

Statistics report

Monthly OECD Electricity Statistics

Next release: 12 May 2021

Data up to January 2021



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MONTHLY ELECTRICITY STATISTICS

January 2021

HIGHLIGHTS

OECD

- In January 2021, total net electricity production in the OECD was 963.2 TWh, 3.3% higher than in January 2020 and 3.4% higher than in December 2020.
- Renewable electricity production was 290.4 TWh, 2.2% higher than in December 2020 and was responsible for 30.1% of total electricity production. Hydropower output was 15.1% of the total electricity mix, at 145.6 TWh, 7.6% higher than in January 2020 and 7.8% higher than in December 2020.
- Conventional thermal production was 532.0 TWh in January 2021, 5.2% higher than in January 2020 and 3.9% higher than in December 2020. Coal power output was 205.5 TWh, 11.0 % higher than in January 2020 and 7.2% higher than in December 2020 and natural gas production was 271.7 TWh, 1.4% higher than in December 2020.

OECD Americas

- Total net production in OECD Americas was 455.4 TWh in January 2021, 1.4% higher than in December 2020. Renewable production was 130.4 TWh, 7.0% higher than in January 2020 and 1.3% higher than in December 2020. Hydropower production was 77.4 TWh, 5.8% higher than in December 2020 and was responsible for 17.0% of total electricity production.
- In Canada, total electricity production was 61.3 TWh in January 2021, 1.2% lower than in January 2020 and 1.0% higher than in December 2020. Hydropower produced 40.2 TWh of electricity or 65.6% of the total power production in January 2021.
- In Colombia, total electricity production was 6.4 TWh in January 2021, up by 0.7% compared to January 2020. Conventional thermal production was 1.8 TWh in January 2021, 22.6% lower than in January 2020 driven by lower coal production at 0.55 TWh, 41.7% lower than in January 2020. Hydro production was 4.6 TWh, up by 14.0% compared to January 2020 and produced 71.5% of total electricity in January 2021

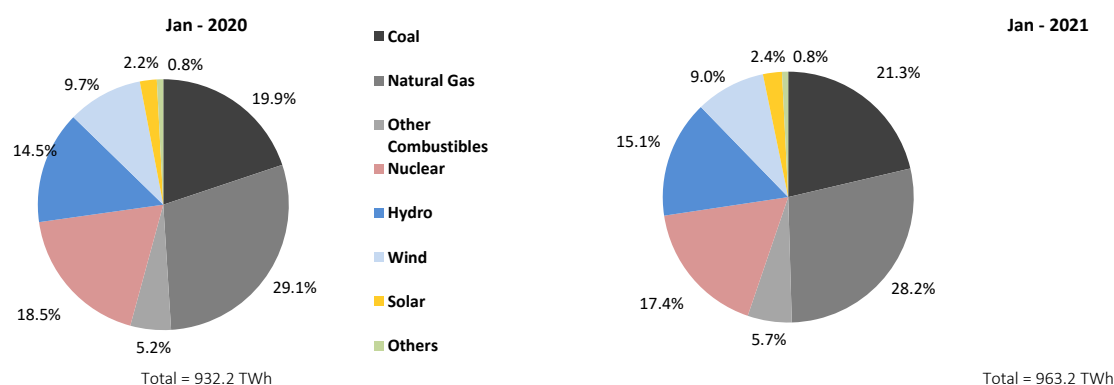
OECD Asia/Oceania

- Total net production was 174.3 TWh in OECD Asia Oceania in January 2021, up by 5.9% compared to January 2020 and by 3.9% compared to December 2020. Renewable power production was 27.4 TWh, up by 13.6% compared to January 2020 and produced 15.7% of total electricity in January 2021.
- In Australia, total renewable production continued increasing in January 2021 reaching 6.3 TWh or 30.3% of total electricity production, driven mainly by increases in wind and solar productions. Wind production was 2.3 TWh, 33.3% higher than in January 2020. Solar production was 2.8 TWh, 31.1% higher in January 2021 compared to January 2020.
- In Korea, total renewable production was 4.3 TWh, up by 60.4% in January 2021 compared to January 2020. This increase was driven mainly by higher combustible renewable production, at 2.0 TWh in January 2021. In Korea, the combustible renewable sector has benefited from subsidies and the share in the mix has increased throughout 2020.

OECD Europe

- In January 2020, OECD Europe produced 333.5 TWh of electricity, up by 2.2% compared to January 2020 and by 5.2% compared to December 2020. Renewables were responsible for 39.8% of the total electricity production, with a total output of 132.7 TWh. Conditions were wetter than average in south-eastern Europe. As a result, hydropower production was 59.4 TWh, 13.5% higher than in January 2020 and amounted for 17.8% of the total mix.
- In Greece, due to wetter than average conditions, hydropower production was 831.4 GWh in January 2021, up by 194.6% compared to January 2020 and 220.1% compared to December 2020. Hydro was responsible for 18.4% of the total electricity production in January 2021, up from an average of 8.3% in 2020.
- Spain was hit by storm Filomena in January 2021. As a result, hydro production was higher than average. Hydropower output was 4.4 TWh in January 2021, 10.5% higher than in January 2020 and 25.0% higher than in December 2020. Hydropower was responsible for 18.0% in January 2021, up from an average of 13.2% in 2020. Wind conditions were favourable because of the storm and wind production was at 7.0 TWh, up by 53.1% compared to January 2020 and responsible for 28.8% of total electricity production.

OECD Electricity Production by Fuel Type Year-to-Date Comparison

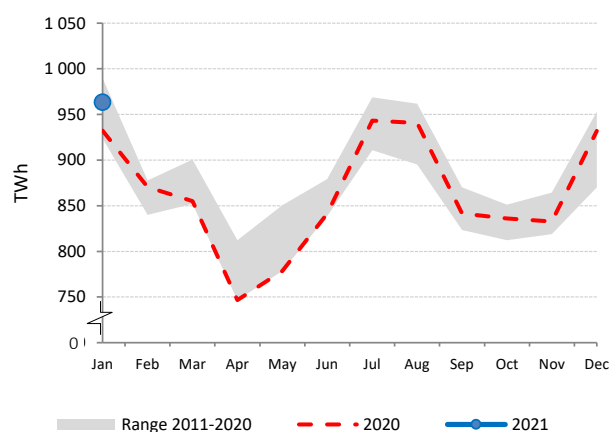


OECD Total

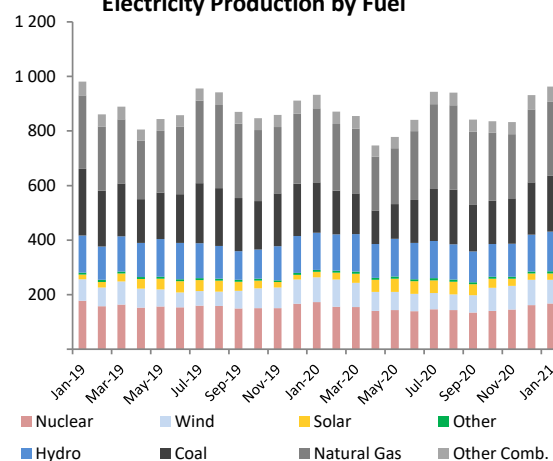
	Jan 2021				2020		
	TWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	532.0	5.2%	3.9%	55.2%	505.6	5,567.3	53.8%
Coal ⁵	205.5	11.0%	7.2%	21.3%	185.1	1,981.4	19.1%
Oil ⁵	17.9	8.4%	-3.7%	1.9%	16.5	168.4	1.6%
Natural Gas ⁵	271.7	0.0%	1.4%	28.2%	271.7	3,047.5	29.4%
Combustible Renewables ⁵	29.9	10.7%	2.3%	3.1%	27.0	304.0	2.9%
Other Combustibles ⁵	7.0	34.0%	57.3%	0.7%	5.2	66.0	0.6%
Nuclear	167.6	-3.0%	3.4%	17.4%	172.8	1,778.7	17.2%
Hydro	145.6	7.6%	7.8%	15.1%	135.3	1,556.4	15.0%
Wind	86.8	-4.0%	-6.5%	9.0%	90.5	923.8	8.9%
Solar	23.5	16.1%	4.1%	2.4%	20.3	435.0	4.2%
Geothermal	4.4	1.9%	-0.9%	0.5%	4.3	50.1	0.5%
Other Renewables	0.1	29.5%	1.5%	0.0%	0.1	1.1	0.0%
Non-Specified	3.1	-7.0%	4.2%	0.3%	3.4	37.9	0.4%
RENEWABLES	290.4	4.7%	2.2%	30.1%	277.5	3,270.4	31.6%
NON-RENEWABLES	672.8	2.8%	3.9%	69.9%	654.7	7,080.0	68.4%
TOTAL NET PRODUCTION	963.2	3.3%	3.4%		932.2	10,350.4	
+ Imports	46.1	0.7%	3.8%		45.8	486.8	
- Exports	45.3	-2.5%	-2.6%		46.4	507.5	
= ELECTRICITY SUPPLIED	964.0	3.5%	3.7%		931.5	10,329.7	
- Used for pumped storage ⁴	7.2	8.5%	-6.2%		6.6	87.9	
- T&D Losses ⁴	57.2	2.7%	-2.5%		55.7	610.8	
= ELECTRICITY CONSUMED	899.7	3.5%	4.2%		869.2	9,631.0	

¹ current month to month of last year change⁴ estimated for certain countries² month-to-month change⁵ the breakdown of conventional thermal is estimated from annual data for Canada, Estonia and Italy

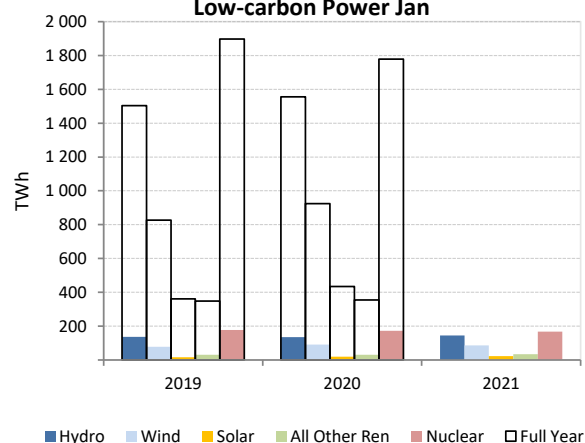
Electricity Production



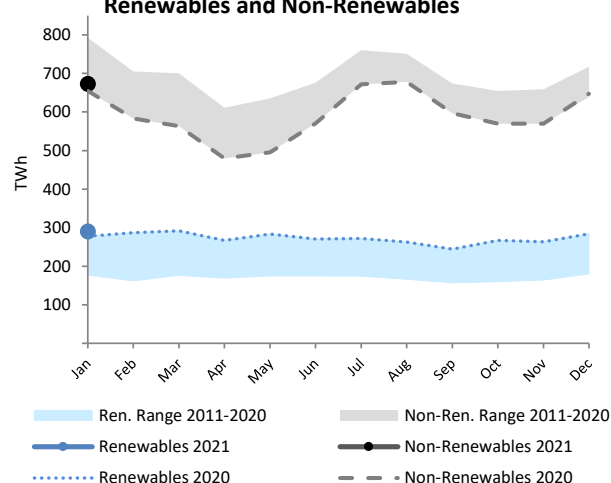
Electricity Production by Fuel



Low-carbon Power Jan



Renewables and Non-Renewables

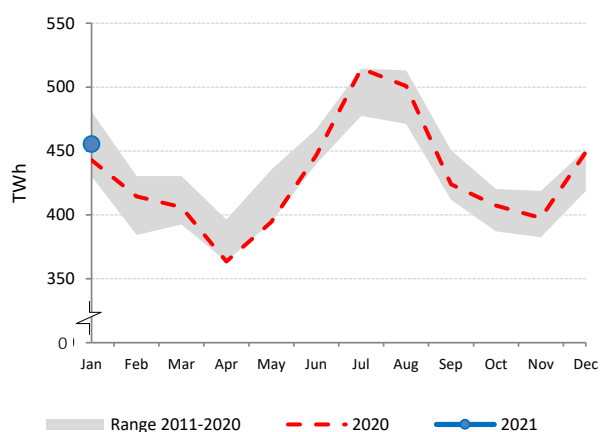


OECD Americas

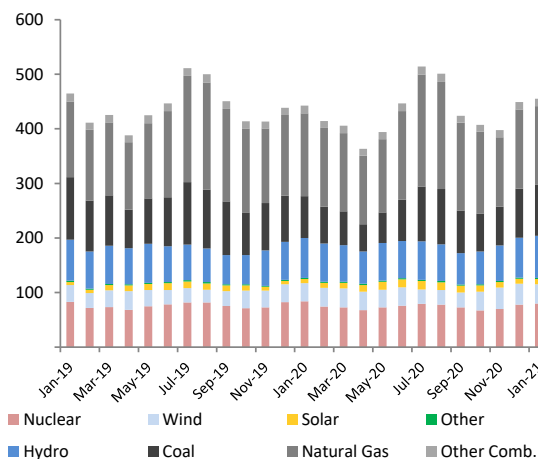
	Jan 2021				2020		
	TWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	251.2	3.4%	1.1%	55.2%	242.9	2,907.3	56.3%
Coal ⁵	92.9	20.6%	3.8%	20.4%	77.0	898.8	17.4%
Oil ⁵	6.3	-4.7%	-2.1%	1.4%	6.6	78.3	1.5%
Natural Gas ⁵	144.7	-4.7%	-0.4%	31.8%	151.8	1,846.4	35.8%
Combustible Renewables ⁵	6.4	-1.9%	0.0%	1.4%	6.6	73.1	1.4%
Other Combustibles ⁵	0.9	-2.1%	-3.8%	0.2%	0.9	10.7	0.2%
Nuclear	79.9	-5.1%	2.6%	17.5%	84.2	893.7	17.3%
Hydro	77.4	5.8%	5.8%	17.0%	73.1	799.6	15.5%
Wind	35.3	6.7%	-8.0%	7.7%	33.0	393.5	7.6%
Solar	9.6	28.6%	5.5%	2.1%	7.5	141.4	2.7%
Geothermal	1.7	4.4%	-2.1%	0.4%	1.7	20.8	0.4%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	0.4	13.2%	-5.8%	0.1%	0.3	4.3	0.1%
RENEWABLES	130.4	7.0%	1.3%	28.6%	121.8	1,428.4	27.7%
NON-RENEWABLES	325.1	1.3%	1.5%	71.4%	320.9	3,732.2	72.3%
TOTAL NET PRODUCTION	455.4	2.9%	1.4%		442.8	5,160.6	
+ Imports	6.4	6.8%	15.3%		6.0	71.5	
- Exports	7.6	12.3%	-3.1%		6.7	92.8	
= ELECTRICITY SUPPLIED	454.3	2.8%	1.7%		442.0	5,139.3	
- Used for pumped storage ⁴	1.8	-6.6%	-2.2%		2.0	26.7	
- T&D Losses ⁴	25.1	2.2%	-9.7%		24.6	295.0	
= ELECTRICITY CONSUMED	427.3	2.8%	2.4%		415.5	4,817.7	

¹ current month to month of last year change⁴ estimated for certain countries² month-to-month change⁵ the breakdown of conventional thermal is estimated from annual data for Canada

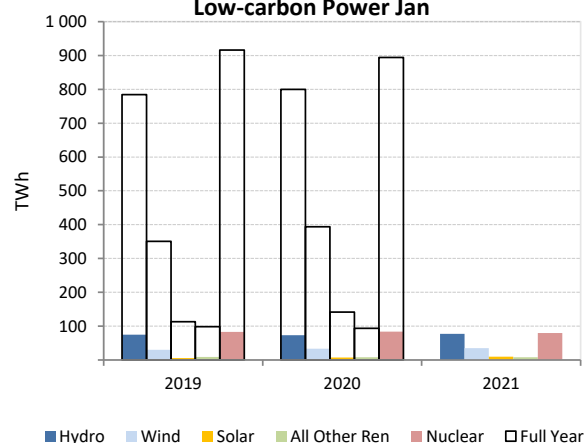
Electricity Production



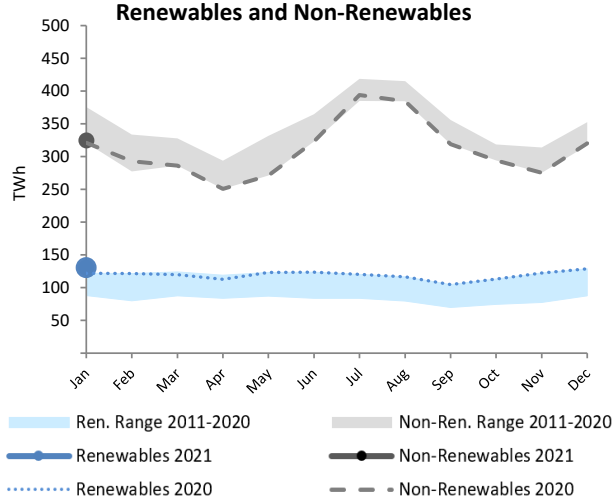
Electricity Production by Fuel



Low-carbon Power Jan



Renewables and Non-Renewables

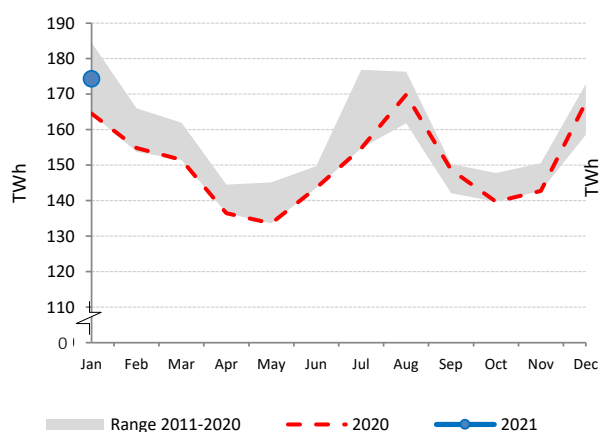


OECD Asia Oceania

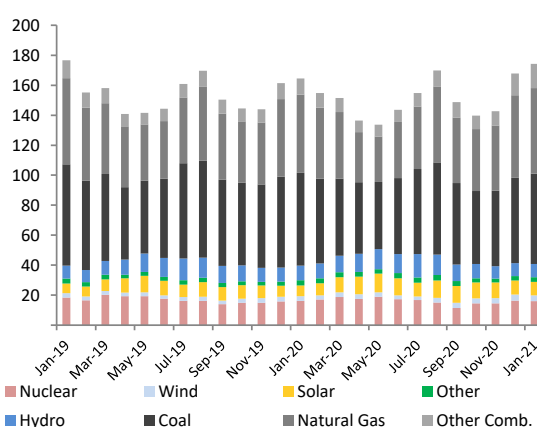
	Jan 2021				2020		
	TWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	133.4	6.9%	5.6%	76.6%	124.8	1,279.0	70.7%
Coal	60.2	-2.7%	5.8%	34.6%	61.9	641.4	35.5%
Oil	8.0	35.2%	-5.3%	4.6%	5.9	48.1	2.7%
Natural Gas	56.9	9.4%	3.4%	32.7%	52.0	521.2	28.8%
Combustible Renewables	4.7	52.4%	-0.3%	2.7%	3.1	38.5	2.1%
Other Combustibles	3.6	82.7%	194.1%	2.1%	2.0	29.8	1.6%
Nuclear	15.9	-1.2%	-2.8%	9.2%	16.1	194.5	10.8%
Hydro	8.9	-9.7%	2.7%	5.1%	9.8	135.3	7.5%
Wind	3.9	24.3%	-5.6%	2.2%	3.1	37.4	2.1%
Solar	9.0	25.2%	-2.6%	5.1%	7.2	123.3	6.8%
Geothermal	0.9	4.0%	1.3%	0.5%	0.9	10.2	0.6%
Other Renewables	0.1	59.9%	2.5%	0.0%	0.0	0.6	0.0%
Non-Specified	2.2	-13.2%	7.5%	1.3%	2.5	27.8	1.5%
RENEWABLES	27.4	13.6%	-0.9%	15.7%	24.1	345.3	19.1%
NON-RENEWABLES	146.9	4.6%	4.8%	84.3%	140.5	1,462.7	80.9%
TOTAL NET PRODUCTION	174.3	5.9%	3.9%		164.6	1,808.0	
+ Imports	-	-	-		-	-	
- Exports	-	-	-		-	-	
= ELECTRICITY SUPPLIED	174.3	5.9%	3.9%		164.6	1,808.0	
- Used for pumped storage ⁴	1.5	37.1%	-11.5%		1.1	16.6	
- T&D Losses ⁴	7.4	5.2%	3.6%		7.1	77.6	
= ELECTRICITY CONSUMED	165.3	5.7%	4.1%		156.4	1,713.7	

¹ current month to month of last year change⁴ estimated for certain countries² month-to-month change

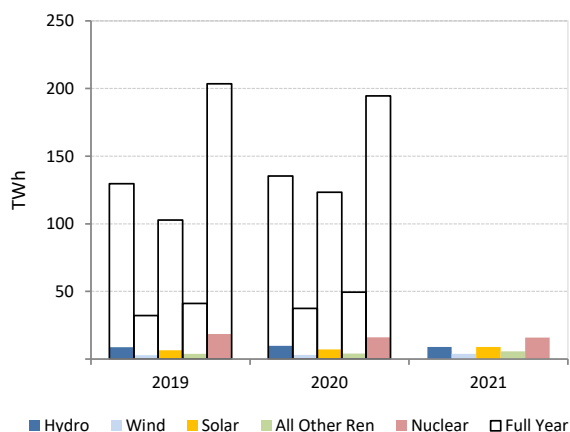
Electricity Production



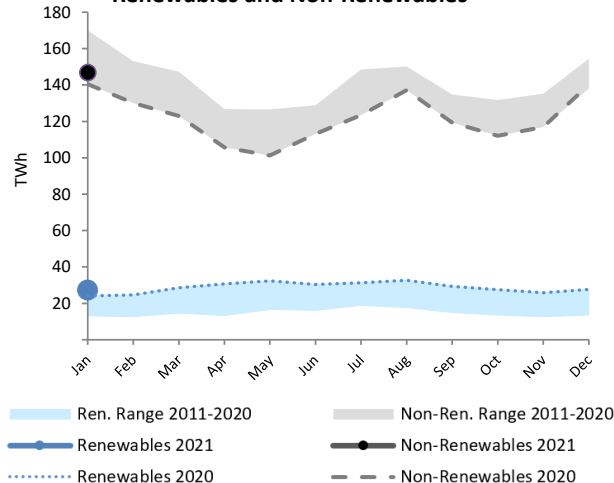
Electricity Production by Fuel



Low-carbon Power Jan



Renewables and Non-Renewables

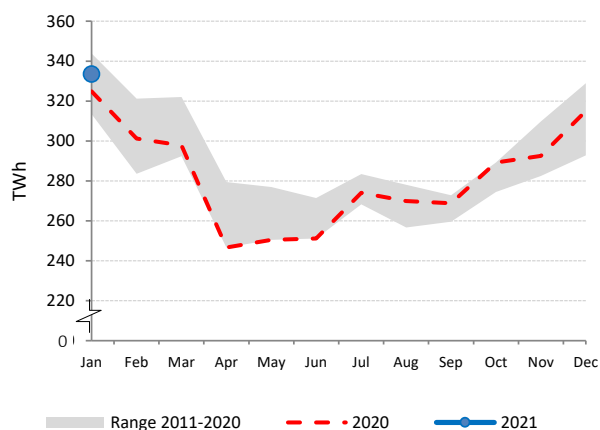


OECD Europe

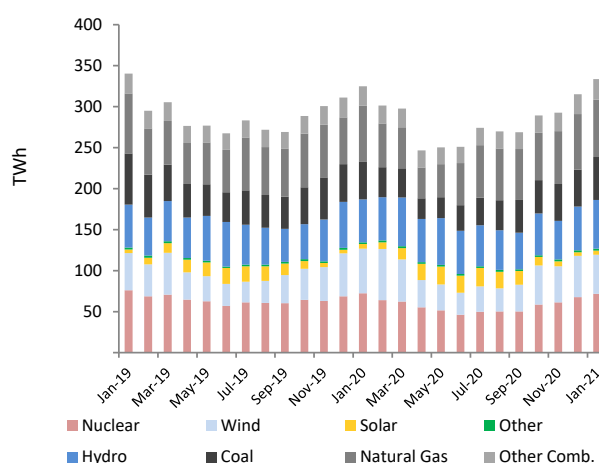
	Jan 2021				2020		
	TWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	147.4	6.9%	7.6%	44.2%	137.8	1,381.1	40.8%
Coal ⁵	52.4	13.4%	15.7%	15.7%	46.2	441.2	13.0%
Oil ⁵	3.6	-9.9%	-3.0%	1.1%	4.0	42.0	1.2%
Natural Gas ⁵	70.1	3.2%	3.7%	21.0%	67.9	680.0	20.1%
Combustible Renewables ⁵	18.8	8.2%	3.9%	5.7%	17.4	192.3	5.7%
Other Combustibles ⁵	2.5	7.2%	9.2%	0.7%	2.3	25.5	0.8%
Nuclear	71.8	-0.9%	5.9%	21.5%	72.4	690.5	20.4%
Hydro	59.4	13.5%	11.5%	17.8%	52.4	621.5	18.4%
Wind	47.7	-12.2%	-5.4%	14.3%	54.3	492.9	14.6%
Solar	5.0	-12.0%	15.2%	1.5%	5.7	170.3	5.0%
Geothermal	1.7	-1.6%	-0.8%	0.5%	1.7	19.1	0.6%
Other Renewables	0.0	-	-	0.0%	0.0	0.5	0.0%
Non-Specified	0.5	11.5%	-1.0%	0.2%	0.5	5.8	0.2%
RENEWABLES	132.7	0.9%	3.7%	39.8%	131.5	1,496.7	44.3%
NON-RENEWABLES	200.8	3.9%	7.3%	60.2%	193.3	1,885.0	55.7%
TOTAL NET PRODUCTION	333.5	2.7%	5.9%		324.9	3,381.8	
+ Imports	39.7	-0.2%	2.1%		39.8	415.3	
- Exports	37.7	-5.0%	-2.5%		39.7	414.7	
= ELECTRICITY SUPPLIED	335.5	3.3%	6.4%		324.9	3,382.3	
- Used for pumped storage ⁴	3.8	7.8%	-5.8%		3.6	44.6	
- T&D Losses ⁴	24.6	2.5%	4.2%		24.1	238.1	
= ELECTRICITY CONSUMED	307.0	3.3%	6.8%		297.3	3,099.6	

¹ current month to month of last year change⁴ estimated for certain countries² month-to-month change⁵ the breakdown of conventional thermal is estimated from annual data for Estonia and Italy

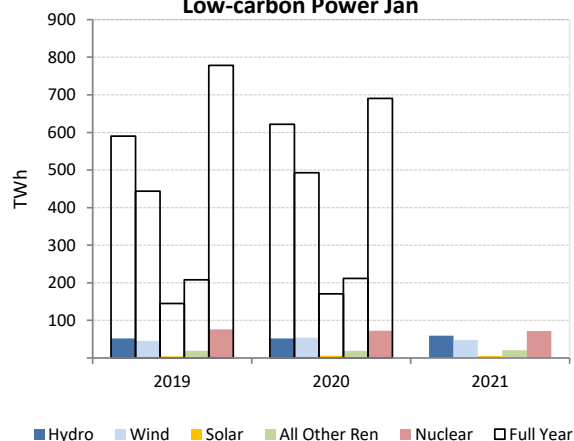
Electricity Production



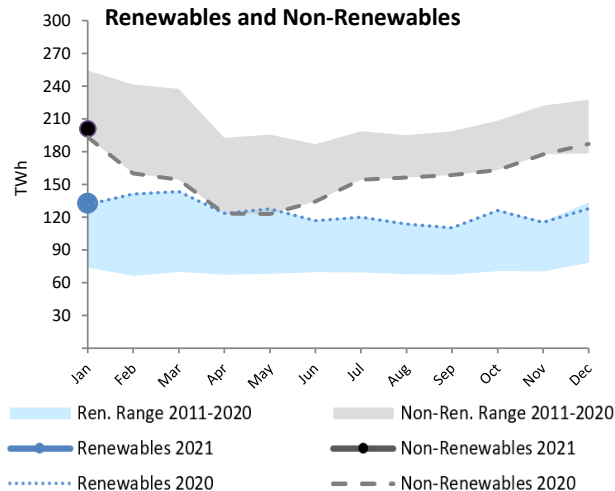
Electricity Production by Fuel



Low-carbon Power Jan



Renewables and Non-Renewables

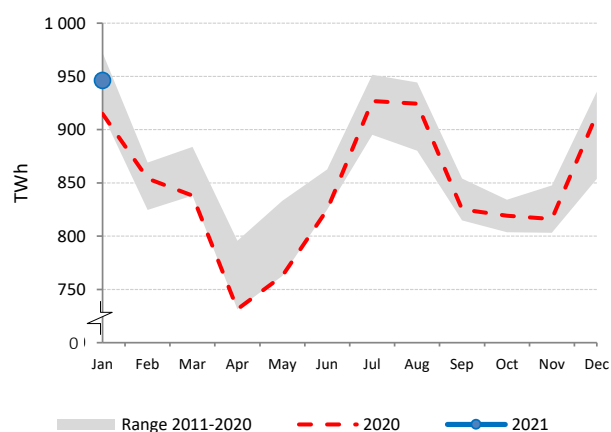


IEA Total

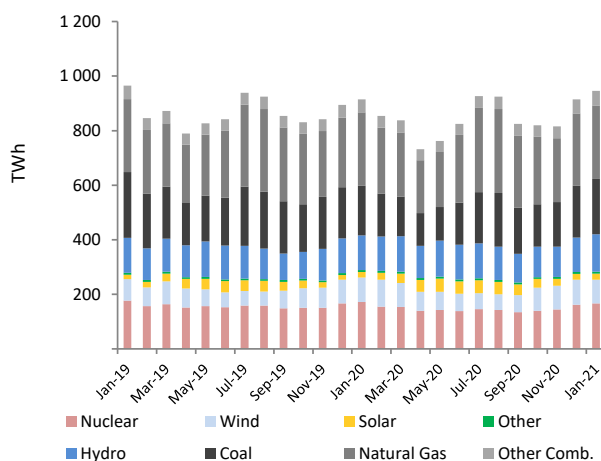
	Jan 2021				2020		
	TWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	525.6	5.4%	3.9%	55.6%	498.7	5,487.7	54.1%
Coal ⁵	202.5	11.3%	7.2%	21.4%	181.9	1,944.9	19.2%
Oil ⁵	17.4	7.7%	-4.6%	1.8%	16.2	162.7	1.6%
Natural Gas ⁵	269.5	0.2%	1.4%	28.5%	269.1	3,017.3	29.7%
Combustible Renewables ⁵	29.3	10.9%	2.3%	3.1%	26.4	296.9	2.9%
Other Combustibles ⁵	7.0	34.1%	57.5%	0.7%	5.2	65.9	0.6%
Nuclear	167.1	-3.0%	3.4%	17.7%	172.3	1,772.7	17.5%
Hydro	137.4	7.9%	9.0%	14.5%	127.4	1,465.1	14.4%
Wind	86.2	-4.1%	-6.4%	9.1%	89.9	916.6	9.0%
Solar	22.6	15.5%	4.3%	2.4%	19.6	427.0	4.2%
Geothermal	3.8	3.0%	-0.9%	0.4%	3.7	44.2	0.4%
Other Renewables	0.1	29.5%	1.5%	0.0%	0.1	1.1	0.0%
Non-Specified	3.1	-6.9%	4.2%	0.3%	3.3	37.7	0.4%
RENEWABLES	279.5	4.6%	2.6%	29.5%	267.1	3,150.9	31.0%
NON-RENEWABLES	666.6	2.9%	3.8%	70.5%	647.9	7,001.2	69.0%
TOTAL NET PRODUCTION	946.0	3.4%	3.5%		915.0	10,152.1	
+ Imports	43.9	1.3%	3.3%		43.3	462.2	
- Exports	43.9	-2.6%	-3.0%		45.1	491.8	
= ELECTRICITY SUPPLIED	946.0	3.6%	3.8%		913.2	10,122.5	
- Used for pumped storage ⁴	7.1	8.2%	-6.1%		6.5	86.4	
- T&D Losses ⁴	55.8	2.7%	-2.7%		54.4	596.7	
= ELECTRICITY CONSUMED	883.1	3.6%	4.3%		852.3	9,439.3	

¹ current month to month of last year change⁴ estimated for certain countries² month-to-month change⁵ the breakdown of conventional thermal is estimated from annual data for Canada, Estonia, and Italy

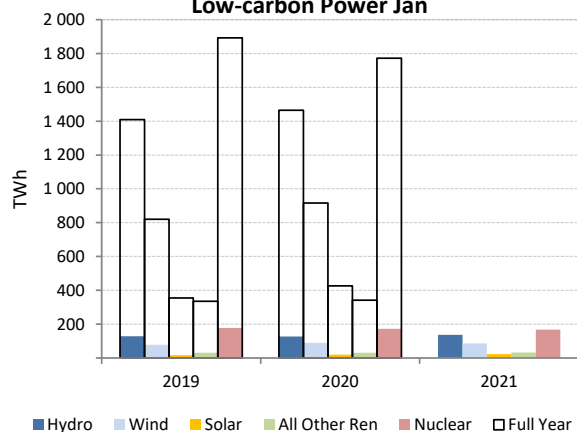
Electricity Production



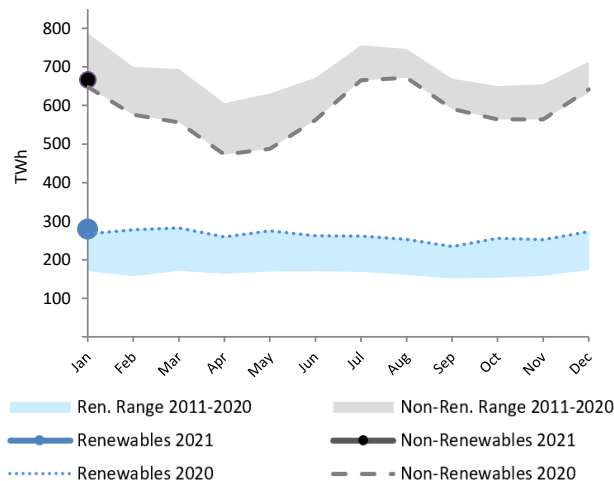
Electricity Production by Fuel



Low-carbon Power Jan



Renewables and Non-Renewables

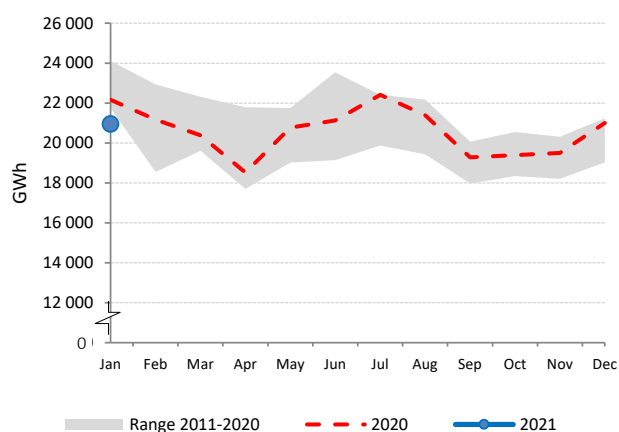


AUSTRALIA

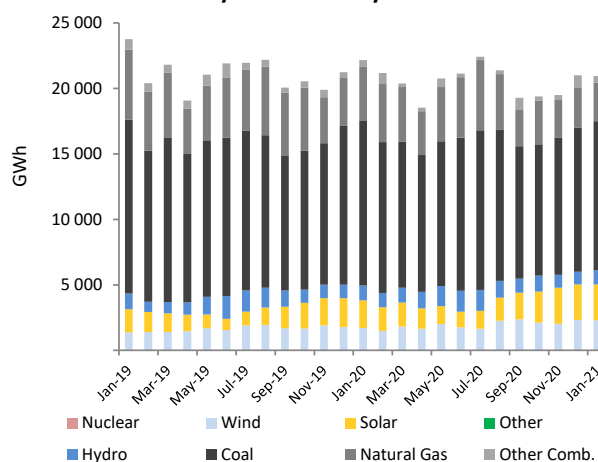
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	14,826.3	-13.9%	-1.2%	70.8%	17,219.2	186,245.9	75.4%
Coal	11,372.4	-9.9%	3.1%	54.3%	12,619.1	133,892.4	54.2%
Oil	299.9	16.2%	-56.6%	1.4%	258.1	3,099.6	1.3%
Natural Gas	2,935.6	-28.5%	-4.2%	14.0%	4,106.6	46,520.8	18.8%
Combustible Renewables	218.4	-7.2%	-3.5%	1.0%	235.4	2,733.1	1.1%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	1,083.3	-4.1%	12.9%	5.2%	1,130.1	14,886.7	6.0%
Wind	2,290.7	33.3%	-1.4%	10.9%	1,719.0	23,153.1	9.4%
Solar	2,750.5	31.1%	1.4%	13.1%	2,097.4	22,830.5	9.2%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	6,342.8	22.4%	1.9%	30.3%	5,181.9	63,603.4	25.7%
NON-RENEWABLES	14,607.9	-14.0%	-1.2%	69.7%	16,983.9	183,512.8	74.3%
TOTAL NET PRODUCTION	20,950.7	-5.5%	-0.3%		22,165.7	247,116.2	
+ Imports	-	-	-		-	-	
- Exports	-	-	-		-	-	
= ELECTRICITY SUPPLIED	20,950.7	-5.5%	-0.3%		22,165.7	247,116.2	
- Used for pumped storage ⁴	42.1	-4.1%	12.9%		44.0	579.0	
- T&D Losses ⁴	1,085.0	-5.5%	-0.3%		1,148.0	12,798.1	
= ELECTRICITY CONSUMED	19,823.5	-5.5%	-0.3%		20,973.8	233,739.1	

