

SUSTAINABILITY STATEMENT: PERFORMANCE INDICATORS

The key sustainability performance indicators are listed below and form an integral part of this Sustainability Report.

AT A GLANCE

GRI/ EUSS	KPI	UM	December 2020	December 2019	December 2018	2020-2019	%	Scope
EU1	GENERATION							
	Installed capacity							
	Net efficient generation capacity by primary energy source							
	Thermal net capacity	(MW)	35,623	38,897	43,099	-3,274	-8.4	Enel
	Coal	(MW)	8,903	11,695	15,828	-2,792	-23.9	Enel
	CCGT	(MW)	15,009	14,991	15,021	18	0.1	Enel
	Oil/Gas	(MW)	11,711	12,211	12,250	-500	-4.1	Enel
	Nuclear net capacity	(MW)	3,328	3,318	3,318	10	0.3	Enel
	Renewable net capacity	(MW)	45,016	42,134	39,203	2,882	6.8	Enel
	Hydroelectric	(MW)	27,820	27,830	27,844	-10	-	Enel
	Wind	(MW)	12,412	10,327	8,190	2,085	20.2	Enel
	Geothermal	(MW)	882	878	804	4	0.5	Enel
	Biomass and cogeneration	(MW)	5	5	42	-	-	Enel
	Photovoltaic	(MW)	3,897	3,094	2,322	803	26.0	Enel
	Total net electrical capacity	(MW)	83,967	84,349	85,620	-382	-1,271	Enel
	Net efficient generation capacity by geographic area							
	Italy	(MW)	26,400	27,451	27,624	-1,051	-3.8	Italy
	Iberia	(MW)	21,652	23,348	22,717	-1,696	-7.3	Iberia
	Latin America	(MW)	21,960	21,200	21,603	760	3.6	Latin America
	Chile	(MW)	7,118	7,232	7,448	-114	-1.6	Chile
	Argentina	(MW)	4,419	4,419	4,419	-	-	Argentina
	Colombia	(MW)	3,592	3,592	3,583	-	-	Colombia
	Peru	(MW)	2,301	2,299	2,297	2	0.1	Peru
	Brazil	(MW)	3,922	3,050	3,250	872	28.6	Brazil
	Uruguay	(MW)	-	-	-	-	-	Uruguay
	Costa Rica	(MW)	81	81	81	-	-	Costa Rica
	Guatemala	(MW)	164	164	164	-	-	Guatemala
	Panama	(MW)	362	362	362	-	-	Panama
	North America	(MW)	6,643	5,282	3,220	1,361	25.8	North America
	United States	(MW)	5,268	4,437	2,921	831	18.7	United States
	Mexico	(MW)	1,165	845	299	320	37.9	Mexico
	Canada	(MW)	210	-	-	210	-	Canada
	Europe	(MW)	6,402	6,292	9,761	110	1.7	Europe
	Russia	(MW)	5,350	5,255	8,878	95	1.8	Russia
	Romania	(MW)	534	534	534	-	-	Romania
	Greece	(MW)	475	461	307	-	-	Greece
	Bulgaria	(MW)	42	42	42	-	-	Bulgaria

GRI/EUSS	KPI	UM	December 2020	December 2019	December 2018	2020-2019	%	Scope
	Africa, Asia and Oceania	(MW)	911	776	695	135	17.3	Africa, Asia and Oceania
	South Africa	(MW)	670	570	522	100	17.6	South Africa
	India	(MW)	172	172	172	-	-	India
	Zambia	(MW)	34	34	-	-	-	Zambia
	Australia	(MW)	34	-	-	34	-	Australia
	Total net electrical capacity	(MW)	83,967	84,349	85,620	-382	-0.5	Enel
	Power generation plants							
	Thermoelectric plants⁽¹⁾	(no.)	81	84	89	-3	-3.6	Enel
	Coal plants	(no.)	10	12	16	-2	-16.7	Enel
	CCGT plants	(no.)	23	23	23	-	-	Enel
	Oil/Gas plants	(no.)	48	49	50	-1	-2.0	Enel
	Nuclear plants	(no.)	4	4	4	-	-	Enel
	Renewable energy plants	(no.)	1,173	1,138	1,094	35	3.1	Enel
	Hydroelectric plants	(no.)	748	761	750	-13	-1.7	Enel
	- of which mini-hydro plants (< 10 MW)	(no.)	460	473	460	-13	-2.7	Enel
	Wind plants	(no.)	262	226	202	36	15.9	Enel
	Photovoltaic plants	(no.)	122	105	99	17	16.2	Enel
	Geothermal plants	(no.)	39	38	35	1	2.6	Enel
	Biomass plants	(no.)	2	8	8	-6	-75.0	Enel
	OPERATING RESULTS							
EU2	GENERATION							
	Net production by primary energy source							
	Thermal net production	(GWh)	75,909	103,459	127,333	-27,550	-26.6	Enel
	Coal	(GWh)	13,155	37,592	64,366	-24,437	-65.0	Enel
	CCGT	(GWh)	43,353	44,980	38,134	-1,627	-3.6	Enel
	Oil/Gas	(GWh)	19,401	20,887	24,832	-1,486	-7.1	Enel
	Nuclear net production	(GWh)	25,839	26,279	24,067	-440	-1.7	Enel
	Renewable net production	(GWh)	105,360	99,391	98,940	5,969	6.0	Enel
	Hydroelectric	(GWh)	62,437	62,580	65,893	-143	-0.2	Enel
	Wind	(GWh)	30,992	26,668	22,161	4,324	16.2	Enel
	Geothermal	(GWh)	6,167	6,149	5,881	18	0.3	Enel
	Biomass and cogeneration	(GWh)	1	21	108	-20	-95.6	Enel
	Photovoltaic	(GWh)	5,763	3,974	4,897	1,789	45.0	Enel
	Total net production	(GWh)	207,108	229,129	250,339	-22,021	-9.6	Enel
	Net production by geographic area							
	Italy	(GWh)	42,495	46,912	53,232	-4,417	-9.4	Italy
	Iberia	(GWh)	56,269	61,402	74,193	-5,133	-8.4	Iberia
	Latin America	(GWh)	69,165	71,836	70,578	-2,671	-3.7	Latin America
	Chile	(GWh)	19,331	21,041	20,885	-1,710	-8.1	Chile
	Argentina	(GWh)	13,901	12,974	13,949	927	7.1	Argentina
	Colombia	(GWh)	14,146	15,362	14,053	-1,216	-7.9	Colombia
	Peru	(GWh)	8,774	9,249	8,999	-475	-5.1	Peru
	Brazil	(GWh)	10,713	11,077	9,840	-364	-3.3	Brazil
	Uruguay	(GWh)	-	-	170	-	-	Uruguay
	Costa Rica	(GWh)	213	198	305	15	7.7	Costa Rica
	Guatemala	(GWh)	518	430	568	88	20.5	Guatemala
	Panama	(GWh)	1,569	1,505	1,808	64	4.2	Panama

