



EA Environmental Performance Report 2022

Our Vision: To become a leader in the alternative energy business

Environmental Performance Report 2022 Renewable power business

Energy Consumption

Target long term: Reduce 20% of the non - renewable energy consumption per total renewable energy generated from year 2019

Target short term: Reduce 2% of the non - renewable energy consumption per total renewable energy generated from year 2021

Target 2022: Reduce 2% energy consumption from year 2021

	Unit	2019	2020	2021	2022	Target 2022
Total non - renewable energy consumption	MWh	7,511.44	8,415.96	8,556.50	8,857.45	8,385.37
Total renewable energy consumption	MWh	0	96	96	96	
Total renewable energy generated	MWh	1,389,030.00	1,354,060.00	1,423,320.00	1,319,205.12	
Total non - renewable energy consumption per total renewable energy generated	MWh	0.00540769	0.00621535	0.00601165	0.00671423	0.00589142

Water Consumption

Target long term: Reduce 35% of the water consumption per total renewable energy generated from year 2019

Target short term: Reduce 3% of the water consumption per total renewable energy generated from year 2021

Target 2022: Reduce 3% water consumption from year 2021

	Unit	2019	2020	2021	2022	Target 2022
Withdrawal: Total municipal water supplies	Million cubic meters	0.000891	0.0032450	0.0005110	0.0007080	
Withdrawal: Fresh surface water (lakes, rivers, etc.)	Million cubic meters	0.002335	0.003197	0.018725	0.036907	
Withdrawal: Fresh groundwater	Million cubic meters	0.07220605	0.05584767	0.04009822	0.05015848	
Total water consumption	Million cubic meters	0.07543205	0.06228967	0.05933422	0.08777348	0.05755419
Total water consumption per total renewable energy generated	Cubic meters/MWh	0.00005430	0.00004600	0.00004168	0.00006653	0.00004043

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Waste and Hazardous Waste

Target long term: 1. Increase 10% of the waste recycled/reused from year 2020

2. Increase 10% of the hazardous waste recycled/reused from year 2020

3. Reduce 10% of the waste disposal per total renewable energy generated from year 2020

4. Reduce 10% of the hazardous waste disposal per total renewable energy generated from year 2020

Target short term: 1. Increase 2% of the waste recycled/reused from year 2021

2. Increase 2% of the hazardous waste recycled/reused from year 2021

3. Reduce 2% of the waste disposal per total renewable energy generated from year 2021

4. Reduce 2% of the hazardous waste disposal per total renewable energy generated from year 2021

Target 2022: 1. Reduce 2% waste from year 2021

2. Reduce 2% hazardous waste from year 2021

	Unit	2019	2020	2021	2022	Target 2022
Total waste recycled/reused	metric tonnes	N/A	5.96	8.18	37.91	
Waste disposal	metric tonnes	N/A	78.62	79.68	65.63	78.08
Total hazardous waste recycled/reused	metric tonnes	N/A	9.95	23.22	10.25	
Hazardous waste disposal	metric tonnes	N/A	124.50	18.94	23.87	18.56
Waste disposal per total renewable energy generated	metric tonnes/MWh	N/A	0.0000580624	0.0000559818	0.0000497496	0.0000548622
Hazardous waste disposal per total renewable energy generated	metric tonnes/MWh	N/A	0.0000919457	0.0000133069	0.0000180942	0.0000130408

SF₆ Emission

Target 2022: SF₆ Emission = 0.005 metric tonne

	Unit	2019	2020	2021	2022	Target 2022
SF ₆ Emission	metric tonnes	0.0029	0.0029	0.0002	0.0087	0.005

**SF₆ Emission from gas-insulated switchgear*