¹ current month to month of last year change⁴ estimated² month-to-month change

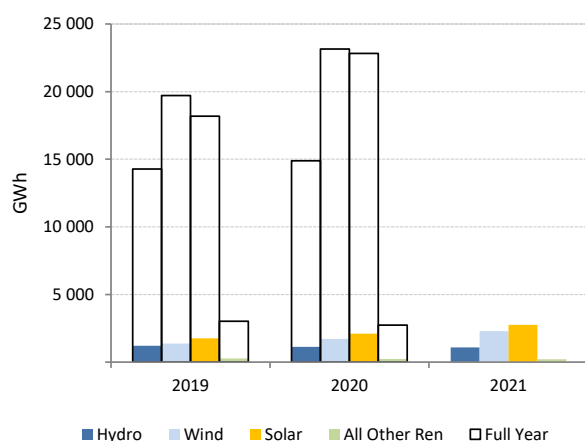
Electricity Production



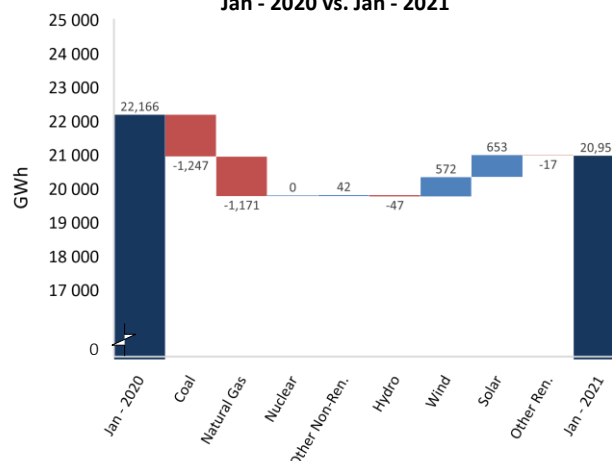
Electricity Production by Fuel



Low-carbon Power Jan



Electricity Production Variation Jan - 2020 vs. Jan - 2021

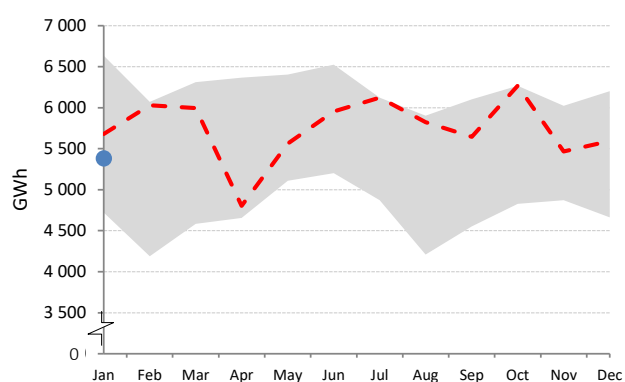


AUSTRIA

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	2,318.4	-14.9%	0.3%	43.1%	2,725.0	18,122.6	26.3%
Coal	172.8	-42.6%	-1.4%	3.2%	300.9	2,228.3	3.2%
Oil	53.4	-8.1%	-4.8%	1.0%	58.1	654.9	0.9%
Natural Gas	1,551.8	-17.2%	1.8%	28.8%	1,873.9	9,646.3	14.0%
Combustible Renewables	486.1	11.8%	-3.4%	9.0%	434.8	5,032.0	7.3%
Other Combustibles	54.3	-5.2%	2.4%	1.0%	57.3	561.1	0.8%
Nuclear	-	-	-	-	-	-	-
Hydro	2,438.1	-2.0%	-7.1%	45.3%	2,488.1	42,520.5	61.7%
Wind	566.9	37.6%	-7.2%	10.5%	412.0	6,661.8	9.7%
Solar⁴	55.3	-	18.1%	1.0%	55.3	1,630.3	2.4%
Geothermal	0.0	-	-	0.0%	0.0	0.2	0.0%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	0.7	-4.6%	-4.5%	0.0%	0.8	13.7	0.0%
RENEWABLES	3,546.4	4.6%	-6.3%	65.9%	3,390.2	55,844.7	81.0%
NON-RENEWABLES	1,833.1	-20.0%	1.3%	34.1%	2,290.9	13,104.3	19.0%
TOTAL NET PRODUCTION	5,379.5	-5.3%	-3.8%		5,681.2	68,949.1	
+ Imports	2,893.2	-5.0%	4.5%		3,046.6	24,522.5	
- Exports	1,537.4	-21.4%	-10.1%		1,956.8	22,326.7	
= ELECTRICITY SUPPLIED	6,735.3	-0.5%	1.2%		6,771.0	71,144.9	
- Used for pumped storage	390.9	12.1%	2.6%		348.8	4,818.7	
- T&D Losses	314.7	-4.8%	3.4%		330.7	3,192.0	
= ELECTRICITY CONSUMED	6,029.6	-1.0%	1.0%		6,091.5	63,134.1	

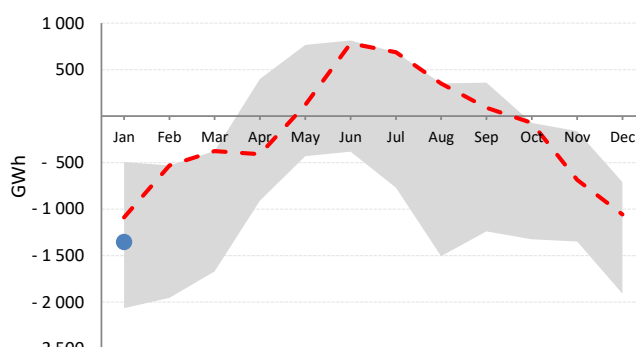
¹ current month to month of last year change⁴ estimated by the IEA secretariat² month-to-month change

Electricity Production



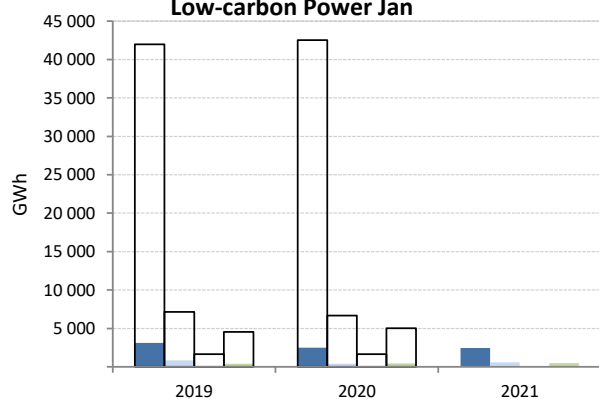
Range 2011-2020 - - - 2020 ●- 2021

Net Electricity Exports



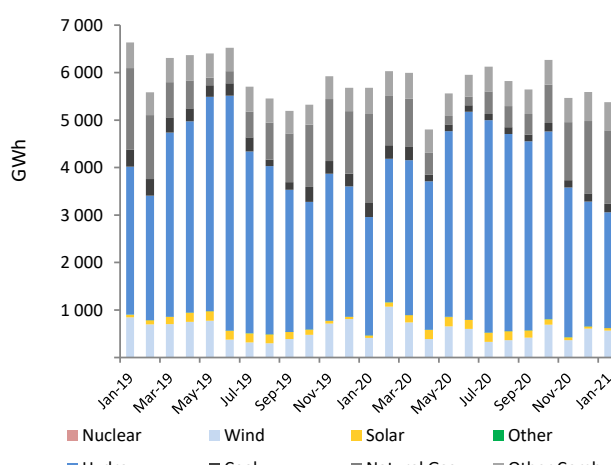
Range 2011-2020 - - - 2020 ●- 2021

Low-carbon Power Jan



Hydro Wind Solar All Other Ren Full Year

Electricity Production by Fuel

Nuclear Wind Solar Other
Coal Gas Oil Biomass

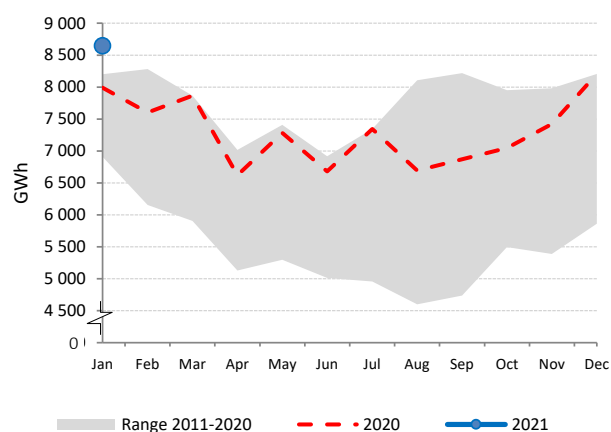
BELGIUM

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 1	Jan 21 vs. Dec 20 2	share	January	Annual	share
CONVENTIONAL THERMAL	3,265.5	-3.0%	-0.4%	37.8%	3,367.5	34,773.3	39.7%
Coal	100.1	-48.5%	21.5%	1.2%	194.5	1,757.5	2.0%
Oil	10.6	95.8%	-29.9%	0.1%	5.4	80.6	0.1%
Natural Gas	2,623.0	2.1%	0.8%	30.3%	2,568.2	26,639.5	30.4%
Combustible Renewables	427.9	-14.9%	-8.5%	4.9%	503.0	5,073.1	5.8%
Other Combustibles	103.9	7.8%	-7.3%	1.2%	96.3	1,222.6	1.4%
Nuclear	3,873.0	26.8%	18.7%	44.8%	3,054.7	32,604.9	37.2%
Hydro	141.2	0.3%	5.4%	1.6%	140.8	1,285.9	1.5%
Wind	1,228.3	-4.5%	-13.7%	14.2%	1,286.1	12,778.8	14.6%
Solar	119.3	5.8%	32.9%	1.4%	112.8	5,886.4	6.7%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	18.0	-33.0%	17.7%	0.2%	26.8	293.8	0.3%
RENEWABLES	1,916.7	-6.2%	-9.4%	22.2%	2,042.8	25,024.2	28.6%
NON-RENEWABLES	6,728.5	13.2%	10.5%	77.8%	5,946.0	62,599.0	71.4%
TOTAL NET PRODUCTION	8,645.2	8.2%	5.4%		7,988.7	87,623.2	
+ Imports	1,771.4	46.1%	23.2%		1,212.7	13,721.8	
- Exports	2,060.7	116.7%	21.5%		951.1	14,054.7	
= ELECTRICITY SUPPLIED	8,355.9	1.3%	5.1%		8,250.3	87,290.3	
- Used for pumped storage	126.8	0.3%	-5.5%		126.3	1,396.0	
- T&D Losses	342.3	1.6%	5.6%		336.9	3,533.8	
= ELECTRICITY CONSUMED	7,886.8	1.3%	5.3%		7,787.1	82,360.5	

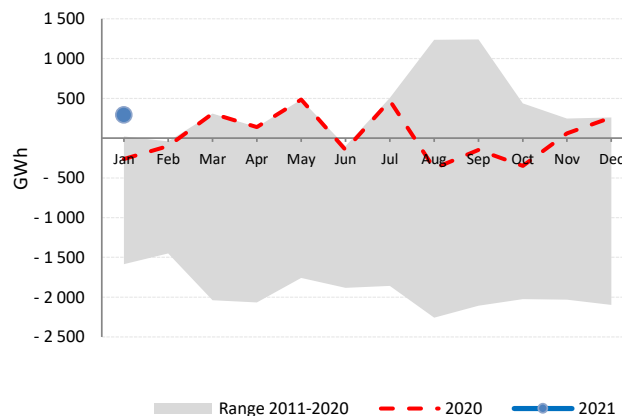
¹ current month to month of last year change

² month-to-month change

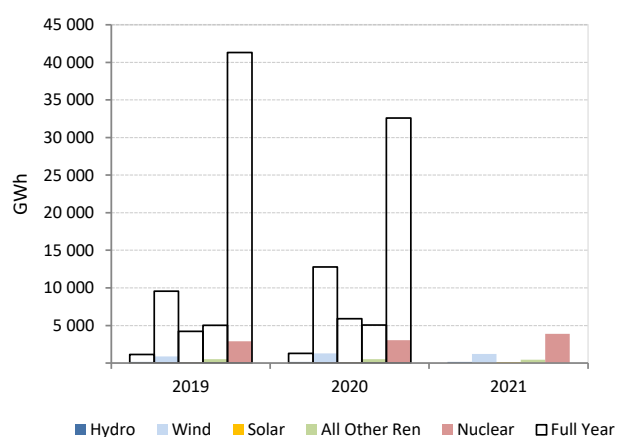
Electricity Production



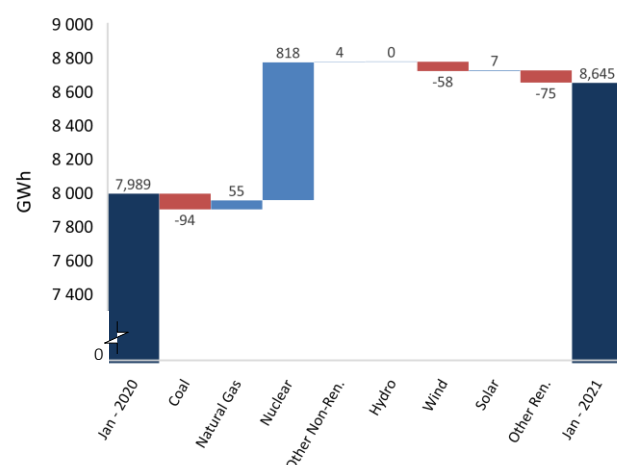
Net Electricity Exports



Low-carbon Power Jan



Electricity Production Variation Jan - 2020 vs. Jan - 2021

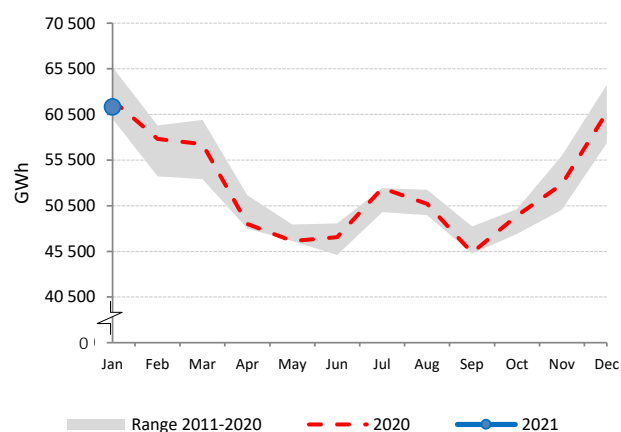


CANADA

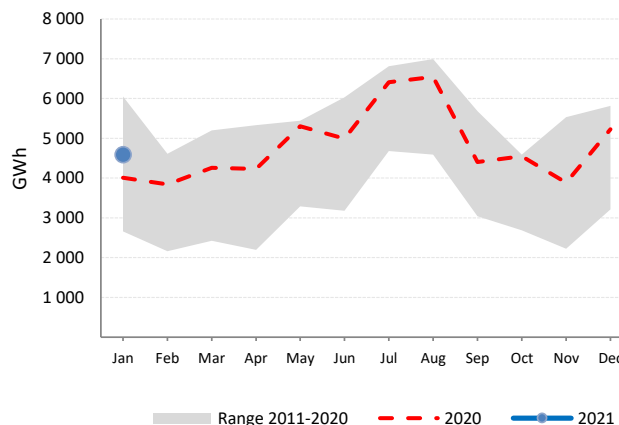
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	10,203.1	-9.2%	-3.9%	16.6%	11,240.8	113,229.1	18.0%
Coal ⁴	3,778.9	-9.2%	-3.9%	6.2%	4,163.3	41,937.0	6.6%
Oil ⁴	477.7	-9.2%	-3.9%	0.8%	526.3	5,301.2	0.8%
Natural Gas ⁴	5,105.7	-9.2%	-3.9%	8.3%	5,625.0	56,660.5	9.0%
Combustible Renewables ⁴	833.5	-9.2%	-3.9%	1.4%	918.3	9,249.8	1.5%
Other Combustibles ⁴	7.3	-9.2%	-3.9%	0.0%	8.0	80.7	0.0%
Nuclear	7,699.6	-13.5%	5.1%	12.6%	8,897.6	92,644.5	14.7%
Hydro	40,200.4	3.5%	4.4%	65.6%	38,843.6	383,107.9	60.7%
Wind	3,067.1	3.7%	-26.1%	5.0%	2,958.1	37,407.0	5.9%
Solar	148.7	25.4%	17.9%	0.2%	118.5	4,380.1	0.7%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	44,249.8	3.3%	1.4%	72.2%	42,838.5	434,144.7	68.8%
NON-RENEWABLES	17,069.2	-11.2%	0.0%	27.8%	19,220.1	196,623.8	31.2%
TOTAL NET PRODUCTION	61,318.9	-1.2%	1.0%		62,058.6	630,768.6	
+ Imports	842.5	-18.8%	21.6%		1,037.4	9,495.3	
- Exports	5,429.6	7.6%	-8.2%		5,047.4	67,154.5	
= ELECTRICITY SUPPLIED	56,731.9	-2.3%	2.2%		58,048.6	573,109.4	
- Used for pumped storage ⁴	22.3	3.5%	4.4%		21.6	212.8	
- T&D Losses ⁴	3,333.0	-1.5%	1.2%		3,383.1	34,329.8	
= ELECTRICITY CONSUMED	53,376.6	-2.3%	2.3%		54,643.9	538,566.9	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change

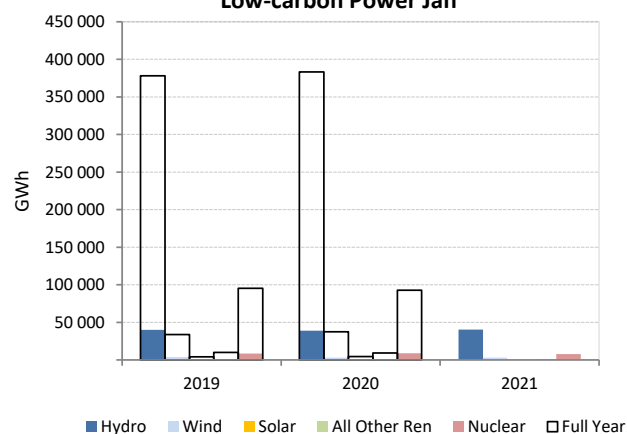
Electricity Production



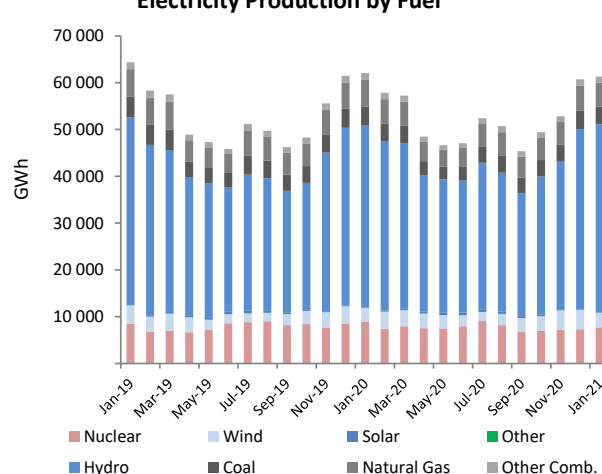
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

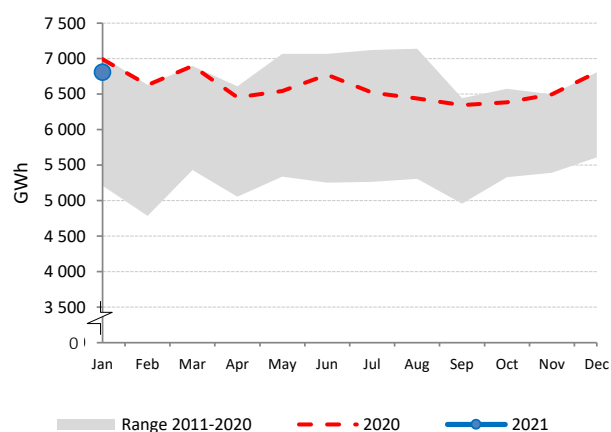


CHILE

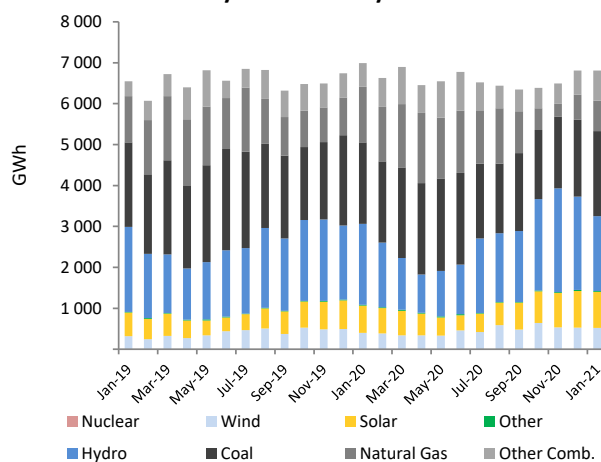
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	3,555.3	-9.5%	15.4%	52.2%	3,928.1	45,835.6	57.8%
Coal	2,076.5	4.3%	10.5%	30.5%	1,991.4	23,692.7	29.9%
Oil	383.6	68.0%	57.7%	5.6%	228.3	3,816.7	4.8%
Natural Gas	746.6	-44.9%	22.5%	11.0%	1,354.8	14,056.1	17.7%
Combustible Renewables	348.6	-1.4%	0.2%	5.1%	353.5	4,270.2	5.4%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	1,827.3	-7.7%	-19.8%	26.8%	1,980.3	20,370.1	25.7%
Wind	521.0	30.4%	-0.7%	7.7%	399.5	5,445.9	6.9%
Solar	883.8	32.8%	-1.7%	13.0%	665.4	7,395.8	9.3%
Geothermal	19.7	7.0%	-24.3%	0.3%	18.4	243.3	0.3%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	3,600.3	5.4%	-11.7%	52.9%	3,417.0	37,725.3	47.6%
NON-RENEWABLES	3,206.7	-10.3%	17.4%	47.1%	3,574.6	41,565.5	52.4%
TOTAL NET PRODUCTION	6,807.0	-2.6%	0.0%		6,991.6	79,290.8	
+ Imports	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-
= ELECTRICITY SUPPLIED	6,807.0	-2.6%	0.0%		6,991.6	79,290.8	
- Used for pumped storage	-	-	-	-	-	-	-
- T&D Losses	307.1	-3.3%	-1.0%		317.6	3,572.2	
= ELECTRICITY CONSUMED	6,499.9	-2.6%	0.0%		6,674.1	75,718.5	

¹ current month to month of last year change² month-to-month change

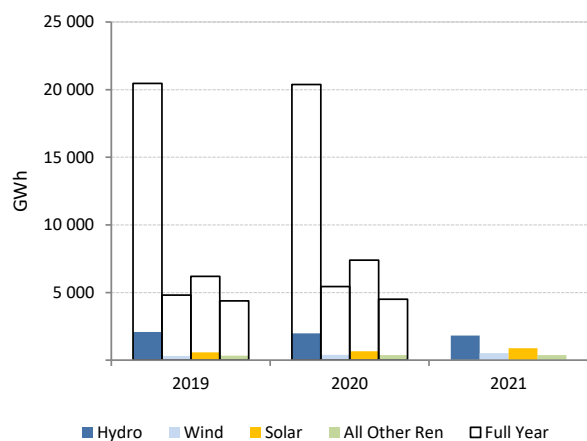
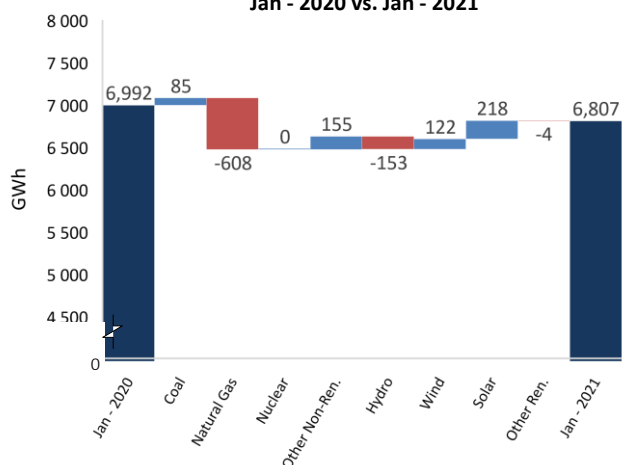
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

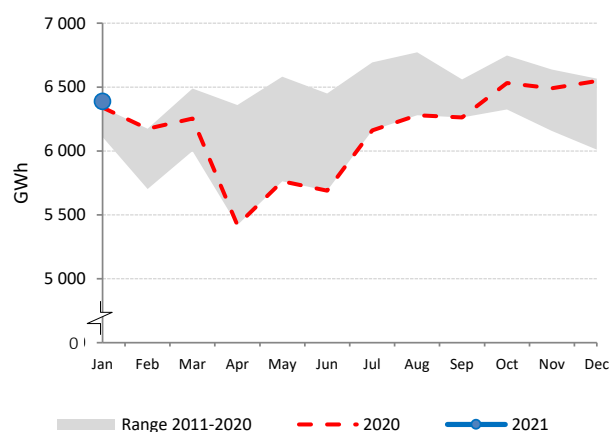
Electricity Production Variation
Jan - 2020 vs. Jan - 2021

COLOMBIA

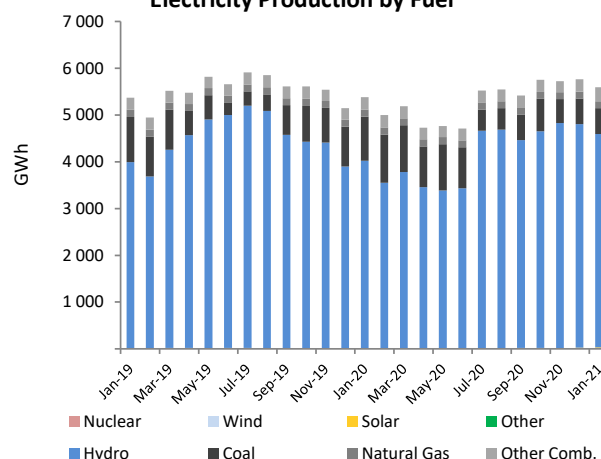
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL⁴	1,793.8	-22.6%	3.1%	28.1%	2,318.8	24,173.7	32.7%
Coal ⁴	552.3	-41.7%	1.8%	8.6%	946.5	8,914.3	12.1%
Oil ⁴	151.4	1.0%	0.1%	2.4%	150.0	1,809.7	2.4%
Natural Gas ⁴	942.4	-15.0%	1.1%	14.8%	1,108.7	12,217.5	16.5%
Combustible Renewables ⁵	147.7	30.0%	29.6%	2.3%	113.6	1,232.2	1.7%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	4,563.3	14.0%	-4.6%	71.5%	4,004.1	49,538.3	67.0%
Wind	4.1	729.7%	28.7%	0.1%	0.5	9.5	0.0%
Solar	25.1	61.4%	9.4%	0.4%	15.6	190.8	0.3%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	4,740.2	14.7%	-3.7%	74.2%	4,133.7	50,970.8	69.0%
NON-RENEWABLES	1,646.2	-25.3%	1.3%	25.8%	2,205.2	22,941.5	31.0%
TOTAL NET PRODUCTION	6,386.3	0.7%	-2.5%		6,338.9	73,912.3	
+ Imports	3.0	-97.6%	-		126.7	1,296.3	
- Exports	0.2	-	-		-	-	
= ELECTRICITY SUPPLIED	6,389.1	-1.2%	-2.4%		6,465.6	75,208.7	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses	724.2	7.2%	5.9%		675.5	7,857.0	
= ELECTRICITY CONSUMED	5,664.9	-2.2%	-3.4%		5,790.1	67,351.7	

¹ current month to month of last year change² month-to-month change⁴ Distributed generation for conventional thermal is estimated by the IEA Secretariat⁵ estimated based on annual data

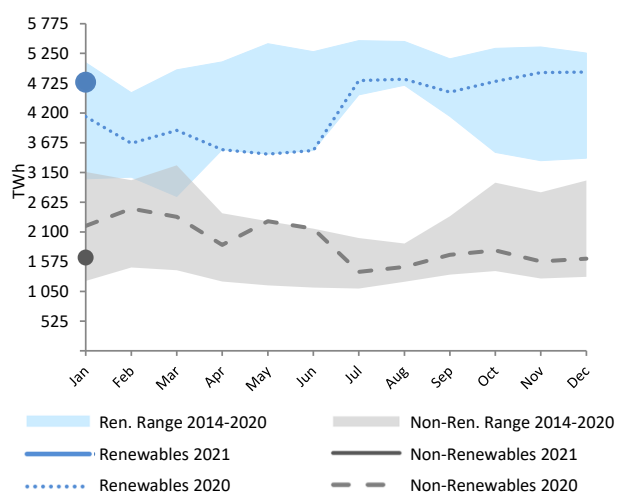
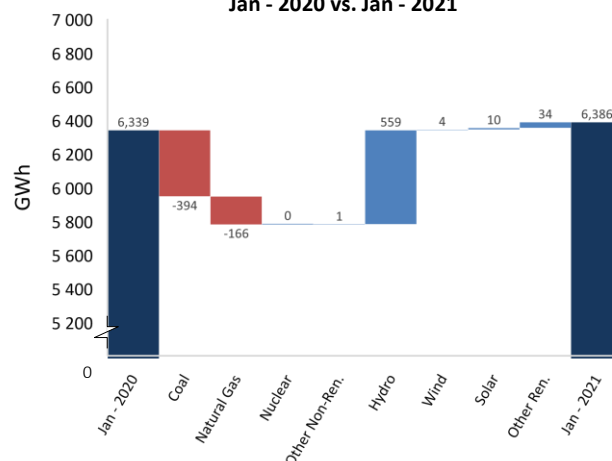
Electricity Production



Electricity Production by Fuel



Renewables and Non-Renewables

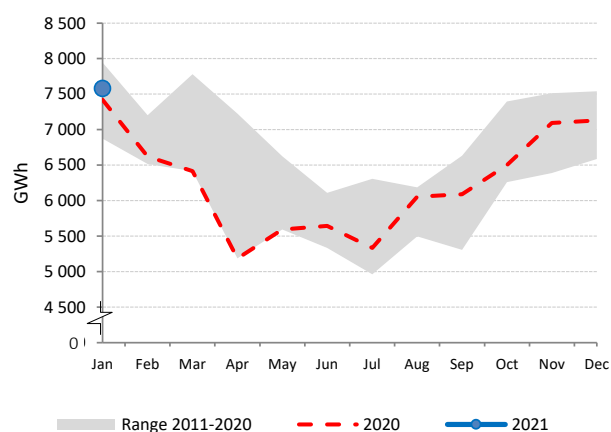
Electricity Production Variation
Jan - 2020 vs. Jan - 2021

CZECH REPUBLIC

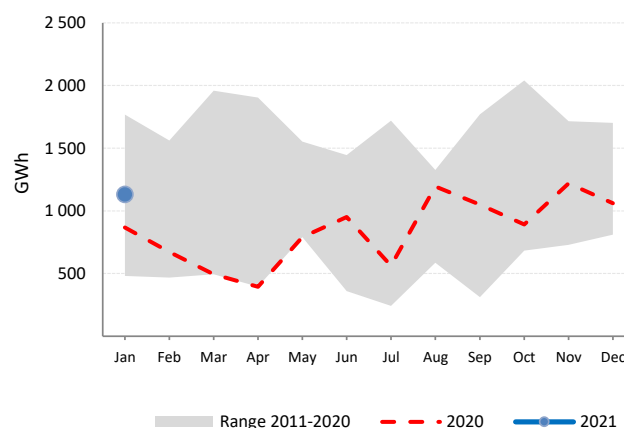
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	4,569.7	-1.2%	10.3%	60.3%	4,627.3	40,278.8	53.6%
Coal	3,406.1	-5.5%	16.1%	44.9%	3,605.8	29,293.4	39.0%
Oil	7.5	-3.5%	107.2%	0.1%	7.8	75.7	0.1%
Natural Gas	734.9	21.9%	-4.1%	9.7%	602.9	6,141.4	8.2%
Combustible Renewables	412.7	2.4%	-3.7%	5.4%	403.1	4,682.5	6.2%
Other Combustibles	8.5	10.4%	-15.4%	0.1%	7.7	85.7	0.1%
Nuclear	2,596.7	7.4%	0.5%	34.3%	2,418.0	28,369.5	37.8%
Hydro	304.3	32.2%	5.1%	4.0%	230.1	3,402.3	4.5%
Wind	53.4	-27.0%	-24.6%	0.7%	73.2	690.7	0.9%
Solar	43.1	-30.4%	25.9%	0.6%	61.9	2,241.9	3.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	11.6	17.7%	25.1%	0.2%	9.9	103.7	0.1%
RENEWABLES	813.5	5.9%	-1.2%	10.7%	768.4	11,017.4	14.7%
NON-RENEWABLES	6,765.3	1.7%	7.3%	89.3%	6,652.1	64,069.4	85.3%
TOTAL NET PRODUCTION	7,578.8	2.1%	6.3%		7,420.4	75,086.9	
+ Imports	1,176.3	-30.5%	-11.4%		1,692.6	13,368.1	
- Exports	2,308.0	-9.8%	-3.4%		2,559.4	23,520.9	
= ELECTRICITY SUPPLIED	6,447.0	-1.6%	6.2%		6,553.6	64,934.0	
- Used for pumped storage	155.3	6.0%	-1.8%		146.5	1,671.3	
- T&D Losses	356.3	-24.1%	-12.2%		469.4	4,065.1	
= ELECTRICITY CONSUMED	5,935.5	0.0%	7.8%		5,937.7	59,197.6	

¹ current month to month of last year change² month-to-month change

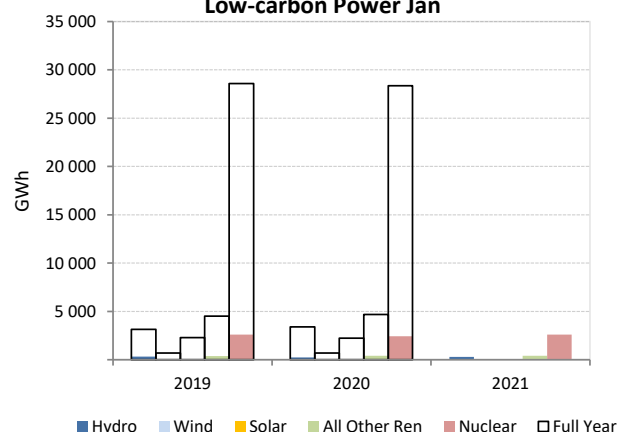
Electricity Production



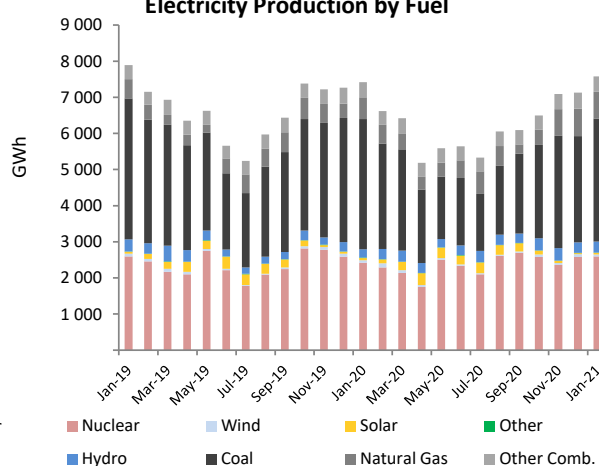
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

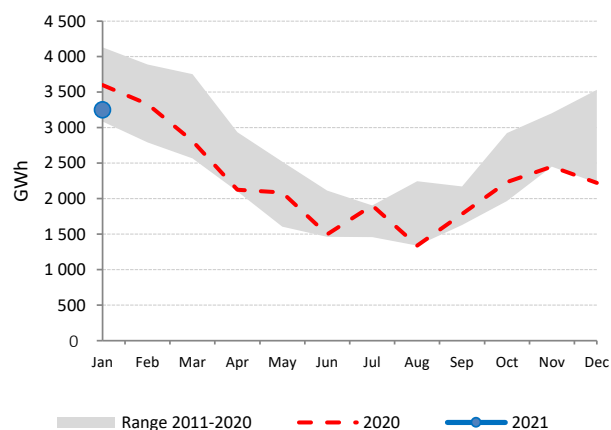


DENMARK

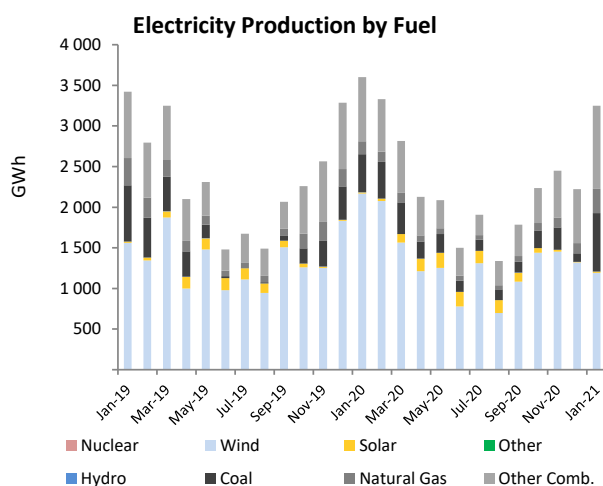
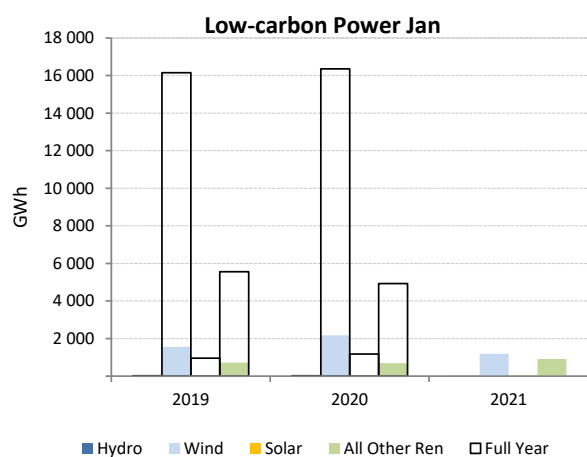
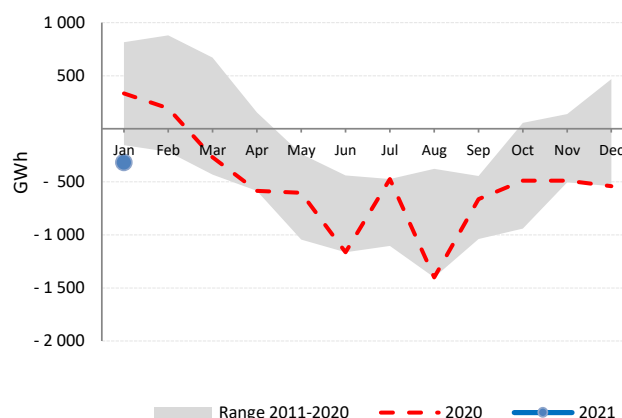
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	2,039.9	44.1%	128.3%	62.8%	1,415.2	9,838.8	35.9%
Coal	716.0	52.7%	593.9%	22.0%	469.0	2,875.3	10.5%
Oil	23.5	-0.2%	18.5%	0.7%	23.5	209.7	0.8%
Natural Gas	298.7	90.9%	138.3%	9.2%	156.4	1,126.4	4.1%
Combustible Renewables	919.9	32.1%	55.7%	28.3%	696.4	4,923.0	18.0%
Other Combustibles	81.8	17.2%	51.2%	2.5%	69.8	704.4	2.6%
Nuclear	-	-	-	-	-	-	-
Hydro	1.9	-10.3%	267.9%	0.1%	2.2	16.6	0.1%
Wind	1,191.8	-45.1%	-9.8%	36.7%	2,169.3	16,353.4	59.7%
Solar	15.9	19.5%	116.2%	0.5%	13.3	1,181.3	4.3%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	2,129.5	-26.1%	10.9%	65.5%	2,881.2	22,474.3	82.1%
NON-RENEWABLES	1,120.0	55.8%	270.3%	34.5%	718.7	4,915.7	17.9%
TOTAL NET PRODUCTION	3,249.6	-9.7%	46.2%		3,599.9	27,390.0	
+ Imports	1,760.0	37.3%	0.4%		1,281.4	19,698.7	
- Exports	1,441.7	-10.7%	19.1%		1,614.1	13,540.7	
= ELECTRICITY SUPPLIED	3,567.8	9.2%	29.0%		3,267.2	33,547.9	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses	178.5	-1.5%	30.2%		181.2	1,723.3	
= ELECTRICITY CONSUMED	3,389.4	9.8%	29.0%		3,086.0	31,824.6	

