Statistics report

Monthly OECD Electricity Statistics

Next release: 15 October 2020

Data up to June 2020



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MONTHLY ELECTRICITY STATISTICS

June 2020

HIGHLIGHTS

OECD

- In June 2020, total electricity production in the OECD was 831.0 TWh, 2.0% lower than in June 2019 and 7.8% higher than in May 2020. Total production during the first six months of 2020 was 4,974.4 TWh compared to 5,184.6 TWh during the same period in 2019. This descrease in production in due to the Covid-19 crisis and the impact of lockdown measures throughout the OECD on electricity demand and production. In June 2020, after record low levels in April and May production in the OECD recovered to being closer to historical levels as lockdown measures eased.
- Renewable production was 265.2 TWh, up by 6.2% compared to June 2019. Renewables produced 31.9% of the total OECD production, up by 2.4 percentage points compared to June 2019. In the first semester of 2020, renewable production was 1,642.8 TWh, up by 7.7% compared to the same period in 2019. This increase is driven by wind and solar, which produced 479.9 TWh and 215.5 TWh respectively and increased by 13.6% and 18.8% compared to the first semester in 2019.
- Conventional thermal production decreased significantly in the first semester of 2020, and was 2,559.0 TWh, 9.5% lower than over the same period in 2019. Nuclear production also decreased, by 5.7% compared to the first semester of 2019, and was 906.7 TWh.

OECD Americas

- In OECD Americas, net electricity production was 440.7 TWh in June 2020, 0.9% higher than in June 2019. Renewable production was 119.0 TWh in June 2020, up by 11.9% compared to June 2019. During the first six months of 2020, renewables produced 28.6% of the total electricity production compared to 26.6% over the same period in 2019. Conventional thermal production on the other hand was 1,321.4 TWh during the first semester of 2020, down by 7.2% compared to the same period in 2019. This decrease is driven by coal which, at 379.7 TWh, was 29.1% lower in the first semester of 2020 compared to the first semester of 2019.
- In Chile, hydro production continued to be low throughout the first semester of 2020 as the severe drought continued for the tenth year. Hydro production was 8.1 TWh in the first semester of 2020, down by 13.6% compared to the same period in 2019. During the second quarter of 2020, hydro production was the lowest ever recorded with an output of 3.3 TWh, 23.8% lower than during the second quarter of 2019. To compensate for that loss in production, oil production has increased significantly and was 2.4 TWh in the first semester of 2020, 104.8% higher than during the same period last year.
- In Canada, wind production increased by 24.5% in June 2020 compared to June 2019 and was 2.4 TWh. In 2019, almost 600 MW of wind capacity was installed, increasing total wind production during the first semester of 2020 to 18.5 TWh, up by 3.0% compared to the first semester of 2019. During the first six months of 2020, electricity demand was lower because of the Covid 19 crisis, down by 3.4% compared to the first semester of 2019. Net production was 319.4 TWh, 0.9% lower compared to the first semester of 2019. To meet lower demand, electricity exports increased significantly, to reach 32.3 TWh, 19.1% higher than during the first semester of 2019. Imports on the other hand decreased by 20.1% compared to the first six months of 2019, down to 5.7 TWh.

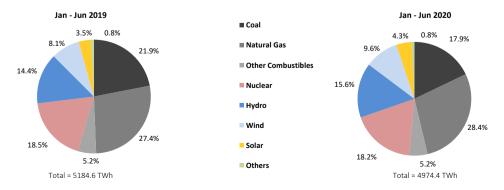
OECD Asia/Oceania

- Total net production in OECD Asia/Oceania was 139.6 TWh, 3.2% lower than in June 2019 and 5.4% higher than in May 2020. During the first semester of 2020, total production was 873.6 TWh, 4.6% lower than during the first six months of 2019. Renewable production was 170.1 TWh in the first six months of 2020, 14.3% higher than over the same period in 2019. This increase was mainly driven by solar production, which was 60.0 TWh during the first semester of 2020, 17.5% higher than over the same period in 2019.
- In Japan , nuclear power production has decreased significantly in the first semester of 2020 compared to the same period in 2019. Nuclear output was 27.48 TWh during the first six months of 2020, down by 22.0% compared to the same period in 2019. This lower production level is due to the shut down of two nuclear reactor at the Sendai power plant after the plant's operator failed to meet the deadline to complete an anti-terror safety facility. Natural gas production also decreased significantly during the first six months of 2020, with an output of 146.9 TWh compared to 170.7 TWh during the same period in 2019. The biggest decrease was recorded during the second quarter where production fell by 16.9% compared to the same period in 2019, as a result of lower demand due to the Covid 19 crisis.

OECD Europe

- Net production in OECD Europe remained low in June 2020, with an output of 250.7 TWh, 6.2% lower than in June 2019 and 0.5% higher than in May 2020. Non-renewable production increased in June 2020 for the first time in 2020, and was 135.7 TWh or 9.9% higher than in May 2020. It remained 10.5% lower than in June 2019. During the first semester of 2020, non-renewable production decreased by 15.4% down to 892.2 TWh, as a result of a milder than average winter and the Covid-19 crisis. Nuclear production was the lowest on record over the first six months of 2020, with a total production of 352.1 TWh during the first semester of 2020, 12.0% lower than over the same period in 2019.
- Lower nuclear production in OECD Europe was mainly caused by historically low nuclear production in France. Nuclear production in France is on average 49.0% of the total OECD Europe nuclear electricity output. In France, power demand was lower during the first semester of 2020 due to warmer winter temperatures and the Covid-19 crisis. As a result, nuclear outages were extended throughout the summer of 2020 in an effort to preserve fuel and to adapt to lower demand on a national scale and from neighbouring countries. In June 2020, nuclear production was 21.4 TWh, down by 25.3% compared to June 2019 and by 13.7% compared to May 2019, to reach the lowest production level on record, with a share of 60.6% of the total mix. Lower nuclear production in France in June 2020 resulted in lower exports, which were 4.6 TWh, 39.0% lower than in June 2019 and 34.6% lower than in May 2020.
- In the United Kingdom, nuclear production decreased significantly as well during the first semester of 2020. Nuclear production was 22.7 TWh, 7.4% lower than during the same period in 2019. This lower production is a consequence of several outages during the first semester of 2020. During the second semester, the electricity output of the Sizewell B power plant was curtailed to help with grid management.
- In Sweden, nuclear production also decreased substantially during the first six months of 2020 down by 22.1% compared to the same period in 2019 to reach 25.7 TWh. During the second quarter of 2020, nuclear production decreased by 35.6% compared to the second quarter in 2019. Due to lower power demand and low electricity prices, the Rignhals power plant reactors were taken offline in March and April 2020, driving the nuclear production levels down in the second quarter of 2020.

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



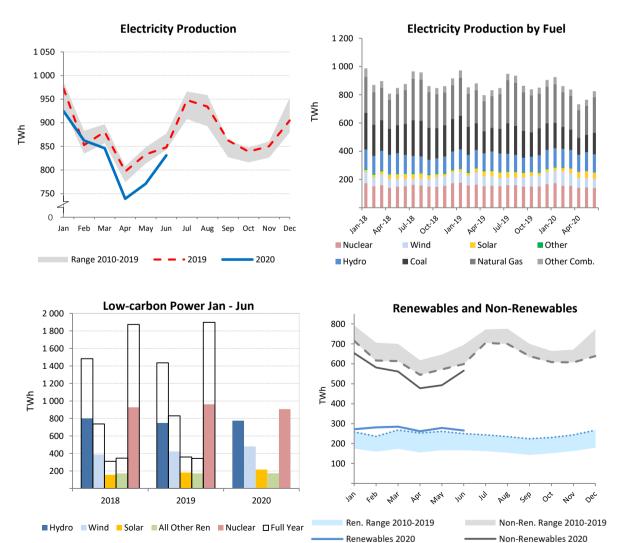
Source IEA: All rights reserved i International Energy Agency

OECD Total

		Jun 2	.020		Ye	ar-to-Dat	е	20:	19
	TWh	change ¹	change ²	share	2020	2019	change ³	TWh	share
CONVENTIONAL THERMAL	446.7	-4.0%	20.3%	53.7%	2 559.0	2 827.4	-9.5%	5 915.7	56.2%
Coal ⁵	154.1	-12.8%	24.0%	18.5%	889.8	1 137.5	-21.7%	2 310.2	22.0%
Oil ⁵	14.6	3.0%	18.0%	1.8%	81.1	92.5	-12.3%	188.9	1.8%
Natural Gas ⁵	251.0	1.6%	22.0%	30.2%	1 411.4	1 422.0	-0.7%	3 065.2	29.1%
Combustible Renewables ⁵	22.6	0.8%	-5.4%	2.7%	147.4	146.4	0.7%	291.5	2.8%
Other Combustibles ⁵	4.3	-4.9%	-1.3%	0.5%	29.3	28.9	1.4%	59.8	0.6%
Nuclear	139.7	-8.7%	-2.7%	16.8%	906.7	961.5	-5.7%	1 898.2	18.0%
Hydro	129.3	2.5%	-4.3%	15.6%	774.2	749.1	3.4%	1 435.8	13.6%
Wind	63.4	14.3%	-5.4%	7.6%	479.9	422.4	13.6%	830.5	7.9%
Solar	45.8	10.3%	-4.3%	5.5%	215.5	181.4	18.8%	359.8	3.4%
Geothermal	4.0	-0.7%	-4.7%	0.5%	25.2	25.7	-2.2%	50.2	0.5%
Other Renewables	0.1	23.0%	-2.3%	0.0%	0.5	0.5	9.2%	1.0	0.0%
Non-Specified	2.0	-20.4%	5.9%	0.2%	13.4	16.6	-19.1%	32.8	0.3%
RENEWABLES	265.2	6.2%	-4.7%	31.9%	1 642.8	1 525.5	7.7%	2 968.7	28.2%
NON-RENEWABLES	565.8	-5.4%	14.8%	68.1%	3 331.7	3 659.0	-8.9%	7 555.1	71.8%
TOTAL NET PRODUCTION	831.0	-2.0%	7.8%		4 974.4	5 184.6	-4.1%	10 523.8	
+ Imports	35.1	-11.5%	-11.2%		243.2	248.2	-2.0%	491.4	
- Exports	36.3	-5.4%	-14.2%		251.0	239.7	4.7%	484.0	
= ELECTRICITY SUPPLIED	829.8	-2.3%	8.0%		4 966.5	5 193.0	-4.4%	10 531.3	
- Used for pumped storage ⁴	7.7	6.4%	-1.1%		43.3	39.7	9.1%	83.0	
- T&D Losses ⁴	55.3	2.0%	5.8%		305.1	317.9	-4.0%	633.4	
= ELECTRICITY CONSUMED	766.7	-2.7%	8.3%		4 618.1	4 835.4	-4.5%	9 814.9	

¹ current month to month of last year change

 $^{^{\}rm 5}$ the breakdown of conventional thermal is estimated from annual data for Canada, Estonia and Italy



Non-Renewables 2019

····· Renewables 2019

² month-to-month change

³ year-to-date compared to same period last year

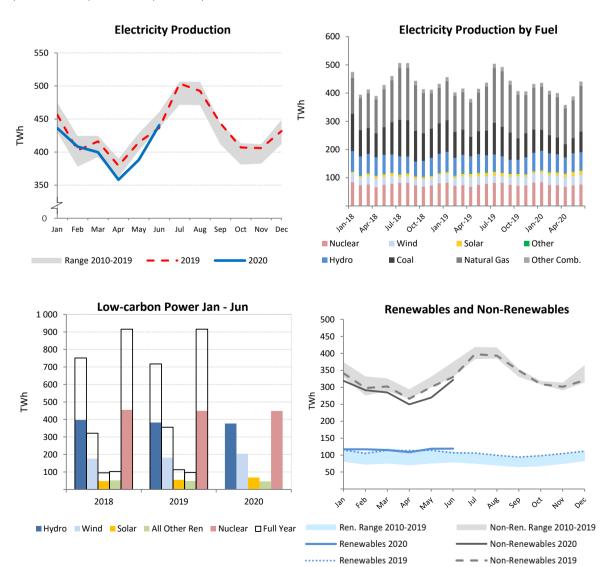
⁴ estimated for certain countries

OECD Americas

		Jun 2	020		Ye	ear-to-Dat	e	2019		
	TWh	change ¹	change ²	share	2020	2019	change ³	TWh	share	
CONVENTIONAL THERMAL	250.8	-2.7%	24.0%	56.9%	1 321.4	1 424.5	-7.2%	3 064.6	59.0%	
Coal ⁵	74.1	-16.6%	35.4%	16.8%	379.7	535.4	-29.1%	1 097.1	21.1%	
Oil ⁵	7.6	24.6%	16.8%	1.7%	39.3	36.3	8.2%	75.1	1.4%	
Natural Gas ⁵	162.6	4.4%	21.1%	36.9%	861.2	810.0	6.3%	1 806.5	34.8%	
Combustible Renewables ⁵	5.6	-9.7%	-3.5%	1.3%	35.9	37.9	-5.2%	75.6	1.5%	
Other Combustibles ⁵	0.8	-0.2%	-6.7%	0.2%	5.3	4.9	8.8%	10.4	0.2%	
Nuclear	76.1	-2.8%	4.5%	17.3%	448.5	449.5	-0.2%	915.6	17.6%	
Hydro	63.1	6.7%	-1.1%	14.3%	376.9	382.3	-1.4%	716.8	13.8%	
Wind	34.2	27.7%	4.5%	7.8%	204.2	181.6	12.4%	355.5	6.8%	
Solar	14.4	16.1%	-1.8%	3.3%	68.2	55.4	23.1%	113.1	2.2%	
Geothermal	1.7	-5.5%	-5.7%	0.4%	10.2	10.7	-4.5%	20.8	0.4%	
Other Renewables	-	-	-	-	-	0.0	-	0.0	0.0%	
Non-Specified	0.4	-3.1%	-2.6%	0.1%	2.1	2.3	-10.4%	4.7	0.1%	
RENEWABLES	119.0	11.9%	0.2%	27.0%	695.4	667.9	4.1%	1 281.8	24.7%	
NON-RENEWABLES	321.7	-2.6%	19.3%	73.0%	1 736.1	1 838.3	-5.6%	3 909.3	75.3%	
TOTAL NET PRODUCTION	440.7	0.9%	13.4%		2 431.5	2 506.2	-3.0%	5 191.1		
+ Imports	6.6	0.9%	6.0%		35.5	37.6	-5.6%	74.0		
- Exports	8.2	26.3%	-6.8%		45.1	38.5	17.4%	81.3		
= ELECTRICITY SUPPLIED	439.1	0.6%	13.8%		2 421.8	2 505.3	-3.3%	5 183.8		
- Used for pumped storage ⁴	2.7	17.6%	22.8%		12.0	12.1	-0.2%	26.2		
- T&D Losses ⁴	31.2	4.6%	8.6%		143.7	153.3	-6.3%	306.9		
= ELECTRICITY CONSUMED	405.2	0.2%	14.1%		2 266.1	2 339.9	-3.2%	4 850.6		