GRI/EUSS	KPI	UM	December 2020	December 2019	December 2018	2020-2019	%	Scope
	North America	(GWh)	17,182	12,969	9,752	4,213	32.5	North America
	United States	(GWh)	14,695	11,923	7,133	2,772	23.2	United States
	Mexico	(GWh)	1,920	1,046	2,619	874	83.6	Mexico
	Canada	(GWh)	566	-	-	566	-	Canada
	Europe	(GWh)	20,461	34,438	41,076	-13,977	-40.6	Europe
	Russia	(GWh)	18,087	32,433	39,182	-14,346	-44.2	Russia
	Romania	(GWh)	1,275	1,251	1,227	24	1.9	Romania
	Greece	(GWh)	999	666	577	333	50.0	Greece
	Bulgaria	(GWh)	100	88	91	12	14.0	Bulgaria
	Africa, Asia and Oceania	(GWh)	1,537	1,571	1,508	-34	-2.2	Africa, Asia and Oceania
	South Africa	(GWh)	1,242	1,235	1,192	7	0.5	South Africa
	India	(GWh)	237	303	315	-66	-21.7	India
	Zambia	(GWh)	58	33	-	25	75.8	Zambia
	Total net production	(GWh)	207,108	229,129	250,339	-22,021	-9.6	Enel
	Development of renewables							
	New renewable power⁽²⁾:	(MW)	2,908	3,575	2,682	-667	-18.7	Enel
	Hydroelectric	(MW)	15	51	71	-36	-70.6	Enel
	Wind	(MW)	2,086	2,227	1,415	-141	-6.3	Enel
	Geothermal	(MW)	4	75	1	-71	-94.7	Enel
	Biomass and cogeneration	(MW)	-	-	-	-	-	Enel
	Photovoltaic	(MW)	803	1,222	1,195	-419	-34.3	Enel
	NETWORK							
EU4	Total electricity distribution network⁽³⁾	(km)	2,231,961	2,219,007	2,226,097	12,954	0.6	Enel
	Total high-voltage network	(km)	46,661	46,432	46,261	229	0.5	Enel
	- of which underground cable	(km)	1,992	1,992	1,976	-	-	Enel
	Total medium-voltage network	(km)	894,282	887,439	889,692	6,843	0.8	Enel
	- of which underground cable	(km)	223,507	221,447	219,203	2,060	0.9	Enel
	Total low-voltage network	(km)	1,291,018	1,285,136	1,290,144	5,882	0.5	Enel
	- of which underground cable	(km)	413,636	405,321	403,098	8,315	2.1	Enel
EU4	Electricity distribution network by geographic area							
	Total electricity distribution network Italy	(km)	1,159,859	1,157,527	1,153,323	2,332	0.2	Italy
	High-voltage network	(km)	20	22	13	-2	-10.8	Italy
	- of which underground cable	(km)	11	11	11	-	-	Italy
	Medium-voltage network	(km)	357,799	356,622	354,884	1,177	0.3	Italy
	- of which underground cable	(km)	153,073	151,703	150,201	1,370	0.9	Italy
	Low-voltage network	(km)	802,041	800,883	798,426	1,158	0.1	Italy
	- of which underground cable	(km)	278,936	278,255	276,744	681	0.2	Italy
	Total electricity distribution network Romania	(km)	131,322	129,363	128,508	1,959	1.5	Romania
	High-voltage network	(km)	6,528	6,521	6,511	7	0.1	Romania
	- of which underground cable	(km)	312	311	304	1	0.3	Romania
	Medium-voltage network	(km)	35,630	35,173	35,062	457	1.3	Romania
	- of which underground cable	(km)	13,981	13,675	13,343	306	2.2	Romania
	Low-voltage network	(km)	89,164	87,669	86,935	1,495	1.7	Romania
	- of which underground cable	(km)	27,586	21,004	20,829	6,582	31.3	Romania
	Total electricity distribution network Iberia	(km)	315,365	316,332	319,613	-967	-0.3	Iberia
	High-voltage network	(km)	19,642	19,593	19,625	49	0.2	Iberia
	- of which underground cable	(km)	793	787	787	6	0.8	Iberia
	Medium-voltage network	(km)	114,003	115,943	118,531	-1,940	-1.7	Iberia