¹ current month to month of last year change² month-to-month change

Electricity Production



Net Electricity Exports

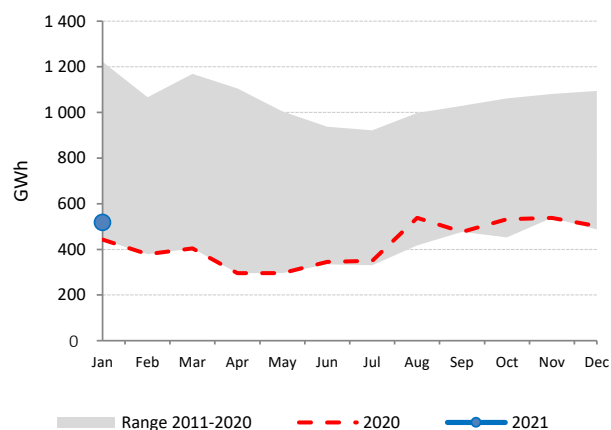


ESTONIA

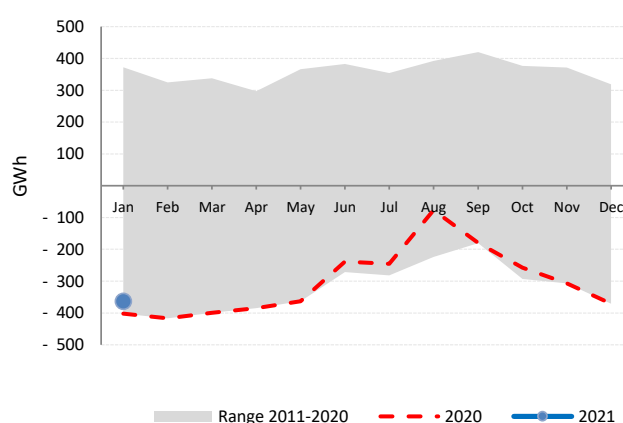
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	516.3	57.0%	24.1%	99.7%	328.9	4,163.0	81.6%
Coal ⁴	403.5	57.0%	24.1%	77.9%	257.0	3,253.7	63.8%
Oil ⁴	2.1	57.0%	24.2%	0.4%	1.3	17.1	0.3%
Natural Gas ⁴	2.9	57.0%	24.1%	0.6%	1.8	23.2	0.5%
Combustible Renewables ⁴	102.9	57.0%	24.1%	19.9%	65.6	830.1	16.3%
Other Combustibles ⁴	4.8	57.0%	24.1%	0.9%	3.1	39.0	0.8%
Nuclear	-	-	-	-	-	-	-
Hydro	-	-100.0%	-100.0%	-	4.1	38.6	0.8%
Wind	-	-100.0%	-100.0%	-	108.1	825.2	16.2%
Solar	1.8	-	86.0%	0.3%	1.8	73.5	1.4%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	104.7	-41.7%	-37.8%	20.2%	179.5	1,767.3	34.7%
NON-RENEWABLES	413.3	57.0%	24.1%	79.8%	263.3	3,333.0	65.3%
TOTAL NET PRODUCTION	518.1	17.0%	3.3%		442.8	5,100.3	
+ Imports	518.9	-21.7%	-22.0%		662.8	7,365.2	
- Exports	156.1	-40.2%	-46.9%		261.1	3,723.7	
= ELECTRICITY SUPPLIED	880.9	4.3%	1.0%		844.6	8,741.8	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses ⁴	47.8	-0.9%	-6.1%		48.2	543.8	
= ELECTRICITY CONSUMED	833.1	4.6%	1.4%		796.3	8,198.0	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change

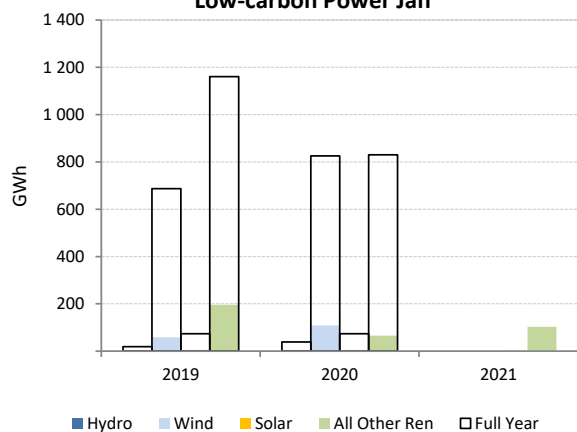
Electricity Production



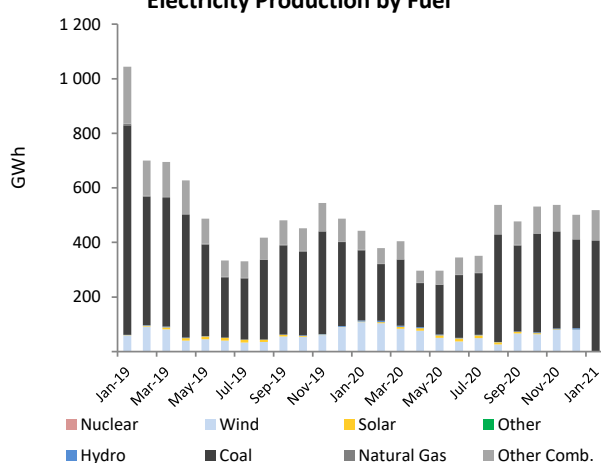
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

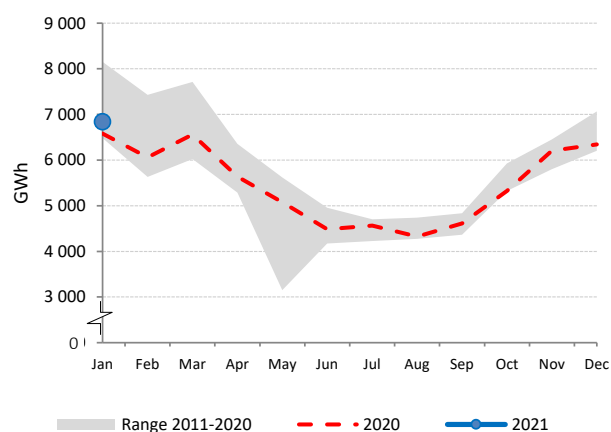


FINLAND

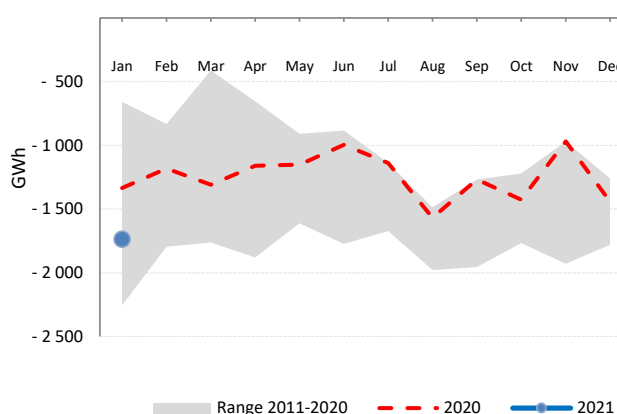
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	2,802.4	27.0%	22.4%	41.0%	2,207.1	19,627.8	29.8%
Coal	720.3	4.9%	18.0%	10.5%	686.5	5,000.3	7.6%
Oil	34.2	52.9%	8.3%	0.5%	22.3	243.2	0.4%
Natural Gas	744.6	79.7%	57.3%	10.9%	414.4	3,738.2	5.7%
Combustible Renewables	1,258.5	20.3%	11.1%	18.4%	1,046.1	10,234.8	15.6%
Other Combustibles ⁴	44.9	18.8%	8.6%	0.7%	37.8	411.3	0.6%
Nuclear	2,080.8	-0.1%	11.7%	30.4%	2,082.6	22,357.5	34.0%
Hydro	1,427.5	11.2%	-0.5%	20.9%	1,284.2	15,555.0	23.6%
Wind	510.1	-48.3%	-31.0%	7.5%	987.0	7,760.0	11.8%
Solar	1.2	-7.4%	40.0%	0.0%	1.2	254.6	0.4%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	18.7	-	-	0.3%	18.7	224.0	0.3%
RENEWABLES	3,197.1	-3.7%	-3.3%	46.7%	3,318.5	33,804.4	51.4%
NON-RENEWABLES	3,643.4	11.7%	19.9%	53.3%	3,262.3	31,974.5	48.6%
TOTAL NET PRODUCTION	6,840.5	3.9%	7.8%		6,580.9	65,779.0	
+ Imports	2,145.1	11.0%	6.2%		1,933.1	21,614.9	
- Exports	407.8	-31.8%	-29.3%		598.2	6,664.7	
= ELECTRICITY SUPPLIED	8,577.8	8.4%	10.2%		7,915.8	80,729.1	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses	272.0	8.7%	10.8%		250.2	2,541.6	
= ELECTRICITY CONSUMED	8,305.9	8.4%	10.1%		7,665.6	78,187.5	

¹ current month to month of last year change⁴ includes generation from peat² month-to-month change

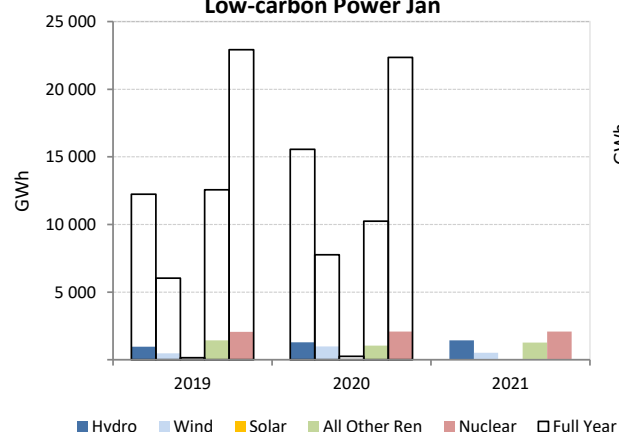
Electricity Production



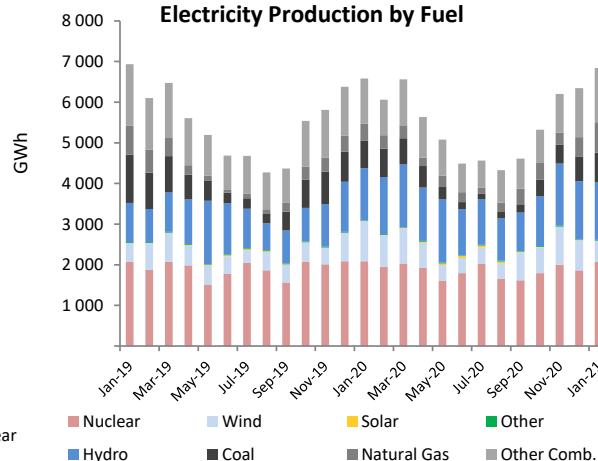
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

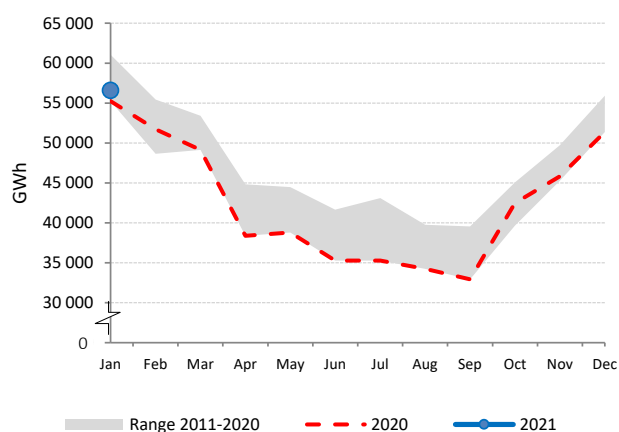


FRANCE

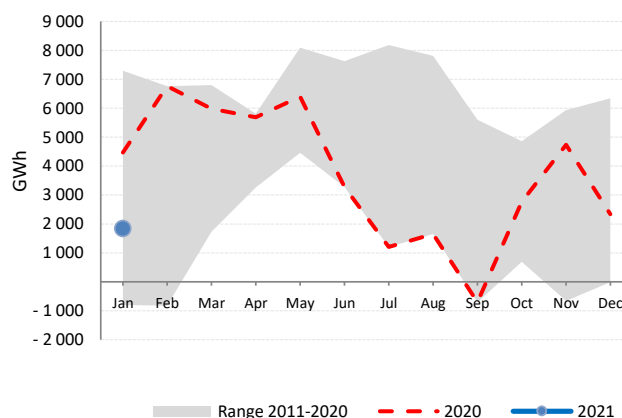
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	7,478.4	12.1%	18.7%	13.2%	6,669.2	54,091.5	10.6%
Coal	1,890.5	276.0%	116.9%	3.3%	502.9	4,676.6	0.9%
Oil	509.4	5.8%	-2.9%	0.9%	481.7	5,791.2	1.1%
Natural Gas	4,130.1	-15.1%	1.2%	7.3%	4,865.5	34,085.4	6.7%
Combustible Renewables	759.4	20.5%	20.1%	1.3%	630.2	7,271.5	1.4%
Other Combustibles	188.9	-	-	0.3%	188.9	2,266.8	0.4%
Nuclear	37,176.9	-0.5%	8.0%	65.7%	37,352.4	335,414.6	65.7%
Hydro	7,277.5	15.5%	28.0%	12.9%	6,299.8	64,840.0	12.7%
Wind	3,982.5	-6.1%	-10.6%	7.0%	4,242.5	40,382.4	7.9%
Solar	550.8	-5.2%	34.2%	1.0%	581.0	14,821.1	2.9%
Geothermal	9.4	0.2%	0.2%	0.0%	9.4	112.7	0.0%
Other Renewables	39.4	-	-	0.1%	39.4	473.1	0.1%
Non-Specified	43.9	-	-	0.1%	43.9	526.7	0.1%
RENEWABLES	12,619.0	6.9%	12.4%	22.3%	11,802.3	127,900.8	25.0%
NON-RENEWABLES	43,939.8	1.2%	9.5%	77.7%	43,435.3	382,761.4	75.0%
TOTAL NET PRODUCTION	56,558.8	2.4%	10.1%		55,237.6	510,662.2	
+ Imports	3,461.3	116.9%	30.4%		1,595.7	19,820.7	
- Exports	5,308.7	-12.5%	6.3%		6,066.7	64,408.8	
= ELECTRICITY SUPPLIED	54,711.4	7.8%	11.6%		50,766.6	466,074.1	
- Used for pumped storage	479.9	-10.8%	-25.1%		538.3	6,230.1	
- T&D Losses	5,233.7	18.7%	16.7%		4,408.4	37,289.0	
= ELECTRICITY CONSUMED	48,997.8	6.9%	11.6%		45,819.9	422,555.1	

¹ current month to month of last year change² month-to-month change

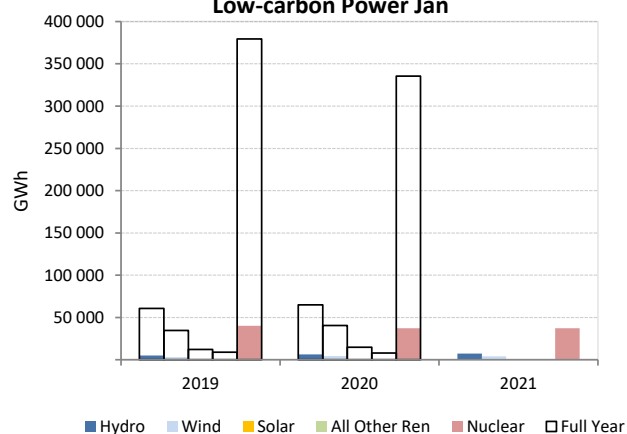
Electricity Production



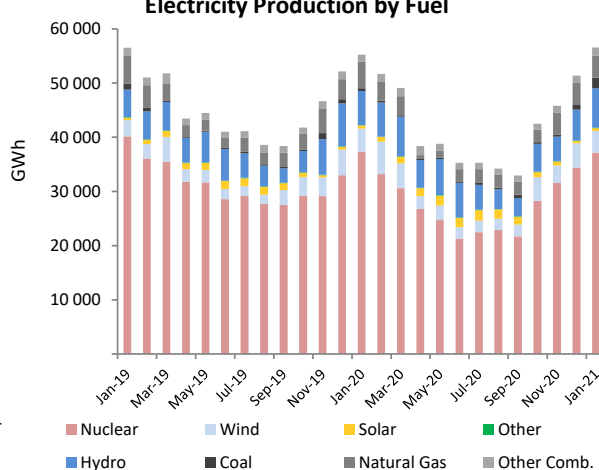
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

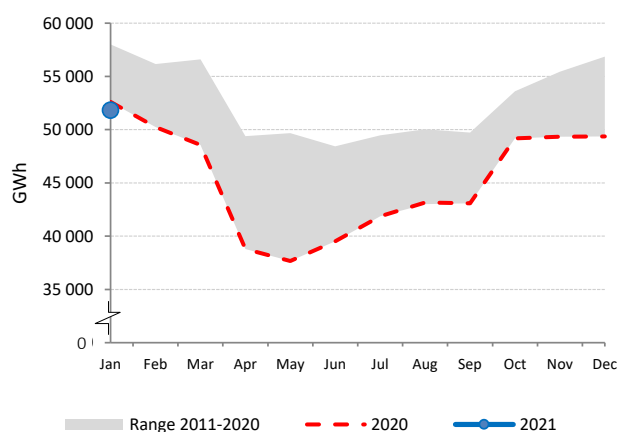


GERMANY

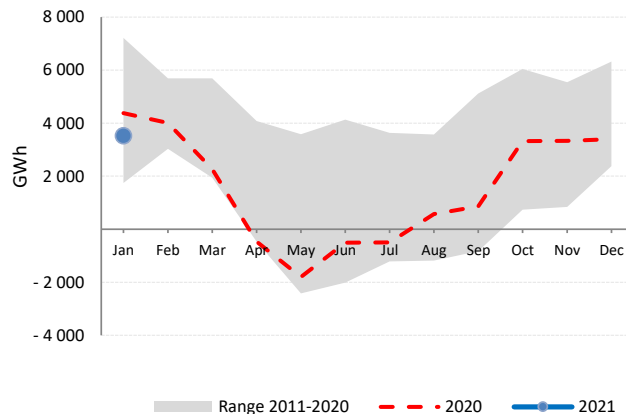
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	31,700.4	14.8%	8.9%	61.2%	27,620.8	274,635.0	50.5%
Coal	17,415.4	24.1%	14.4%	33.6%	14,028.1	132,489.1	24.4%
Oil	324.9	-14.0%	1.2%	0.6%	377.7	3,825.9	0.7%
Natural Gas	9,323.4	8.8%	5.1%	18.0%	8,572.0	85,349.2	15.7%
Combustible Renewables	4,174.8	1.3%	-1.6%	8.1%	4,123.1	47,329.3	8.7%
Other Combustibles	461.8	-11.2%	2.2%	0.9%	519.8	5,641.4	1.0%
Nuclear	5,925.9	2.0%	1.4%	11.4%	5,810.9	60,916.6	11.2%
Hydro	1,800.4	-2.1%	-0.1%	3.5%	1,838.9	24,749.4	4.6%
Wind	11,538.3	-27.8%	-1.0%	22.3%	15,983.1	129,768.9	23.9%
Solar	692.3	-43.7%	-11.0%	1.3%	1,230.7	51,801.6	9.5%
Geothermal	16.0	5.0%	10.5%	0.0%	15.3	148.8	0.0%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	144.2	34.1%	-12.2%	0.3%	107.5	1,362.9	0.3%
RENEWABLES	18,221.8	-21.4%	-1.4%	35.2%	23,191.1	253,798.0	46.7%
NON-RENEWABLES	33,595.6	14.2%	8.8%	64.8%	29,416.0	289,585.2	53.3%
TOTAL NET PRODUCTION	51,817.4	-1.5%	5.0%		52,607.2	543,383.3	
+ Imports	3,880.9	13.5%	1.8%		3,417.9	48,037.2	
- Exports	7,399.5	-5.1%	2.6%		7,796.7	66,915.3	
= ELECTRICITY SUPPLIED	48,298.8	0.1%	5.1%		48,228.3	524,505.1	
- Used for pumped storage	712.8	-3.0%	-5.4%		734.7	8,887.1	
- T&D Losses	2,713.0	-10.0%	-0.5%		3,013.4	28,022.4	
= ELECTRICITY CONSUMED	44,873.0	0.9%	5.6%		44,480.2	487,595.6	

¹ current month to month of last year change² month-to-month change

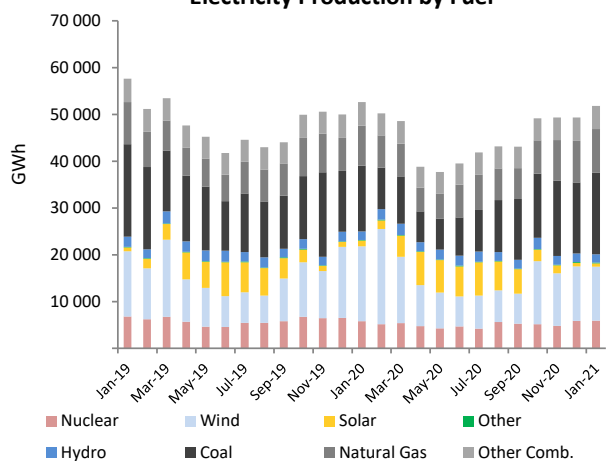
Electricity Production



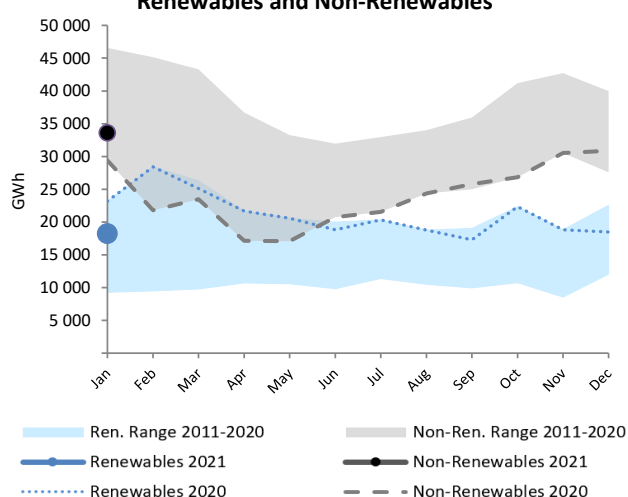
Net Electricity Exports



Electricity Production by Fuel



Renewables and Non-Renewables

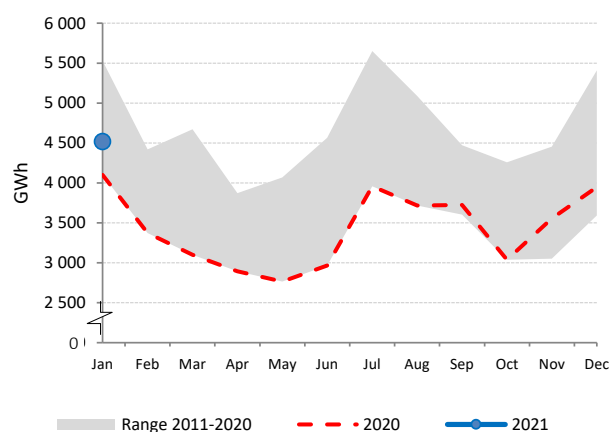


GREECE

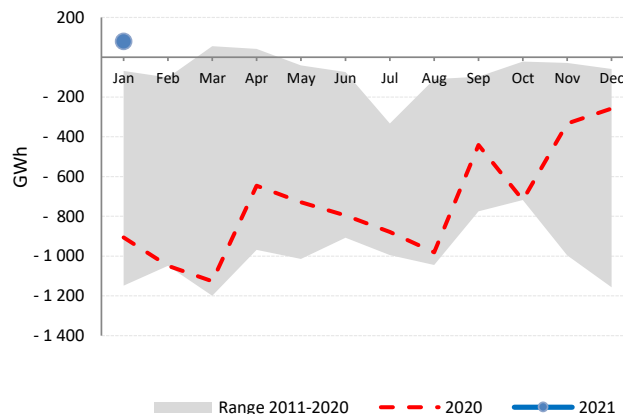
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	2,213.2	-19.5%	-13.3%	49.0%	2,748.4	23,571.7	57.3%
Coal	651.4	-43.5%	-29.8%	14.4%	1,152.5	6,400.4	15.6%
Oil	380.4	-9.6%	2.9%	8.4%	420.6	4,464.8	10.9%
Natural Gas	1,145.4	2.6%	-6.0%	25.4%	1,116.2	12,069.4	29.3%
Combustible Renewables ⁴	12.8	-64.2%	0.5%	0.3%	35.9	358.6	0.9%
Other Combustibles ⁴	23.2	-	-	0.5%	23.2	278.5	0.7%
Nuclear	-	-	-	-	-	-	-
Hydro	831.4	194.6%	220.1%	18.4%	282.2	3,434.2	8.3%
Wind	1,201.7	53.8%	25.5%	26.6%	781.3	9,263.2	22.5%
Solar	270.1	-6.4%	50.9%	6.0%	288.6	4,872.2	11.8%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	2,316.0	66.9%	64.4%	51.3%	1,388.0	17,928.3	43.6%
NON-RENEWABLES	2,200.4	-18.9%	-13.3%	48.7%	2,712.5	23,213.1	56.4%
TOTAL NET PRODUCTION	4,516.3	10.1%	14.4%		4,100.5	41,141.4	
+ Imports	348.1	-62.7%	-34.5%		932.4	9,828.6	
- Exports	427.6	1508.6%	56.6%		26.6	967.0	
= ELECTRICITY SUPPLIED	4,436.8	-11.4%	5.5%		5,006.3	50,003.0	
- Used for pumped storage	17.5	118.3%	-63.2%		8.0	179.4	
- T&D Losses	261.2	20.5%	4.7%		216.8	2,410.1	
= ELECTRICITY CONSUMED	4,158.1	-13.0%	6.4%		4,781.6	47,413.5	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change

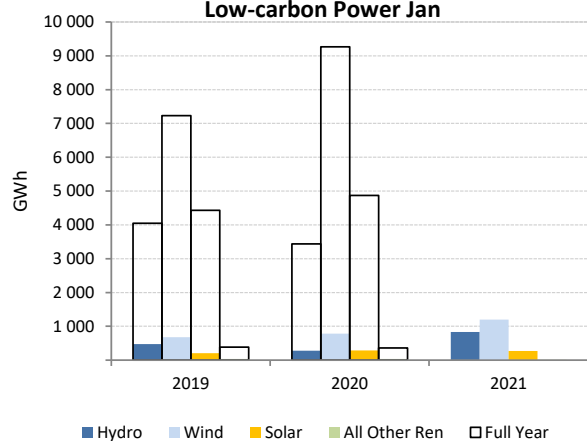
Electricity Production



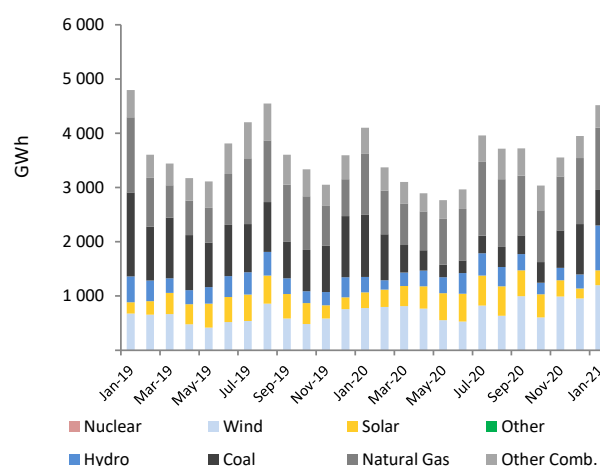
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

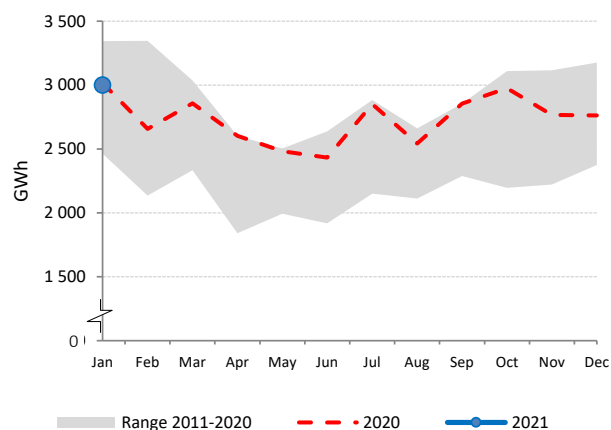


HUNGARY

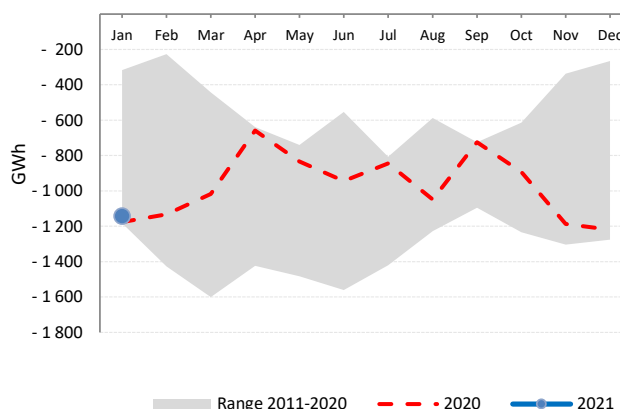
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	1,371.7	-4.8%	4.3%	45.7%	1,440.4	14,102.4	43.0%
Coal	228.8	-35.0%	-27.8%	7.6%	352.1	3,548.1	10.8%
Oil	4.4	23.8%	-18.3%	0.1%	3.6	49.0	0.1%
Natural Gas	952.2	1.2%	23.3%	31.7%	941.1	8,312.5	25.3%
Combustible Renewables	168.9	32.3%	-16.3%	5.6%	127.6	2,007.4	6.1%
Other Combustibles	17.4	9.0%	-9.1%	0.6%	16.0	185.5	0.6%
Nuclear	1,442.1	-0.2%	10.2%	48.1%	1,444.6	15,173.1	46.3%
Hydro	14.8	-26.2%	-26.3%	0.5%	20.0	237.4	0.7%
Wind	58.0	56.5%	6.7%	1.9%	37.1	628.7	1.9%
Solar	103.6	60.4%	93.3%	3.5%	64.6	2,546.4	7.8%
Geothermal	0.9	-14.3%	-7.6%	0.0%	1.1	8.1	0.0%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	8.5	-	-	0.3%	8.5	102.0	0.3%
RENEWABLES	346.2	38.3%	4.7%	11.5%	250.4	5,427.9	16.5%
NON-RENEWABLES	2,653.5	-4.1%	9.1%	88.5%	2,765.9	27,370.1	83.5%
TOTAL NET PRODUCTION	2,999.7	-0.6%	8.6%		3,016.3	32,798.1	
+ Imports	1,568.5	-18.5%	-13.3%		1,924.6	19,175.1	
- Exports	427.2	-42.9%	-27.5%		748.5	7,498.7	
= ELECTRICITY SUPPLIED	4,141.0	-1.2%	4.0%		4,192.4	44,474.5	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses	309.9	-7.9%	1.9%		336.4	3,124.9	
= ELECTRICITY CONSUMED	3,831.1	-0.6%	4.2%		3,856.1	41,349.7	

¹ current month to month of last year change² month-to-month change

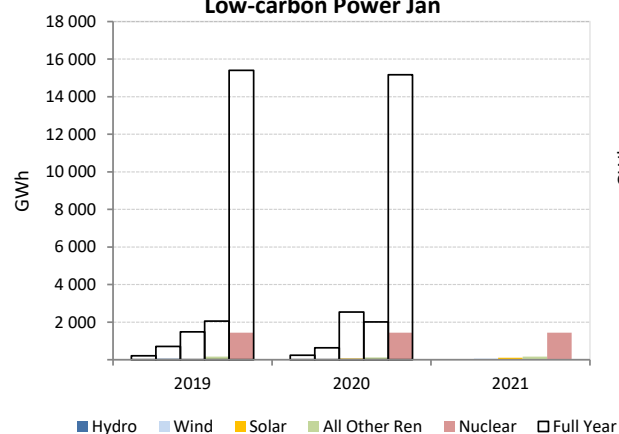
Electricity Production



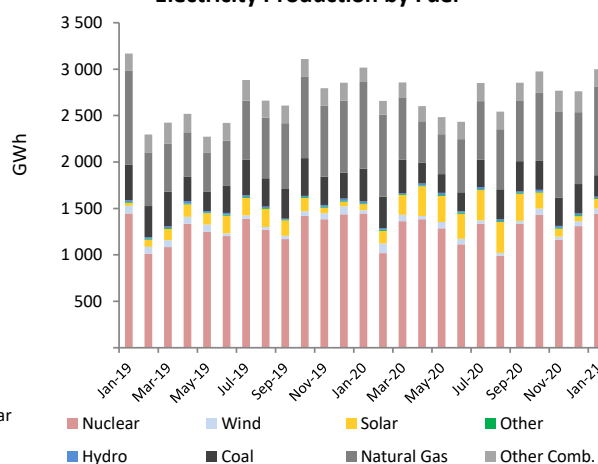
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

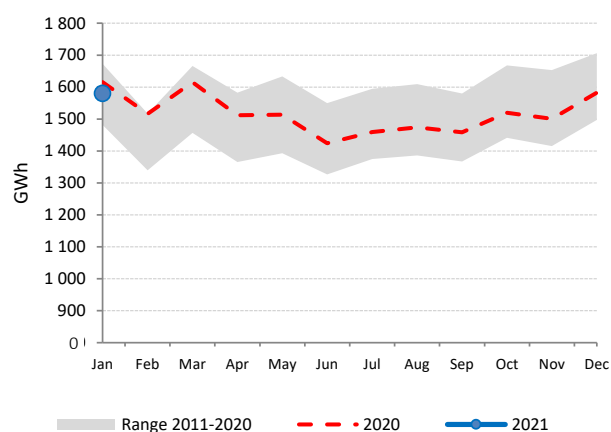


ICELAND

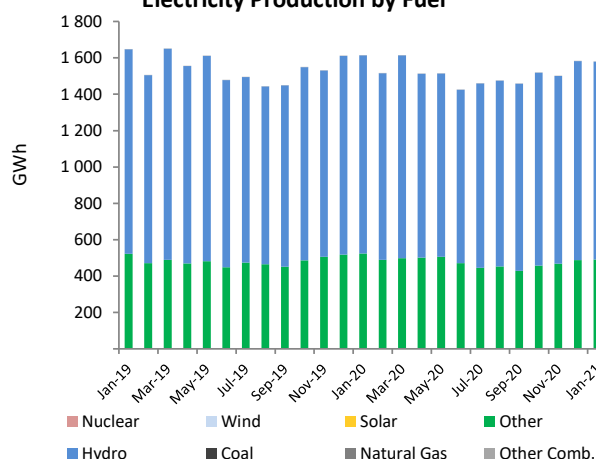
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	0.2	-73.0%	13.6%	0.0%	0.7	3.1	0.0%
Coal	-	-	-	-	-	-	-
Oil	0.2	-73.0%	13.6%	0.0%	0.7	3.1	0.0%
Natural Gas	-	-	-	-	-	-	-
Combustible Renewables	-	-	-	-	-	-	-
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	1,088.6	-0.2%	-0.6%	68.9%	1,090.5	12,456.0	68.5%
Wind	0.8	9.9%	-11.9%	0.1%	0.7	6.7	0.0%
Solar	-	-	-	-	-	-	-
Geothermal	490.2	-6.3%	0.8%	31.0%	523.4	5,726.2	31.5%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	1,579.6	-2.2%	-0.2%	100.0%	1,614.7	18,188.8	100.0%
NON-RENEWABLES	0.2	-73.0%	13.6%	0.0%	0.7	3.1	0.0%
TOTAL NET PRODUCTION	1,579.8	-2.2%	-0.2%		1,615.5	18,191.9	
+ Imports	-	-	-	-	-	-	-
- Exports	-	-	-	-	-	-	-
= ELECTRICITY SUPPLIED	1,579.8	-2.2%	-0.2%		1,615.5	18,191.9	
- Used for pumped storage	-	-	-	-	-	-	-
- T&D Losses	44.9	-	1.0%	-	44.9	476.4	-
= ELECTRICITY CONSUMED	1,534.9	-2.3%	-0.2%		1,570.6	17,715.4	