¹ current month to month of last year change

 $^{^{\}rm 5}$ the breakdown of conventional thermal is estimated from annual data for Canada



² month-to-month change

³ year-to-date compared to same period last year

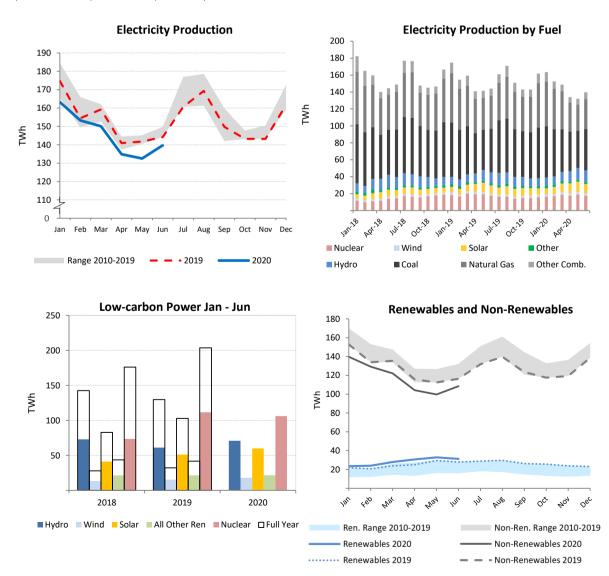
⁴ estimated for certain countries

OECD Asia Oceania

		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	TWh	change ¹	change ²	share	2020	2019	change ³	TWh	share	
CONVENTIONAL THERMAL	92.4	-7.0%	12.3%	66.1%	604.7	659.5	-8.3%	1 341.8	72.8%	
Coal	48.7	-6.2%	10.3%	34.9%	310.4	327.9	-5.2%	676.0	36.7%	
Oil	4.0	-11.4%	25.6%	2.8%	22.8	33.6	-32.2%	68.3	3.7%	
Natural Gas	35.7	-7.5%	17.2%	25.6%	245.4	271.6	-9.7%	544.7	29.6%	
Combustible Renewables	2.6	11.4%	-1.2%	1.8%	16.1	16.2	-0.9%	31.3	1.7%	
Other Combustibles	1.4	-16.0%	3.1%	1.0%	10.1	10.1	-0.7%	21.6	1.2%	
Nuclear	17.4	-1.6%	-8.2%	12.5%	106.0	111.7	-5.1%	203.7	11.1%	
Hydro	13.8	7.9%	-2.6%	9.9%	70.9	61.2	15.9%	129.7	7.0%	
Wind	2.8	25.8%	-9.4%	2.0%	17.8	15.2	17.0%	32.1	1.7%	
Solar	11.3	15.8%	-7.1%	8.1%	60.0	51.0	17.5%	102.8	5.6%	
Geothermal	0.8	-0.3%	-4.2%	0.6%	5.1	5.0	3.8%	10.0	0.5%	
Other Renewables	0.1	50.3%	-4.0%	0.0%	0.3	0.2	19.3%	0.5	0.0%	
Non-Specified	1.2	-28.6%	13.1%	0.8%	8.8	11.5	-23.7%	22.7	1.2%	
RENEWABLES	31.3	12.2%	-4.8%	22.4%	170.1	148.8	14.3%	306.2	16.6%	
NON-RENEWABLES	108.4	-6.8%	8.7%	77.6%	703.4	766.5	-8.2%	1 536.9	83.4%	
TOTAL NET PRODUCTION	139.6	-3.2%	5.4%		873.6	915.4	-4.6%	1 843.1		
+ Imports	-	-	-		-	-	-	-		
- Exports	-	-	-		-	-	-	-		
= ELECTRICITY SUPPLIED	139.6	-3.2%	5.4%		873.6	915.4	-4.6%	1 843.1		
- Used for pumped storage ⁴	1.4	31.5%	-5.5%		7.8	7.2	8.4%	15.6		
- T&D Losses ⁴	6.0	-2.8%	5.6%		37.8	39.3	-3.8%	78.5		
= ELECTRICITY CONSUMED	132.2	-3.4%	5.5%		828.0	868.9	-4.7%	1 749.0		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



⁴ estimated for certain countries

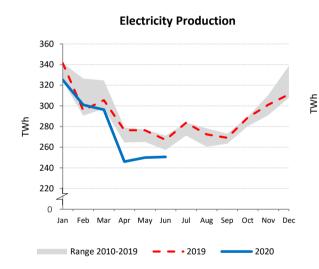
² month-to-month change

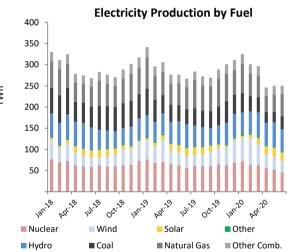
OECD Europe

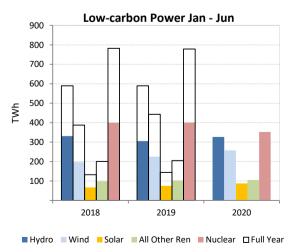
		Jun 2	2020		Yo	ear-to-Date	e	2019		
	TWh	change ¹	change ²	share	2020	2019	change ³	TWh	share	
CONVENTIONAL THERMAL	103.5	-4.2%	19.4%	41.3%	632.9	743.4	-14.9%	1 509.2	43.2%	
Coal ⁵	31.2	-12.9%	23.2%	12.4%	199.7	274.2	-27.2%	537.1	15.4%	
Oil ⁵	3.1	-15.7%	11.9%	1.2%	19.0	22.6	-15.7%	45.5	1.3%	
Natural Gas ⁵	52.7	0.1%	28.5%	21.0%	304.8	340.4	-10.4%	714.1	20.5%	
Combustible Renewables ⁵	14.4	3.8%	-6.9%	5.8%	95.5	92.4	3.4%	184.7	5.3%	
Other Combustibles ⁵	2.1	1.8%	-1.8%	0.9%	13.9	13.9	0.4%	27.9	0.8%	
Nuclear	46.2	-19.0%	-10.8%	18.4%	352.1	400.3	-12.0%	778.8	22.3%	
Hydro	52.4	-3.4%	-8.3%	20.9%	326.4	305.6	6.8%	589.3	16.9%	
Wind	26.5	-0.1%	-15.3%	10.6%	257.9	225.6	14.3%	442.9	12.7%	
Solar	20.0	3.9%	-4.3%	8.0%	87.4	75.0	16.5%	143.9	4.1%	
Geothermal	1.5	4.9%	-3.9%	0.6%	9.9	10.1	-2.6%	19.5	0.6%	
Other Renewables	0.0	-	-	0.0%	0.2	0.2	-	0.5	0.0%	
Non-Specified	0.4	-4.6%	-3.9%	0.2%	2.6	2.7	-6.9%	5.5	0.2%	
RENEWABLES	115.0	-0.5%	-9.1%	45.9%	777.2	708.9	9.6%	1 380.7	39.6%	
NON-RENEWABLES	135.7	-10.5%	9.9%	54.1%	892.2	1 054.2	-15.4%	2 108.9	60.4%	
TOTAL NET PRODUCTION	250.7	-6.2%	0.3%		1 669.4	1 763.0	-5.3%	3 489.6		
+ Imports	28.5	-13.9%	-14.4%		207.7	210.6	-1.4%	417.4		
- Exports	28.1	-11.9%	-16.2%		205.9	201.2	2.3%	402.7		
= ELECTRICITY SUPPLIED	251.1	-6.4%	0.5%		1 671.2	1 772.4	-5.7%	3 504.4		
- Used for pumped storage ⁴	3.6	-7.3%	-12.5%		23.5	20.5	14.8%	41.2		
- T&D Losses ⁴	18.2	-0.5%	1.4%		123.5	125.3	-1.4%	248.0		
= ELECTRICITY CONSUMED	229.3	-6.9%	0.7%		1 524.1	1 626.6	-6.3%	3 215.2		

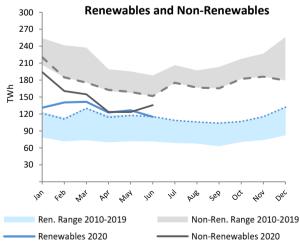
¹ current month to month of last year change

 $^{^{\}rm 5}$ the breakdown of conventional thermal is estimated from annual data for Estonia and Italy









····· Renewables 2019

- Non-Renewables 2019

² month-to-month change

³ year-to-date compared to same period last year

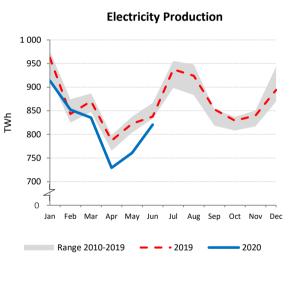
⁴ estimated for certain countries

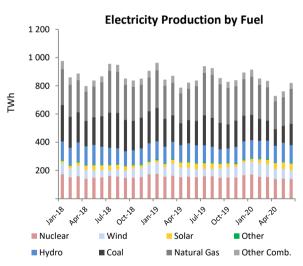
IEA Total

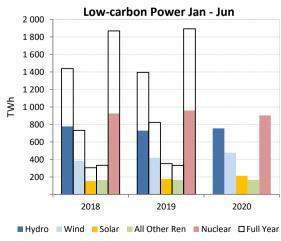
		Jun 2	2020		Ye	ear-to-Date	e	2019		
	TWh	change ¹	change ²	share	2020	2019	change ³	TWh	share	
CONVENTIONAL THERMAL	441.1	-4.2%	20.5%	53.8%	2 528.6	2 798.0	-9.6%	5 859.2	56.3%	
Coal ⁵	151.5	-12.8%	24.4%	18.5%	875.4	1 122.5	-22.0%	2 280.7	21.9%	
Oil ⁵	14.1	-0.8%	18.0%	1.7%	78.7	91.3	-13.8%	185.9	1.8%	
Natural Gas ⁵	249.0	1.5%	22.1%	30.4%	1 400.9	1 412.0	-0.8%	3 047.0	29.3%	
Combustible Renewables ⁵	22.1	0.9%	-5.4%	2.7%	144.3	143.4	0.7%	285.9	2.7%	
Other Combustibles ⁵	4.3	-5.0%	-1.4%	0.5%	29.3	28.9	1.4%	59.7	0.6%	
Nuclear	139.2	-8.7%	-2.7%	17.0%	903.6	958.5	-5.7%	1 892.6	18.2%	
Hydro	126.4	2.9%	-4.5%	15.4%	755.1	729.0	3.6%	1 394.5	13.4%	
Wind	62.9	14.5%	-5.5%	7.7%	476.7	419.6	13.6%	824.0	7.9%	
Solar	45.3	10.4%	-4.1%	5.5%	212.0	178.4	18.8%	353.2	3.4%	
Geothermal	3.5	-1.5%	-4.4%	0.4%	22.0	22.7	-3.0%	44.1	0.4%	
Other Renewables	0.1	23.0%	-2.3%	0.0%	0.5	0.5	9.2%	1.0	0.0%	
Non-Specified	2.0	-19.8%	5.9%	0.2%	13.4	16.5	-18.6%	32.6	0.3%	
RENEWABLES	260.4	6.5%	-4.7%	31.7%	1 610.7	1 493.6	7.8%	2 902.7	27.9%	
NON-RENEWABLES	560.2	-5.6%	14.9%	68.3%	3 301.3	3 629.6	-9.0%	7 498.5	72.1%	
TOTAL NET PRODUCTION	820.5	-2.1%	7.8%		4 912.0	5 123.2	-4.1%	10 401.2		
+ Imports	33.5	-10.0%	-11.0%		231.2	234.3	-1.3%	464.5		
- Exports	35.0	-4.5%	-14.6%		243.3	230.8	5.4%	467.2		
= ELECTRICITY SUPPLIED	819.0	-2.3%	8.1%		4 899.9	5 126.7	-4.4%	10 398.5		
- Used for pumped storage ⁴	7.6	6.7%	-1.1%		42.7	39.4	8.3%	81.9		
- T&D Losses ⁴	54.9	2.2%	5.9%		301.8	314.4	-4.0%	626.7		
= ELECTRICITY CONSUMED	756.5	-2.7%	8.4%		4 555.5	4 772.9	-4.6%	9 689.8		

