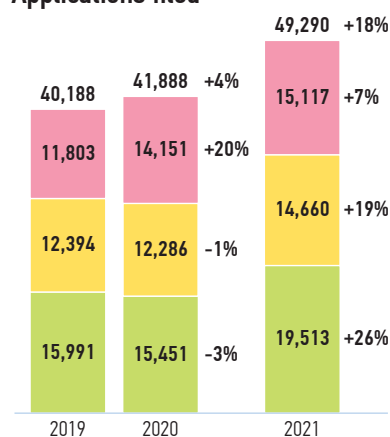
Connection, demand analysis

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

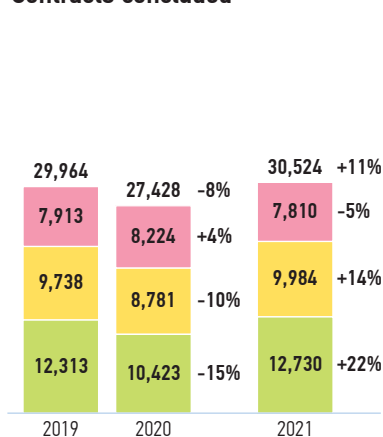
loans and information on possible cancellation of privileged technological connection. The share of electronic applications filed with the use of personal account in 2021 totaled 99%. In 2021, the Company concluded 30,524 contracts (+11% YoY) and executed 29,623 contracts (+23% YoY). Capacity demand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

Demand for connection, pcs*

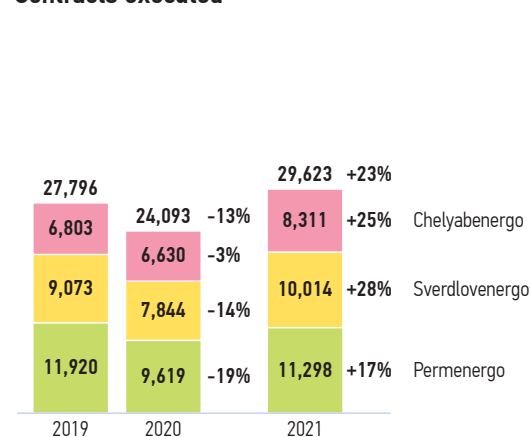
Applications filed



Contracts concluded

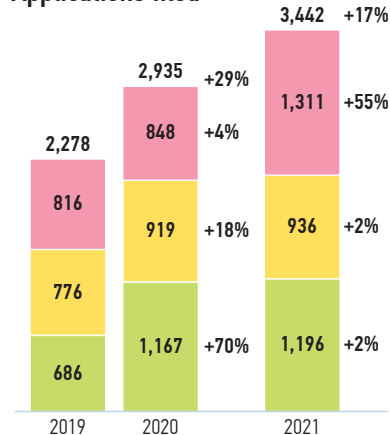


Contracts executed

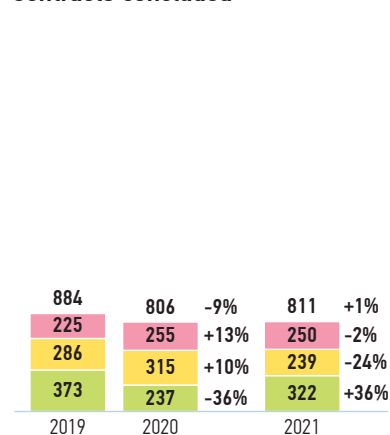


Demand for connection, MW*

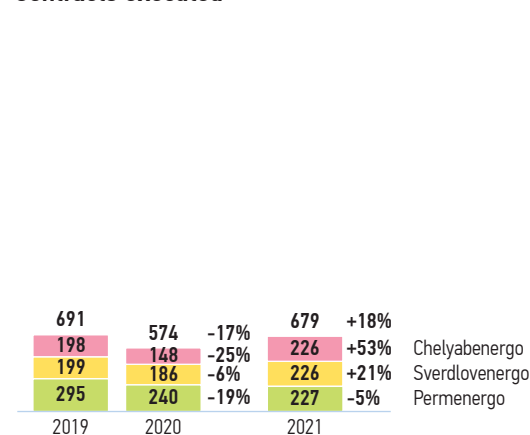
Applications filed



Contracts concluded



Contracts executed



* Net of temporary connection.