¹ current month to month of last year change² month-to-month change

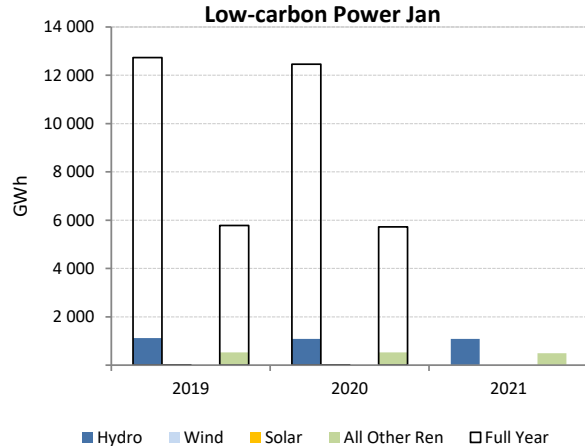
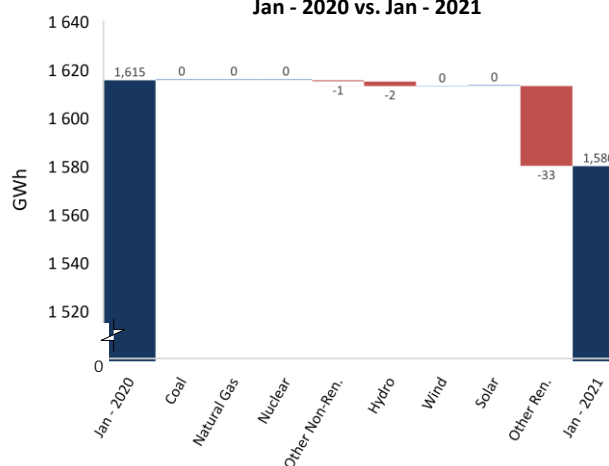
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

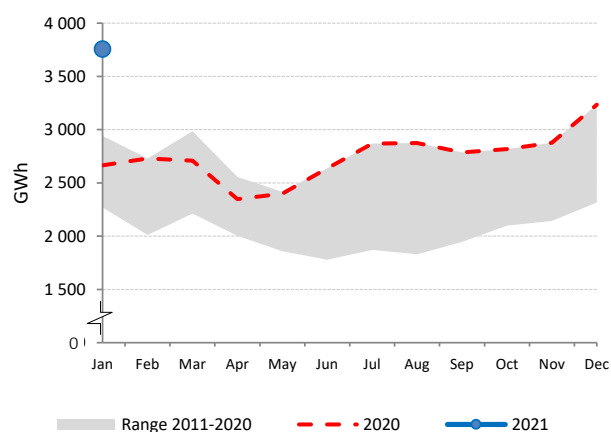
Electricity Production Variation
Jan - 2020 vs. Jan - 2021

IRELAND

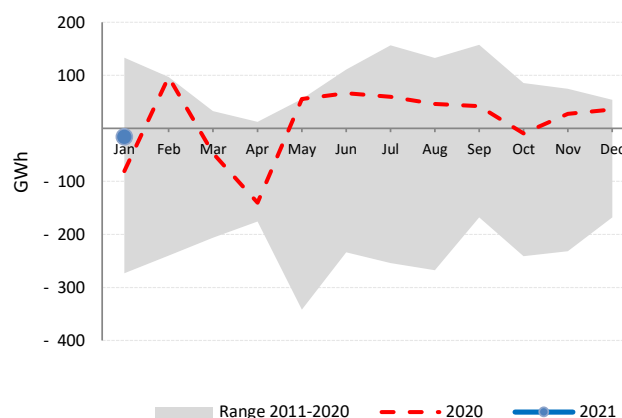
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	2,651.7	96.0%	45.6%	70.6%	1,352.9	20,160.6	61.2%
Coal	1,113.2	(+)	158.6%	29.6%	15.9	3,113.7	9.4%
Oil	88.1	264.2%	142.3%	2.3%	24.2	462.0	1.4%
Natural Gas	1,366.7	12.3%	6.9%	36.4%	1,217.4	15,618.5	47.4%
Combustible Renewables	73.4	6.9%	20.5%	2.0%	68.7	785.5	2.4%
Other Combustibles	10.3	-61.4%	-32.3%	0.3%	26.7	181.0	0.5%
Nuclear	-	-	-	-	-	-	-
Hydro	154.3	18.9%	-2.2%	4.1%	129.7	1,211.5	3.7%
Wind	948.2	-19.8%	-24.4%	25.3%	1,181.9	11,556.0	35.1%
Solar	0.5	-	20.5%	0.0%	0.5	21.4	0.1%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	1,176.4	-14.8%	-20.2%	31.3%	1,380.8	13,574.3	41.2%
NON-RENEWABLES	2,578.3	100.8%	46.5%	68.7%	1,284.1	19,375.1	58.8%
TOTAL NET PRODUCTION	3,754.6	40.9%	16.1%		2,664.9	32,949.4	
+ Imports	112.7	-46.4%	-21.9%		210.3	1,761.1	
- Exports	97.2	-24.9%	-46.0%		129.4	1,913.0	
= ELECTRICITY SUPPLIED	3,770.1	37.3%	17.9%		2,745.7	32,797.6	
- Used for pumped storage	42.1	-14.1%	-6.2%		49.0	535.8	
- T&D Losses	217.2	1.3%	-0.5%		214.3	2,308.8	
= ELECTRICITY CONSUMED	3,510.8	41.4%	19.6%		2,482.4	29,953.0	

¹ current month to month of last year change² month-to-month change

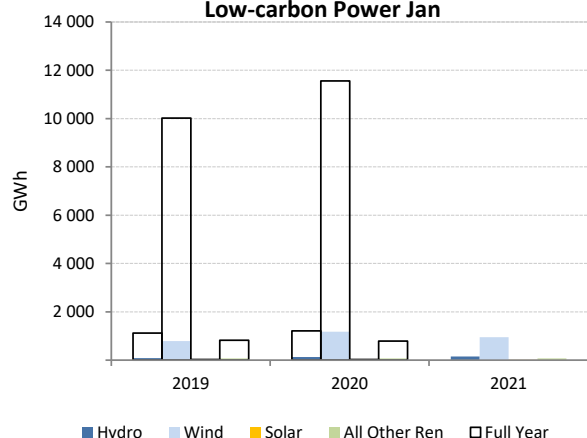
Electricity Production



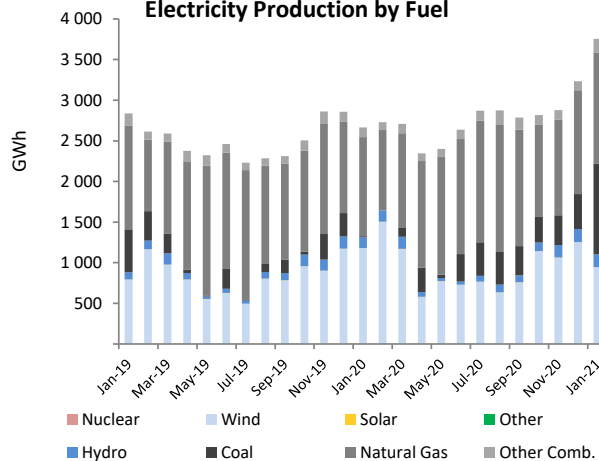
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

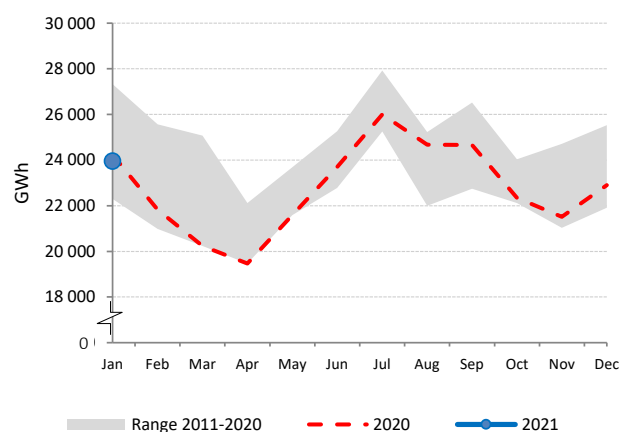


ITALY

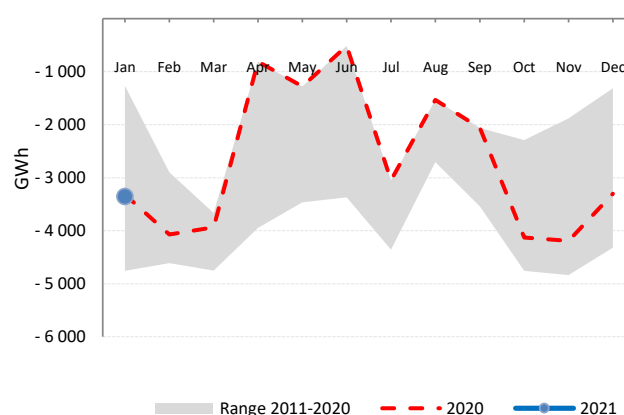
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	16,110.9	-6.9%	0.6%	67.3%	17,311.2	174,839.9	64.0%
Coal ⁴	1,754.5	-7.7%	0.8%	7.3%	1,901.4	18,861.4	6.9%
Oil ⁴	838.2	-7.7%	0.8%	3.5%	908.3	9,010.7	3.3%
Natural Gas ⁴	11,696.9	-7.7%	0.8%	48.8%	12,676.0	125,744.1	46.0%
Combustible Renewables	1,620.7	0.8%	-0.9%	6.8%	1,608.2	19,068.5	7.0%
Other Combustibles ⁴	200.5	-7.7%	0.8%	0.8%	217.3	2,155.3	0.8%
Nuclear	-	-	-	-	-	-	-
Hydro	3,743.0	7.7%	3.5%	15.6%	3,476.0	47,999.1	17.6%
Wind	2,664.1	58.0%	32.6%	11.1%	1,686.0	18,547.4	6.8%
Solar	920.0	-24.7%	24.7%	3.8%	1,222.0	25,548.8	9.4%
Geothermal	465.0	-4.9%	-2.1%	1.9%	489.0	5,645.8	2.1%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	47.4	-	-	0.2%	47.4	569.4	0.2%
RENEWABLES	9,412.8	11.0%	11.1%	39.3%	8,481.2	116,809.5	42.8%
NON-RENEWABLES	14,537.6	-7.7%	0.8%	60.7%	15,750.4	156,340.8	57.2%
TOTAL NET PRODUCTION	23,950.4	-1.2%	4.6%		24,231.7	273,150.3	
+ Imports	3,863.0	-5.1%	0.1%		4,069.0	39,786.9	
- Exports	507.0	-32.3%	-9.1%		749.0	7,586.6	
= ELECTRICITY SUPPLIED	27,306.4	-0.9%	4.2%		27,551.7	305,350.6	
- Used for pumped storage	194.0	13.5%	-23.9%		171.0	2,557.2	
- T&D Losses ⁵	1,511.3	-1.7%	4.0%		1,537.8	17,003.9	
= ELECTRICITY CONSUMED	25,601.1	-0.9%	4.5%		25,842.9	285,789.6	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change⁵ estimated

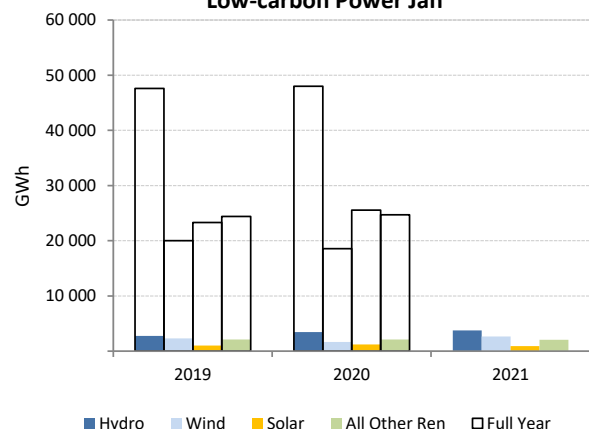
Electricity Production



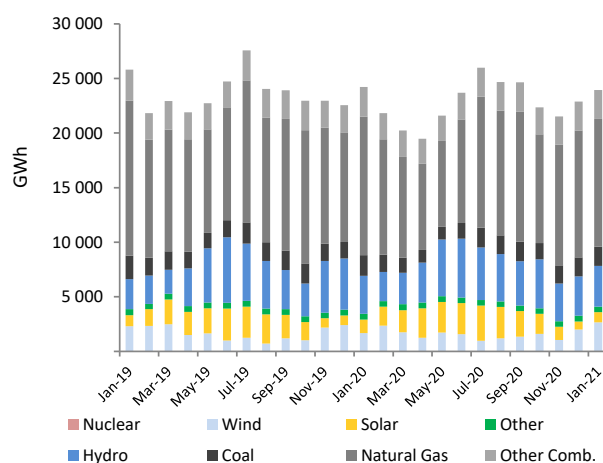
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel



JAPAN

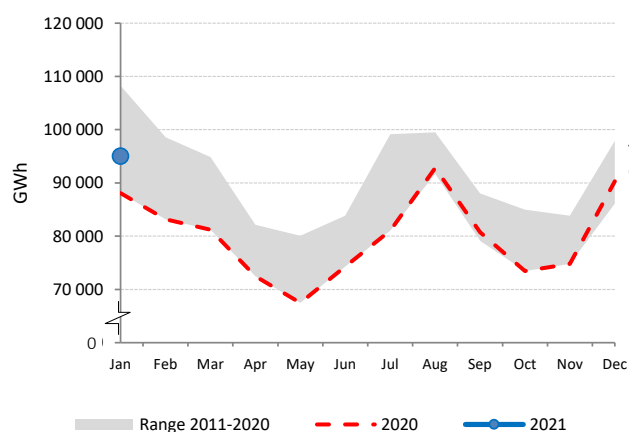
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 1	Jan 21 vs. Dec 20 2	share	January	Annual	share
CONVENTIONAL THERMAL	78,935.4	12.7%	5.7%	83.1%	70,045.5	715,237.4	74.5%
Coal	29,953.6	1.4%	3.0%	31.5%	29,540.7	298,368.1	31.1%
Oil	6,901.2	43.4%	-0.2%	7.3%	4,813.0	38,674.9	4.0%
Natural Gas	36,308.8	13.6%	2.8%	38.2%	31,953.0	324,908.1	33.9%
Combustible Renewables	2,361.6	27.3%	2.2%	2.5%	1,855.0	24,408.2	2.5%
Other Combustibles	3,410.2	81.0%	227.6%	3.6%	1,883.7	28,878.2	3.0%
Nuclear	2,596.5	-46.2%	24.3%	2.7%	4,828.6	42,178.0	4.4%
Hydro	5,360.1	-13.0%	4.4%	5.6%	6,161.8	89,166.8	9.3%
Wind	993.7	12.6%	-13.5%	1.0%	882.6	8,770.9	0.9%
Solar	4,897.5	17.3%	-5.6%	5.2%	4,175.6	82,093.3	8.6%
Geothermal	261.9	9.2%	3.5%	0.3%	239.8	2,603.0	0.3%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	1,940.9	11.6%	7.0%	2.0%	1,739.5	19,751.7	2.1%
RENEWABLES	13,874.9	4.2%	-1.1%	14.6%	13,314.8	207,042.1	21.6%
NON-RENEWABLES	81,111.3	8.5%	6.4%	85.4%	74,758.6	752,758.9	78.4%
TOTAL NET PRODUCTION	94,986.1	7.8%	5.2%		88,073.3	959,801.0	
+ Imports	-	-	-		-	-	
- Exports	-	-	-		-	-	
= ELECTRICITY SUPPLIED	94,986.1	7.8%	5.2%		88,073.3	959,801.0	
- Used for pumped storage ⁴	1,065.3	60.8%	-17.9%		662.4	11,745.0	
- T&D Losses ⁴	4,279.3	7.8%	5.2%		3,967.9	43,240.7	
= ELECTRICITY CONSUMED	89,641.6	7.4%	5.6%		83,443.0	904,815.3	

¹ current month to month of last year change

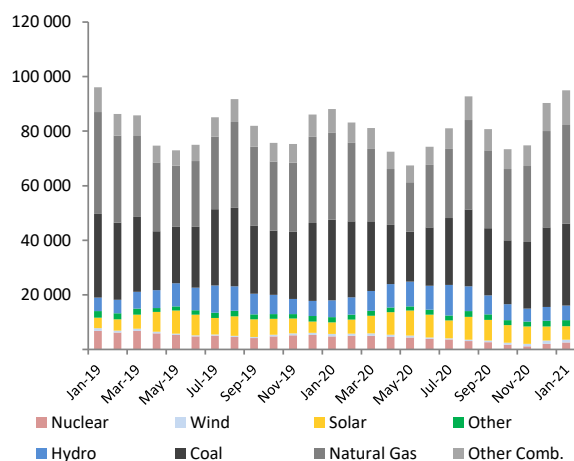
January 2021 is estimated by the IEA Secretariat

² month-to-month change

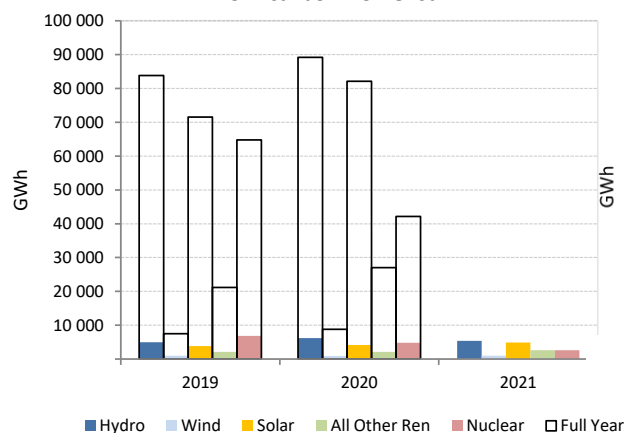
Electricity Production



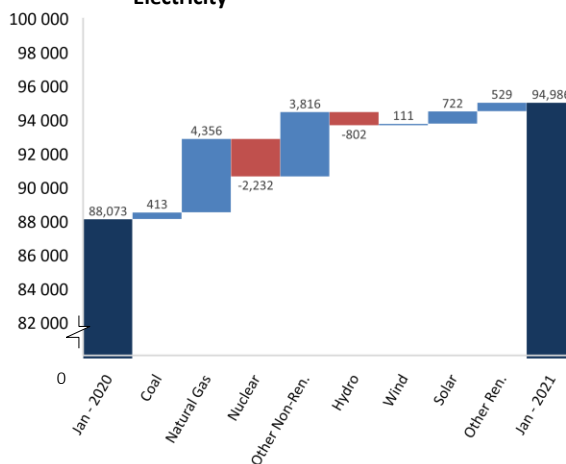
Electricity Production by Fuel



Low-carbon Power Jan



Electricity

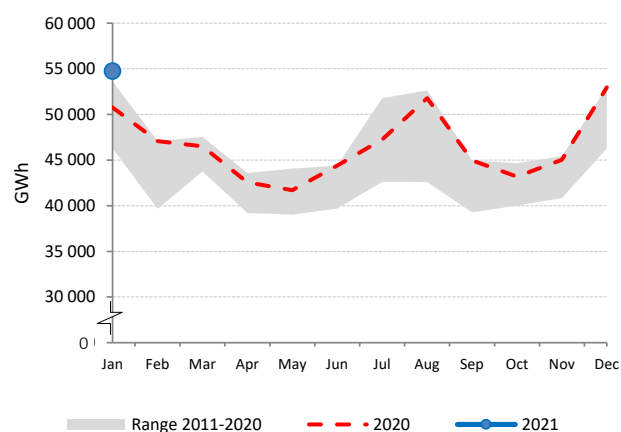


KOREA

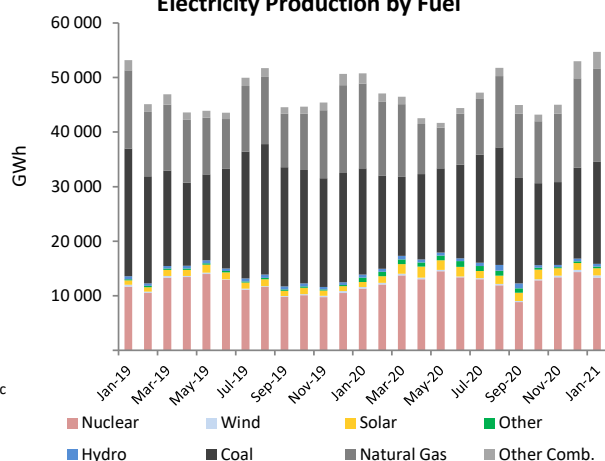
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	38,854.7	5.3%	7.4%	71.0%	36,900.5	368,710.7	66.1%
Coal	18,749.6	-3.8%	12.6%	34.3%	19,495.8	206,983.8	37.1%
Oil	827.2	-4.4%	-4.8%	1.5%	865.0	6,274.8	1.1%
Natural Gas	17,080.8	9.8%	4.2%	31.2%	15,552.7	143,718.8	25.7%
Combustible Renewables ⁴	2,024.5	122.6%	-2.5%	3.7%	909.3	10,811.1	1.9%
Other Combustibles ⁴	172.7	122.6%	-2.5%	0.3%	77.6	922.3	0.2%
Nuclear	13,351.6	18.0%	-6.8%	24.4%	11,312.8	152,304.2	27.3%
Hydro	514.1	-3.9%	4.2%	0.9%	535.0	7,232.8	1.3%
Wind	380.0	21.4%	-5.7%	0.7%	313.0	3,162.4	0.6%
Solar	1,300.3	49.0%	1.1%	2.4%	872.5	18,190.0	3.3%
Geothermal	-	-	-	-	-	-	-
Other Renewables	65.5	59.9%	2.5%	0.1%	41.0	636.2	0.1%
Non-Specified	260.1	-67.3%	11.9%	0.5%	796.3	7,975.0	1.4%
RENEWABLES	4,284.4	60.4%	-0.9%	7.8%	2,670.7	40,032.4	7.2%
NON-RENEWABLES	50,441.9	4.9%	3.7%	92.2%	48,100.3	518,178.8	92.8%
TOTAL NET PRODUCTION	54,726.3	7.8%	3.3%		50,771.0	558,211.2	
+ Imports	-	-	-		-	-	
- Exports	-	-	-		-	-	
= ELECTRICITY SUPPLIED	54,726.3	7.8%	3.3%		50,771.0	558,211.2	
- Used for pumped storage ⁴	427.1	3.5%	7.0%		412.7	4,314.7	
- T&D Losses ⁴	1,846.0	7.8%	3.3%		1,712.6	18,829.6	
= ELECTRICITY CONSUMED	52,453.1	7.8%	3.3%		48,645.7	535,066.9	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change

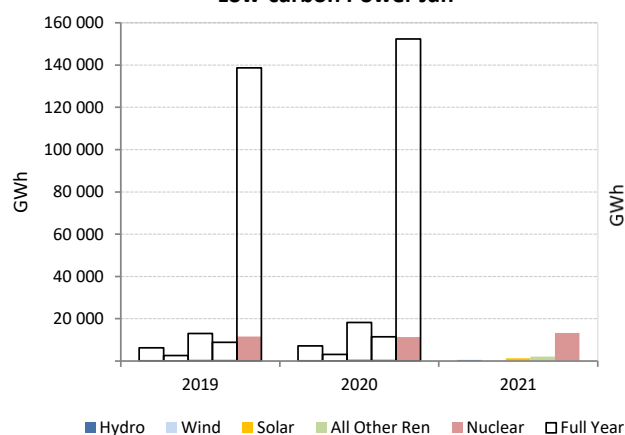
Electricity Production



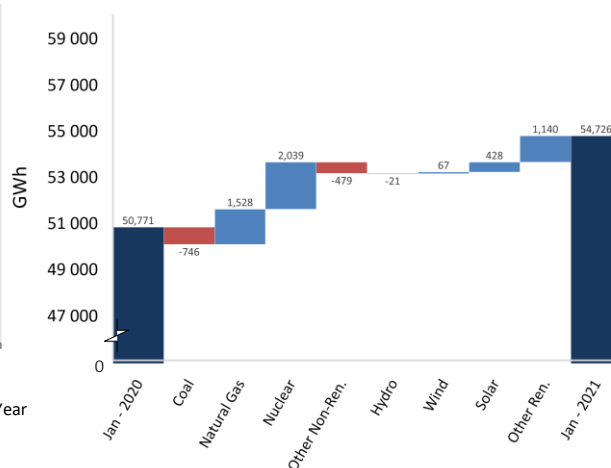
Electricity Production by Fuel



Low-carbon Power Jan



Electricity

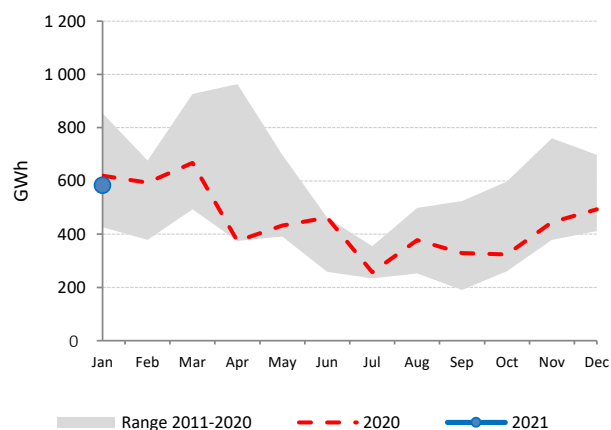


LATVIA

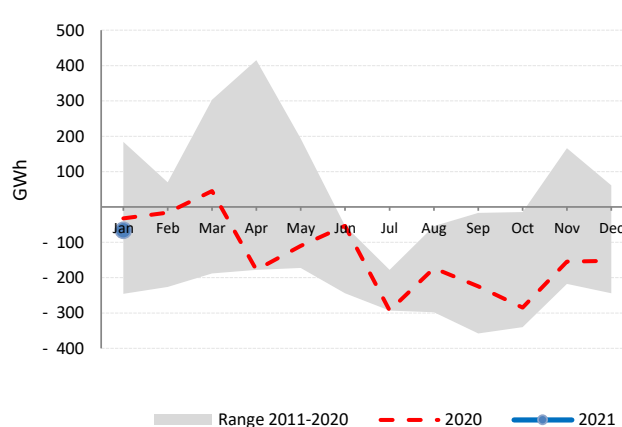
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	380.9	91.2%	26.2%	65.3%	199.2	2,611.6	48.6%
Coal	-	-	-	-	-	-	-
Oil	-	-	-	-	-	-	-
Natural Gas	303.7	133.6%	33.5%	52.1%	130.0	1,821.0	33.9%
Combustible Renewables	77.2	11.6%	4.1%	13.2%	69.2	790.5	14.7%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	193.0	-51.3%	9.0%	33.1%	396.0	2,585.9	48.1%
Wind	9.0	-62.5%	-40.0%	1.5%	24.1	176.6	3.3%
Solar	0.1	-	41.5%	0.0%	0.1	3.1	0.1%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	279.3	-42.9%	4.9%	47.9%	489.4	3,556.1	66.1%
NON-RENEWABLES	303.7	133.6%	33.5%	52.1%	130.0	1,821.0	33.9%
TOTAL NET PRODUCTION	583.0	-5.9%	18.1%		619.4	5,377.1	
+ Imports	285.9	-17.6%	-6.2%		346.9	4,171.9	
- Exports	219.9	-30.2%	43.8%		314.9	2,545.0	
= ELECTRICITY SUPPLIED	649.0	-0.4%	0.5%		651.4	7,004.0	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses ⁴	35.1	-10.1%	8.8%		39.1	386.0	
= ELECTRICITY CONSUMED	613.9	0.3%	0.1%		612.3	6,618.0	

¹ current month to month of last year change⁴ estimated² month-to-month change

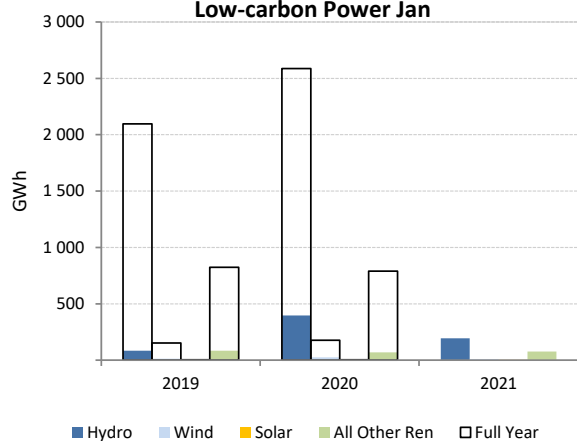
Electricity Production



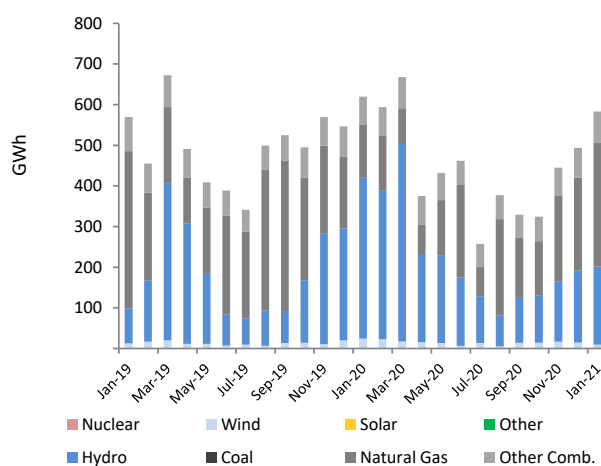
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

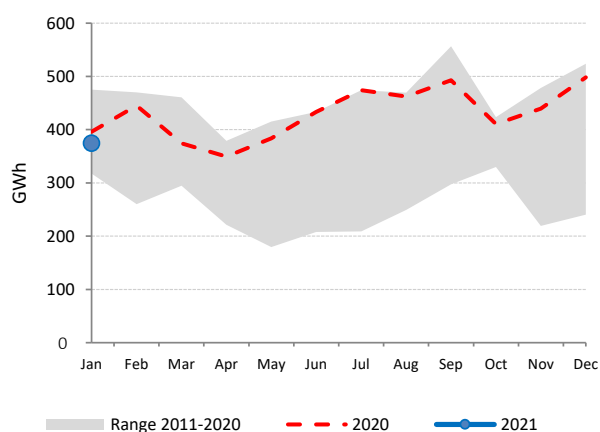


LITHUANIA

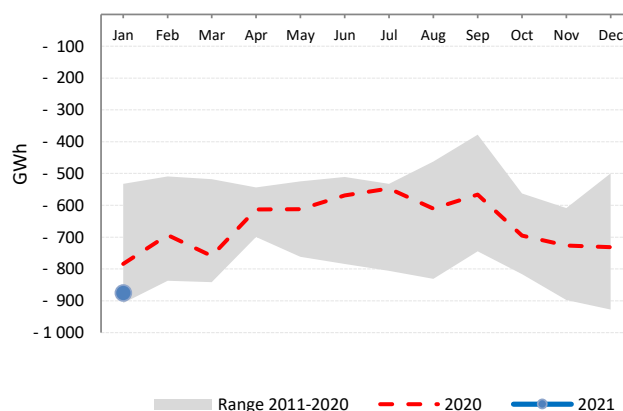
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	169.9	72.8%	-23.9%	45.4%	98.3	2,266.4	43.9%
Coal	-	-	-	-	-	-	-
Oil	4.3	-57.8%	-53.8%	1.1%	10.1	85.1	1.6%
Natural Gas	111.9	282.0%	-27.7%	29.9%	29.3	1,575.0	30.5%
Combustible Renewables	48.4	-6.6%	-7.3%	12.9%	51.8	530.7	10.3%
Other Combustibles	5.4	-24.7%	-23.0%	1.4%	7.1	75.6	1.5%
Nuclear	-	-	-	-	-	-	-
Hydro	90.6	4.8%	-0.6%	24.2%	86.4	1,060.9	20.6%
Wind	99.9	-48.5%	-41.1%	26.7%	193.8	1,552.4	30.1%
Solar	0.4	-63.7%	-39.8%	0.1%	1.2	82.9	1.6%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	13.6	-16.0%	-0.4%	3.6%	16.2	196.4	3.8%
RENEWABLES	239.3	-28.2%	-23.7%	63.9%	333.2	3,226.9	62.5%
NON-RENEWABLES	135.1	115.5%	-26.8%	36.1%	62.7	1,932.1	37.5%
TOTAL NET PRODUCTION	374.4	-5.4%	-24.9%		396.0	5,159.0	
+ Imports	1,135.8	-3.3%	6.2%		1,173.9	12,013.3	
- Exports	260.5	-33.2%	-22.7%		389.9	4,104.9	
= ELECTRICITY SUPPLIED	1,249.7	5.9%	1.6%		1,180.0	13,067.4	
- Used for pumped storage	88.7	39.9%	-13.6%		63.4	1,061.1	
- T&D Losses	131.1	1.4%	95.5%		129.3	925.2	
= ELECTRICITY CONSUMED	1,029.8	4.3%	-2.9%		987.2	11,081.1	

¹ current month to month of last year change² month-to-month change

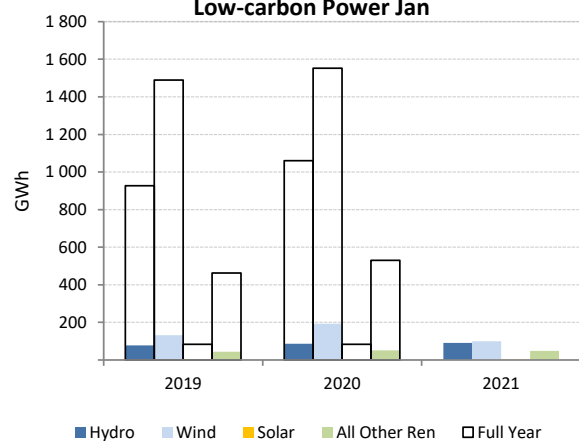
Electricity Production



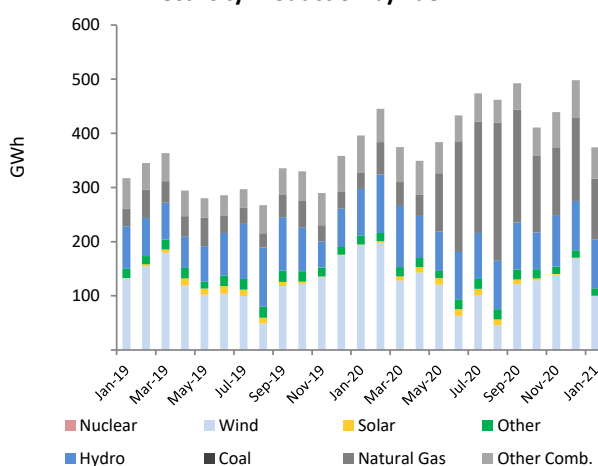
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

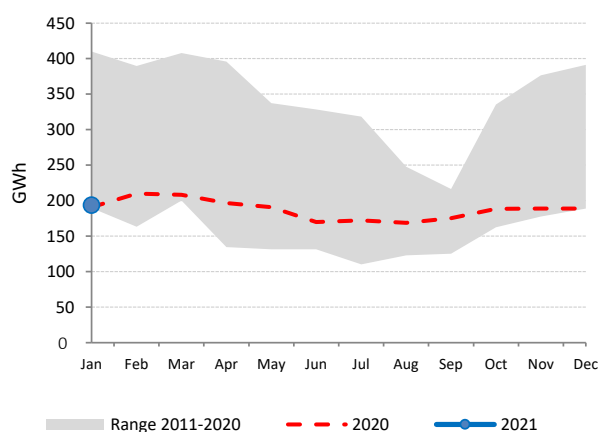


LUXEMBOURG

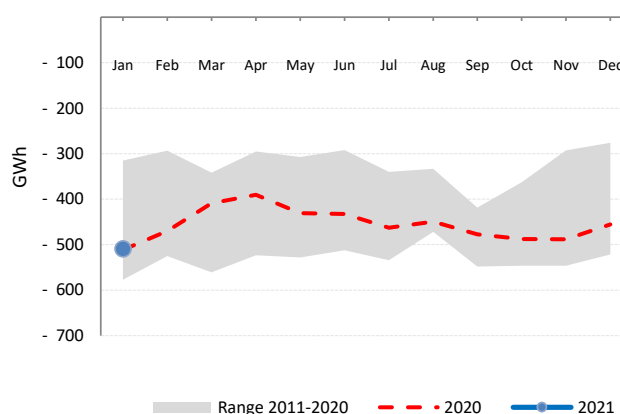
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	57.6	-4.6%	-3.2%	29.8%	60.4	606.8	27.0%
Coal	-	-	-	-	-	-	-
Oil	-	-	-	-	-	-	-
Natural Gas	20.8	-9.8%	11.6%	10.8%	23.1	169.2	7.5%
Combustible Renewables	31.5	1.5%	-9.7%	16.3%	31.0	371.5	16.5%
Other Combustibles	5.3	-15.4%	-11.7%	2.7%	6.2	66.1	2.9%
Nuclear	-	-	-	-	-	-	-
Hydro	94.9	1.2%	7.1%	49.1%	93.7	1,087.1	48.3%
Wind	37.2	10.6%	5.3%	19.2%	33.6	348.9	15.5%
Solar	3.7	14.1%	-30.2%	1.9%	3.2	206.5	9.2%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	167.3	3.5%	1.9%	86.5%	161.6	2,014.0	89.5%
NON-RENEWABLES	26.1	-11.0%	6.0%	13.5%	29.3	235.3	10.5%
TOTAL NET PRODUCTION	193.4	1.3%	2.4%		190.9	2,249.3	
+ Imports	600.0	1.4%	10.8%		591.8	6,543.5	
- Exports	90.6	13.0%	5.0%		80.2	1,078.6	
= ELECTRICITY SUPPLIED	702.7	0.0%	9.1%		702.5	7,714.2	
- Used for pumped storage	114.9	0.6%	6.6%		114.3	1,406.5	
- T&D Losses	14.0	0.0%	9.7%		14.0	149.8	
= ELECTRICITY CONSUMED	573.8	-0.1%	9.6%		574.2	6,157.9	