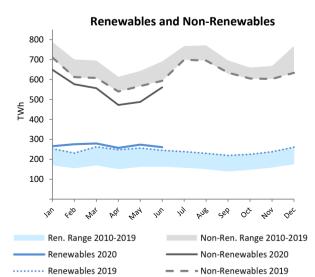
¹ current month to month of last year change

 $^{^{\}rm 5}$ the breakdown of conventional thermal is estimated from annual data for Canada, Estonia, and Italy









² month-to-month change

³ year-to-date compared to same period last year

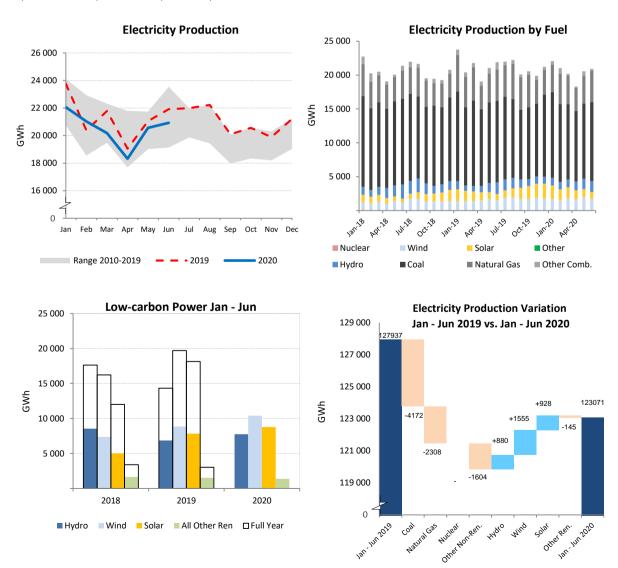
⁴ estimated for certain countries

AUSTRALIA

		Jun 2	2020		Ye	ar-to-Dat	e	2019	
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	16 591	-6.6%	4.6%	79.3%	96 137	104 366	-7.9%	201 698	79.4%
Coal	11 704	-3.3%	5.7%	55.9%	68 498	72 670	-5.7%	140 416	55.3%
Oil	62	-92.6%	-85.4%	0.3%	1 423	3 027	-53.0%	4 435	1.7%
Natural Gas	4 607	0.3%	11.2%	22.0%	24 838	27 146	-8.5%	53 824	21.2%
Combustible Renewables	218	-9.1%	-5.4%	1.0%	1 379	1 524	-9.5%	3 024	1.2%
Other Combustibles	-	-	-	-	-	-	=	-	-
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	1 589	-7.9%	3.5%	7.6%	7 748	6 868	12.8%	14 345	5.6%
Wind	1 752	14.2%	-12.3%	8.4%	10 413	8 858	17.6%	19 718	7.8%
Solar	995	12.1%	-14.0%	4.8%	8 773	7 846	11.8%	18 153	7.1%
Geothermal	-	=	-	-	-	=	-	-	-
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-	-	-
RENEWABLES	4 554	3.8%	-7.4%	21.8%	28 313	25 095	12.8%	55 239	21.8%
NON-RENEWABLES	16 373	-6.6%	4.7%	78.2%	94 758	102 843	-7.9%	198 674	78.2%
TOTAL NET PRODUCTION	20 927	-4.5%	1.8%		123 071	127 937	-3.8%	253 913	
+ Imports	-	-	-		-	-	-	-	
- Exports	-	-	-		-	-	=	-	
= ELECTRICITY SUPPLIED	20 927	-4.5%	1.8%		123 071	127 937	-3.8%	253 913	
- Used for pumped storage ⁴	46	-7.9%	3.5%		224	199	12.8%	415	
- T&D Losses ⁴	1 250	-1.8%	4.0%		7 203	7 389	-2.5%	14 625	
= ELECTRICITY CONSUMED	19 631	-4.7%	1.7%		115 644	120 350	-3.9%	238 873	

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



⁴ estimated

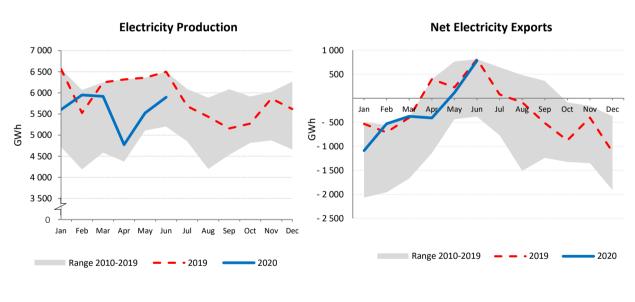
² month-to-month change

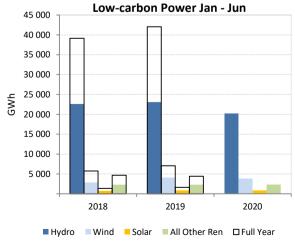
AUSTRIA

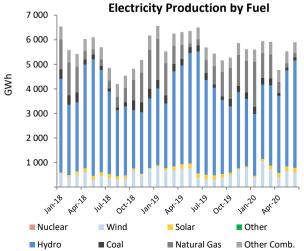
		Jun 2	.020		Ye	ear-to-Dat	e	20:	19
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	740	-25.1%	-5.3%	12.5%	8 772	9 469	-7.4%	19 838	28.1%
Coal	138	-46.3%	-3.5%	2.3%	1 271	1 805	-29.6%	3 244	4.6%
Oil	50	-5.3%	20.6%	0.8%	303	343	-11.9%	659	0.9%
Natural Gas	176	-29.1%	5.8%	3.0%	4 618	4 659	-0.9%	10 759	15.3%
Combustible Renewables	337	-10.1%	-13.2%	5.7%	2 307	2 286	0.9%	4 426	6.3%
Other Combustibles	39	-29.4%	-8.0%	0.7%	274	376	-27.1%	749	1.1%
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	4 375	-11.7%	12.2%	74.2%	20 200	23 078	-12.5%	42 027	59.6%
Wind	596	60.6%	-7.9%	10.1%	3 817	4 091	-6.7%	7 053	10.0%
Solar⁴	186	-	-4.6%	3.2%	869	869	-	1 618	2.3%
Geothermal	0	-	-	0.0%	0	0	-	0	0.0%
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	1	9.6%	1.1%	0.0%	7	6	5.0%	12	0.0%
RENEWABLES	5 494	-6.7%	7.1%	93.1%	27 194	30 324	-10.3%	55 124	78.1%
NON-RENEWABLES	404	-34.2%	2.5%	6.9%	6 472	7 190	-10.0%	15 424	21.9%
TOTAL NET PRODUCTION	5 898	-9.3%	6.8%		33 666	37 514	-10.3%	70 548	
+ Imports	1 278	-0.3%	-25.8%		12 646	12 738	-0.7%	26 047	
- Exports	2 060	-1.6%	11.8%		11 141	12 529	-11.1%	22 918	
= ELECTRICITY SUPPLIED	5 116	-10.0%	-5.3%		35 171	37 723	-6.8%	73 676	
- Used for pumped storage	384	-20.3%	-20.5%		2 558	2 494	2.6%	4 826	
- T&D Losses	264	-7.8%	-1.3%		1 829	1 901	-3.8%	3 767	
= ELECTRICITY CONSUMED	4 468	-9.2%	-4.0%		30 784	33 327	-7.6%	65 083	

¹ current month to month of last year change

 $^{^{\}rm 3}$ year-to-date compared to same period last year







⁴ estimated by the IEA secretariat

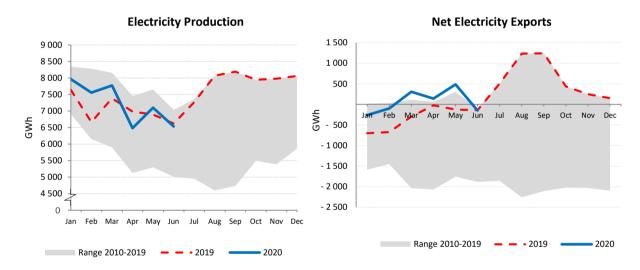
² month-to-month change

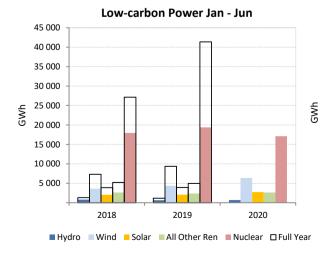
BELGIUM

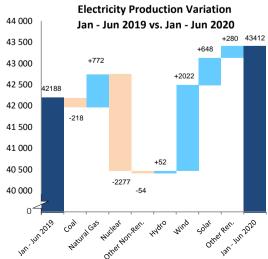
		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	3 014	20.9%	23.1%	46.1%	16 378	15 574	5.2%	33 507	37.4%	
Coal	150	-24.4%	-3.9%	2.3%	1 012	1 230	-17.7%	2 434	2.7%	
Oil	1	-22.5%	-0.8%	0.0%	7	14	-50.5%	26	0.0%	
Natural Gas	2 331	33.6%	36.0%	35.7%	12 065	11 293	6.8%	24 729	27.6%	
Combustible Renewables	430	-4.1%	-7.8%	6.6%	2 640	2 360	11.9%	4 987	5.6%	
Other Combustibles	101	1.5%	-8.3%	1.5%	654	677	-3.4%	1 332	1.5%	
Nuclear	2 146	-26.1%	-29.1%	32.8%	17 089	19 366	-11.8%	41 359	46.1%	
Hydro	85	-6.7%	-5.7%	1.3%	682	630	8.2%	1 147	1.3%	
Wind	619	13.8%	-15.7%	9.5%	6 355	4 333	46.7%	9 369	10.4%	
Solar	641	14.7%	-15.5%	9.8%	2 717	2 069	31.3%	3 919	4.4%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	28	-10.2%	-24.6%	0.4%	191	215	-11.4%	408	0.5%	
RENEWABLES	1 776	8.1%	-13.4%	27.2%	12 394	9 393	32.0%	19 421	21.6%	
NON-RENEWABLES	4 758	-4.4%	-5.7%	72.8%	31 018	32 795	-5.4%	70 288	78.4%	
TOTAL NET PRODUCTION	6 534	-1.3%	-8.0%		43 412	42 188	2.9%	89 709		
+ Imports	977	-31.0%	-3.7%		6 266	8 038	-22.1%	12 735		
- Exports	828	-35.0%	-44.7%		6 688	6 080	10.0%	14 589		
= ELECTRICITY SUPPLIED	6 682	-1.2%	1.0%		42 990	44 147	-2.6%	87 855		
- Used for pumped storage	106	1.1%	2.7%		695	606	14.7%	1 162		
- T&D Losses	337	-1.6%	1.0%		2 176	2 247	-3.2%	4 472		
= ELECTRICITY CONSUMED	6 239	-1.2%	1.0%		40 118	41 293	-2.8%	82 220		

¹ current month to month of last year change

³ year-to-date compared to same period last year







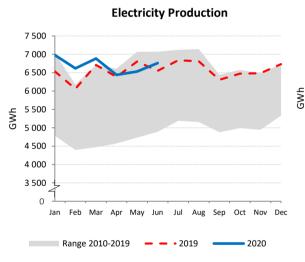
² month-to-month change

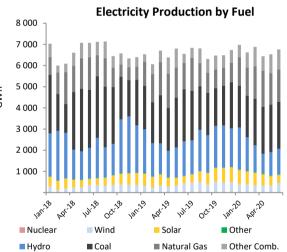
CHILE

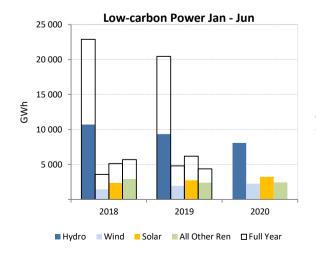
		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	4 692	13.5%	1.5%	69.4%	26 514	24 889	6.5%	47 041	59.8%	
Coal	2 234	-9.4%	-1.0%	33.0%	12 888	13 146	-2.0%	25 431	32.3%	
Oil	577	1155.9%	15.7%	8.5%	2 380	1 162	104.8%	2 911	3.7%	
Natural Gas	1 519	22.4%	2.4%	22.5%	8 929	8 292	7.7%	14 521	18.5%	
Combustible Renewables	363	-4.5%	-5.4%	5.4%	2 316	2 289	1.2%	4 177	5.3%	
Other Combustibles	-	-	-	-	-	-	-	-	-	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	1 213	-25.2%	9.3%	17.9%	8 082	9 352	-13.6%	20 456	26.0%	
Wind	462	5.3%	39.9%	6.8%	2 255	1 948	15.8%	4 800	6.1%	
Solar	370	9.0%	-16.7%	5.5%	3 228	2 745	17.6%	6 188	7.9%	
Geothermal	21	20.7%	-14.7%	0.3%	133	107	24.5%	202	0.3%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	2 429	-13.2%	5.9%	35.9%	16 014	16 441	-2.6%	35 823	45.5%	
NON-RENEWABLES	4 330	15.4%	2.2%	64.1%	24 198	22 600	7.1%	42 864	54.5%	
TOTAL NET PRODUCTION	6 759	3.2%	3.5%		40 212	39 041	3.0%	78 686		
+ Imports	-	-	-		-	-	-	-		
- Exports	-	-	-		-	-	-	-		
= ELECTRICITY SUPPLIED	6 759	3.2%	3.5%		40 212	39 041	3.0%	78 686		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses	278	-0.3%	3.3%		1 668	1 892	-11.9%	3 560		
= ELECTRICITY CONSUMED	6 481	3.3%	3.5%		38 544	37 149	3.8%	75 126		

