

T&D INFRASTRUCTURE

Celsia Colombia				
Transmission and Distribution Infrastructure	2016	2017	2018	2019
Number of transmission substations	12	16	17	11
Total length in km of the transmission network (≥ 220 kV)	274	291	291	274
Number of distribution substations	74	84	92	88
115kV substations	24	32	38	38
34.5/13.2kV substations	50	52	54	50
Total length in km of the distribution network	20,246	20,473	20,781	20,359
Aerial (<220 kV)	20,152	20,359	20,633	20,170
Underground (<220 kV)	94	114	148	189
Total number of distribution transformers installed on the network	29,004	29,343	29,650	28,355
Our own transformers	17,978	18,338	18,663	17,938
Third-party transformers	11,026	11,005	10,987	10,417

CETSA	
Transmission and Distribution Infrastructure	2019
Number of distribution substations	6
34.5/13.2kV substations	6
Total length in km of the distribution network	807
Aerial (<220 kV)	796
Underground (<220 kV)	11
Total number of distribution transformers installed on the network	1,847
Our own transformers	1,250
Third-party transformers	597

Central America	
Transmission and Distribution Infrastructure	2019
Number of transmission substations	5
Total length in km of the transmission network (≥ 220 kV)	17
Total length in km of the distribution network	15
Aerial (<220 kV)	15

Tolima	
Transmission and Distribution Infrastructure	2019
Number of distribution substations	74
115kV substations	12
34.5/13.2kV substations	62
Total length in km of the distribution network	21,622
Aerial (<220 kV)	21,358
Underground (<220 kV)	264
Total number of distribution transformers installed on the network	21,668
Our own transformers	17,966
Third-party transformers	3,702

Total Celsia	
Transmission and Distribution Infrastructure	2019
Number of transmission substations	16
Total length in km of the transmission network (≥ 220 kV)	291
Number of distribution substations	168
115kV substations	50
34.5/13.2kV substations	118
Total length in km of the distribution network	42,803
Aerial (<220 kV)	42,339
Underground (<220 kV)	464
Total number of distribution transformers installed on the network	51,870
Our own transformers	37,154
Third-party transformers	14,716

TECHNICAL LOSSES

Celsia Colombia - DJSI

Technical Losses (%)	2017	2018	2019	Average Length (km)	Target
Technical losses in the distribution network	4.94	4.94	4.9	20,033	4.9
Technical losses in the transmission network	1.48	1.48	1.31	274	1.48

CETSA

Technical Losses (%)	2017	2018	2019	Average Length (km)	Target
Technical losses in the distribution network	4.16	4.16	4.16	774	4.16

Celsia Tolima

Technical Losses (%)	2019	Average Length (km)	2019 Target
Technical losses in the distribution network	6.54	19,506	6.54