¹ current month to month of last year change² month-to-month change

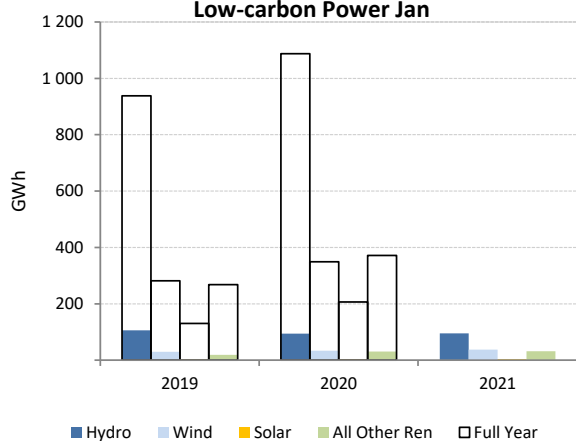
Electricity Production



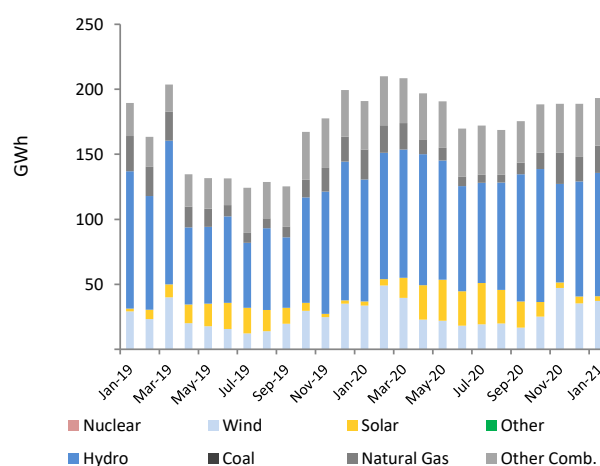
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

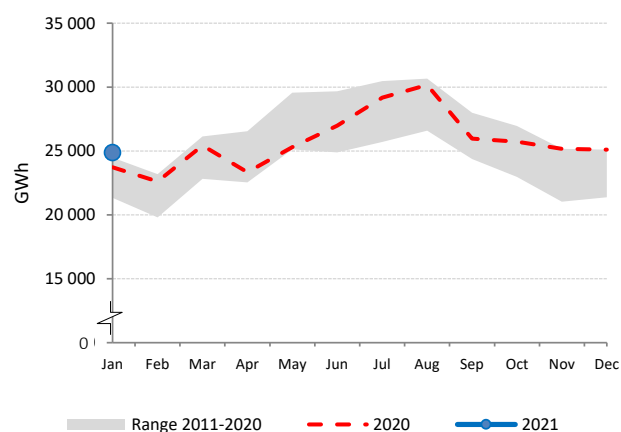


MEXICO

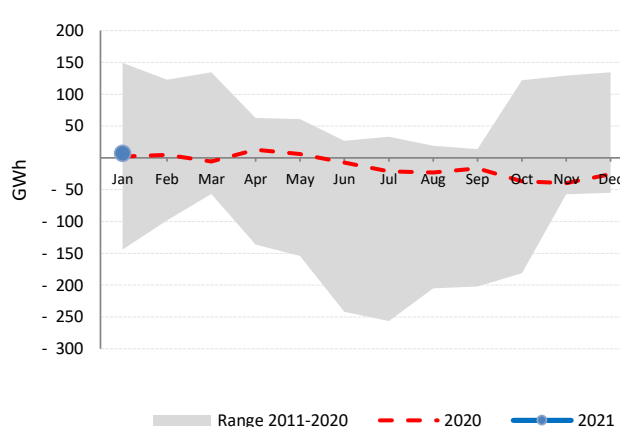
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	19,409.0	5.3%	-0.2%	78.0%	18,431.1	235,802.7	76.4%
Coal	1,324.6	-20.1%	10.5%	5.3%	1,658.4	16,456.1	5.3%
Oil ⁴	2,614.9	7.8%	-0.9%	10.5%	2,425.2	31,716.4	10.3%
Natural Gas ⁴	15,240.6	7.8%	-0.9%	61.3%	14,135.2	184,854.1	59.9%
Combustible Renewables ⁴	190.7	7.8%	-0.9%	0.8%	176.9	2,313.3	0.7%
Other Combustibles ⁴	38.2	7.8%	-0.9%	0.2%	35.4	462.9	0.1%
Nuclear	372.0	-65.8%	-46.0%	1.5%	1,088.8	10,977.9	3.6%
Hydro	1,857.7	53.3%	2.3%	7.5%	1,211.5	27,136.7	8.8%
Wind	1,947.7	0.3%	0.4%	7.8%	1,941.9	19,426.7	6.3%
Solar	897.0	48.2%	2.6%	3.6%	605.1	10,561.5	3.4%
Geothermal	387.6	-15.0%	11.0%	1.6%	456.1	4,785.9	1.6%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	5,280.6	20.2%	2.1%	21.2%	4,391.5	64,224.1	20.8%
NON-RENEWABLES	19,590.4	1.3%	-1.7%	78.8%	19,343.0	244,467.3	79.2%
TOTAL NET PRODUCTION	24,871.0	4.8%	-0.9%		23,734.5	308,691.4	
+ Imports	6.2	-77.3%	-89.5%		27.3	570.0	
- Exports	13.3	-54.6%	-60.2%		29.3	419.3	
= ELECTRICITY SUPPLIED	24,863.9	4.8%	-1.1%		23,732.5	308,842.1	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses ⁴	3,665.7	4.7%	-1.2%		3,501.4	45,570.3	
= ELECTRICITY CONSUMED	21,198.2	4.8%	-1.1%		20,231.1	263,271.8	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change

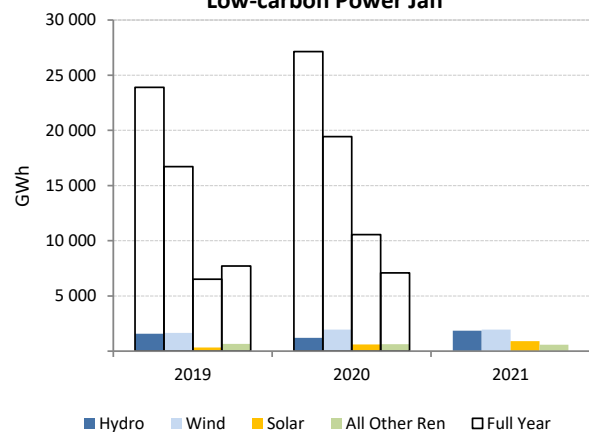
Electricity Production



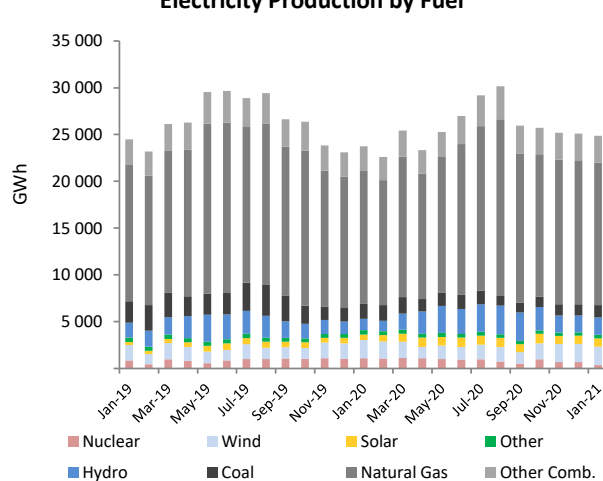
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

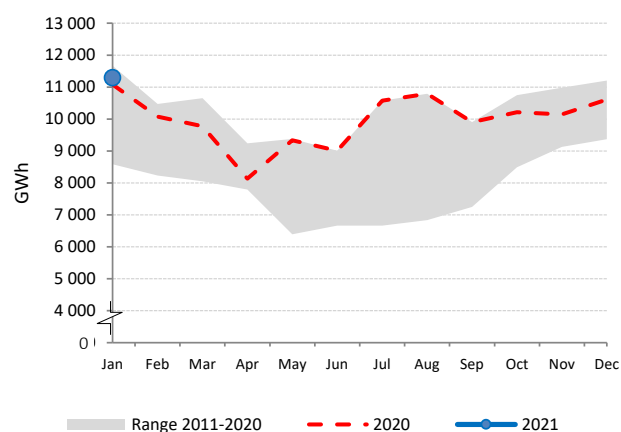


NETHERLANDS

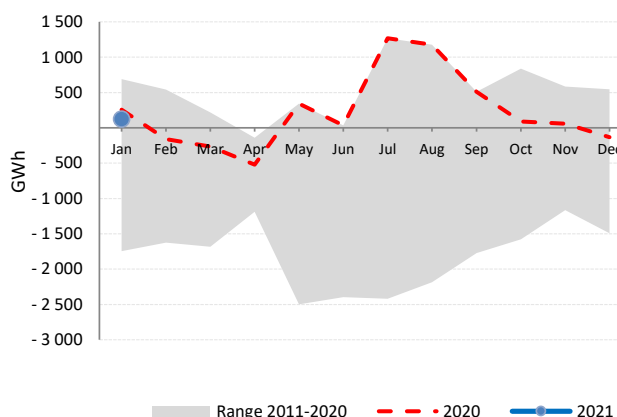
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	8,874.3	-1.9%	7.4%	78.6%	9,050.7	91,405.0	76.4%
Coal	1,603.3	71.2%	47.8%	14.2%	936.5	9,644.7	8.1%
Oil	87.4	-33.4%	4.5%	0.8%	131.3	1,161.3	1.0%
Natural Gas	5,943.6	-18.4%	-0.4%	52.7%	7,282.8	69,465.8	58.1%
Combustible Renewables	1,058.8	93.8%	12.3%	9.4%	546.3	8,989.6	7.5%
Other Combustibles	181.2	17.8%	-3.6%	1.6%	153.8	2,143.5	1.8%
Nuclear	357.8	-0.8%	0.1%	3.2%	360.7	3,864.9	3.2%
Hydro	7.5	-28.6%	2.1%	0.1%	10.5	46.3	0.0%
Wind	1,801.7	20.4%	0.3%	16.0%	1,496.5	15,339.5	12.8%
Solar	197.6	76.1%	48.4%	1.8%	112.2	8,391.6	7.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	49.7	-	-	0.4%	49.7	596.2	0.5%
RENEWABLES	3,065.6	41.6%	6.5%	27.2%	2,165.6	32,767.0	27.4%
NON-RENEWABLES	8,223.0	-7.8%	6.4%	72.8%	8,914.7	86,876.4	72.6%
TOTAL NET PRODUCTION	11,288.6	1.9%	6.4%		11,080.3	119,643.5	
+ Imports	1,541.8	-11.7%	-10.7%		1,746.3	19,773.5	
- Exports	1,666.5	-16.8%	4.4%		2,002.1	22,432.7	
= ELECTRICITY SUPPLIED	11,163.9	3.1%	4.0%		10,824.5	116,984.3	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses ⁴	444.1	-5.2%	1.3%		468.2	4,788.6	
= ELECTRICITY CONSUMED	10,719.8	3.5%	4.1%		10,356.2	112,195.8	

¹ current month to month of last year change⁴ estimated² month-to-month change

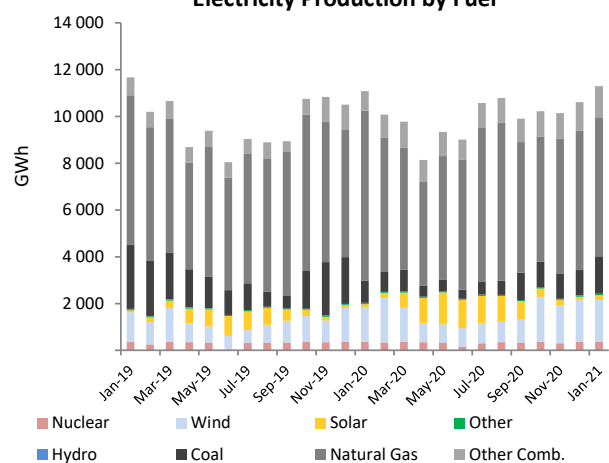
Electricity Production



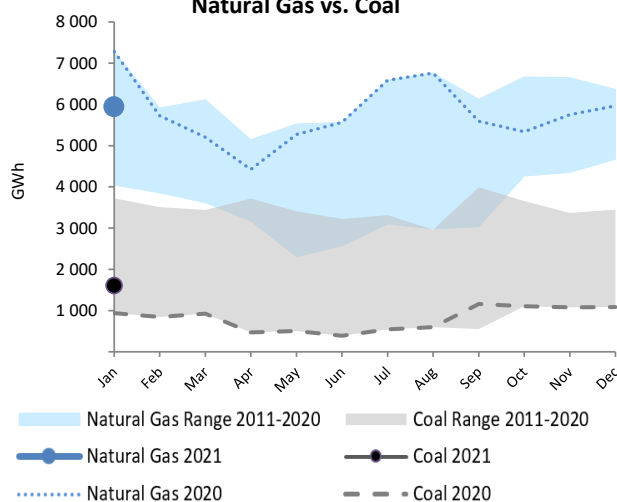
Net Electricity Exports



Electricity Production by Fuel



Natural Gas vs. Coal



NEW ZEALAND

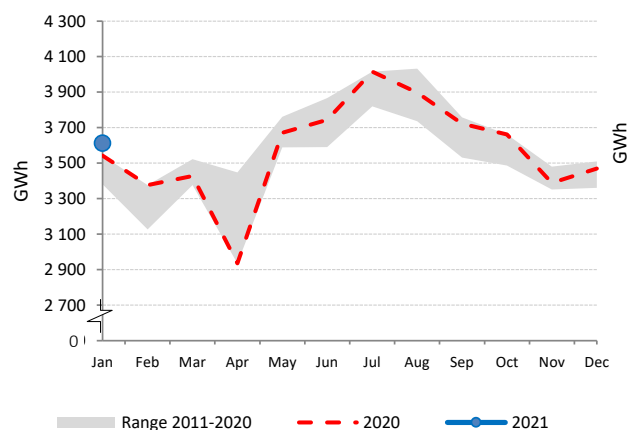
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	807.0	19.2%	59.4%	22.3%	677.2	8,799.6	20.5%
Coal	143.1	-29.8%	4.8%	4.0%	203.7	2,170.7	5.1%
Oil	0.4	52.9%	-81.0%	0.0%	0.3	20.4	0.0%
Natural Gas	610.8	46.2%	98.2%	16.9%	417.7	6,028.7	14.1%
Combustible Renewables	52.7	-5.1%	-11.1%	1.5%	55.5	579.9	1.4%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	1,925.6	-4.0%	-6.7%	53.3%	2,006.7	23,982.5	56.0%
Wind	205.9	3.3%	-7.9%	5.7%	199.3	2,279.3	5.3%
Solar	13.4	10.4%	-31.0%	0.4%	12.1	148.1	0.3%
Geothermal	656.2	2.1%	0.5%	18.2%	643.0	7,597.9	17.7%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	3.8	-	-	0.1%	3.8	45.4	0.1%
RENEWABLES	2,853.9	-2.2%	-5.5%	79.0%	2,916.7	34,587.7	80.7%
NON-RENEWABLES	758.1	21.2%	68.2%	21.0%	625.5	8,265.2	19.3%
TOTAL NET PRODUCTION	3,611.9	2.0%	4.1%		3,542.2	42,852.9	
+ Imports	-	-	-		-	-	
- Exports	-	-	-		-	-	
= ELECTRICITY SUPPLIED	3,611.9	2.0%	4.1%		3,542.2	42,852.9	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses	219.2	-6.0%	-4.1%		233.2	2,765.4	
= ELECTRICITY CONSUMED	3,392.8	2.5%	4.7%		3,308.9	40,087.5	

¹ current month to month of last year change

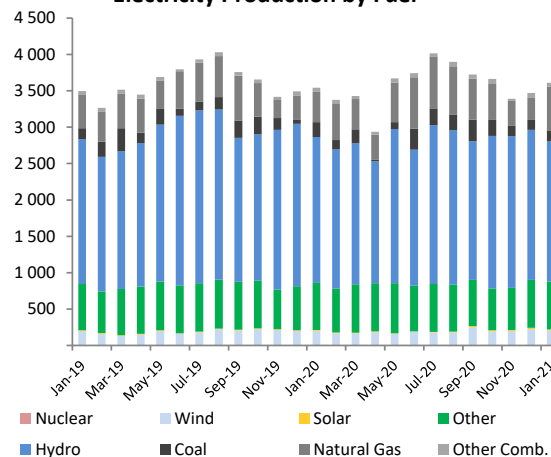
January 2021 is estimated by the IEA Secretariat

² month-to-month change

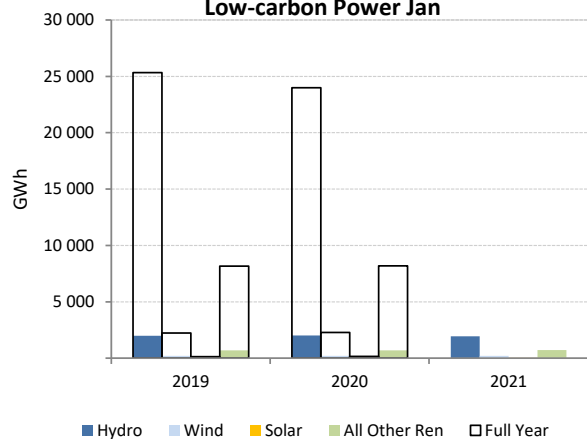
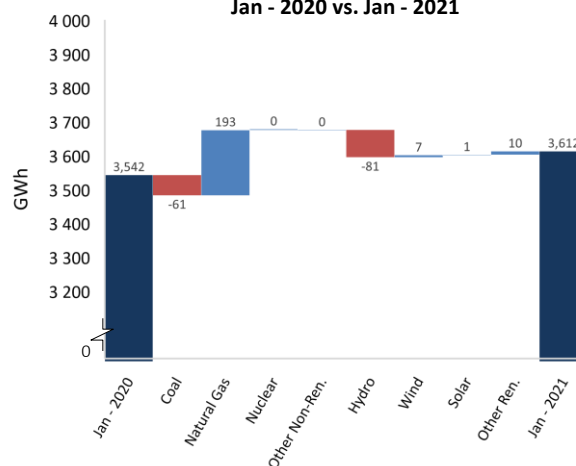
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

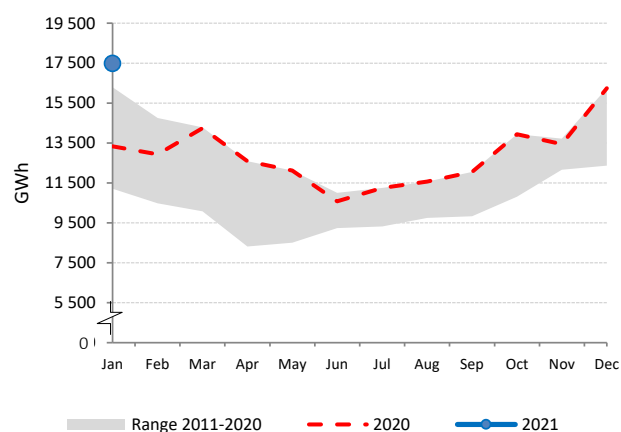
Electricity Production Variation
Jan - 2020 vs. Jan - 2021

NORWAY

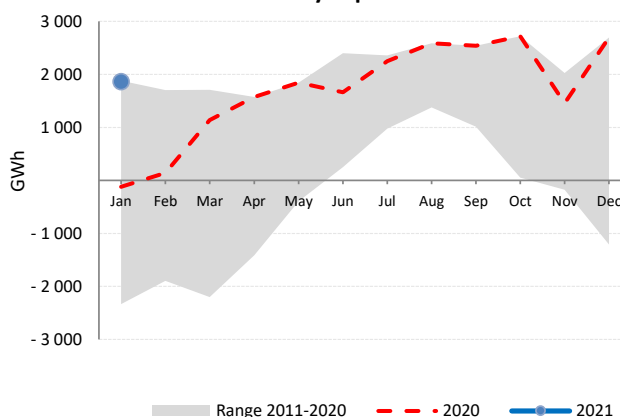
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	116.5	-55.4%	-6.1%	0.7%	261.3	2,408.8	1.6%
Coal ⁴	61.8	292.2%	199.3%	0.4%	15.8	184.6	0.1%
Oil ⁴	6.5	292.3%	199.3%	0.0%	1.7	19.5	0.0%
Natural Gas ⁵	-	-	-	-	205.9	1,629.4	1.1%
Combustible Renewables	16.0	-20.8%	-15.4%	0.1%	20.2	253.8	0.2%
Other Combustibles	32.1	80.5%	-61.0%	0.2%	17.8	321.5	0.2%
Nuclear	-	-	-	-	-	-	-
Hydro	16,475.1	37.0%	11.8%	94.2%	12,026.7	141,686.5	91.8%
Wind	869.1	-14.8%	-35.8%	5.0%	1,020.2	9,870.8	6.4%
Solar	0.3	-	35.9%	0.0%	0.3	12.8	0.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	25.8	-	-	0.1%	25.8	309.7	0.2%
RENEWABLES	17,360.5	32.9%	7.8%	99.3%	13,067.3	151,823.9	98.4%
NON-RENEWABLES	126.3	-52.7%	-3.5%	0.7%	266.9	2,464.8	1.6%
TOTAL NET PRODUCTION	17,486.8	31.1%	7.7%		13,334.3	154,288.6	
+ Imports	405.0	-62.1%	9.8%		1,067.4	4,496.1	
- Exports	2,269.0	139.7%	-25.9%		946.5	24,967.9	
= ELECTRICITY SUPPLIED	15,622.8	16.1%	15.3%		13,455.1	133,816.9	
- Used for pumped storage	7.9	-92.4%	-66.0%		105.0	1,132.1	
- T&D Losses	1,070.3	30.9%	7.6%		817.9	9,457.0	
= ELECTRICITY CONSUMED	14,544.6	16.1%	16.1%		12,532.3	123,227.8	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change⁵ Monthly figures are confidential. Natural gas is included in other combustibles

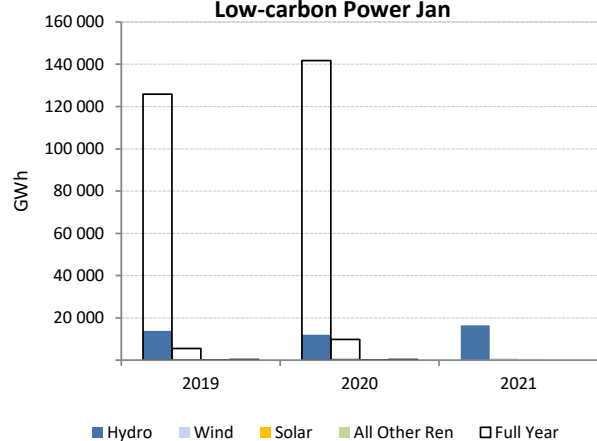
Electricity Production



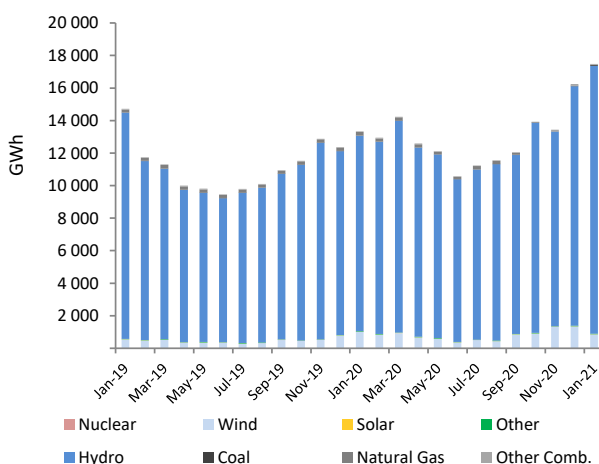
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

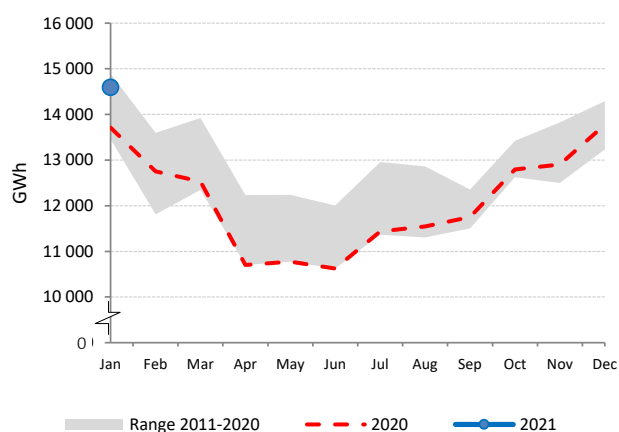


POLAND

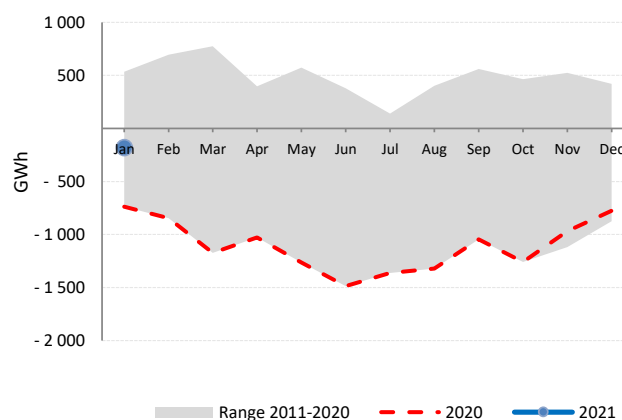
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	12,998.5	12.5%	10.7%	89.1%	11,554.7	124,891.7	86.0%
Coal	10,651.7	14.3%	15.1%	73.0%	9,317.3	100,138.0	68.9%
Oil ⁴	-	-100.0%	-100.0%	-	-	1,798.1	1.2%
Natural Gas	1,462.3	16.3%	-5.6%	10.0%	1,257.0	14,781.4	10.2%
Combustible Renewables	636.6	-8.7%	-8.6%	4.4%	697.4	7,646.5	5.3%
Other Combustibles	248.0	478.9%	404.3%	1.7%	42.8	527.6	0.4%
Nuclear	-	-	-	-	-	-	-
Hydro	287.9	20.1%	8.3%	2.0%	239.8	2,927.0	2.0%
Wind	1,258.1	-32.8%	-26.0%	8.6%	1,871.0	15,313.8	10.5%
Solar	31.3	25.7%	-33.9%	0.2%	24.9	1,932.2	1.3%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	19.1	-	-	0.1%	19.1	228.6	0.2%
RENEWABLES	2,213.8	-21.9%	-18.3%	15.2%	2,833.0	27,819.5	19.1%
NON-RENEWABLES	12,381.0	13.8%	11.9%	84.8%	10,636.2	117,473.8	80.9%
TOTAL NET PRODUCTION	14,594.8	6.5%	6.0%		13,469.2	145,293.3	
+ Imports	1,181.0	-36.9%	-29.7%		1,872.4	20,624.1	
- Exports	999.4	-11.9%	10.6%		1,134.7	7,357.1	
= ELECTRICITY SUPPLIED	14,776.4	2.3%	1.6%		14,206.9	158,560.4	
- Used for pumped storage	141.7	17.9%	-16.1%		120.2	1,181.0	
- T&D Losses	679.4	-17.6%	-29.0%		824.2	10,805.6	
= ELECTRICITY CONSUMED	13,955.3	3.4%	4.0%		13,262.5	146,573.7	

¹ current month to month of last year change⁴ monthly figures are confidential² month-to-month change

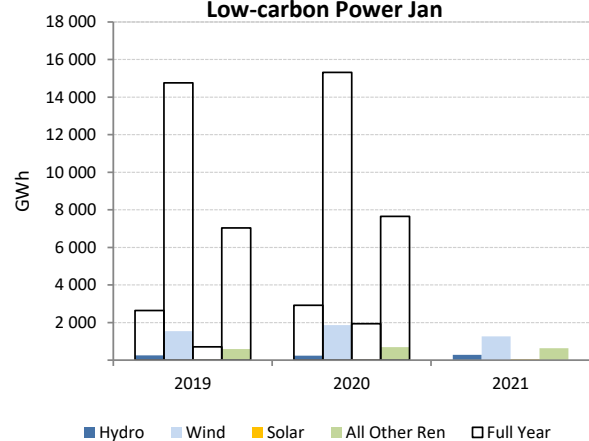
Electricity Production



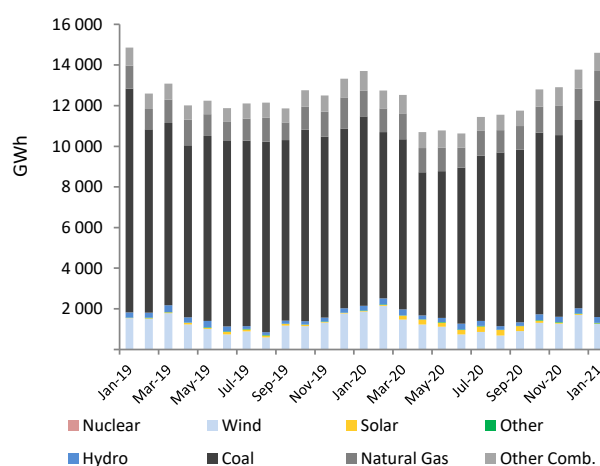
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

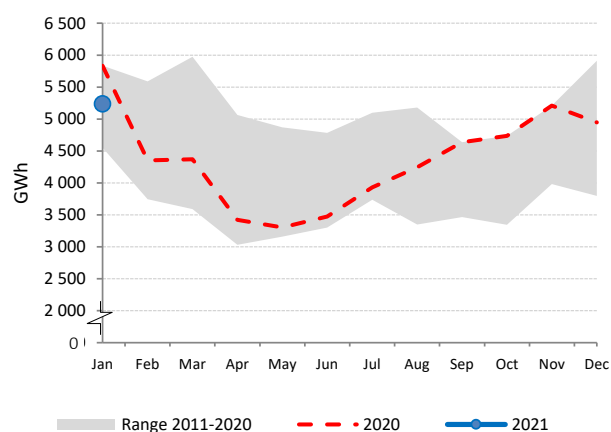


PORTUGAL

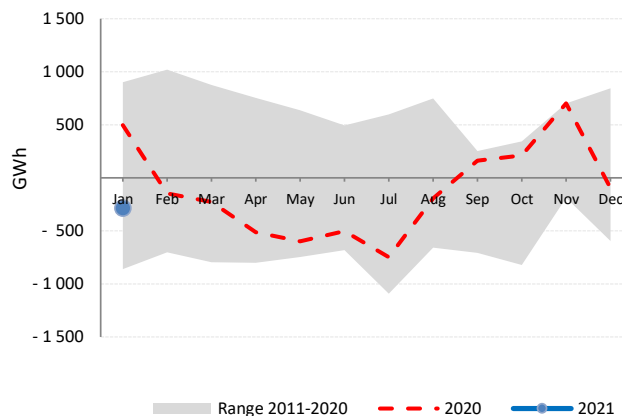
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	1,905.2	-15.7%	14.9%	36.4%	2,259.1	24,408.7	46.5%
Coal	198.3	65.1%	20.9%	3.8%	120.1	2,309.3	4.4%
Oil	98.0	-10.6%	14.8%	1.9%	109.7	1,198.2	2.3%
Natural Gas	1,252.4	-26.4%	18.8%	23.9%	1,700.6	17,081.7	32.6%
Combustible Renewables	332.4	9.0%	0.4%	6.4%	304.9	3,568.7	6.8%
Other Combustibles	24.0	1.0%	4.5%	0.5%	23.8	250.8	0.5%
Nuclear	-	-	-	-	-	-	-
Hydro	1,739.9	-18.9%	8.3%	33.2%	2,146.0	13,962.4	26.6%
Wind	1,469.7	10.9%	-6.3%	28.1%	1,325.5	12,172.2	23.2%
Solar	101.2	18.2%	12.7%	1.9%	85.6	1,709.3	3.3%
Geothermal	18.2	4.3%	-27.2%	0.3%	17.4	203.4	0.4%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	3,661.3	-5.6%	1.1%	70.0%	3,879.4	31,616.0	60.3%
NON-RENEWABLES	1,572.8	-19.5%	18.6%	30.0%	1,954.2	20,840.0	39.7%
TOTAL NET PRODUCTION	5,234.1	-10.3%	5.8%		5,833.6	52,456.0	
+ Imports	816.0	74.7%	23.9%		467.1	7,553.3	
- Exports	532.7	-44.7%	-5.1%		963.6	6,098.2	
= ELECTRICITY SUPPLIED	5,517.3	3.4%	9.4%		5,337.1	53,911.1	
- Used for pumped storage	238.5	17.5%	11.3%		203.0	1,986.6	
- T&D Losses	539.8	5.1%	11.1%		513.5	5,201.4	
= ELECTRICITY CONSUMED	4,739.1	2.6%	9.1%		4,620.6	46,723.1	

¹ current month to month of last year change² month-to-month change

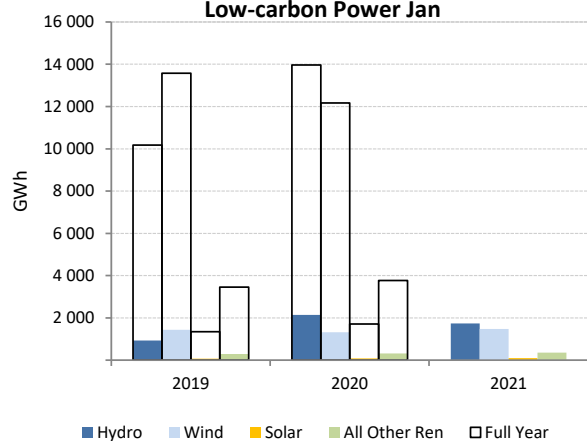
Electricity Production



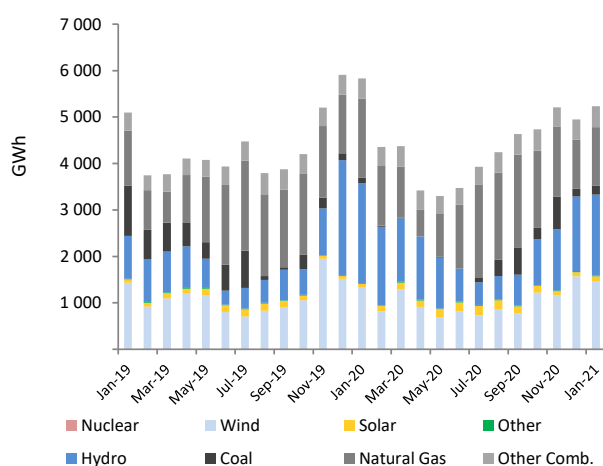
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

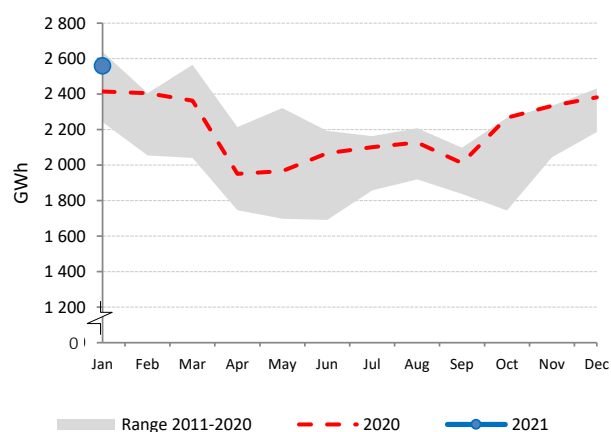


SLOVAK REPUBLIC

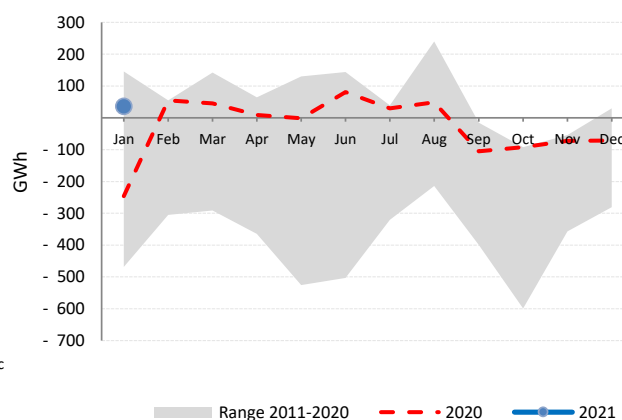
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	830.2	6.7%	15.2%	32.4%	778.2	6,979.3	26.4%
Coal	153.3	-43.3%	-19.1%	6.0%	270.5	1,630.7	6.2%
Oil	35.0	9.7%	6.3%	1.4%	31.9	374.0	1.4%
Natural Gas	478.0	35.9%	33.6%	18.7%	351.8	3,483.0	13.2%
Combustible Renewables	159.8	31.7%	16.2%	6.2%	121.4	1,462.9	5.5%
Other Combustibles	4.1	58.2%	51.1%	0.2%	2.6	28.7	0.1%
Nuclear	1,339.5	1.2%	0.1%	52.4%	1,323.8	14,052.9	53.2%
Hydro	367.2	26.2%	18.0%	14.4%	291.0	4,673.9	17.7%
Wind	-	-	-	-	-	-	-
Solar	18.0	-5.3%	80.0%	0.7%	19.0	656.0	2.5%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	3.7	20.0%	20.0%	0.1%	3.1	30.0	0.1%
RENEWABLES	545.0	26.3%	18.8%	21.3%	431.4	6,792.8	25.7%
NON-RENEWABLES	2,013.6	1.5%	4.7%	78.7%	1,983.6	19,599.4	74.3%
TOTAL NET PRODUCTION	2,558.6	5.9%	7.4%		2,415.1	26,392.2	
+ Imports	858.1	-53.4%	-36.4%		1,841.3	13,287.0	
- Exports	894.1	-43.9%	-30.0%		1,595.1	12,968.1	
= ELECTRICITY SUPPLIED	2,522.7	-5.2%	2.8%		2,661.2	26,711.1	
- Used for pumped storage	42.8	8.1%	5.3%		39.6	414.5	
- T&D Losses ⁴	145.5	-19.7%	-8.4%		181.2	1,689.4	
= ELECTRICITY CONSUMED	2,334.3	-4.3%	3.6%		2,440.3	24,607.1	