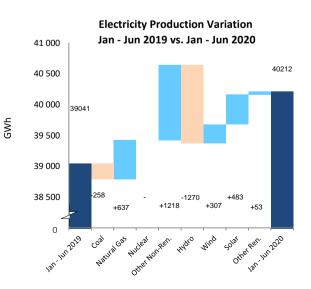
 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year









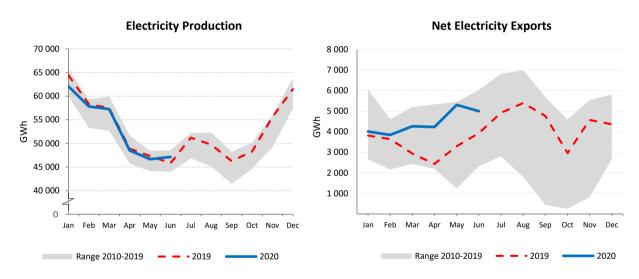
² month-to-month change

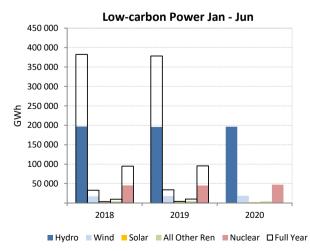
CANADA

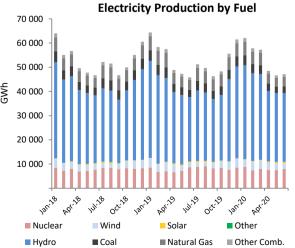
		Jun 2	020		Y	ear-to-Date	•	20:	19
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	7 850	-3.4%	7.6%	16.7%	55 057	61 357	-10.3%	123 037	19.4%
Coal ⁴	2 908	-3.4%	7.6%	6.2%	20 392	22 725	-10.3%	45 570	7.2%
Oil ⁴	368	-3.4%	7.6%	0.8%	2 578	2 873	-10.3%	5 760	0.9%
Natural Gas ⁴	3 928	-3.4%	7.6%	8.3%	27 551	30 703	-10.3%	61 569	9.7%
Combustible Renewables ⁴	641	-3.4%	7.6%	1.4%	4 498	5 012	-10.3%	10 051	1.6%
Other Combustibles ⁴	6	-3.4%	7.6%	0.0%	39	44	-10.3%	88	0.0%
Nuclear	7 954	-7.7%	6.3%	16.9%	47 246	44 852	5.3%	95 461	15.0%
Hydro	28 352	6.5%	-0.5%	60.2%	196 362	195 854	0.3%	378 127	59.6%
Wind	2 396	24.5%	-17.1%	5.1%	18 530	17 982	3.0%	33 840	5.3%
Solar	572	6.3%	16.2%	1.2%	2 173	2 108	3.1%	4 175	0.7%
Geothermal	-	-	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	1	-	1	0.0%
Non-Specified	11	35.0%	2.7%	0.0%	69	94	-26.8%	169	0.0%
RENEWABLES	31 961	7.5%	-1.6%	67.8%	221 562	220 958	0.3%	426 194	67.1%
NON-RENEWABLES	15 174	-5.7%	6.9%	32.2%	97 874	101 291	-3.4%	208 617	32.9%
TOTAL NET PRODUCTION	47 134	2.9%	1.0%		319 436	322 248	-0.9%	634 811	
+ Imports	782	-16.4%	-13.6%		5 661	7 087	-20.1%	13 369	
- Exports	5 777	18.7%	-6.9%		32 300	27 129	19.1%	60 376	
= ELECTRICITY SUPPLIED	42 139	0.6%	1.9%		292 797	302 207	-3.1%	587 804	
- Used for pumped storage ⁴	16	6.6%	-0.5%		109	109	0.3%	210	
- T&D Losses ⁴	2 612	4.6%	0.7%		17 722	17 583	0.8%	34 606	
= ELECTRICITY CONSUMED	39 511	0.3%	2.0%		274 966	284 515	-3.4%	552 988	

¹ current month to month of last year change

³ year-to-date compared to same period last year







⁴estimated from annual data

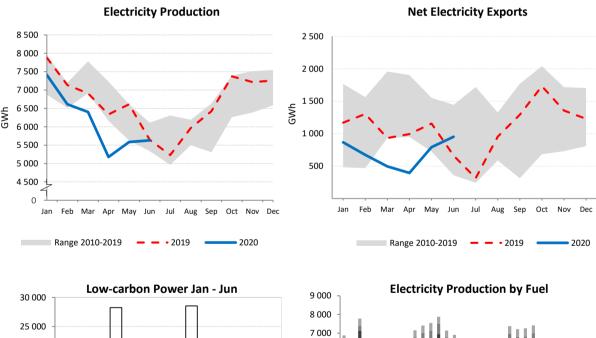
² month-to-month change

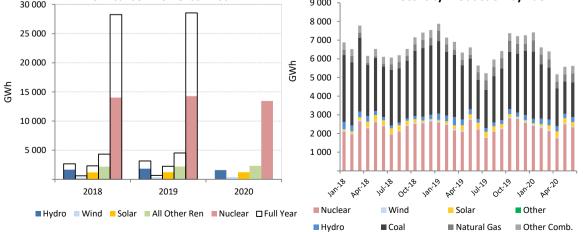
CZECH REPUBLIC

		Jun 2020				ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	2 741	-4.3%	8.9%	48.7%	20 117	22 775	-11.7%	45 231	56.5%	
Coal	1 867	-11.5%	7.6%	33.2%	14 952	18 372	-18.6%	35 362	44.2%	
Oil	6	-47.8%	67.3%	0.1%	35	52	-33.4%	104	0.1%	
Natural Gas	482	18.9%	24.9%	8.6%	2 768	2 122	30.5%	5 180	6.5%	
Combustible Renewables	378	13.6%	-2.6%	6.7%	2 320	2 192	5.8%	4 509	5.6%	
Other Combustibles	7	23.6%	47.8%	0.1%	42	37	15.0%	76	0.1%	
Nuclear	2 334	5.4%	-6.8%	41.5%	13 428	14 274	-5.9%	28 555	35.7%	
Hydro	266	36.7%	16.8%	4.7%	1 589	1 833	-13.4%	3 142	3.9%	
Wind	40	11.6%	-13.0%	0.7%	398	374	6.4%	689	0.9%	
Solar	240	-27.2%	-13.8%	4.3%	1 227	1 214	1.1%	2 257	2.8%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	9	27.2%	-12.3%	0.2%	57	54	5.4%	112	0.1%	
RENEWABLES	924	3.5%	-1.7%	16.4%	5 534	5 614	-1.4%	10 597	13.2%	
NON-RENEWABLES	4 705	-1.0%	1.3%	83.6%	31 283	34 911	-10.4%	69 388	86.8%	
TOTAL NET PRODUCTION	5 629	-0.3%	0.8%		36 817	40 525	-9.1%	79 985		
+ Imports	714	-8.5%	-28.8%		7 056	5 474	28.9%	11 026		
- Exports	1 666	15.5%	-7.2%		11 229	11 691	-4.0%	24 123		
= ELECTRICITY SUPPLIED	4 677	-6.1%	-2.4%		32 644	34 307	-4.8%	66 888		
- Used for pumped storage	79	-6.8%	-48.7%		846	686	23.3%	1 508		
- T&D Losses	287	-8.7%	12.6%		2 117	2 240	-5.5%	4 460		
= ELECTRICITY CONSUMED	4 311	-5.9%	-1.7%		29 681	31 381	-5.4%	60 921		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





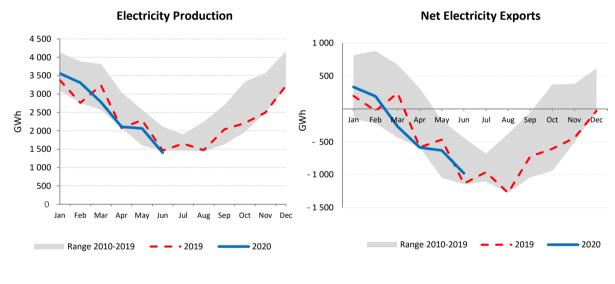
² month-to-month change

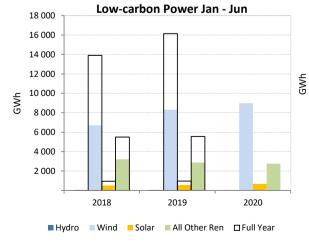
DENMARK

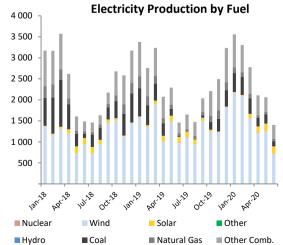
		Jun 2020				ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	509	49.0%	-18.7%	36.3%	5 544	6 322	-12.3%	11 164	39.5%	
Coal	125	455.8%	-44.3%	8.9%	1 812	2 033	-10.8%	2 983	10.5%	
Oil	18	42.5%	58.3%	1.3%	93	106	-12.4%	218	0.8%	
Natural Gas	55	-9.9%	-8.3%	3.9%	528	954	-44.6%	1 702	6.0%	
Combustible Renewables	265	35.3%	-1.2%	18.9%	2 759	2 867	-3.8%	5 550	19.6%	
Other Combustibles	47	-6.5%	-25.1%	3.4%	351	362	-3.0%	711	2.5%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	1	16.7%	-22.4%	0.1%	10	8	29.0%	16	0.1%	
Wind	711	-26.8%	-43.1%	50.7%	8 991	8 314	8.1%	16 150	57.1%	
Solar	181	22.9%	-2.7%	12.9%	670	554	21.1%	963	3.4%	
Geothermal	-	-	-	-	-	-	-	-	=	
Other Renewables	-	-	-	-	-	-	-	-	=	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	1 158	-12.0%	-32.1%	82.6%	12 431	11 743	5.9%	22 679	80.2%	
NON-RENEWABLES	245	67.4%	-31.7%	17.4%	2 784	3 455	-19.4%	5 614	19.8%	
TOTAL NET PRODUCTION	1 402	-4.0%	-32.0%		15 216	15 197	0.1%	28 293		
+ Imports	1 315	-27.4%	-11.0%		8 637	7 651	12.9%	15 982		
- Exports	337	-50.2%	-60.2%		6 701	5 874	14.1%	10 171		
= ELECTRICITY SUPPLIED	2 380	-8.4%	-11.6%		17 152	16 974	1.0%	34 105		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses	154	-0.3%	-18.0%		1 176	1 027	14.5%	2 042		
= ELECTRICITY CONSUMED	2 227	-8.9%	-11.2%		15 976	15 947	0.2%	32 063		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







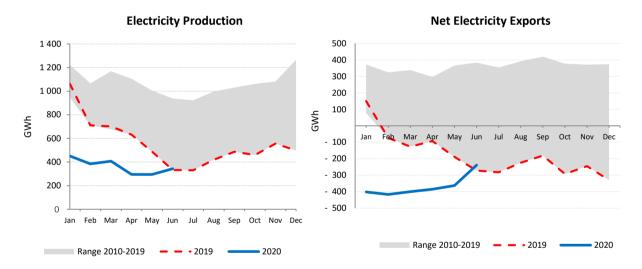
² month-to-month change

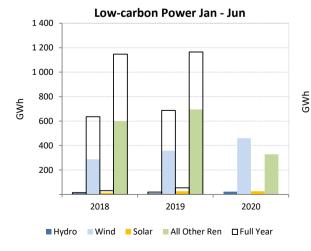
ESTONIA

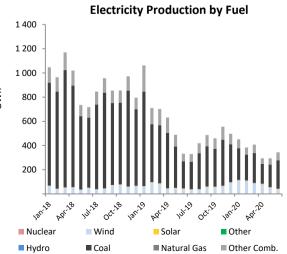
		Jun 2020				ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	299	4.1%	26.1%	87.0%	1 665	3 533	-52.9%	5 916	88.6%	
Coal ⁴	233	4.1%	26.1%	67.9%	1 300	2 759	-52.9%	4 619	69.2%	
Oil ⁴	1	4.2%	26.2%	0.3%	7	14	-52.9%	23	0.3%	
Natural Gas ⁴	2	4.1%	26.1%	0.5%	9	20	-52.9%	33	0.5%	
Combustible Renewables ⁴	59	4.1%	26.1%	17.1%	328	696	-52.9%	1 165	17.4%	
Other Combustibles ⁴	4	4.2%	26.1%	1.1%	21	45	-52.9%	76	1.1%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	3	314.3%	-3.3%	0.9%	23	10	124.5%	19	0.3%	
Wind	37	-7.4%	-25.4%	10.8%	460	357	28.7%	687	10.3%	
Solar	5	-	-	1.3%	27	27	-	54	0.8%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	104	1.6%	-0.6%	30.1%	838	1 090	-23.1%	1 925	28.8%	
NON-RENEWABLES	240	4.1%	26.1%	69.9%	1 337	2 838	-52.9%	4 751	71.2%	
TOTAL NET PRODUCTION	344	3.4%	16.7%		2 175	3 928	-44.6%	6 676		
+ Imports	545	-6.2%	-17.9%		3 769	2 181	72.8%	4 862		
- Exports	306	-1.0%	1.7%		1 563	1 577	-0.9%	2 703		
= ELECTRICITY SUPPLIED	583	-3.6%	-11.4%		4 381	4 532	-3.3%	8 835		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses ⁴	49	-2.7%	-7.3%		325	334	-2.7%	631		
= ELECTRICITY CONSUMED	534	-3.7%	-11.7%		4 056	4 198	-3.4%	8 204		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated from annual data

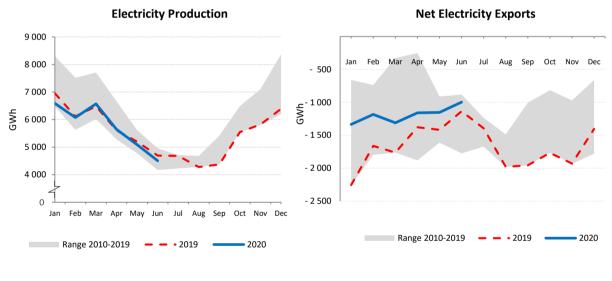
² month-to-month change

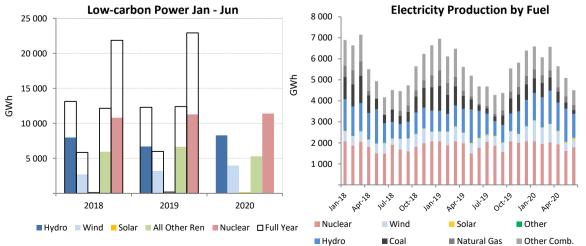
FINLAND

		Jun 2020				ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	1 124	-3.7%	-23.4%	24.9%	10 541	13 641	-22.7%	24 506	37.0%	
Coal	180	-31.5%	-41.5%	4.0%	3 065	4 375	-29.9%	7 607	11.5%	
Oil	10	-35.7%	-25.0%	0.2%	91	125	-27.2%	242	0.4%	
Natural Gas	249	256.9%	-13.5%	5.5%	1 860	2 224	-16.4%	3 769	5.7%	
Combustible Renewables	649	-17.1%	-21.2%	14.4%	5 297	6 659	-20.5%	12 393	18.7%	
Other Combustibles ⁴	35	-1.7%	-	0.8%	228	257	-11.4%	496	0.7%	
Nuclear	1 796	1.4%	11.2%	39.9%	11 402	11 283	1.1%	22 927	34.7%	
Hydro	1 133	-10.5%	-27.7%	25.1%	8 281	6 706	23.5%	12 299	18.6%	
Wind	366	-16.0%	-2.1%	8.1%	3 965	3 215	23.3%	5 985	9.0%	
Solar	66	107.7%	33.9%	1.5%	168	87	93.9%	178	0.3%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	21	-	-	0.5%	125	125	-	249	0.4%	
RENEWABLES	2 214	-12.0%	-21.3%	49.1%	17 710	16 667	6.3%	30 855	46.6%	
NON-RENEWABLES	2 291	5.3%	0.5%	50.9%	16 771	18 389	-8.8%	35 290	53.4%	
TOTAL NET PRODUCTION	4 506	-4.0%	-11.5%		34 481	35 056	-1.6%	66 144		
+ Imports	1 488	-10.0%	-14.6%		10 492	11 401	-8.0%	23 938		
- Exports	491	-5.4%	-16.9%		3 354	1 792	87.2%	3 896		
= ELECTRICITY SUPPLIED	5 503	-5.6%	-11.9%		41 618	44 665	-6.8%	86 186		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses	178	-9.3%	-15.9%		1 400	1 511	-7.3%	2 913		
= ELECTRICITY CONSUMED	5 325	-5.5%	-11.8%		40 218	43 155	-6.8%	83 273		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





⁴includes generation from peat

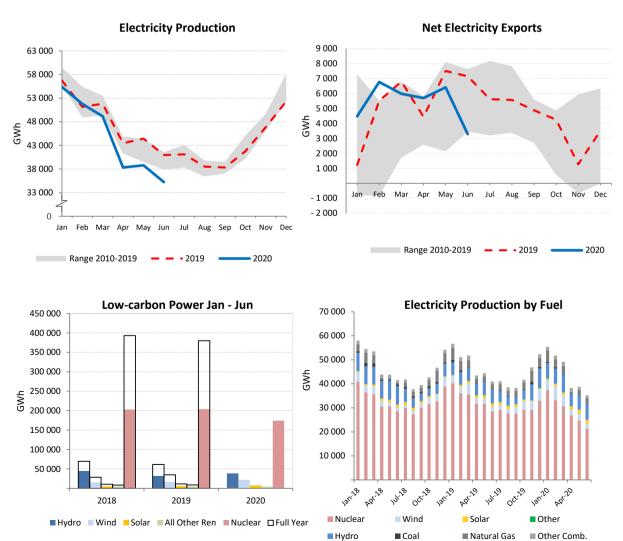
² month-to-month change

FRANCE

		Jun 2	020		Y	ear-to-Date	•	20:	19
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	3 657	16.9%	32.1%	10.4%	26 284	29 535	-11.0%	58 888	10.8%
Coal	191	-17.7%	-36.6%	0.5%	1 920	2 882	-33.4%	6 101	1.1%
Oil	536	9.1%	6.1%	1.5%	3 157	3 028	4.2%	6 133	1.1%
Natural Gas	2 324	34.1%	81.0%	6.6%	15 864	17 969	-11.7%	36 078	6.6%
Combustible Renewables	455	-17.4%	-21.3%	1.3%	4 293	4 466	-3.9%	8 188	1.5%
Other Combustibles	151	24.9%	51.3%	0.4%	1 050	1 190	-11.7%	2 388	0.4%
Nuclear	21 358	-25.3%	-13.7%	60.6%	174 215	203 950	-14.6%	379 870	69.4%
Hydro	6 439	9.2%	-4.7%	18.3%	38 490	31 785	21.1%	61 376	11.2%
Wind	2 066	7.7%	-23.5%	5.9%	21 852	16 802	30.1%	34 648	6.3%
Solar	1 605	21.0%	-5.5%	4.6%	7 186	5 818	23.5%	11 357	2.1%
Geothermal ⁴	9	-2.7%	-	0.0%	57	58	-2.7%	117	0.0%
Other Renewables	40	-	-	0.1%	237	237	-	474	0.1%
Non-Specified	55	-	-	0.2%	329	329	-	659	0.1%
RENEWABLES	10 614	8.9%	-9.9%	30.1%	72 116	59 167	21.9%	116 159	21.2%
NON-RENEWABLES	24 615	-21.2%	-8.8%	69.9%	196 535	229 348	-14.3%	431 229	78.8%
TOTAL NET PRODUCTION	35 228	-14.0%	-9.1%		268 651	288 514	-6.9%	547 388	
+ Imports	1 281	275.4%	119.6%		5 756	6 271	-8.2%	15 593	
- Exports	4 570	-39.0%	-34.6%		38 389	38 925	-1.4%	73 352	
= ELECTRICITY SUPPLIED	31 939	-5.5%	-1.3%		236 018	255 861	-7.8%	489 629	
- Used for pumped storage	431	-20.2%	-24.0%		3 326	3 050	9.1%	6 327	
- T&D Losses	2 486	-1.4%	-2.4%		20 021	21 062	-4.9%	39 849	
= ELECTRICITY CONSUMED	29 022	-5.6%	-0.8%		212 671	231 749	-8.2%	443 452	

¹ current month to month of last year change

³ year-to-date compared to same period last year



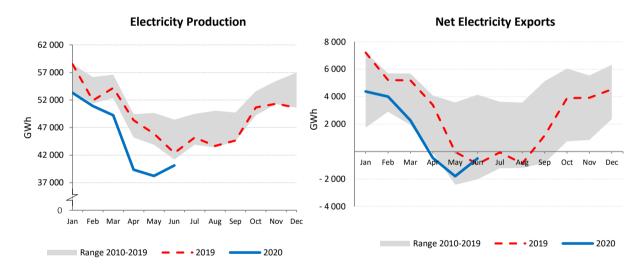
² month-to-month change

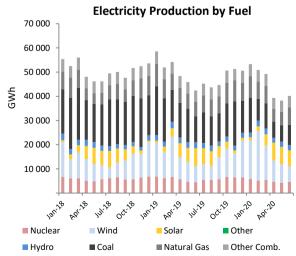
GERMANY

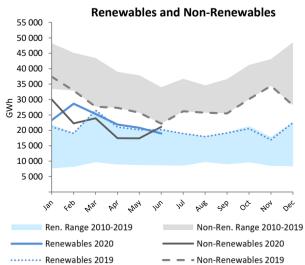
		Jun 2	2020		Y	ear-to-Date	•	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	20 213	-5.4%	19.3%	50.4%	125 375	161 595	-22.4%	318 151	54.2%	
Coal	8 344	-22.7%	22.8%	20.8%	55 576	90 506	-38.6%	172 439	29.4%	
Oil	333	-7.9%	24.3%	0.8%	2 018	2 347	-14.0%	4 725	0.8%	
Natural Gas	7 254	24.3%	30.2%	18.1%	41 372	42 111	-1.8%	87 812	15.0%	
Combustible Renewables	3 806	-0.9%	-2.5%	9.5%	23 626	23 483	0.6%	46 897	8.0%	
Other Combustibles	475	-8.7%	15.1%	1.2%	2 783	3 149	-11.6%	6 277	1.1%	
Nuclear	4 657	2.0%	8.7%	11.6%	30 042	34 580	-13.1%	70 983	12.1%	
Hydro	2 158	-10.2%	0.5%	5.4%	12 901	13 675	-5.7%	25 901	4.4%	
Wind	6 393	-2.5%	-16.2%	15.9%	73 367	65 367	12.2%	123 606	21.0%	
Solar	6 613	-10.6%	-7.1%	16.5%	28 909	25 439	13.6%	47 517	8.1%	
Geothermal	15	-	21.4%	0.0%	100	95	5.0%	170	0.0%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	91	3.0%	12.6%	0.2%	453	485	-6.6%	992	0.2%	
RENEWABLES	18 985	-6.1%	-8.8%	47.3%	138 903	128 060	8.5%	244 092	41.6%	
NON-RENEWABLES	21 155	-4.6%	21.5%	52.7%	132 245	173 176	-23.6%	343 228	58.4%	
TOTAL NET PRODUCTION	40 140	-5.3%	5.0%		271 148	301 236	-10.0%	587 320		
+ Imports	4 586	-6.3%	-22.2%		25 730	17 961	43.3%	40 123		
- Exports	4 085	2.6%	-0.2%		33 616	38 041	-11.6%	72 792		
= ELECTRICITY SUPPLIED	40 642	-6.1%	1.5%		263 262	281 156	-6.4%	554 651		
- Used for pumped storage	608	-12.2%	-27.1%		4 658	4 190	11.2%	8 178		
- T&D Losses	1 801	0.4%	0.8%		13 483	13 518	-0.3%	26 548		
= ELECTRICITY CONSUMED	38 233	-6.3%	2.2%		245 121	263 448	-7.0%	519 925		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







² month-to-month change

GREECE

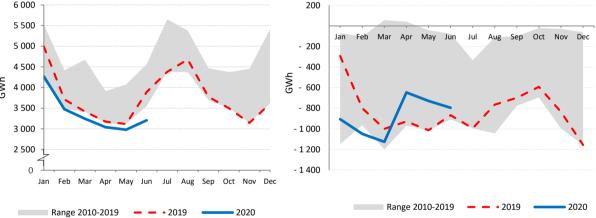
		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	1 848	-28.6%	9.0%	57.6%	12 202	14 978	-18.5%	30 286	66.7%	
Coal	194	-75.4%	-1.8%	6.1%	2 817	5 393	-47.8%	9 782	21.5%	
Oil	232	-40.0%	8.0%	7.2%	1 510	1 869	-19.2%	4 047	8.9%	
Natural Gas	1 284	1.2%	12.5%	40.0%	7 025	6 894	1.9%	14 759	32.5%	
Combustible Renewables ⁴	115	0.4%	-8.9%	3.6%	747	713	4.8%	1 429	3.1%	
Other Combustibles ⁴	23	-17.3%	41.4%	0.7%	104	110	-5.1%	267	0.6%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	369	-0.3%	30.6%	11.5%	1 603	2 005	-20.0%	3 892	8.6%	
Wind	535	2.3%	-4.1%	16.7%	4 277	3 445	24.1%	7 278	16.0%	
Solar	455	9.9%	2.5%	14.2%	2 143	1 893	13.2%	3 961	8.7%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	1 474	3.7%	4.5%	46.0%	8 769	8 055	8.9%	16 561	36.5%	
NON-RENEWABLES	1 733	-29.9%	10.4%	54.0%	11 456	14 266	-19.7%	28 856	63.5%	
TOTAL NET PRODUCTION	3 207	-17.7%	7.6%		20 225	22 321	-9.4%	45 417		
+ Imports	844	-5.8%	11.6%		5 425	5 548	-2.2%	11 067		
- Exports	48	73.4%	78.1%		174	648	-73.1%	1 123		
= ELECTRICITY SUPPLIED	4 002	-16.0%	7.9%		25 475	27 221	-6.4%	55 361		
- Used for pumped storage	3	-7.4%	-8.0%		70	26	165.2%	56		
- T&D Losses	234	-11.2%	6.0%		1 474	1 606	-8.2%	3 260		
= ELECTRICITY CONSUMED	3 765	-16.3%	8.0%		23 931	25 589	-6.5%	52 045		

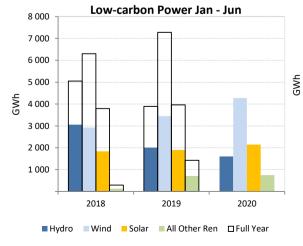
 $^{^{\}rm 1}$ current month to month of last year change

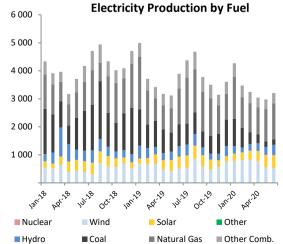
$^{\mathrm{4}}$ estimated from annual data