¹ current month to month of last year change⁴ estimated² month-to-month change

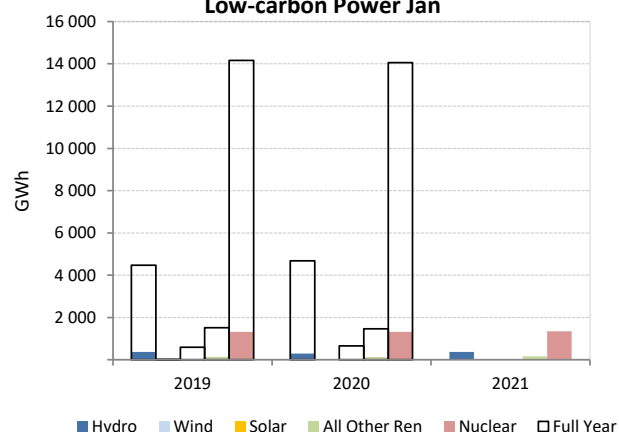
Electricity Production



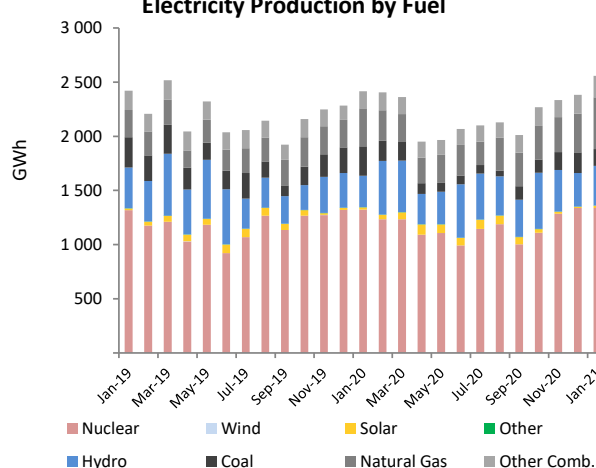
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

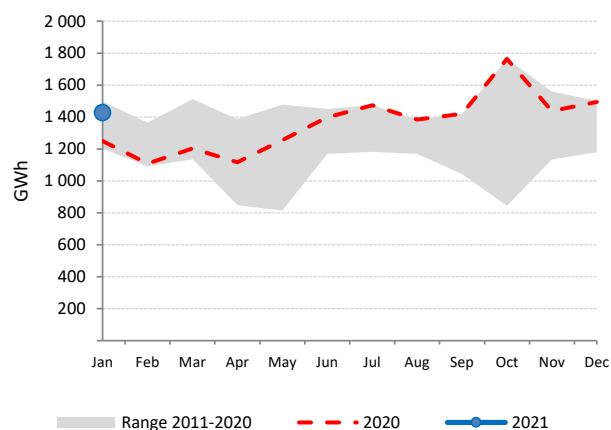


SLOVENIA

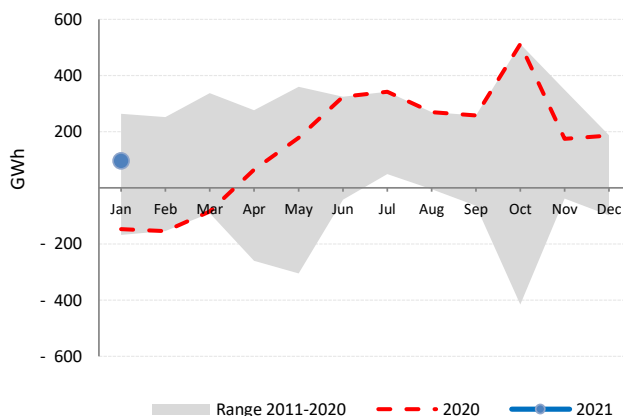
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	465.4	19.4%	-2.8%	32.6%	389.7	4,697.5	28.8%
Coal	383.9	28.3%	-2.1%	26.9%	299.2	3,922.5	24.1%
Oil	0.1	-95.5%	-90.2%	0.0%	1.1	6.8	0.0%
Natural Gas	59.1	-9.0%	-7.6%	4.1%	65.0	532.0	3.3%
Combustible Renewables	21.6	-7.9%	-0.9%	1.5%	23.4	227.1	1.4%
Other Combustibles	0.8	-12.4%	13.8%	0.1%	0.9	9.0	0.1%
Nuclear	517.0	-0.2%	5.9%	36.2%	518.3	6,040.8	37.0%
Hydro	436.3	33.7%	-15.4%	30.6%	326.3	5,236.3	32.1%
Wind	0.6	19.9%	-21.4%	0.0%	0.5	6.2	0.0%
Solar	7.3	-49.0%	-35.7%	0.5%	14.4	324.7	2.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	465.8	27.8%	-15.2%	32.7%	364.5	5,794.4	35.5%
NON-RENEWABLES	960.8	8.6%	1.6%	67.3%	884.5	10,511.2	64.5%
TOTAL NET PRODUCTION	1,426.6	14.2%	-4.6%		1,249.0	16,305.6	
+ Imports	781.1	0.4%	41.2%		778.2	7,120.0	
- Exports	877.2	39.1%	18.6%		630.8	9,044.8	
= ELECTRICITY SUPPLIED	1,330.4	-4.7%	1.7%		1,396.4	14,380.8	
- Used for pumped storage	36.1	0.1%	-6.5%		36.1	390.9	
- T&D Losses	108.7	0.8%	-4.9%		107.8	847.9	
= ELECTRICITY CONSUMED	1,185.7	-5.3%	2.6%		1,252.6	13,142.0	

¹ current month to month of last year change² month-to-month change

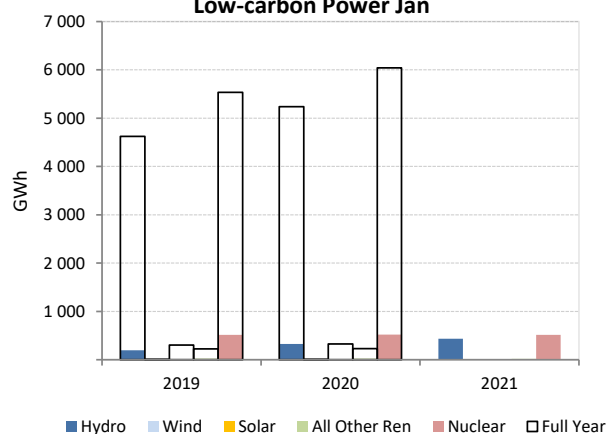
Electricity Production



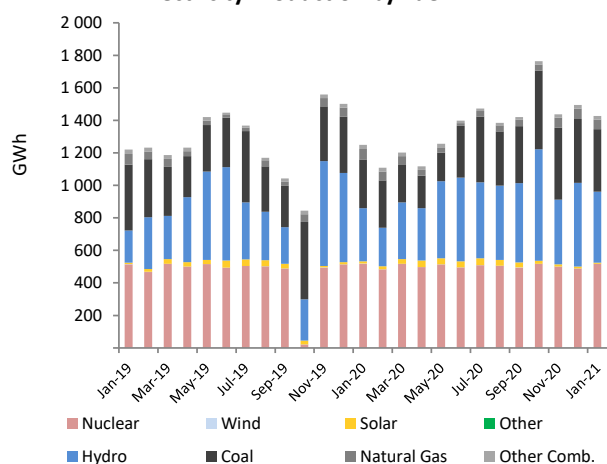
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

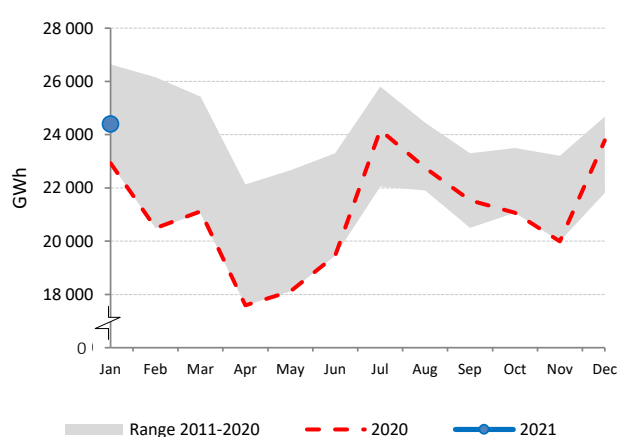


SPAIN

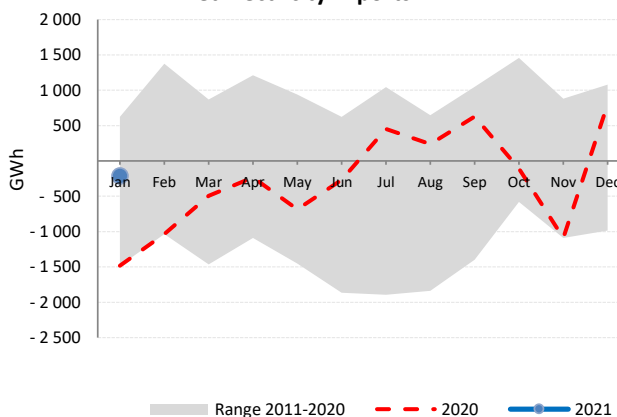
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	6,834.0	-18.3%	0.3%	28.0%	8,366.2	89,581.5	35.4%
Coal	592.1	-35.6%	85.8%	2.4%	919.0	5,329.6	2.1%
Oil	920.7	-13.3%	-1.5%	3.8%	1,061.7	10,745.2	4.2%
Natural Gas	4,708.9	-19.4%	-3.7%	19.3%	5,839.2	66,475.0	26.3%
Combustible Renewables	534.4	12.4%	-9.8%	2.2%	475.3	6,173.3	2.4%
Other Combustibles	78.0	9.7%	-3.0%	0.3%	71.1	858.3	0.3%
Nuclear	5,199.8	-1.7%	-1.3%	21.3%	5,289.2	55,756.5	22.0%
Hydro	4,382.4	10.5%	25.0%	18.0%	3,966.2	33,340.0	13.2%
Wind	7,032.5	53.1%	-4.7%	28.8%	4,594.1	54,423.9	21.5%
Solar	932.6	32.6%	15.8%	3.8%	703.0	19,781.3	7.8%
Geothermal	-	-	-	-	-	-	-
Other Renewables	1.6	-	-	0.0%	1.6	19.0	0.0%
Non-Specified	10.4	-	-	0.0%	10.4	125.0	0.0%
RENEWABLES	12,883.4	32.3%	4.9%	52.8%	9,740.3	113,737.5	45.0%
NON-RENEWABLES	11,509.8	-12.7%	0.0%	47.2%	13,190.5	139,289.6	55.0%
TOTAL NET PRODUCTION	24,393.3	6.4%	2.5%		22,930.8	253,027.1	
+ Imports	1,761.6	-24.7%	51.5%		2,340.9	17,928.4	
- Exports	1,546.6	80.1%	-21.2%		858.5	14,648.8	
= ELECTRICITY SUPPLIED	24,608.2	0.8%	7.0%		24,413.1	256,306.7	
- Used for pumped storage	577.1	53.0%	16.0%		377.3	4,606.6	
- T&D Losses	2,234.8	0.2%	6.8%		2,230.1	23,355.5	
= ELECTRICITY CONSUMED	21,796.4	0.0%	6.8%		21,805.8	228,344.6	

¹ current month to month of last year change² month-to-month change

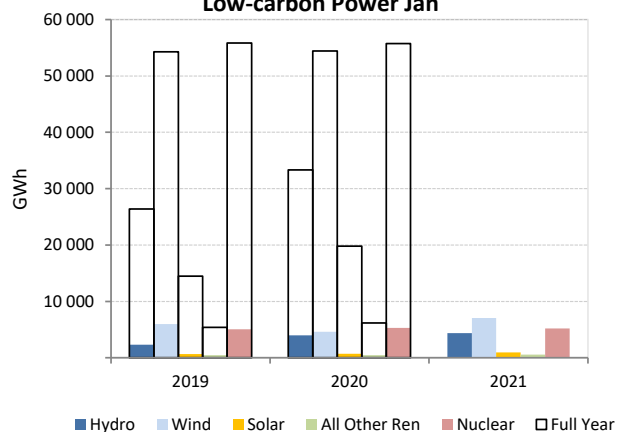
Electricity Production



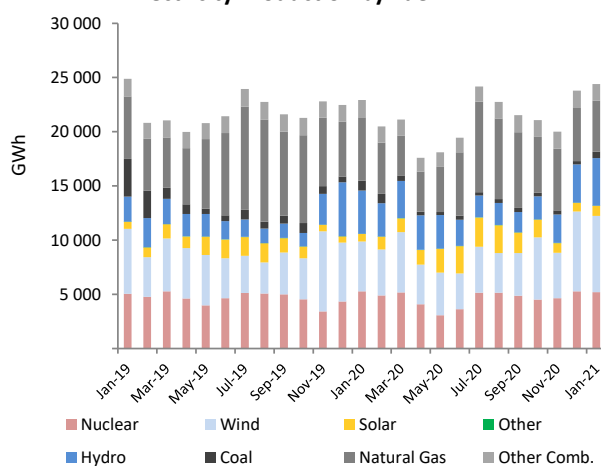
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

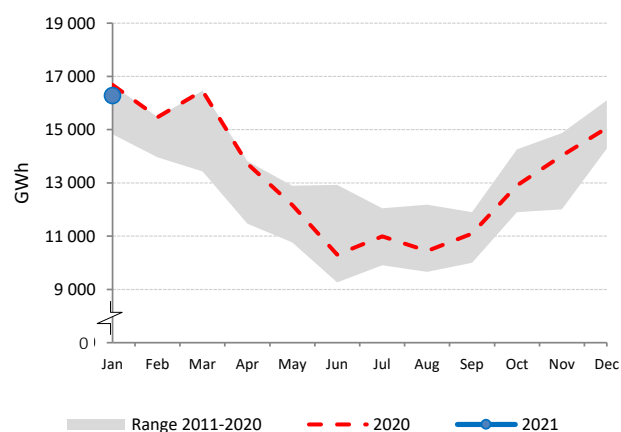


SWEDEN

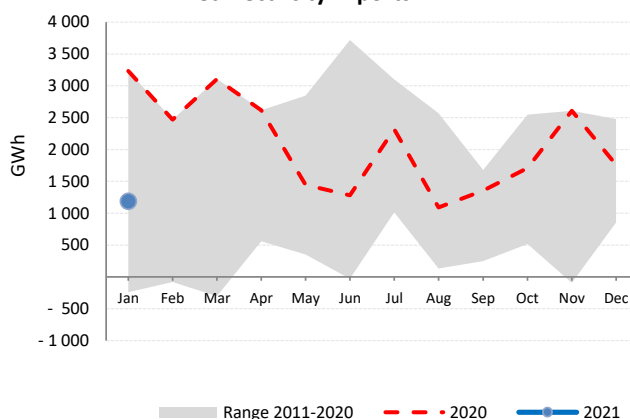
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	1,739.3	20.6%	29.4%	10.7%	1,442.7	12,299.9	7.7%
Coal	7.5	797.4%	178.7%	0.0%	0.8	8.5	0.0%
Oil	47.3	582.3%	466.5%	0.3%	6.9	103.5	0.1%
Natural Gas	48.4	643.0%	508.2%	0.3%	6.5	54.7	0.0%
Combustible Renewables	1,450.1	14.3%	24.9%	8.9%	1,268.2	10,606.4	6.7%
Other Combustibles	186.0	16.1%	13.4%	1.1%	160.2	1,526.8	1.0%
Nuclear	4,981.3	-13.5%	10.0%	30.6%	5,760.2	47,262.7	29.7%
Hydro	7,926.0	32.9%	10.8%	48.7%	5,962.9	71,596.6	44.9%
Wind	1,621.9	-53.7%	-20.1%	10.0%	3,504.1	27,512.4	17.3%
Solar⁴	12.5	-	5.6%	0.1%	12.5	679.0	0.4%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	11,010.5	2.4%	6.3%	67.6%	10,747.7	110,394.5	69.3%
NON-RENEWABLES	5,270.5	-11.2%	11.9%	32.4%	5,934.6	48,956.2	30.7%
TOTAL NET PRODUCTION	16,281.0	-2.4%	8.1%		16,682.3	159,350.6	
+ Imports	1,374.0	287.1%	-5.1%		355.0	11,826.4	
- Exports	2,558.3	-28.7%	-20.3%		3,588.1	36,823.9	
= ELECTRICITY SUPPLIED	15,096.7	12.2%	13.5%		13,449.2	134,353.1	
- Used for pumped storage	0.7	-5.3%	-55.1%		0.8	22.1	
- T&D Losses	1,113.6	-5.1%	-9.0%		1,174.0	10,883.4	
= ELECTRICITY CONSUMED	13,982.4	13.9%	15.8%		12,274.5	123,447.5	

¹ current month to month of last year change⁴ estimated by the IEA secretariat² month-to-month change

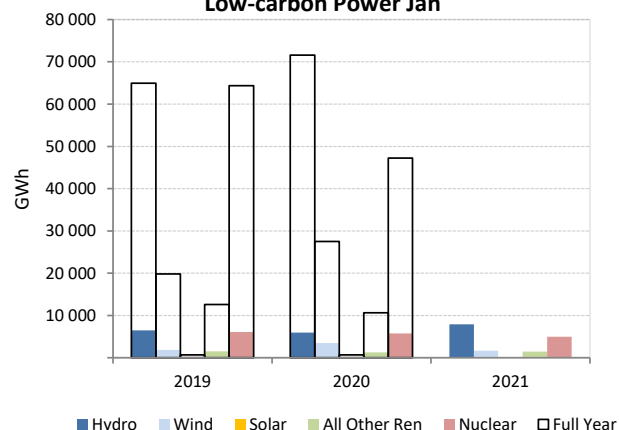
Electricity Production



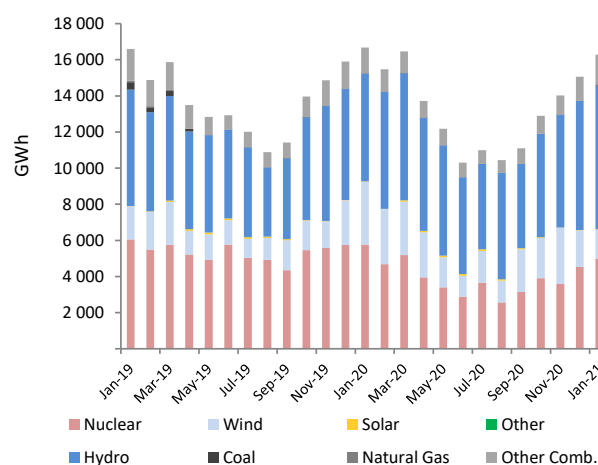
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

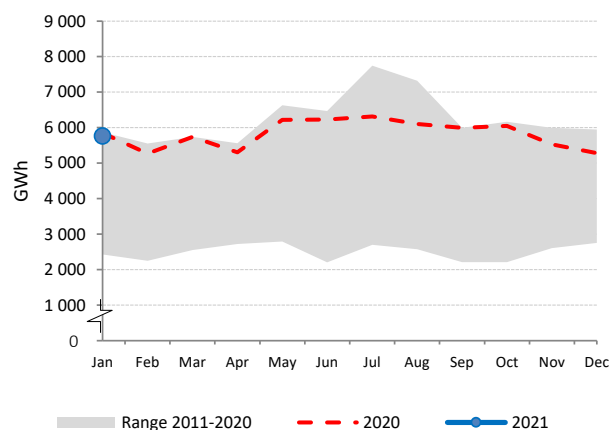


SWITZERLAND

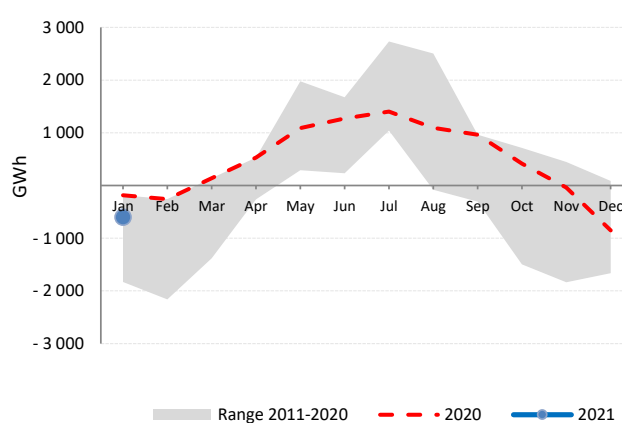
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	283.0	-17.4%	-11.6%	4.9%	342.6	3,647.6	5.2%
Coal	-	-	-	-	-	-	-
Oil	1.9	50.0%	50.0%	0.0%	1.3	14.9	0.0%
Natural Gas	38.6	-18.3%	-13.4%	0.7%	47.3	504.6	0.7%
Combustible Renewables	144.5	-16.5%	-10.6%	2.5%	173.0	1,840.3	2.6%
Other Combustibles	98.0	-19.0%	-13.1%	1.7%	121.0	1,287.8	1.8%
Nuclear	2,147.0	-1.8%	9.1%	37.3%	2,187.0	22,991.0	32.9%
Hydro	3,276.0	1.7%	11.4%	56.8%	3,220.0	40,621.1	58.1%
Wind	16.9	6.3%	6.3%	0.3%	15.9	142.9	0.2%
Solar	40.0	-50.0%	8.7%	0.7%	80.1	2,483.5	3.6%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	3,477.3	-0.3%	10.2%	60.3%	3,488.9	45,087.9	64.5%
NON-RENEWABLES	2,285.5	-3.0%	7.5%	39.7%	2,356.6	24,798.2	35.5%
TOTAL NET PRODUCTION	5,762.9	-1.4%	9.1%		5,845.5	69,886.1	
+ Imports	3,259.9	0.0%	-2.7%		3,258.9	26,987.1	
- Exports	2,654.9	-13.7%	6.2%		3,075.8	32,557.2	
= ELECTRICITY SUPPLIED	6,367.9	5.6%	3.8%		6,028.6	64,316.1	
- Used for pumped storage	274.0	33.0%	1.5%		206.0	4,459.0	
- T&D Losses	373.5	4.6%	-2.8%		357.1	4,040.9	
= ELECTRICITY CONSUMED	5,720.4	4.7%	4.4%		5,465.5	55,816.2	

¹ current month to month of last year change² month-to-month change

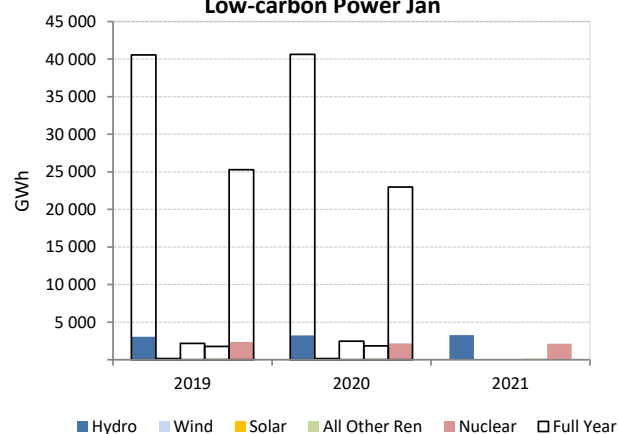
Electricity Production



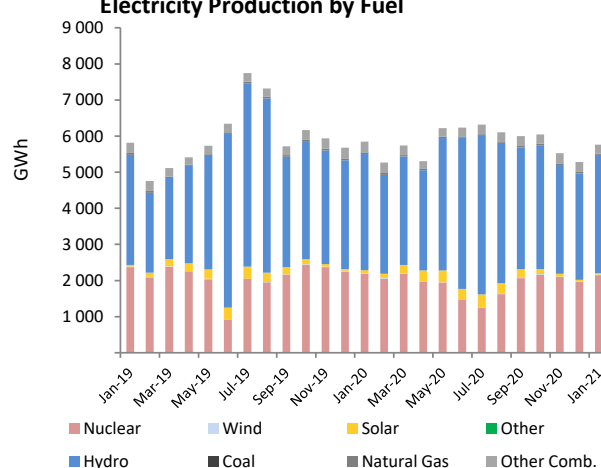
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

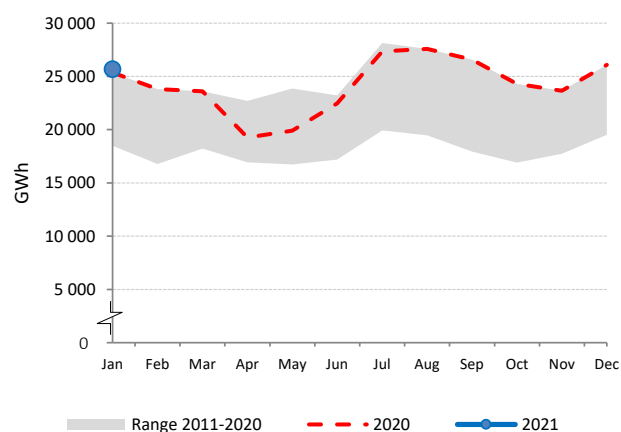


TURKEY

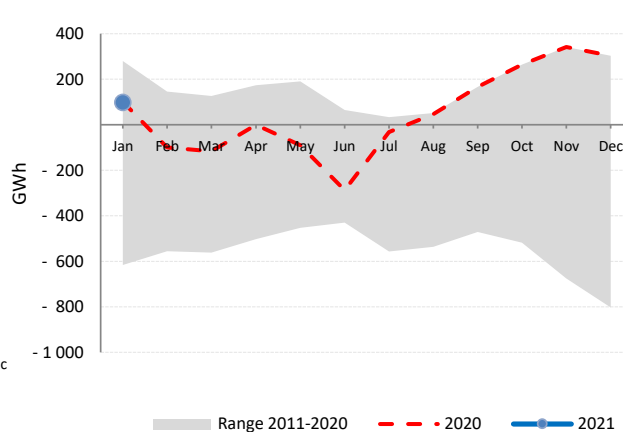
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	17,238.1	6.1%	-6.3%	67.1%	16,244.1	169,258.0	58.4%
Coal	8,763.6	-3.7%	-6.4%	34.1%	9,101.1	98,730.9	34.1%
Oil	21.0	-7.7%	-24.7%	0.1%	22.8	489.3	0.2%
Natural Gas	8,021.5	18.2%	-6.6%	31.2%	6,786.8	65,824.1	22.7%
Combustible Renewables	429.9	29.5%	6.8%	1.7%	331.8	4,192.4	1.4%
Other Combustibles	2.2	35.4%	-3.9%	0.0%	1.6	21.3	0.0%
Nuclear	-	-	-	-	-	-	-
Hydro	4,248.5	-21.9%	8.5%	16.5%	5,441.5	77,385.1	26.7%
Wind	2,882.3	19.7%	17.9%	11.2%	2,407.5	24,767.5	8.5%
Solar	500.9	-2.6%	-5.8%	2.0%	514.3	10,105.9	3.5%
Geothermal	697.2	4.1%	-0.2%	2.7%	669.8	7,283.9	2.5%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	107.4	32.5%	9.2%	0.4%	81.1	1,134.1	0.4%
RENEWABLES	8,758.8	-6.5%	9.6%	34.1%	9,364.9	123,734.8	42.7%
NON-RENEWABLES	16,915.6	5.8%	-6.5%	65.9%	15,993.4	166,199.7	57.3%
TOTAL NET PRODUCTION	25,674.5	1.2%	-1.5%		25,358.3	289,934.5	
+ Imports	65.6	-48.3%	87.6%		126.8	1,888.3	
- Exports	164.3	-27.8%	-51.4%		227.5	2,484.3	
= ELECTRICITY SUPPLIED	25,575.8	1.3%	-0.8%		25,257.6	289,338.5	
- Used for pumped storage	-	-	-		-	-	
- T&D Losses ⁴	2,764.0	1.0%	-1.4%		2,736.6	31,336.5	
= ELECTRICITY CONSUMED	22,811.8	1.3%	-0.7%		22,521.0	258,002.0	

¹ current month to month of last year change⁴ estimated² month-to-month change

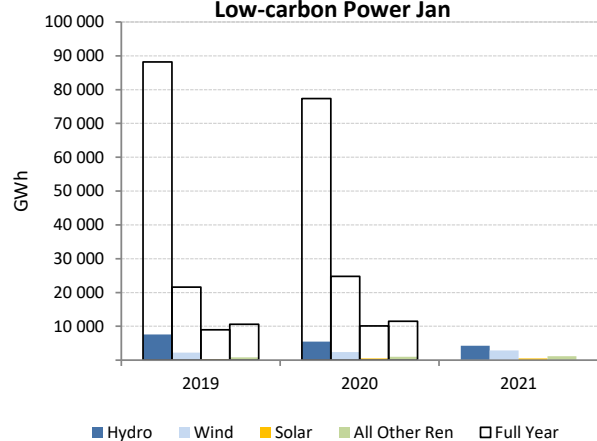
Electricity Production



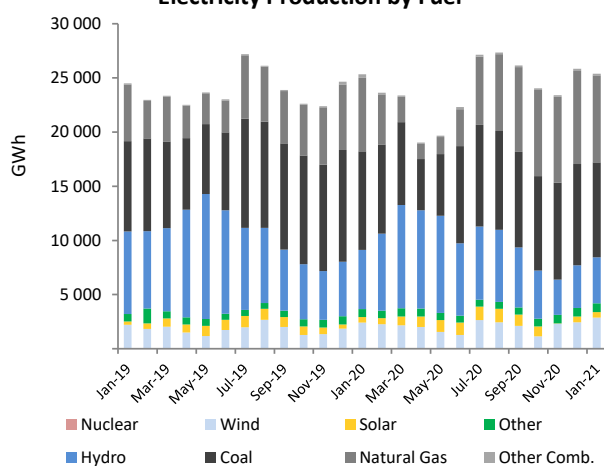
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

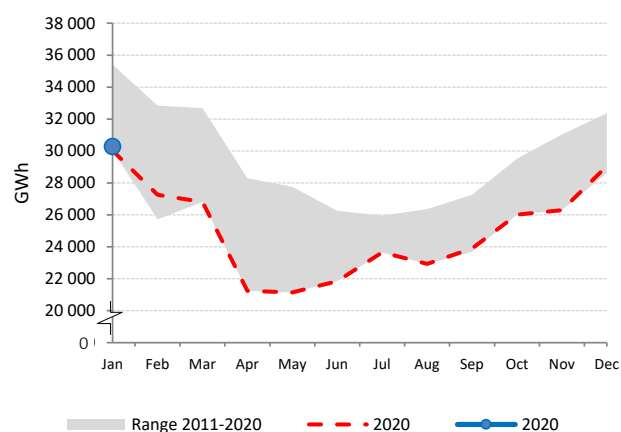


UNITED KINGDOM

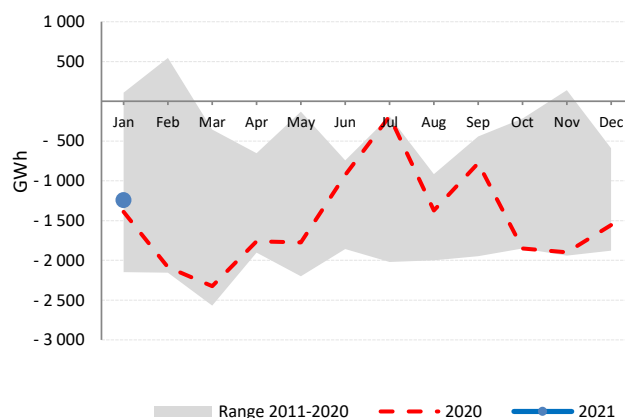
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	18,456.1	23.3%	14.4%	61.0%	14,972.0	157,784.1	52.6%
Coal	1,367.9	-21.4%	88.4%	4.5%	1,739.5	5,824.3	1.9%
Oil	148.6	58.0%	-10.8%	0.5%	94.1	1,161.9	0.4%
Natural Gas	13,043.0	42.7%	15.0%	43.1%	9,141.5	108,083.5	36.0%
Combustible Renewables	3,488.1	-2.1%	-1.2%	11.5%	3,561.1	38,064.0	12.7%
Other Combustibles	408.5	-6.3%	8.9%	1.3%	435.8	4,650.4	1.5%
Nuclear	4,137.0	-14.3%	-8.3%	13.7%	4,829.3	45,668.2	15.2%
Hydro	658.9	-23.8%	-21.7%	2.2%	864.6	7,551.9	2.5%
Wind	6,651.6	-25.2%	-8.3%	22.0%	8,897.5	76,092.7	25.3%
Solar	364.8	-20.5%	20.7%	1.2%	459.1	13,073.5	4.4%
Geothermal	-	-	-	-	-	-	-
Other Renewables	1.2	-	-	0.0%	1.2	14.0	0.0%
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	11,164.6	-19.0%	-6.4%	36.9%	13,783.5	134,795.9	44.9%
NON-RENEWABLES	19,105.0	17.6%	11.6%	63.1%	16,240.1	165,388.3	55.1%
TOTAL NET PRODUCTION	30,269.6	0.8%	4.2%		30,023.7	300,184.3	
+ Imports	2,131.9	17.0%	16.3%		1,822.6	22,390.7	
- Exports	890.3	105.7%	220.1%		432.7	4,480.8	
= ELECTRICITY SUPPLIED	31,511.2	0.3%	3.0%		31,413.5	318,094.1	
- Used for pumped storage	189.9	13.6%	0.8%		167.1	1,671.4	
- T&D Losses	3,191.1	3.9%	8.6%		3,070.7	28,034.3	
= ELECTRICITY CONSUMED	28,130.2	-0.2%	2.4%		28,175.6	288,388.4	

¹ current month to month of last year change² month-to-month change

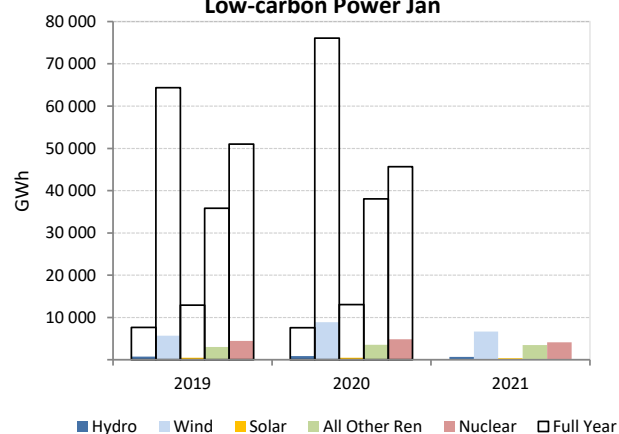
Electricity Production



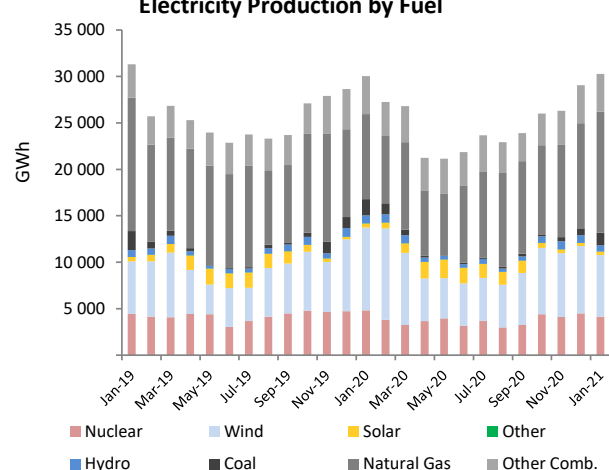
Net Electricity Exports



Low-carbon Power Jan



Electricity Production by Fuel

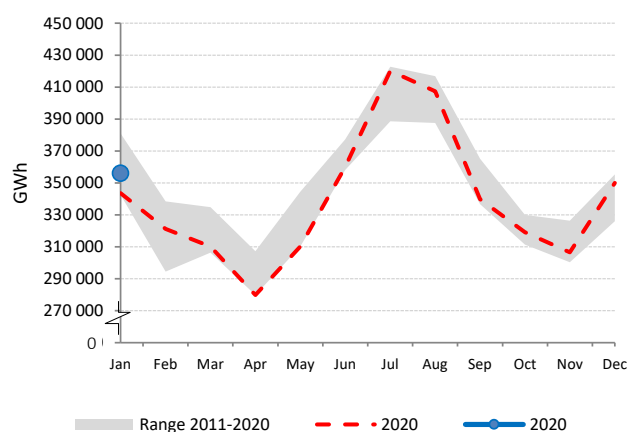


UNITED STATES

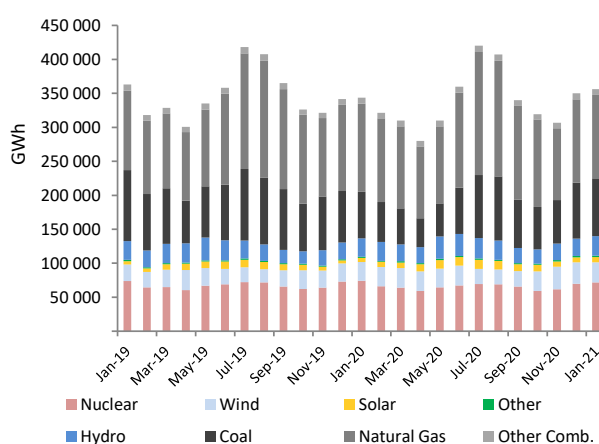
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	216,202.0	4.4%	1.2%	60.7%	207,009.0	2,488,237.5	61.2%
Coal	85,173.4	24.7%	3.9%	23.9%	68,283.1	807,804.4	19.9%
Oil	2,631.0	-18.7%	-8.1%	0.7%	3,235.2	35,616.6	0.9%
Natural Gas	122,633.6	-5.4%	-0.3%	34.4%	129,620.3	1,578,609.5	38.8%
Combustible Renewables	4,903.3	-1.7%	0.0%	1.4%	4,987.8	56,072.7	1.4%
Other Combustibles	860.8	-2.5%	-4.0%	0.2%	882.6	10,134.3	0.2%
Nuclear	71,847.7	-3.2%	2.8%	20.2%	74,219.8	790,120.3	19.4%
Hydro	28,910.1	6.7%	12.2%	8.1%	27,092.7	319,446.4	7.9%
Wind	29,713.1	7.1%	-6.3%	8.3%	27,732.3	331,176.9	8.1%
Solar	7,630.0	26.1%	6.6%	2.1%	6,048.6	118,869.7	2.9%
Geothermal	1,331.4	11.9%	-5.0%	0.4%	1,190.3	15,771.2	0.4%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	395.1	13.2%	-5.8%	0.1%	348.9	4,345.2	0.1%
RENEWABLES	72,487.9	8.1%	2.2%	20.4%	67,051.8	841,336.8	20.7%
NON-RENEWABLES	283,541.5	2.5%	1.6%	79.6%	276,589.9	3,226,630.3	79.3%
TOTAL NET PRODUCTION	356,029.4	3.6%	1.7%		343,641.8	4,067,967.1	
+ Imports	5,556.9	15.5%	15.6%		4,810.8	60,138.2	
- Exports	2,121.2	28.0%	14.5%		1,657.4	25,212.6	
= ELECTRICITY SUPPLIED	359,465.1	3.7%	1.9%		346,795.2	4,102,892.7	
- Used for pumped storage	1,805.4	-6.7%	-2.3%		1,935.7	26,437.5	
- T&D Losses	17,060.8	2.3%	-13.8%		16,674.7	203,706.1	
= ELECTRICITY CONSUMED	340,599.0	3.8%	2.8%		328,184.8	3,872,749.1	