Net Electricity Exports







² month-to-month change

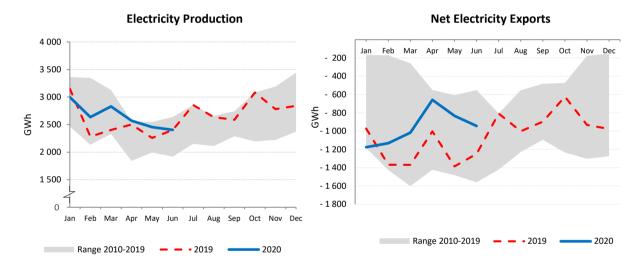
³ year-to-date compared to same period last year

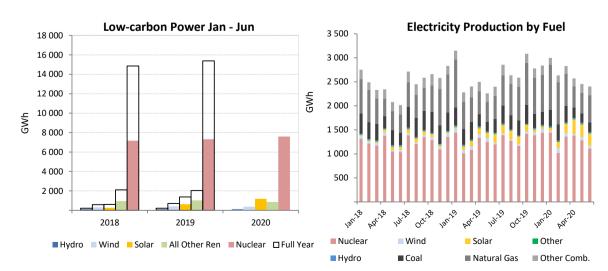
HUNGARY

		Jun 2020				ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	953	-0.9%	18.1%	39.6%	6 543	6 447	1.5%	13 947	43.9%	
Coal	203	-31.4%	1.6%	8.4%	1 656	1 839	-10.0%	3 813	12.0%	
Oil	5	-35.4%	21.2%	0.2%	23	32	-27.6%	62	0.2%	
Natural Gas	566	18.3%	32.7%	23.6%	3 912	3 445	13.6%	7 815	24.6%	
Combustible Renewables	166	1.4%	3.3%	6.9%	858	1 024	-16.2%	2 029	6.4%	
Other Combustibles	13	-21.5%	-18.6%	0.5%	94	107	-12.3%	228	0.7%	
Nuclear	1 112	-7.3%	-13.4%	46.3%	7 598	7 320	3.8%	15 386	48.4%	
Hydro	16	-8.9%	-28.0%	0.7%	113	115	-1.4%	213	0.7%	
Wind	59	85.5%	-15.2%	2.4%	376	413	-8.9%	708	2.2%	
Solar	251	42.8%	-3.1%	10.5%	1 187	626	89.8%	1 373	4.3%	
Geothermal	1	2.2%	-12.0%	0.0%	7	7	7.4%	14	0.0%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	11	-	-	0.5%	65	65	-	130	0.4%	
RENEWABLES	493	26.4%	-3.8%	20.5%	2 542	2 184	16.4%	4 337	13.7%	
NON-RENEWABLES	1 910	-4.9%	-1.6%	79.5%	13 348	12 809	4.2%	27 434	86.3%	
TOTAL NET PRODUCTION	2 403	0.2%	-2.1%		15 890	14 993	6.0%	31 771		
+ Imports	1 438	-5.3%	-6.8%		9 677	10 606	-8.8%	19 854		
- Exports	494	84.3%	-30.3%		3 915	3 260	20.1%	7 269		
= ELECTRICITY SUPPLIED	3 347	-8.3%	1.8%		21 652	22 339	-3.1%	44 356		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses	261	-3.0%	-3.1%		1 862	2 017	-7.7%	3 906		
= ELECTRICITY CONSUMED	3 086	-8.7%	2.2%		19 790	20 322	-2.6%	40 450		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





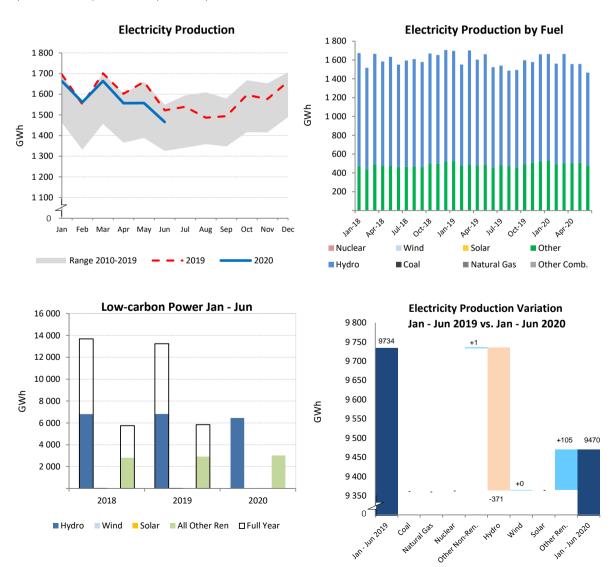
² month-to-month change

ICELAND

	Jun 2020				Ye	ear-to-Dat	е	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	0	5.0%	8.1%	0.0%	2	1	174.4%	3	0.0%	
Coal	-	-	-	=	-	=	-	-	-	
Oil	0	5.0%	8.1%	0.0%	2	1	174.4%	3	0.0%	
Natural Gas	-	-	-	-	-	-	-	-	-	
Combustible Renewables	-	-	-	-	-	-	-	-	-	
Other Combustibles	-	-	-	-	-	-	-	-	-	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	990	-7.3%	-5.5%	67.5%	6 447	6 818	-5.4%	13 236	69.3%	
Wind	0	-33.9%	-38.6%	0.0%	4	3	10.4%	7	0.0%	
Solar	-	-	-	-	-	-	-	-	-	
Geothermal	475	4.9%	-6.6%	32.4%	3 017	2 912	3.6%	5 843	30.6%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	1 466	-3.7%	-5.9%	100.0%	9 467	9 733	-2.7%	19 086	100.0%	
NON-RENEWABLES	0	5.0%	8.1%	0.0%	2	1	175.1%	3	0.0%	
TOTAL NET PRODUCTION	1 466	-3.7%	-5.9%		9 470	9 734	-2.7%	19 089		
+ Imports	-	-	-		-	-	-	-		
- Exports	-	-	-		-	-	-	-		
= ELECTRICITY SUPPLIED	1 466	-3.7%	-5.9%		9 470	9 734	-2.7%	19 089		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses	42	-6.2%	-5.3%		270	278	-2.7%	552		
= ELECTRICITY CONSUMED	1 424	-3.6%	-5.9%		9 200	9 456	-2.7%	18 537		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



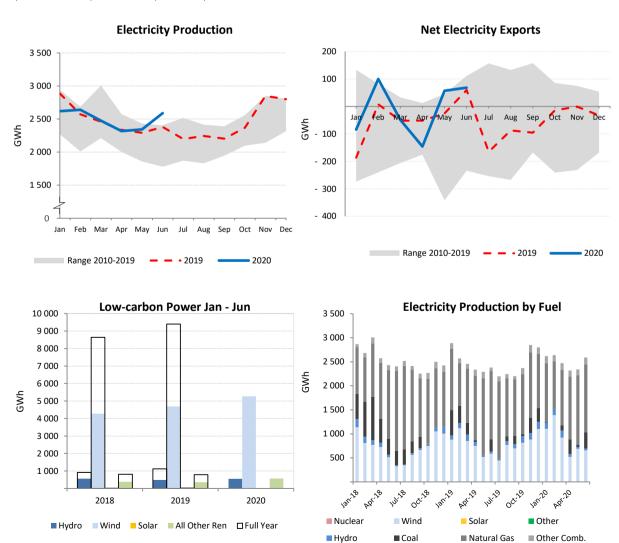
² month-to-month change

IRELAND

		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	1 894	8.5%	17.4%	73.1%	9 147	9 736	-6.0%	19 050	64.4%	
Coal	338	33.9%	735.5%	13.0%	811	1 434	-43.4%	2 350	7.9%	
Oil	52	221.3%	126.9%	2.0%	144	150	-3.6%	270	0.9%	
Natural Gas	1 416	-0.5%	-2.3%	54.7%	7 532	7 656	-1.6%	15 382	52.0%	
Combustible Renewables	80	148.8%	-14.1%	3.1%	567	357	59.1%	786	2.7%	
Other Combustibles	8	-60.9%	-6.7%	0.3%	92	140	-33.8%	262	0.9%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	39	-22.7%	-3.6%	1.5%	555	489	13.5%	1 120	3.8%	
Wind	654	12.4%	-4.6%	25.3%	5 272	4 691	12.4%	9 400	31.8%	
Solar	3	-	-11.9%	0.1%	12	12	-	21	0.1%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	776	16.3%	-5.7%	30.0%	6 406	5 548	15.5%	11 328	38.3%	
NON-RENEWABLES	1 814	5.9%	19.3%	70.0%	8 579	9 379	-8.5%	18 264	61.7%	
TOTAL NET PRODUCTION	2 590	8.8%	10.5%		14 985	14 928	0.4%	29 591		
+ Imports	108	0.8%	-8.0%		994	1 058	-6.0%	2 180		
- Exports	176	5.8%	1.1%		940	809	16.2%	1 535		
= ELECTRICITY SUPPLIED	2 521	8.7%	10.3%		15 039	15 176	-0.9%	30 236		
- Used for pumped storage	44	110.0%	-6.7%		281	213	31.4%	478		
- T&D Losses	190	8.5%	9.6%		1 123	1 123	0.0%	2 232		
= ELECTRICITY CONSUMED	2 288	7.7%	10.7%		13 636	13 839	-1.5%	27 525		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



² month-to-month change

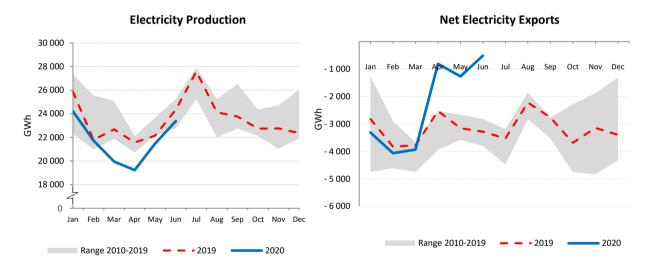
ITALY

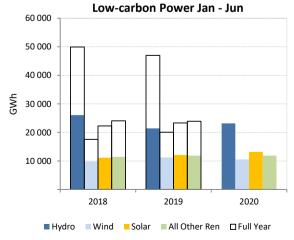
		Jun 2020				ear-to-Date	:	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	13 039	-7.2%	16.4%	55.8%	79 983	90 555	-11.7%	185 146	65.7%	
Coal ⁵	1 192	-8.4%	19.5%	5.1%	7 283	8 368	-13.0%	17 134	6.1%	
Oil ⁵	722	-8.4%	19.5%	3.1%	4 413	5 070	-13.0%	10 381	3.7%	
Natural Gas ⁵	9 533	-8.4%	19.5%	40.8%	58 233	66 903	-13.0%	136 990	48.6%	
Combustible Renewables	1 425	3.6%	-4.4%	6.1%	9 045	9 056	-0.1%	18 269	6.5%	
Other Combustibles ⁵	165	-8.4%	19.5%	0.7%	1 009	1 159	-13.0%	2 373	0.8%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	5 466	-8.0%	4.8%	23.4%	23 171	21 419	8.2%	46 955	16.7%	
Wind	1 577	58.9%	-10.1%	6.7%	10 527	11 223	-6.2%	20 054	7.1%	
Solar	2 810	-0.9%	1.3%	12.0%	13 168	12 059	9.2%	23 313	8.3%	
Geothermal	440	-5.6%	-7.7%	1.9%	2 831	2 832	0.0%	5 658	2.0%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	51	-	-	0.2%	306	306	-	612	0.2%	
RENEWABLES	11 718	0.9%	0.1%	50.1%	58 741	56 589	3.8%	114 249	40.6%	
NON-RENEWABLES	11 664	-8.4%	19.4%	49.9%	71 244	81 806	-12.9%	167 490	59.4%	
TOTAL NET PRODUCTION	23 382	-3.9%	8.9%		129 985	138 394	-6.1%	281 738		
+ Imports	1 565	-57.6%	-32.6%		18 791	21 998	-14.6%	43 980		
- Exports	1 049	156.1%	-0.4%		4 875	2 589	88.3%	5 817		
= ELECTRICITY SUPPLIED	23 898	-13.5%	5.1%		143 902	157 803	-8.8%	319 901		
- Used for pumped storage	136	-24.0%	-46.7%		1 353	1 261	7.3%	2 412		
- T&D Losses ⁴	1 423	-11.0%	4.8%		8 486	9 148	-7.2%	18 578		
= ELECTRICITY CONSUMED	22 339	-13.6%	5.7%		134 063	147 394	-9.0%	298 911		

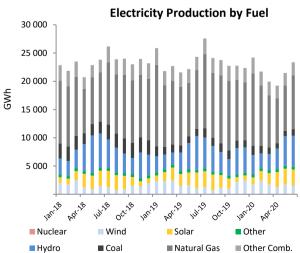
 $^{^{\}rm 1}\,{\rm current}$ month to month of last year change