¹ current month to month of last year change² month-to-month change

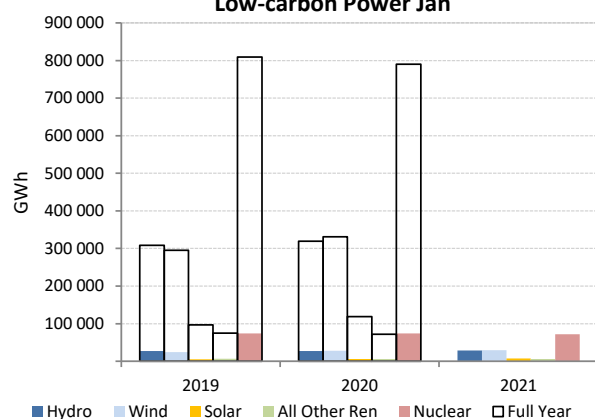
Electricity Production



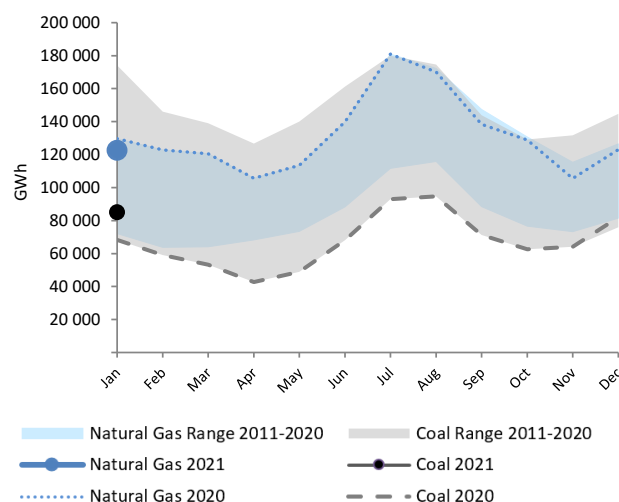
Electricity Production by Fuel



Low-carbon Power Jan

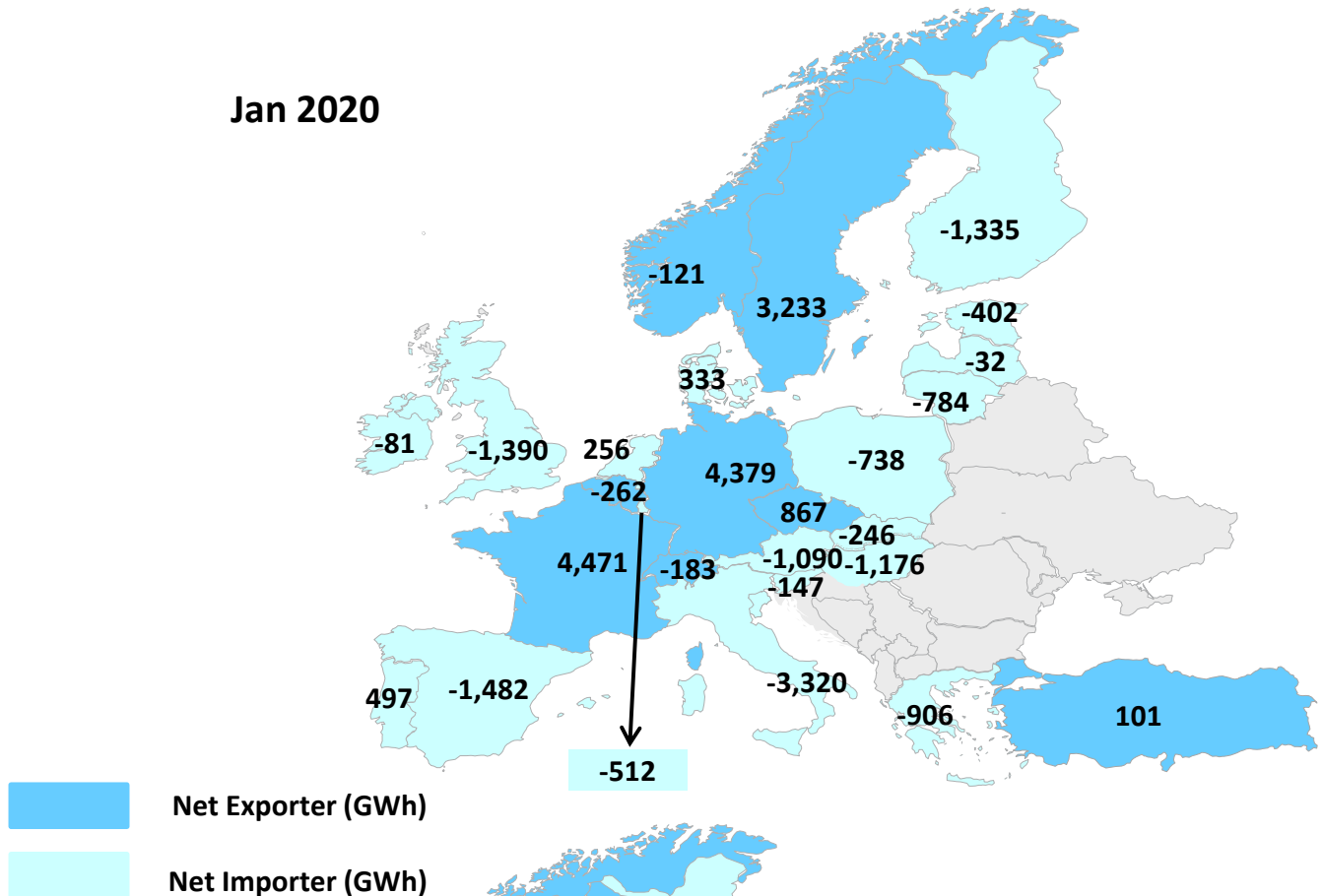


Natural Gas and Coal

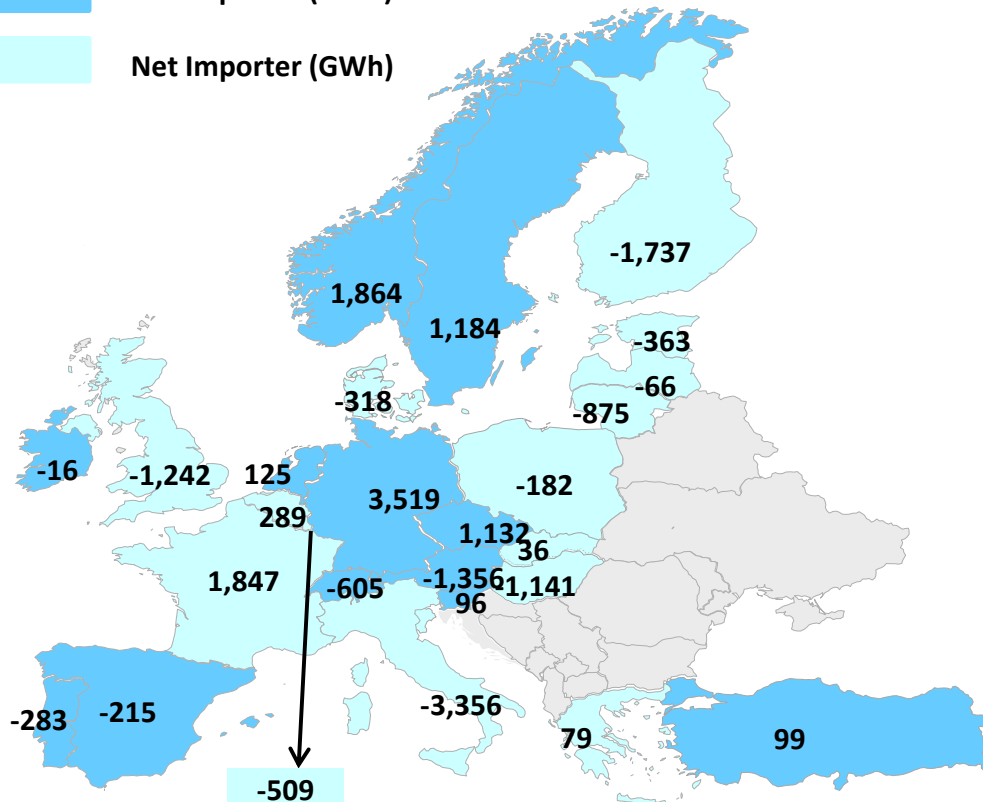


NET ELECTRICITY EXPORTS OECD EUROPE MAP 1

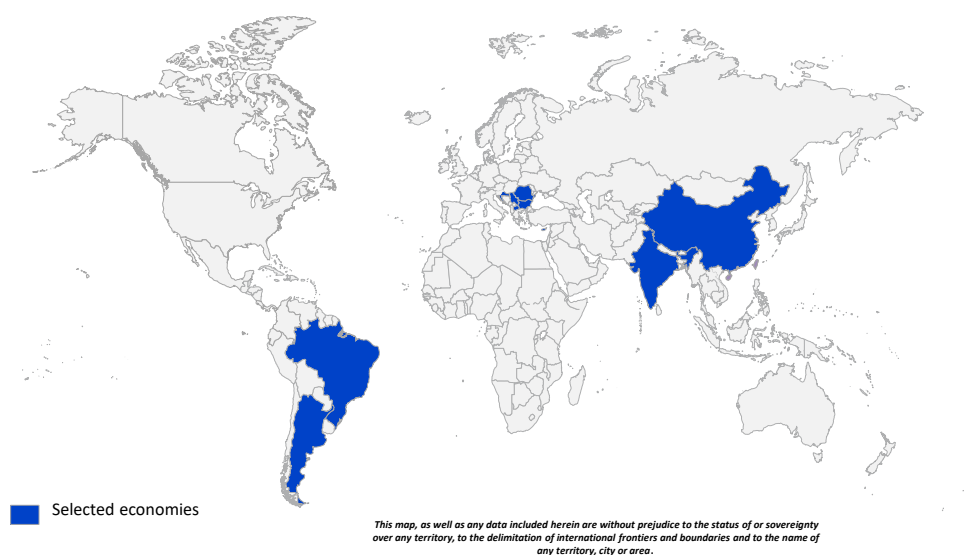
Jan 2020



Jan 2021



Annex 1 - Monthly Electricity Statistics for selected non-OECD economies



HIGHLIGHTS

- Total electricity production is estimated to have increased in China in January 2021 by 23.8% compared to January 2020 to reach 754.4 TWh. Coal was mainly responsible incremental production for this incremental production, with an estimated production of 514.1 TWh in January 2021, 91.4 TWh higher than in January 2020.
- In Brazil, hydro production was 33.5 TWh in January 2021, down by 8.6% compared to January 2020. This was a result of an ongoing drought affecting most of the South American continent. On the other hand, wind production doubled in January 2020 compared to January 2020, with a total output of 5.6 TWh.
- In Bulgaria, renewable production increased significantly in January 2021 compared to January 2020 as a result of higher precipitation levels observed in south-eastern Europe. Renewable power output was 972.9 GWh in January 2021, up by 65.3% compared to January 2020. This increase was driven by higher hydro production, at 558.2 GWh, up by 275.5% compared to January 2020 and by 93.0% compared to December 2020.

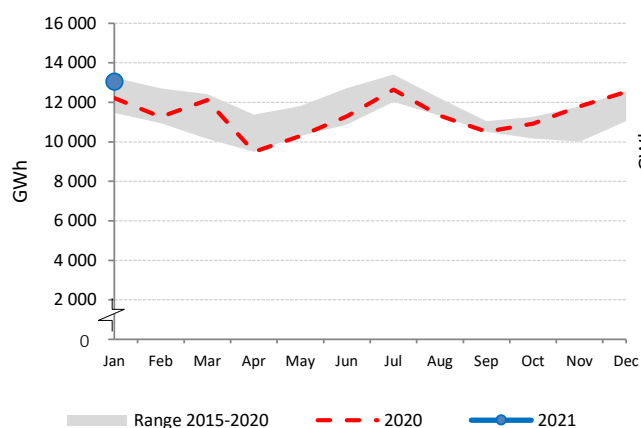
ARGENTINA

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	9,634.1	15.9%	9.5%	73.8%	8,313.3	92,749.6	68.0%
Coal	456.0	371.6%	-15.9%	3.5%	96.7	2,927.3	2.1%
Oil	722.4	2.8%	-18.1%	5.5%	702.7	4,925.3	3.6%
Natural Gas	8,240.8	11.4%	15.5%	63.2%	7,400.4	82,782.4	60.7%
Combustible Renewables	215.0	89.3%	-8.9%	1.6%	113.5	2,114.6	1.6%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	684.3	-14.3%	-2.4%	5.2%	798.6	10,106.1	7.4%
Hydro	1,487.3	-35.8%	-17.3%	11.4%	2,315.2	22,849.3	16.8%
Wind	1,048.6	54.6%	3.1%	8.0%	678.5	9,342.7	6.9%
Solar	193.9	82.3%	-9.9%	1.5%	106.4	1,336.7	1.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	2,944.7	-8.4%	-9.9%	22.6%	3,213.6	35,643.3	26.1%
NON-RENEWABLES	10,103.4	12.3%	9.1%	77.4%	8,998.4	100,741.1	73.9%
TOTAL NET PRODUCTION	13,048.2	6.8%	4.2%		12,212.0	136,384.3	

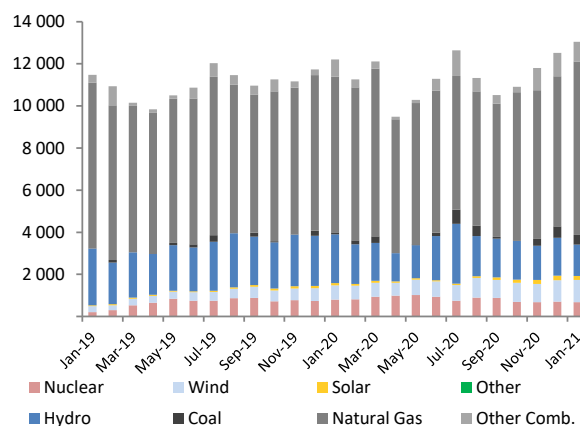
¹ current month to month of last year change

² month-to-month change

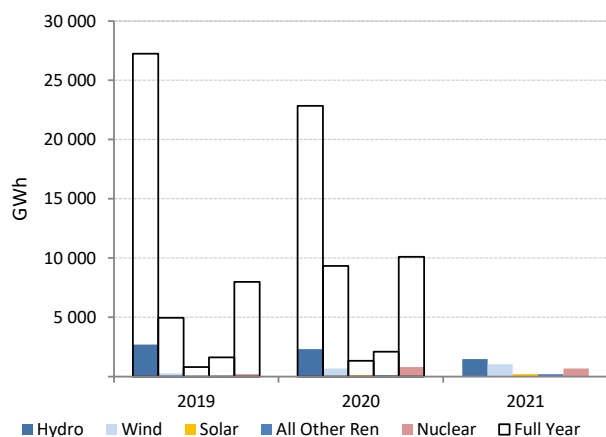
Electricity Production



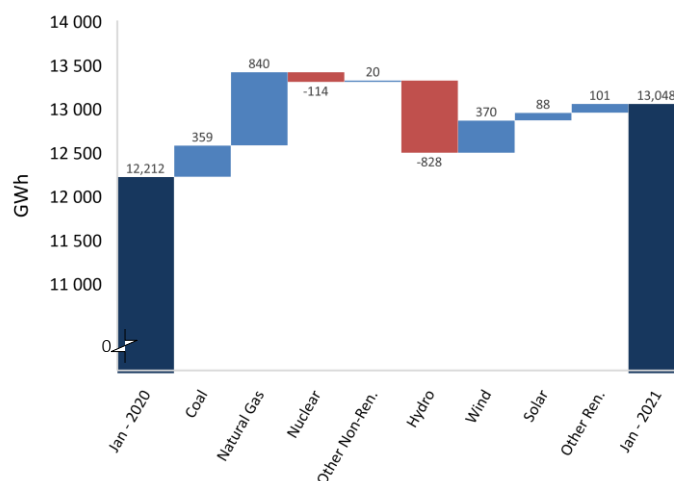
Electricity Production by Fuel



Low-carbon Power Jan



Electricity Production Variation Jan - 2020 vs. Jan - 2021

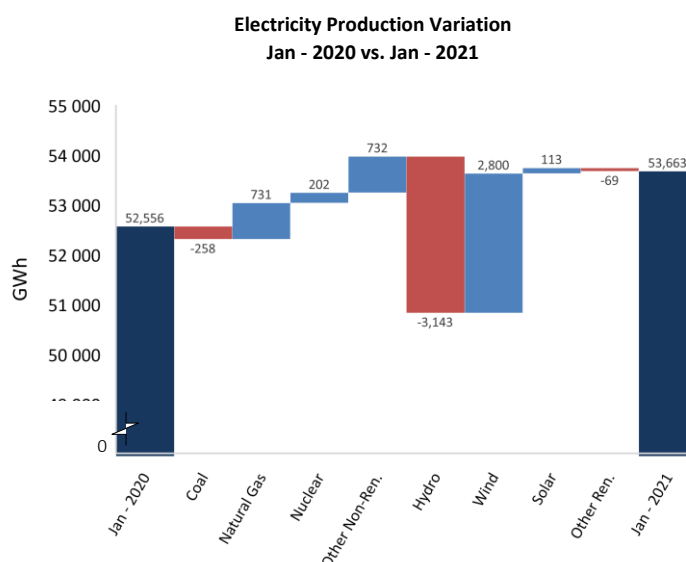
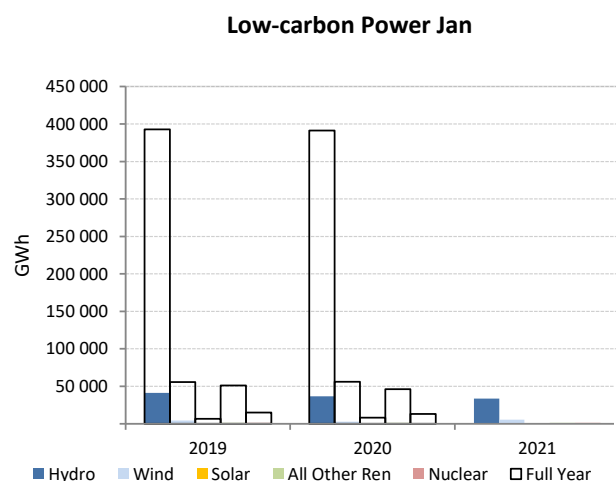
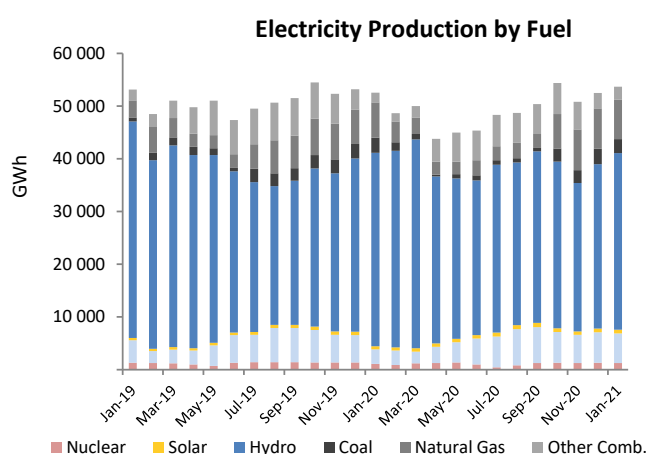
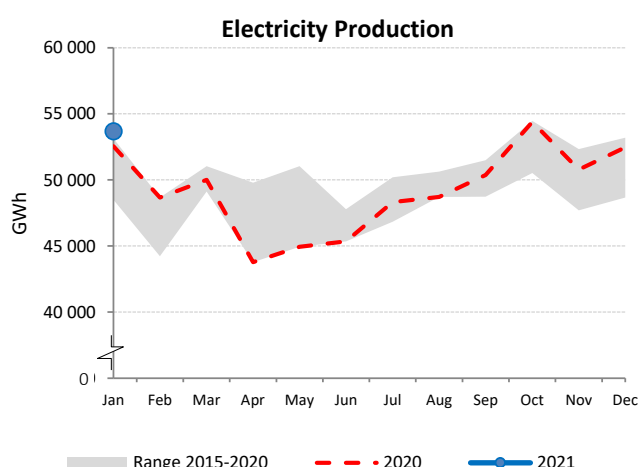


BRAZIL

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	12,551.8	9.9%	-6.7%	23.4%	11,415.9	121,671.7	20.6%
Coal	2,625.9	-9.0%	-9.7%	4.9%	2,884.4	17,717.9	3.0%
Oil	1,130.6	183.8%	63.7%	2.1%	398.4	3,961.8	0.7%
Natural Gas	7,434.7	10.9%	-3.1%	13.9%	6,703.8	51,622.4	8.7%
Combustible Renewables	1,169.8	-5.5%	-41.3%	2.2%	1,238.5	46,080.5	7.8%
Other Combustibles	190.8	-	-	0.4%	190.8	2,289.2	0.4%
Nuclear	1,288.9	18.6%	-0.4%	2.4%	1,086.7	13,179.6	2.2%
Hydro	33,529.5	-8.6%	7.4%	62.5%	36,672.8	391,290.9	66.3%
Wind	5,582.0	100.6%	-4.2%	10.4%	2,782.3	56,181.4	9.5%
Solar	710.8	18.9%	7.1%	1.3%	598.1	8,070.3	1.4%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	40,992.1	-0.7%	3.2%	76.4%	41,291.6	501,623.2	85.0%
NON-RENEWABLES	12,670.9	12.5%	-0.7%	23.6%	11,264.2	88,770.8	15.0%
TOTAL NET PRODUCTION	53,663.0	2.1%	2.3%		52,555.8	590,394.0	

¹ current month to month of last year change

² month-to-month change



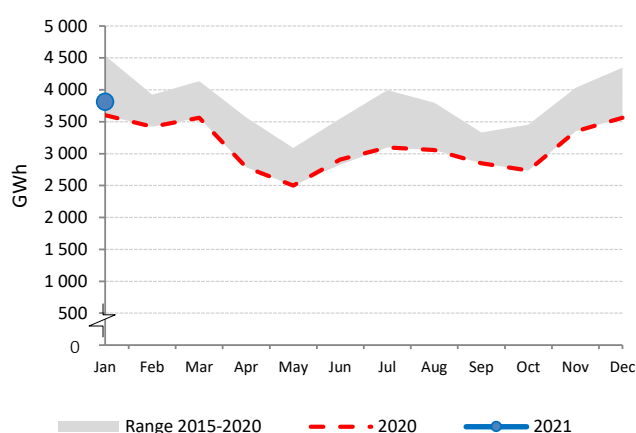
BULGARIA

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	1,559.5	-6.3%	-1.6%	40.9%	1,663.9	15,271.6	40.8%
Coal	1,043.7	-13.3%	-2.1%	27.4%	1,203.7	11,354.2	30.3%
Oil	18.2	-24.9%	57.4%	0.5%	24.2	271.1	0.7%
Natural Gas	319.3	28.1%	12.5%	8.4%	249.3	1,971.7	5.3%
Combustible Renewables	178.4	-4.3%	-20.1%	4.7%	186.4	1,674.4	4.5%
Other Combustibles	-	-100.0%	-	-	0.3	0.3	0.0%
Nuclear	1,457.4	-4.9%	-2.1%	38.2%	1,532.5	15,787.3	42.2%
Hydro	558.2	275.5%	93.0%	14.6%	148.7	3,364.6	9.0%
Wind	173.8	3.7%	6.2%	4.6%	167.6	1,477.2	3.9%
Solar	62.6	-27.3%	79.2%	1.6%	86.1	1,497.3	4.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	3.0	-14.2%	-13.5%	0.1%	3.5	35.4	0.1%
RENEWABLES	972.9	65.3%	36.9%	25.5%	588.7	8,013.5	21.4%
NON-RENEWABLES	2,841.6	-5.7%	-0.4%	74.5%	3,013.5	29,419.9	78.6%
TOTAL NET PRODUCTION	3,814.5	5.9%	7.0%		3,602.2	37,433.4	

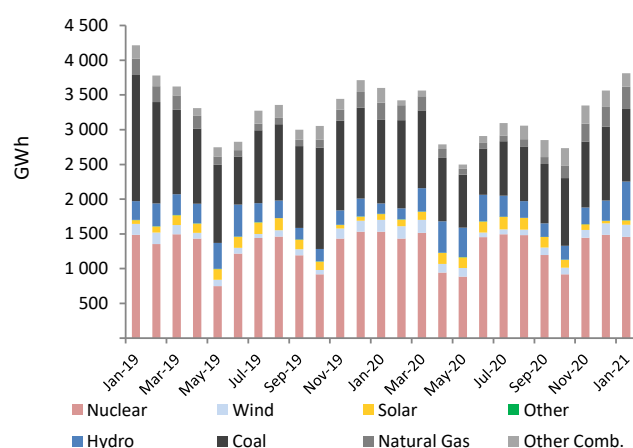
¹ current month to month of last year change

² month-to-month change

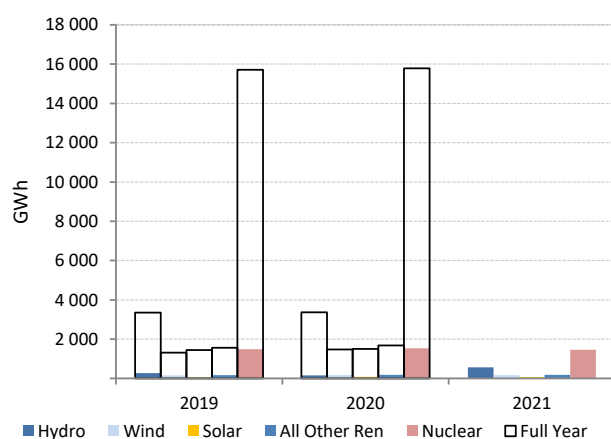
Electricity Production



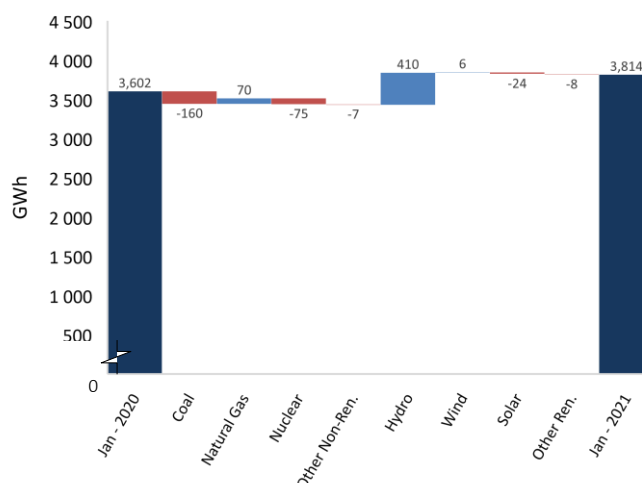
Electricity Production by Fuel



Low-carbon Power Jan



Electricity Production Variation Jan - 2020 vs. Jan - 2021



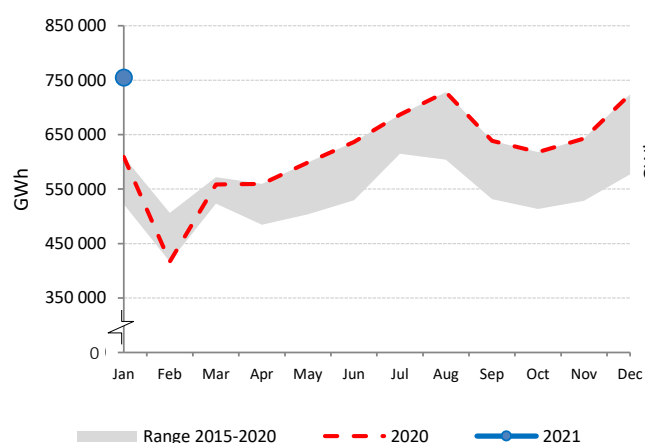
CHINA

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	553,800.4	21.6%	2.4%	73.4%	455,316.6	5,025,801.8	67.8%
Coal	514,078.0	21.6%	2.4%	68.1%	422,658.2	4,665,316.4	62.9%
Oil	1,256.2	21.6%	2.4%	0.2%	1,032.8	11,399.9	0.2%
Natural Gas	25,129.8	21.6%	2.4%	3.3%	20,660.9	228,055.7	3.1%
Combustible Renewables	11,804.0	21.6%	2.4%	1.6%	9,704.9	107,123.0	1.4%
Other Combustibles	1,532.4	21.6%	2.4%	0.2%	1,259.9	13,906.8	0.2%
Nuclear	34,299.9	16.2%	2.5%	4.5%	29,521.2	347,519.8	4.7%
Hydro	85,118.4	21.7%	2.4%	11.3%	69,931.4	1,315,558.1	17.7%
Wind	56,134.1	54.1%	20.0%	7.4%	36,436.5	466,298.9	6.3%
Solar	25,046.6	37.7%	27.0%	3.3%	18,193.6	262,671.6	3.5%
Geothermal	9.8	-	-	0.0%	9.8	117.7	0.0%
Other Renewables	1.0	-	-	0.0%	1.0	11.7	0.0%
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	178,114.0	32.6%	10.5%	23.6%	134,277.2	2,151,781.0	29.0%
NON-RENEWABLES	576,296.3	21.3%	2.4%	76.4%	475,132.9	5,266,198.6	71.0%
TOTAL NET PRODUCTION	754,410.2	23.8%	4.2%		609,410.1	7,417,979.6	

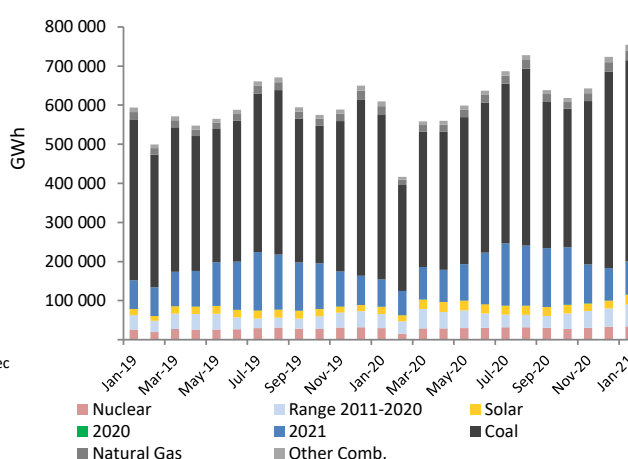
¹ current month to month of last year change² month-to-month change⁴ estimated from annual data

January 2021 is estimated by the IEA Secretariat

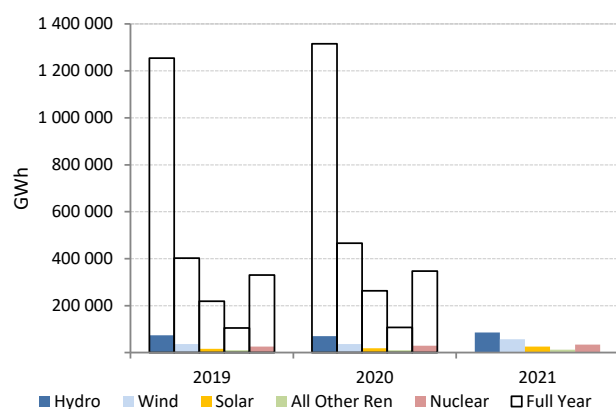
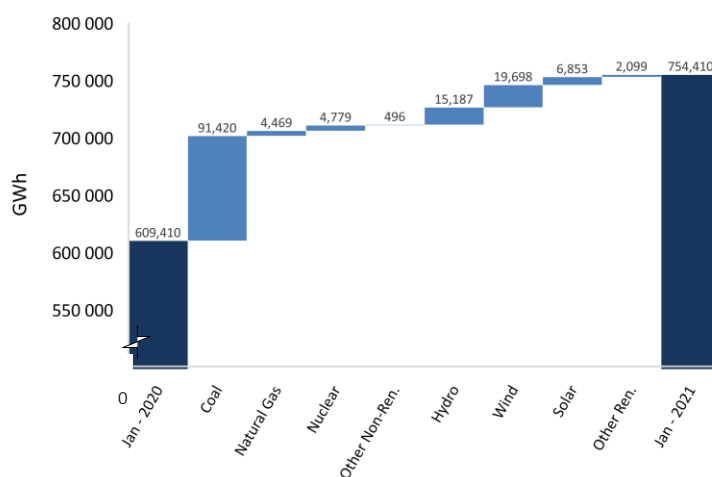
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

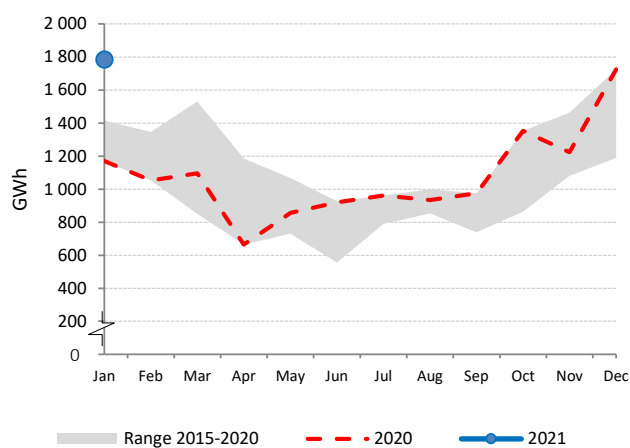
Electricity Production Variation
Jan - 2020 vs. Jan - 2021

CROATIA

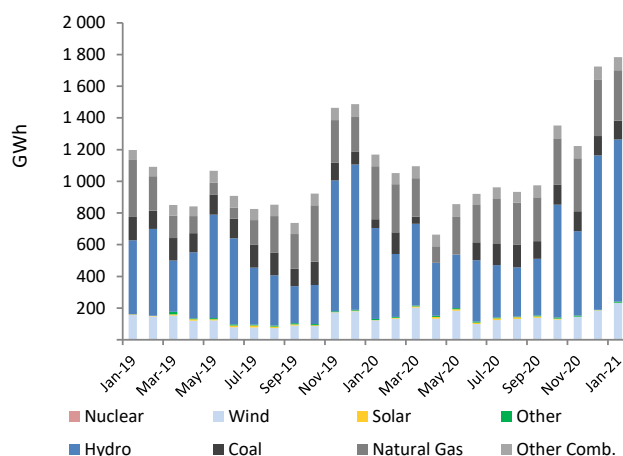
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	521.0	12.3%	-7.2%	29.2%	463.8	5,283.1	40.9%
Coal	120.3	114.5%	-1.9%	6.7%	56.1	1,115.2	8.6%
Oil	-	-	-	-	-	7.3	0.1%
Natural Gas	317.9	-4.7%	-10.1%	17.8%	333.8	3,261.9	25.2%
Combustible Renewables	82.7	11.9%	-2.8%	4.6%	74.0	898.6	7.0%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	1,023.0	78.6%	5.1%	57.3%	572.9	5,761.0	44.6%
Wind	231.9	90.4%	25.0%	13.0%	121.8	1,725.2	13.3%
Solar	2.3	-29.1%	65.1%	0.1%	3.3	83.9	0.6%
Geothermal	6.2	-13.7%	114.0%	0.3%	7.2	74.9	0.6%
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	1,346.2	72.8%	7.8%	75.4%	779.2	8,543.6	66.1%
NON-RENEWABLES	438.2	12.4%	-8.0%	24.6%	389.8	4,384.4	33.9%
TOTAL NET PRODUCTION	1,784.4	52.6%	3.5%		1,169.0	12,928.1	

¹ current month to month of last year change² month-to-month change

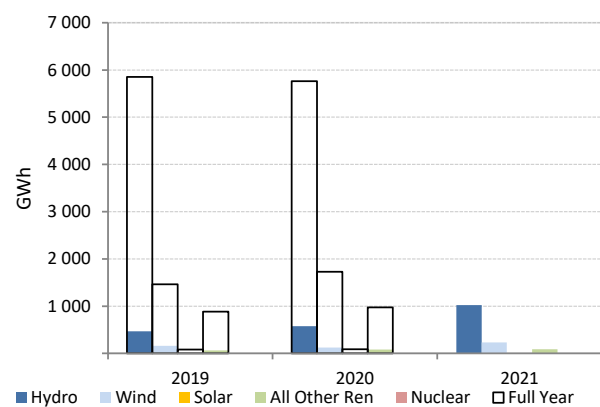
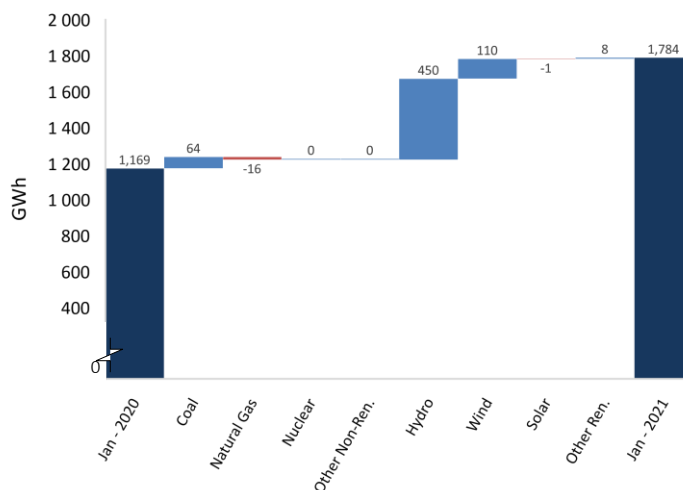
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

Electricity Production Variation
Jan - 2020 vs. Jan - 2021

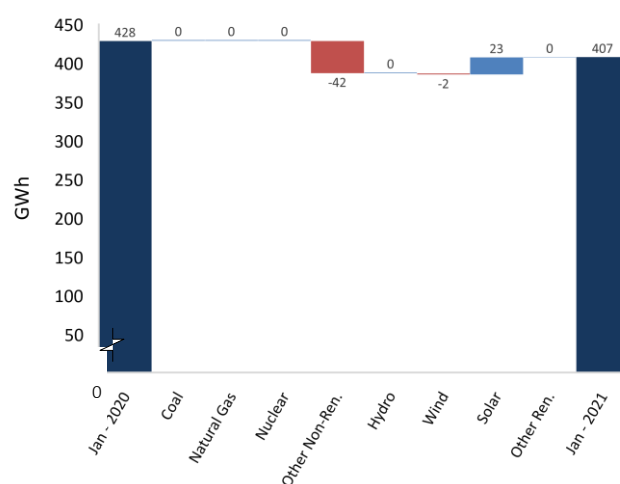
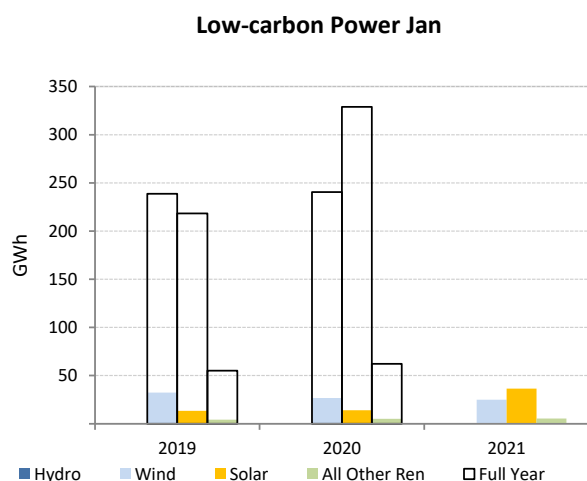
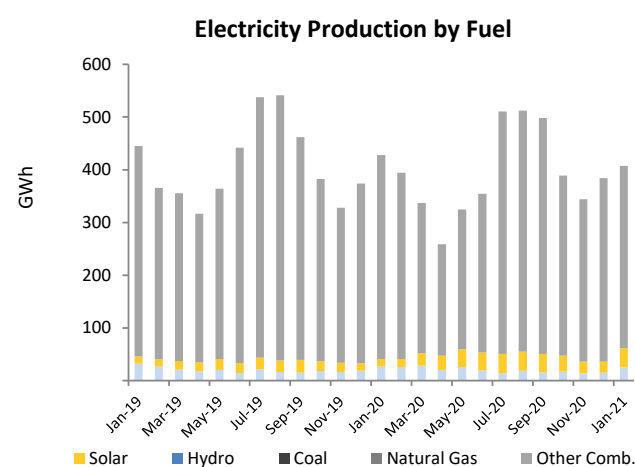
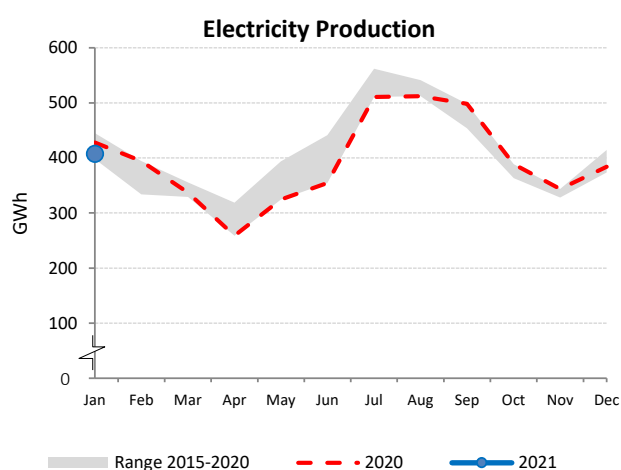
CYPRUS

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	345.4	-10.7%	-0.8%	84.8%	386.9	4,166.0	88.0%
Coal	-	-	-	-	-	-	-
Oil	339.8	-11.0%	-1.0%	83.5%	381.7	4,103.7	86.7%
Natural Gas	-	-	-	-	-	-	-
Combustible Renewables	5.6	6.7%	13.5%	1.4%	5.3	62.2	1.3%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-
Wind	25.1	-6.4%	67.5%	6.2%	26.9	240.4	5.1%
Solar	36.6	160.4%	73.2%	9.0%	14.0	329.0	6.9%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	67.3	45.9%	63.9%	16.5%	46.2	631.6	13.3%
NON-RENEWABLES	339.8	-11.0%	-1.0%	83.5%	381.7	4,103.7	86.7%
TOTAL NET PRODUCTION	407.2	-4.8%	6.0%		427.8	4,735.4	

¹ current month to month of last year change

Please refer to country Notes

² month-to-month change



INDIA

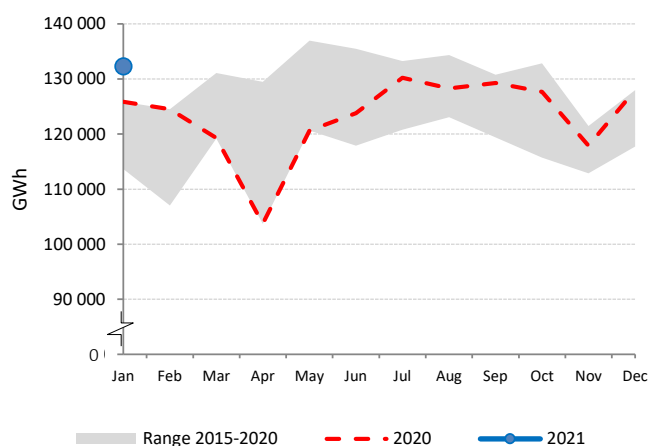
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	111,588.9	6.5%	5.1%	84.4%	104,780.0	1,145,086.1	77.4%
Coal	98,785.2	6.5%	6.2%	74.7%	92,728.5	1,017,530.5	68.8%
Oil	741.4	27.0%	4.3%	0.6%	583.7	8,552.7	0.6%
Natural Gas	4,600.7	-7.8%	-8.9%	3.5%	4,989.0	70,375.4	4.8%
Combustible Renewables	7,398.3	15.3%	1.2%	5.6%	6,417.6	47,873.4	3.2%
Other Combustibles	63.4	3.6%	-	0.0%	61.2	754.1	0.1%
Nuclear	3,043.3	-6.5%	-17.5%	2.3%	3,254.4	42,237.5	2.9%
Hydro	8,867.5	-7.5%	-3.6%	6.7%	9,583.8	168,909.4	11.4%
Wind	3,842.2	7.3%	-6.6%	2.9%	3,580.8	64,296.1	4.3%
Solar	4,927.3	5.5%	2.5%	3.7%	4,671.4	58,522.0	4.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	25,035.2	3.2%	-1.6%	18.9%	24,253.5	339,601.0	23.0%
NON-RENEWABLES	107,234.0	5.5%	4.6%	81.1%	101,616.8	1,139,450.3	77.0%
TOTAL NET PRODUCTION	132,269.2	5.1%	3.4%		125,870.3	1,479,051.2	

¹ current month to month of last year change² month-to-month change

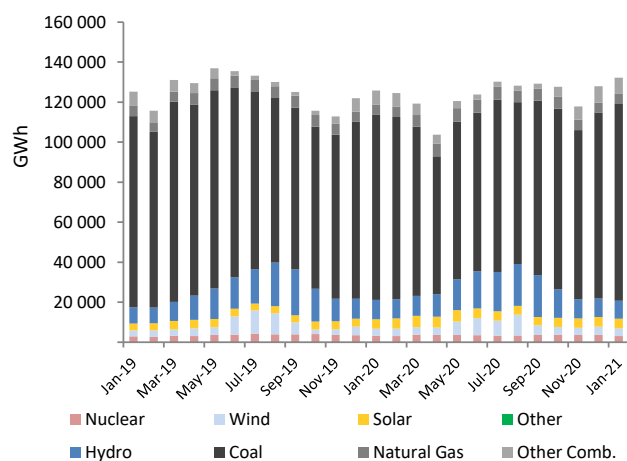
4 estimated from annual data

Distributed generation is estimated by the IEA Secretariat

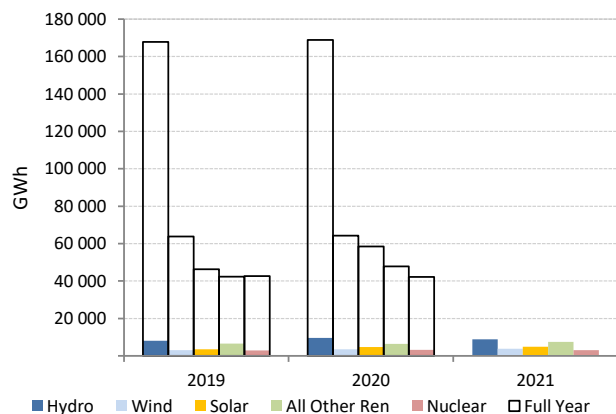
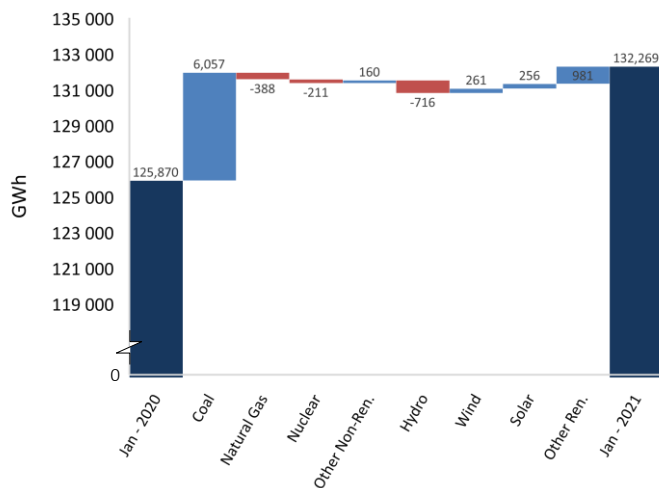
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

Electricity Production Variation
Jan - 2020 vs. Jan - 2021

MALTA

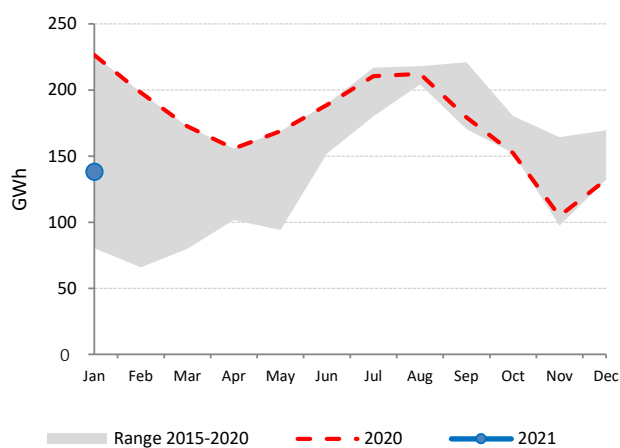
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	127.0	-40.7%	6.3%	92.0%	214.3	1,846.1	87.9%
Coal	-	-	-	-	-	-	-
Oil	0.0	-99.9%	-	0.0%	41.7	67.4	3.2%
Natural Gas	127.0	-26.4%	6.3%	92.0%	172.6	1,778.7	84.7%
Combustible Renewables	-	-	-	-	-	-	-
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-
Solar	11.0	-9.6%	-13.7%	8.0%	12.2	255.0	12.1%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	11.0	-9.6%	-13.7%	8.0%	12.2	255.0	12.1%
NON-RENEWABLES	127.0	-40.7%	6.3%	92.0%	214.3	1,846.1	87.9%
TOTAL NET PRODUCTION	138.0	-39.0%	4.4%		226.4	2,101.1	

¹ current month to month of last year change

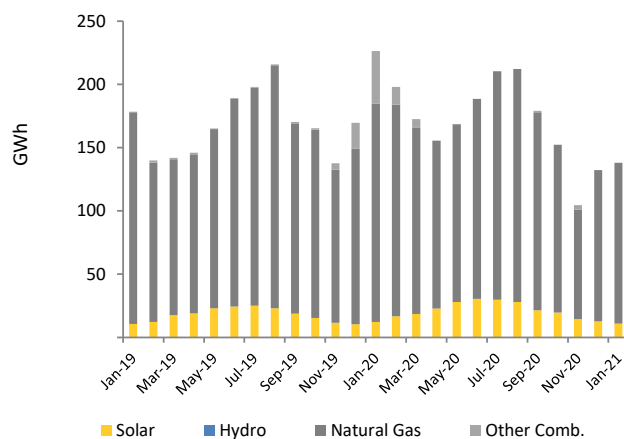
4 estimated from annual data

² month-to-month change

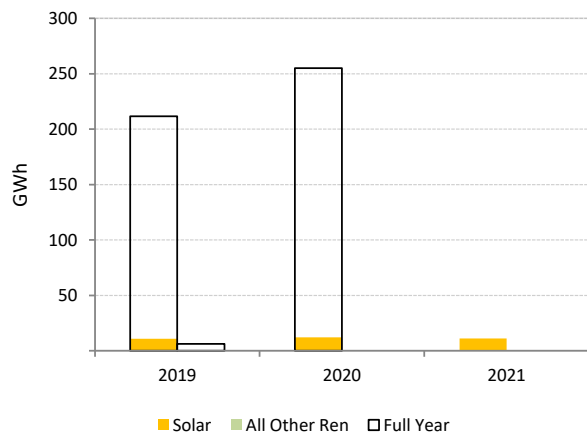
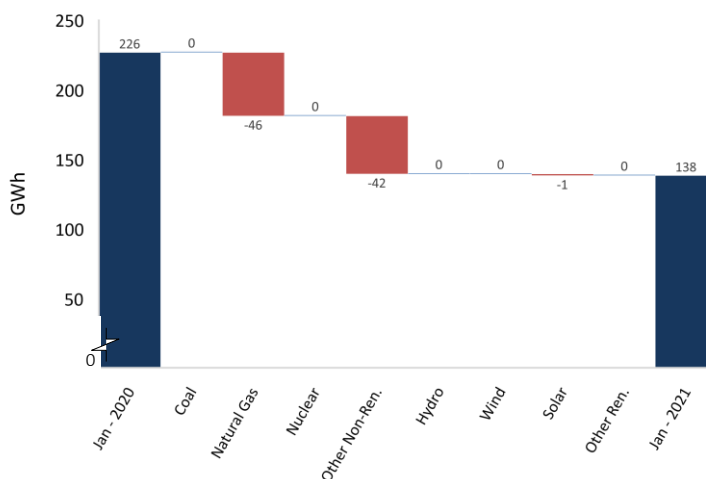
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

Electricity Production Variation
Jan - 2020 vs. Jan - 2021

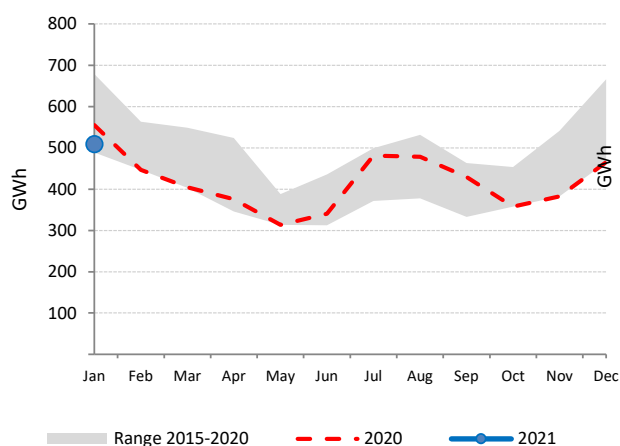
NORTH MACEDONIA

	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	436.0	3.4%	11.9%	85.7%	421.6	3,616.7	71.9%
Coal	226.2	-26.8%	0.5%	44.5%	309.2	2,444.6	48.6%
Oil	7.6	21.5%	-13.4%	1.5%	6.3	64.5	1.3%
Natural Gas	197.9	94.7%	30.9%	38.9%	101.6	1,054.8	21.0%
Combustible Renewables	4.3	-3.9%	-6.8%	0.8%	4.5	52.8	1.0%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro	65.3	-43.9%	-4.4%	12.8%	116.3	1,272.3	25.3%
Wind	6.7	-57.7%	0.4%	1.3%	16.0	116.9	2.3%
Solar	0.8	-36.1%	20.6%	0.2%	1.2	23.5	0.5%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	77.1	-44.1%	-3.9%	15.2%	137.9	1,465.5	29.1%
NON-RENEWABLES	431.7	3.5%	12.1%	84.8%	417.1	3,563.9	70.9%
TOTAL NET PRODUCTION	508.8	-8.3%	9.3%		555.0	5,029.4	

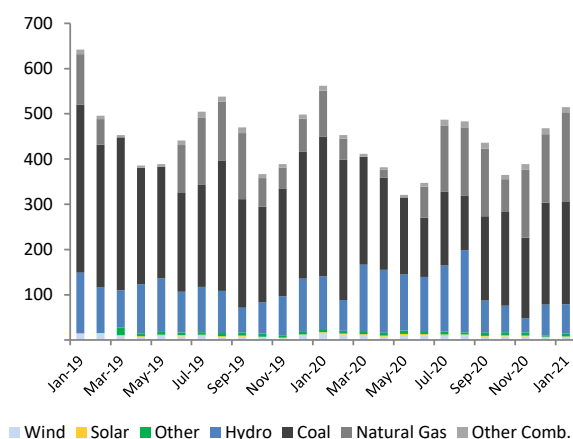
¹ current month to month of last year change

² month-to-month change

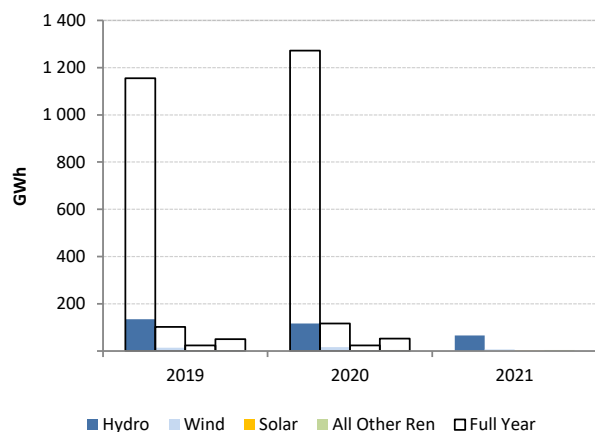
Electricity Production



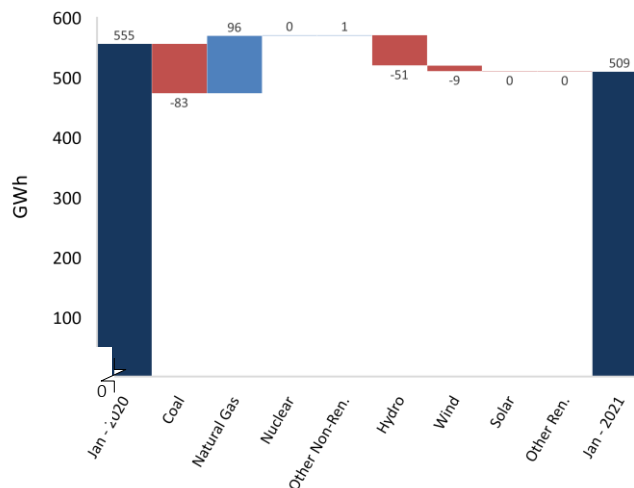
Electricity Production by Fuel



Low-carbon Power Jan



Electricity Production Variation Jan - 2020 vs. Jan - 2021

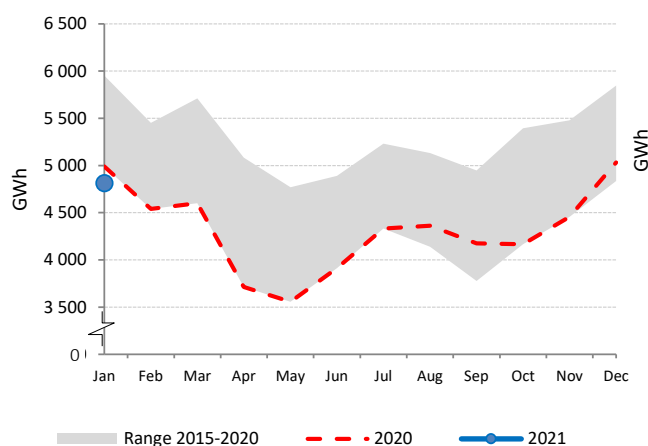


ROMANIA

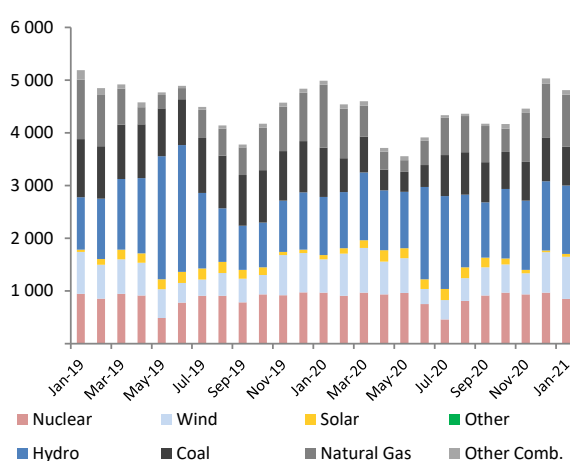
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	1,815.2	-17.7%	-6.9%	37.7%	2,204.3	17,137.2	33.1%
Coal	742.2	-20.4%	-10.8%	15.4%	932.9	8,079.4	15.6%
Oil	30.3	33.3%	-20.0%	0.6%	22.8	364.2	0.7%
Natural Gas	986.4	-17.4%	-2.7%	20.5%	1,194.1	8,197.8	15.8%
Combustible Renewables	56.2	3.0%	-15.0%	1.2%	54.5	495.8	1.0%
Other Combustibles	-	-	-	-	-	-	-
Nuclear	846.9	-12.6%	-12.6%	17.6%	968.9	10,555.4	20.4%
Hydro	1,292.1	17.1%	-1.5%	26.8%	1,103.8	15,533.4	30.0%
Wind	802.8	26.9%	4.7%	16.7%	632.8	6,877.3	13.3%
Solar	55.6	-31.3%	61.8%	1.2%	80.8	1,734.2	3.3%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	2,206.7	17.9%	1.3%	45.9%	1,871.9	24,640.7	47.5%
NON-RENEWABLES	2,605.9	-16.4%	-8.7%	54.1%	3,118.6	27,196.8	52.5%
TOTAL NET PRODUCTION	4,812.6	-3.6%	-4.4%		4,990.5	51,837.5	

¹ current month to month of last year change² month-to-month change

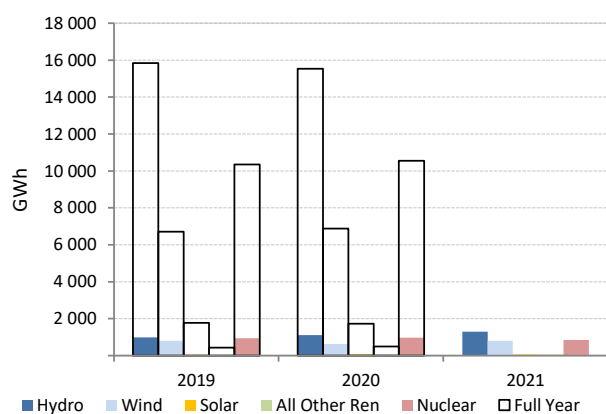
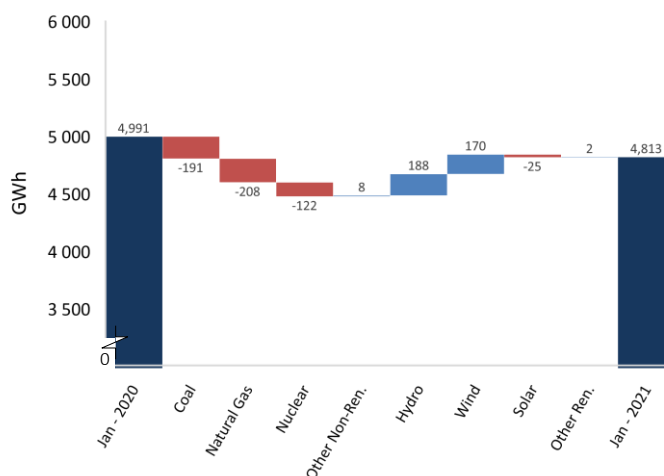
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

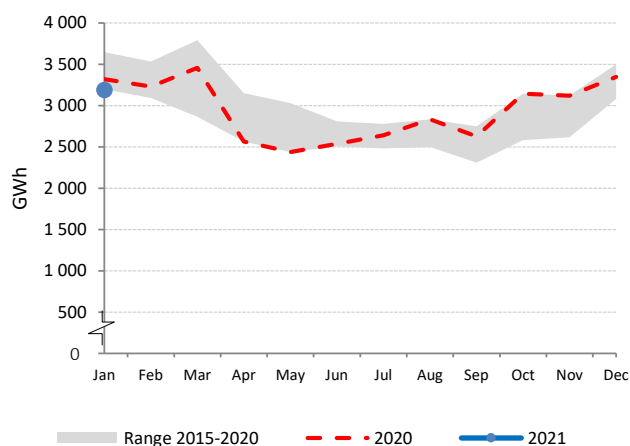
Electricity Production Variation
Jan - 2020 vs. Jan - 2021

SERBIA

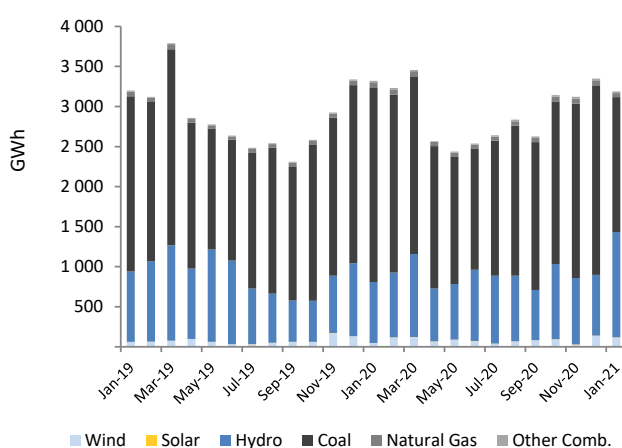
	Jan 2021				2020		
	GWh	Jan 21 vs. Jan 20 ¹	Jan 21 vs. Dec 20 ²	share	January	Annual	share
CONVENTIONAL THERMAL	1,755.4	-30.1%	-28.4%	55.1%	2,511.4	24,620.7	69.8%
Coal	1,685.1	-30.4%	-28.6%	52.8%	2,422.7	23,718.0	67.3%
Oil	1.6	-30.4%	-28.5%	0.1%	2.3	22.7	0.1%
Natural Gas	50.1	-30.4%	-28.6%	1.6%	72.1	705.5	2.0%
Combustible Renewables	18.2	30.1%	2.1%	0.6%	14.0	169.5	0.5%
Other Combustibles	0.4	-	-	0.0%	0.4	5.1	0.0%
Nuclear	-	-	-	-	-	-	-
Hydro	1,314.4	73.2%	73.2%	41.2%	759.0	9,660.1	27.4%
Wind	118.4	140.2%	-14.9%	3.7%	49.3	972.2	2.8%
Solar	0.4	-38.7%	23.3%	0.0%	0.6	13.5	0.0%
Geothermal	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-
RENEWABLES	1,451.4	76.4%	58.4%	45.5%	822.9	10,815.3	30.7%
NON-RENEWABLES	1,737.3	-30.4%	-28.6%	54.5%	2,497.5	24,451.2	69.3%
TOTAL NET PRODUCTION	3,188.7	-4.0%	-4.8%		3,320.4	35,266.5	

¹ current month to month of last year change⁴ estimated from annual data² month-to-month change

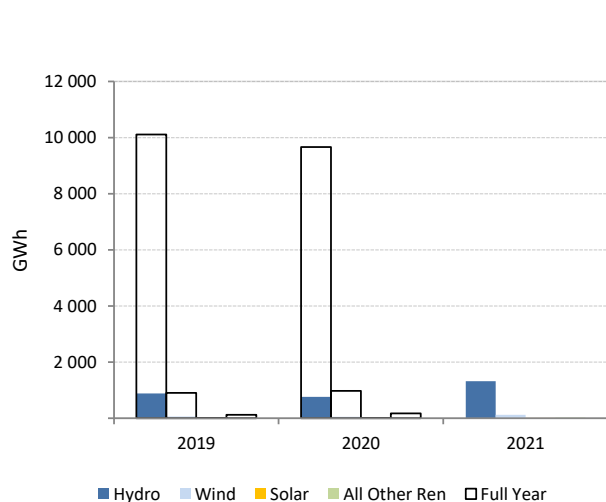
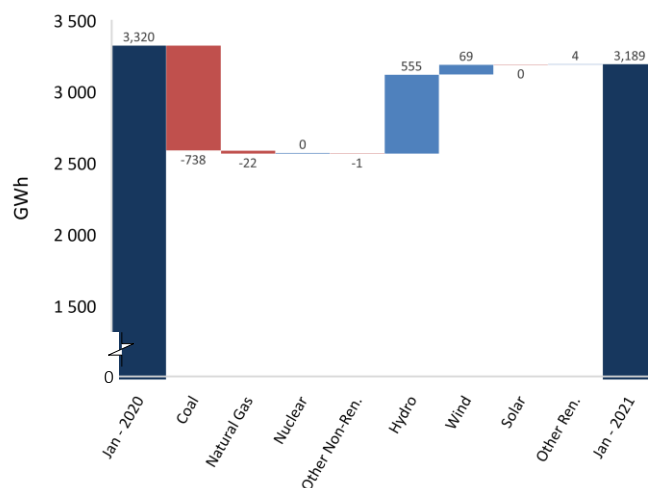
Electricity Production



Electricity Production by Fuel



Low-carbon Power Jan

Electricity Production Variation
Jan - 2020 vs. Jan - 2021

PRINCIPLES AND DEFINITIONS

The IEA's Monthly Electricity Statistics provides timely electricity production and trade data for member countries of the Organisation for Economic Co-operation and Development (OECD). It aims to report as up-to-date and consistent information as possible for the last three months. It also provides previous annual data and year-to-date indicators.

Starting in April 2020, the Monthly Electricity Statistics include a separate annex containing a selection of 6 additional economies, including 3 IEA Association countries. This addition provides production data for the selected countries with the same aim of reporting as up-to-date and consistent information as possible for the last three months. It also provides previous annual data and year-to-date indicators. The countries shown in this annex are not included in the aggregate totals in other

General notes

- Electricity production and trade data are reported at the individual country level as well as in organisational and regional groupings. These groupings include: OECD Total, OECD Americas, OECD Asia Oceania, OECD Europe and IEA Total.
- The units are terawatt hours (TWh) for the regional groupings and gigawatt hours (GWh) for the individual countries.
- The grouping of electricity generation by source reflects available monthly data and/or small individual quantities.
- Definitions are consistent with the IEA's "Electricity and Heat" annual questionnaire. Statistics are subject to revision on official receipt of the annual questionnaire from national administrations or on improved data becoming available.
- To enable timely publication, the IEA may supplement national statistics with data from other sources.
- Where adequate information is not available from external sources, estimates have been made by the IEA. Methodological notes are provided in individual country pages or the country notes section.
- All figures for individual countries are reported to the nearest whole number and totals may not equal the sum of components due to rounding.
- Note that historic data are often recalculated. Therefore, the latest publication should be considered the most accurate. Regional and organisational summaries may also change based on country recalculations.
- Countries' submitted monthly data is adjusted proportionately to maintain consistency with the most recent annual data for each generation source.

Basic definitions

<i>Net Production</i>	Net generation excludes power station own use.
<i>Combustible Fuels/</i>	
<i>Conventional Thermal</i>	Production from fossil fuels (primary coal, coal products, peat and peat products, oil shale and oil sands, crude oil, NGL, oil products, natural gas) and combustible renewables and wastes (solid biofuels, biogases, liquid biofuels, industrial and municipal waste).
<i>Coal</i>	Production from primary coal, coal products, peat and peat products, oil shale and oil sands, and manufactured gas (such as coke-oven gas, blast-furnace gas and gas works gas).
<i>Oil</i>	Production from crude oil, natural gas liquids, refinery feedstocks, and petroleum products (such as refinery gases and fuel oil).
<i>Natural Gas</i>	Production from natural gas (including gas distributed via the grid that may contain very little amounts of blended other gases).
<i>Combustible Renewables</i>	Production from combustible renewables (such as solid biofuels, biogases, liquid biofuels, municipal renewable waste).
<i>Other Combustible Fuels (non-renewables)</i>	Production from all other combustible fuels (such as industrial and non-renewable municipal solid waste).

<i>Nuclear</i>	Electricity produced using heat generated from nuclear fission.
<i>Hydro</i>	Net generation from hydro facilities including pumped storage production.
<i>Wind</i>	Electricity generated in on-shore and off-shore wind turbines using kinetic energy of wind.
<i>Solar</i>	Electricity generated using solar radiation. Includes thermal and photovoltaic.
<i>Geothermal</i>	Electricity generated using heat emitted from within the earth's crust, usually in the form of hot water or steam.
<i>Other Renewables</i>	Electricity generated from tide, wave, ocean and other non-combustible sources.
<i>Non-Specified</i>	Not elsewhere reported electricity generation.

<i>Renewables</i>	Includes electricity generation from Hydro, Wind, Solar, Geothermal, Other Renewables and Combustible Renewables
<i>Non-Renewables</i>	Includes electricity generation from Coal, Oil, Natural Gas, Other Combustibles, Nuclear and Non-specified sources.
<i>Total Net Production</i>	The sum of indigenous net electricity production by energy source.
<i>Imports/ Exports</i>	Amounts of electricity that have crossed political boundaries of the country, a.k.a. physical flows, whether customs clearance has taken place or not.
<i>Net Exports</i>	Exports minus imports
<i>Electricity supplied</i>	Indigenous production + Imports - Exports. It includes Transmission and Distribution losses
<i>Used for Pumped Storage</i>	Electricity consumed by pumping water into a reservoir in mixed and pure pumped storage hydro plants.
<i>Transmission and Distribution Losses/ T&D Losses</i>	All losses due to transport and distribution of electrical energy. Losses in transformers which are not considered as integral parts of the power plants are also included.
<i>Electricity consumed</i>	Electricity available (calculated as: Indigenous production + Imports - Exports - used for pumped storage - Transmission and distribution losses)
<i>Low-carbon Power Generation</i>	Renewables plus Nuclear electricity generation.
<i>Year</i>	Calendar year (January to December) unless otherwise stated.
<i>Year-to-Date</i>	The sum of all months from the start of the calendar year to the latest month.

Regional Groupings

- OECD Total includes Australia, Austria, Belgium, Canada, Chile, Colombia, the Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Iceland, Ireland, Italy, Japan, Korea, Latvia, Lithuania, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, Spain, Sweden, the Slovak Republic, Slovenia, Switzerland, Turkey, the United Kingdom and the United States.
- Israel is not included in this report.
- OECD Americas includes Canada, Chile, Colombia Mexico and the United States.
- OECD Asia Oceania includes Australia, Japan, Korea and New Zealand.
- OECD Europe includes Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, the Netherlands, Norway, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.
- IEA includes all countries included in OECD Total except Chile, Iceland, Latvia, Lithuania and Slovenia.

Publication details and further information

- This publication is released in the middle of each month onto the IEA's Website: <https://www.iea.org/reports/monthly-electricity-statistics/>
- Subscriptions to this publication are available at <https://www.iea.org/subscribe-to-data-services>
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NOTES ON CHARTS AND MAPS

Tables

- The share of fuels in power generation for the previous year corresponds to the latest available year of annual data for the given granularity.

Chart Types

Electricity Production Chart

- Compares the evolution of total electricity production against the latest decade of historical data as well as the previous year.

Net Exports Chart

- Compares the evolution of net exports (exports - imports) of electricity against the latest decade of historical data as well as the previous year.

Electricity Production by Fuel Chart

- Shows the power fuel mix since January two years before the current year (25-36 months depending on the publication month).
- In this context, "Other Comb." includes Other Combustibles, Combustible Renewables and Oil.
- In this context, "Other" includes Geothermal, Other Renewables, Non Specified.
- Countries with an estimated combustibles' breakdown have a generic "Combustibles" category in this chart.

Low-carbon Power Chart

- Depicts low-carbon power generation for the year-to-date, the same period the last year as well as two years before. Also shows full year figures for the previous two years.
- When relevant, nuclear generation will be shown.
- In this context, "All Other Ren" includes Geothermal, Other Renewables and Combustible Renewables.

Electricity Production Variation Chart

- A waterfall chart showing how one can reach the electricity generation of the year-to-date having as a starting point the electricity generation of the same period in the previous year.
- In the case that coal and natural gas are only estimated, the waterfall chart for these categories will show no change and they will be aggregated under Other Non-Ren.

Fuel Switching Chart

- A chart comparing head-to-head two fuels (e.g. Natural Gas vs. Coal) or fuel categories (e.g. Renewables vs. Non-Renewables) and their 10 year ranges as well as the previous year.

Maps

- The maps in the main report are solely for illustrative purposes and currently cover trade in OECD Europe.
- No electricity trade takes place in OECD Asia Oceania countries.
- **Map 1:** Electricity Trade by country in the current month year versus the same month last year.
- **Map 2:** Electricity Trade by country Year-to-Date versus the same period last year.
- Iceland is not displayed in the OECD Europe maps as it does not trade electricity.

Statistics report

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