 $^{^{\}rm 5}\,{\rm estimated}$ from annual data









² month-to-month change

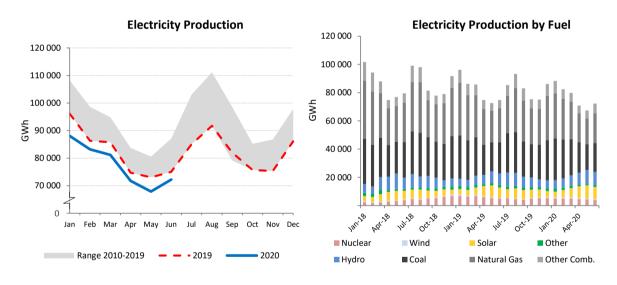
 $^{^{4}\,\}mathrm{estimated}$

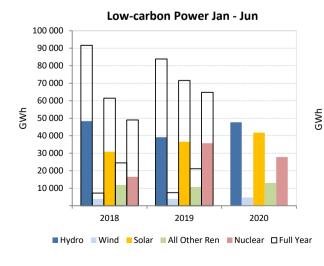
JAPAN

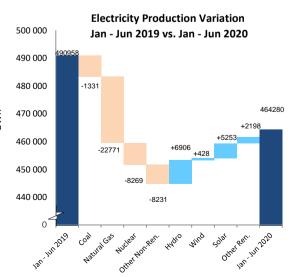
		Jun 2020				ear-to-Date	2	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	48 407	-7.6%	13.5%	67.0%	333 389	364 080	-8.4%	736 442	74.6%	
Coal	20 587	-8.0%	12.6%	28.5%	146 691	151 630	-2.9%	307 690	31.2%	
Oil	3 573	24.5%	45.0%	4.9%	18 410	22 497	-18.2%	49 739	5.0%	
Natural Gas	20 971	-13.0%	15.2%	29.0%	146 926	170 703	-13.9%	339 604	34.4%	
Combustible Renewables	1 985	62.0%	3.0%	2.7%	11 675	9 5 1 6	22.7%	18 703	1.9%	
Other Combustibles ⁴	1 290	-16.5%	2.6%	1.8%	9 688	9 733	-0.5%	20 706	2.1%	
Nuclear	4 016	-15.8%	-9.4%	5.6%	27 843	35 716	-22.0%	64 805	6.6%	
Hydro	9 451	14.8%	-4.8%	13.1%	47 689	39 140	21.8%	83 849	8.5%	
Wind	673	68.9%	5.0%	0.9%	4 730	3 993	18.5%	7 481	0.8%	
Solar	8 500	12.4%	-7.3%	11.8%	41 730	36 502	14.3%	71 534	7.2%	
Geothermal	198	0.7%	-8.0%	0.3%	1 299	1 190	9.1%	2 445	0.2%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	980	-32.6%	16.3%	1.4%	7 598	10 336	-26.5%	20 245	2.1%	
RENEWABLES	20 807	18.1%	-4.9%	28.8%	107 124	90 342	18.6%	184 012	18.6%	
NON-RENEWABLES	51 418	-10.4%	11.8%	71.2%	357 156	400 616	-10.8%	802 788	81.4%	
TOTAL NET PRODUCTION	72 225	-3.7%	6.4%		464 280	490 958	-5.4%	986 800		
+ Imports	-	-	-		-	-	-	-		
- Exports	-	-	-		-	-	-	-		
= ELECTRICITY SUPPLIED	72 225	-3.7%	6.4%		464 280	490 958	-5.4%	986 800		
- Used for pumped storage 4	1 075	46.3%	-0.2%		5 258	4 743	10.9%	10 554		
- T&D Losses ⁴	3 061	-3.7%	6.4%		20 042	21 195	-5.4%	42 209		
= ELECTRICITY CONSUMED	68 090	-4.3%	6.5%		438 979	465 019	-5.6%	934 037		

 $^{^{\}rm 1}\,{\rm current}$ month to month of last year change

June 2020 is estimated by the IEA Secretariat using usual monthly patterns







² month-to-month change

³ year-to-date compared to same period last year

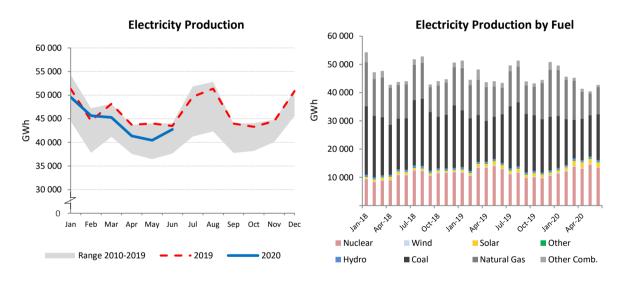
 $^{^{4}\,\}mathrm{estimated}$ from annual data

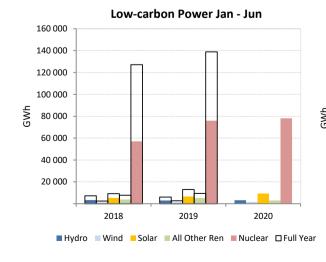
KOREA

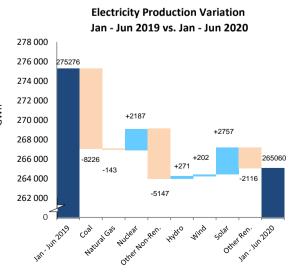
		Jun 2	2020		Υ	ear-to-Date	:	2019	
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	26 674	-6.2%	15.4%	62.4%	171 246	186 924	-8.4%	395 505	70.8%
Coal	16 324	-6.1%	11.2%	38.2%	94 256	102 483	-8.0%	225 750	40.4%
Oil	330	-57.4%	21.8%	0.8%	2 950	8 072	-63.4%	14 101	2.5%
Natural Gas	9 639	2.3%	24.9%	22.6%	70 941	71 084	-0.2%	145 812	26.1%
Combustible Renewables	320	-60.4%	-16.8%	0.7%	2 711	4 873	-44.4%	8 968	1.6%
Other Combustibles	60	-4.1%	15.4%	0.1%	387	413	-6.3%	874	0.2%
Nuclear	13 397	3.6%	-7.8%	31.3%	78 146	75 959	2.9%	138 884	24.8%
Hydro	502	7.2%	-9.2%	1.2%	3 245	2 975	9.1%	6 139	1.1%
Wind	156	52.8%	-28.1%	0.4%	1 591	1 389	14.6%	2 665	0.5%
Solar	1 763	38.5%	-1.6%	4.1%	9 375	6 618	41.7%	12 974	2.3%
Geothermal	-	-	-	-	-	-	-	-	-
Other Renewables	52	50.3%	-4.0%	0.1%	279	234	19.3%	474	0.1%
Non-Specified	196	-	-	0.5%	1 178	1 178	-	2 355	0.4%
RENEWABLES	2 793	4.0%	-6.9%	6.5%	17 202	16 088	6.9%	31 220	5.6%
NON-RENEWABLES	39 947	-2.0%	6.7%	93.5%	247 858	259 188	-4.4%	527 776	94.4%
TOTAL NET PRODUCTION	42 740	-1.7%	5.7%		265 060	275 276	-3.7%	558 996	
+ Imports	-	-	-		-	-	-	-	
- Exports	-	-	-		-	-	-	-	
= ELECTRICITY SUPPLIED	42 740	-1.7%	5.7%		265 060	275 276	-3.7%	558 996	
- Used for pumped storage ⁴	297	1.1%	-21.5%		2 299	2 240	2.6%	4 588	
- T&D Losses ⁴	1 431	-1.7%	5.7%		8 872	9 214	-3.7%	18 711	
= ELECTRICITY CONSUMED	41 013	-1.7%	5.9%		253 889	263 822	-3.8%	535 698	

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated

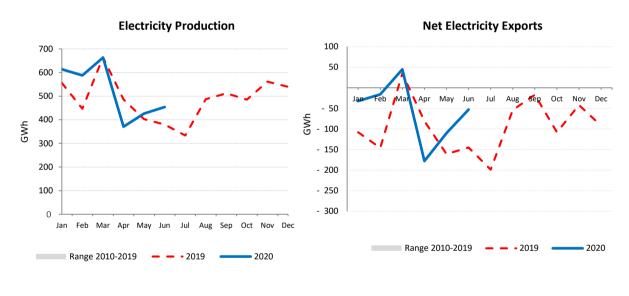
² month-to-month change

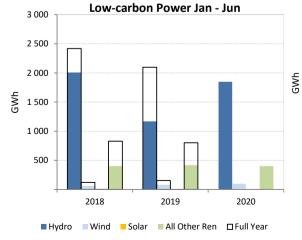
LATVIA

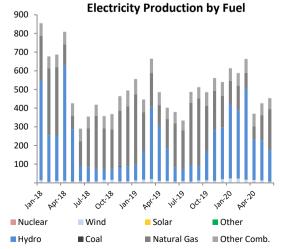
		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	279	-5.8%	41.2%	61.5%	1 170	1 686	-30.6%	3 601	61.5%	
Coal	0	-	-	0.0%	0	0	-	0	0.0%	
Oil	-	-	-	-	-	-	-	-	-	
Natural Gas	221	-6.5%	66.7%	48.7%	769	1 270	-39.5%	2 801	47.8%	
Combustible Renewables	58	-3.2%	-10.4%	12.9%	401	417	-3.7%	800	13.7%	
Other Combustibles	-	-	-	-	-	-	-	-	=	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	168	121.1%	-21.9%	37.0%	1 846	1 168	58.1%	2 097	35.8%	
Wind	6	-14.3%	-53.8%	1.3%	98	79	24.0%	153	2.6%	
Solar	0	-	-5.6%	0.1%	2	2	-	3	0.1%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	233	61.9%	-20.7%	51.3%	2 347	1 665	40.9%	3 053	52.2%	
NON-RENEWABLES	221	-6.5%	66.7%	48.7%	769	1 270	-39.5%	2 801	47.8%	
TOTAL NET PRODUCTION	454	19.4%	6.4%		3 116	2 935	6.2%	5 854		
+ Imports	313	-38.6%	-6.6%		1 894	2 518	-24.8%	4 611		
- Exports	260	-28.8%	15.6%		1 550	1 912	-18.9%	3 493		
= ELECTRICITY SUPPLIED	507	-3.5%	-5.5%		3 460	3 541	-2.3%	6 972		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses ⁴	35	-13.8%	0.7%		232	252	-8.1%	484		
= ELECTRICITY CONSUMED	471	-2.6%	-5.9%		3 229	3 289	-1.8%	6 488		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated

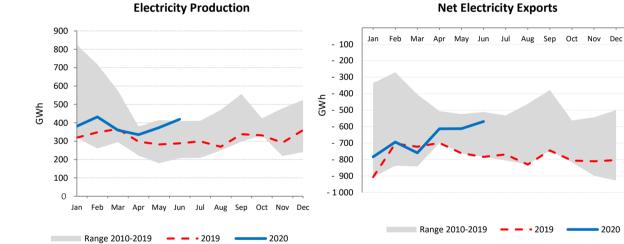
² month-to-month change

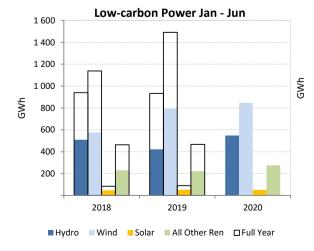
LITHUANIA

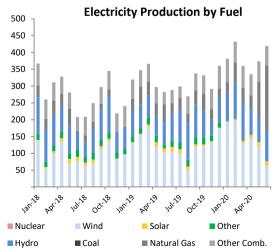
		Jun 2	2020		Yo	ear-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	255	262.4%	53.0%	60.9%	856	532	61.1%	1 060	28.0%	
Coal	-	-	=	=	-	-	-	-	-	
Oil	16	217.5%	23.8%	3.8%	61	22	176.2%	59	1.6%	
Natural Gas	198	515.5%	87.5%	47.2%	478	250	91.4%	459	12.1%	
Combustible Renewables	34	15.4%	-19.2%	8.0%	276	222	23.9%	467	12.3%	
Other Combustibles	8	91.8%	15.6%	1.9%	42	38	11.6%	75	2.0%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	88	11.6%	20.4%	21.0%	548	421	30.1%	932	24.6%	
Wind	63	-39.1%	-47.4%	15.1%	847	792	6.9%	1 491	39.4%	
Solar	13	-15.7%	-4.9%	3.0%	50	51	-2.6%	90	2.4%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	104	-	216	5.7%	
RENEWABLES	198	-12.9%	-20.4%	47.1%	1 720	1 487	15.7%	2 980	78.6%	
NON-RENEWABLES	222	263.5%	77.0%	52.9%	581	413	40.5%	809	21.4%	
TOTAL NET PRODUCTION	419	45.6%	12.2%		2 301	1 900	21.1%	3 789		
+ Imports	846	-27.7%	-12.0%		6 122	6 544	-6.4%	13 268		
- Exports	277	-28.5%	-20.7%		2 090	1 965	6.4%	3 924		
= ELECTRICITY SUPPLIED	988	-7.8%	0.3%		6 333	6 479	-2.3%	13 133		
- Used for pumped storage	88	8.2%	17.7%		492	267	84.2%	810		
- T&D Losses	50	-42.9%	-37.2%		613	570	7.5%	1 068		
= ELECTRICITY CONSUMED	850	-5.8%	2.3%		5 228	5 642	-7.3%	11 254		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







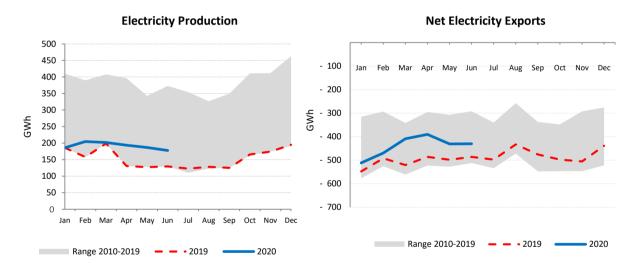
² month-to-month change

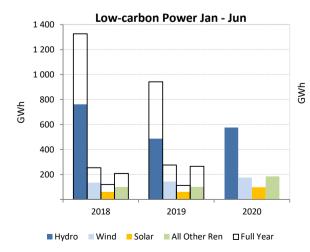
LUXEMBOURG

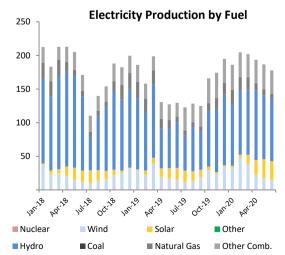
		Jun 2	2020		Ye	ear-to-Date	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	42	47.3%	-8.4%	23.5%	301	239	25.7%	510	27.7%	
Coal	-	=	=	=	-	-	-	-	-	
Oil	-	-	-	-	-	-	-	-	-	
Natural Gas	7	-11.5%	-17.9%	3.9%	85	102	-16.2%	170	9.2%	
Combustible Renewables	30	121.8%	-7.0%	17.1%	184	101	82.5%	266	14.4%	
Other Combustibles	5	-34.1%	-0.9%	2.5%	31	37	-14.4%	75	4.1%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	93	36.3%	-2.2%	52.4%	576	486	18.5%	942	51.2%	
Wind	15	-3.2%	-16.7%	8.4%	176	143	22.5%	276	15.0%	
Solar	28	60.8%	-0.1%	15.6%	98	61	60.3%	112	6.1%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	_	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	166	44.9%	-4.3%	93.5%	1 034	792	30.6%	1 597	86.7%	
NON-RENEWABLES	11	-22.0%	-11.9%	6.5%	116	138	-15.8%	244	13.3%	
TOTAL NET PRODUCTION	178	37.3%	-4.8%		1 151	930	23.7%	1 841		
+ Imports	512	-6.6%	-1.1%		3 155	3 556	-11.3%	6 818		
- Exports	82	30.8%	-6.3%		513	525	-2.2%	939		
= ELECTRICITY SUPPLIED	608	-1.2%	-1.5%		3 793	3 961	-4.2%	7 720		
- Used for pumped storage	123	35.2%	-2.4%		735	616	19.4%	1 203		
- T&D Losses	10	-6.9%	-0.4%		62	68	-8.6%	132		
= ELECTRICITY CONSUMED	475	-7.5%	-1.3%		2 995	3 277	-8.6%	6 385		

 $^{^{\}rm 1}$ current month to month of last year change

June 2020 is estimated by the IEA Secretariat







² month-to-month change

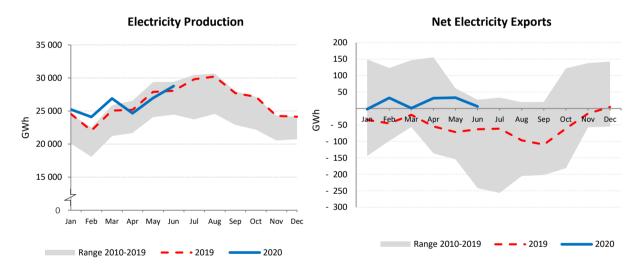
³ year-to-date compared to same period last year

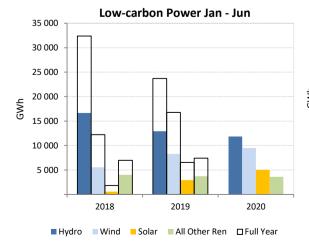
MEXICO

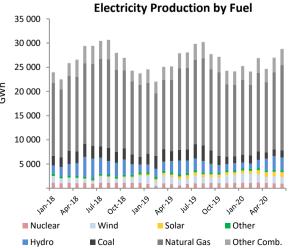
		Jun 2	2020		Ye	ar-to-Dat	e	2019	
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	22 429	0.5%	10.4%	77.9%	121 288	121 381	-0.1%	252 920	80.0%
Coal	1 496	-34.6%	5.6%	5.2%	9 304	14 214	-34.5%	28 131	8.9%
Oil ⁴	3 027	4.6%	10.8%	10.5%	16 192	15 496	4.5%	32 503	10.3%
Natural Gas ⁴	17 642	4.6%	10.8%	61.3%	94 374	90 314	4.5%	189 440	59.9%
Combustible Renewables ⁴	221	4.6%	10.8%	0.8%	1 181	1 130	4.5%	2 371	0.7%
Other Combustibles ⁴	44	4.6%	10.8%	0.2%	236	226	4.5%	474	0.2%
Nuclear	975	10.1%	-5.1%	3.4%	6 510	4 688	38.9%	11 111	3.5%
Hydro	2 639	0.9%	-7.7%	9.2%	11 859	12 914	-8.2%	23 713	7.5%
Wind	1 349	19.8%	-7.4%	4.7%	9 500	8 284	14.7%	16 763	5.3%
Solar	998	41.9%	10.3%	3.5%	5 044	2 943	71.4%	6 544	2.1%
Geothermal	385	-9.8%	-5.7%	1.3%	2 437	2 607	-6.5%	5 060	1.6%
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-	-	-
RENEWABLES	5 592	10.1%	-4.0%	19.4%	30 020	27 878	7.7%	54 450	17.2%
NON-RENEWABLES	23 184	0.9%	9.7%	80.6%	126 617	124 938	1.3%	261 660	82.8%
TOTAL NET PRODUCTION	28 776	2.5%	6.7%		156 637	152 817	2.5%	316 111	
+ Imports	55	-59.8%	0.8%		287	839	-65.8%	1 590	
- Exports	61	-17.0%	-30.3%		389	551	-29.5%	963	
= ELECTRICITY SUPPLIED	28 770	2.3%	6.8%		156 536	153 105	2.2%	316 738	
- Used for pumped storage	-	-	-		-	-	-	-	
- T&D Losses ⁴	3 997	2.2%	6.7%		21 755	21 302	2.1%	44 044	
= ELECTRICITY CONSUMED	24 773	2.3%	6.8%		134 781	131 803	2.3%	272 694	

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated based on annual data

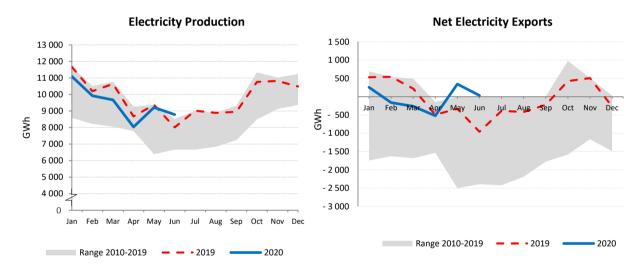
² month-to-month change

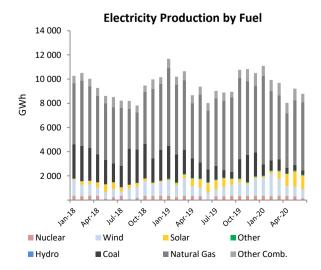
NETHERLANDS

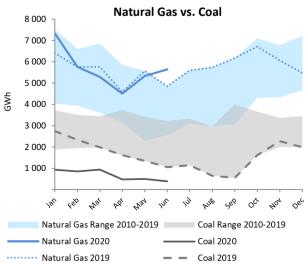
		Jun 2	2020		Ye	ar-to-Dat	e	20:	19
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	6 710	2.7%	-1.2%	76.3%	43 158	48 107	-10.3%	96 489	82.1%
Coal	384	-63.5%	-23.0%	4.4%	4 077	11 075	-63.2%	19 274	16.4%
Oil	74	-46.0%	9.5%	0.8%	662	726	-8.8%	1 353	1.2%
Natural Gas	5 642	16.5%	5.9%	64.2%	33 852	32 903	2.9%	68 634	58.4%
Combustible Renewables	492	31.9%	-29.9%	5.6%	3 639	2 427	50.0%	5 413	4.6%
Other Combustibles	117	-8.2%	-40.2%	1.3%	927	976	-5.0%	1 815	1.5%
Nuclear	158	396.0%	-49.8%	1.8%	1 889	1 697	11.3%	3 749	3.2%
Hydro	3	-54.8%	-21.7%	0.0%	32	50	-36.4%	74	0.1%
Wind	748	28.8%	-6.0%	8.5%	7 071	5 753	22.9%	11 508	9.8%
Solar	1 126	37.7%	-10.9%	12.8%	4 315	2 699	59.9%	5 159	4.4%
Geothermal	-	-	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	46	-	-	0.5%	274	274	-	547	0.5%
RENEWABLES	2 368	33.3%	-14.3%	26.9%	15 057	10 929	37.8%	22 155	18.9%
NON-RENEWABLES	6 422	2.9%	-0.5%	73.1%	41 681	47 651	-12.5%	95 371	81.1%
TOTAL NET PRODUCTION	8 790	9.7%	-4.6%		56 738	58 580	-3.1%	117 526	
+ Imports	1 353	-33.5%	-28.8%		10 726	10 475	2.4%	20 403	
- Exports	1 386	28.7%	-38.2%		10 411	9 982	4.3%	19 548	
= ELECTRICITY SUPPLIED	8 757	-2.4%	-1.3%		57 053	59 073	-3.4%	118 381	
- Used for pumped storage	-	-	-		-	-	-	-	
- T&D Losses ⁴	441	-1.1%	-2.1%		2 834	2 875	-1.4%	5 731	
= ELECTRICITY CONSUMED	8 317	-2.5%	-1.2%		54 219	56 198	-3.5%	112 650	

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated

² month-to-month change

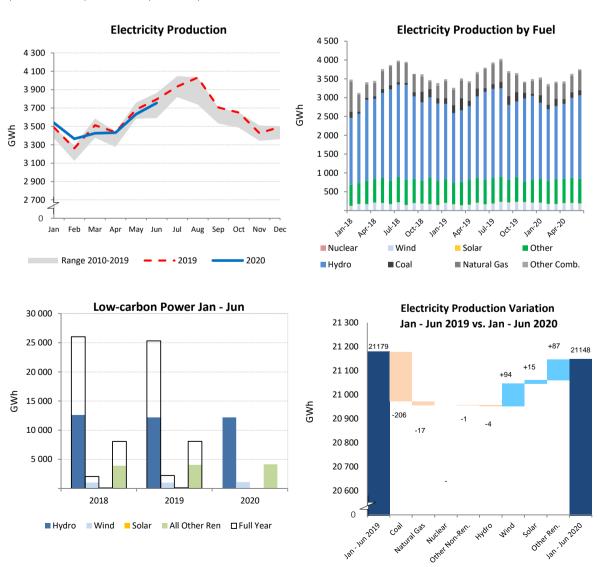
NEW ZEALAND

		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	689	8.0%	8.0%	18.3%	3 923	4 138	-5.2%	8 175	18.8%	
Coal	134	34.3%	-11.8%	3.6%	949	1 155	-17.8%	2 159	5.0%	
Oil	1	-6.7%	280.3%	0.0%	1	2	-47.7%	4	0.0%	
Natural Gas	515	1.0%	18.8%	13.7%	2 681	2 697	-0.6%	5 445	12.5%	
Combustible Renewables	39	44.4%	-24.8%	1.0%	293	284	3.2%	567	1.3%	
Other Combustibles	-	-	-	-	-	-	=	-	-	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	2 220	-4.7%	4.8%	59.1%	12 188	12 192	0.0%	25 330	58.3%	
Wind	179	12.9%	-6.1%	4.8%	1 088	994	9.4%	2 233	5.1%	
Solar	13	29.0%	1.2%	0.3%	73	58	26.5%	125	0.3%	
Geothermal	649	-0.6%	-3.0%	17.3%	3 850	3 772	2.1%	7 509	17.3%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	4	-	-	0.1%	25	25	-	51	0.1%	
RENEWABLES	3 101	-2.5%	1.9%	82.6%	17 492	17 300	1.1%	35 763	82.4%	
NON-RENEWABLES	654	6.4%	10.8%	17.4%	3 656	3 879	-5.8%	7 659	17.6%	
TOTAL NET PRODUCTION	3 754	-1.0%	3.3%		21 148	21 179	-0.1%	43 421		
+ Imports	-	-	-		-	-	-	-		
- Exports	-	-	-		-	-	=	-		
= ELECTRICITY SUPPLIED	3 754	-1.0%	3.3%		21 148	21 179	-0.1%	43 421		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses	259	-2.0%	3.3%		1 690	1 510	11.9%	2 995		
= ELECTRICITY CONSUMED	3 495	-1.0%	3.3%		19 457	19 669	-1.1%	40 426		

¹ current month to month of last year change

June 2020 is estimated by the IEA Secretariat using usual monthly patterns

³ year-to-date compared to same period last year



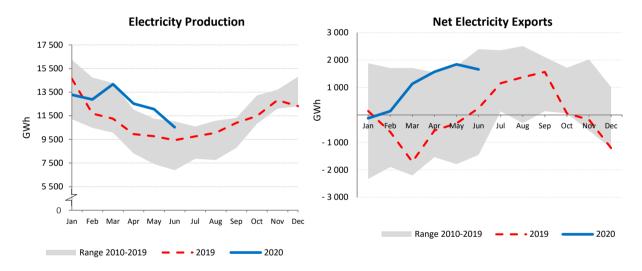
² month-to-month change

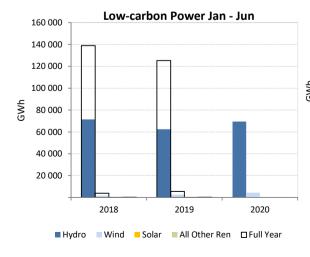
NORWAY

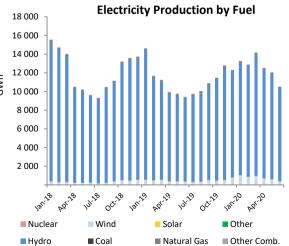
		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	175	-28.5%	-10.4%	1.7%	1 382	1 489	-7.2%	2 943	2.2%	
Coal ⁴	10	-24.4%	-9.3%	0.1%	77	83	-7.3%	162	0.1%	
Oil ⁴	1	-24.4%	-9.3%	0.0%	8	9	-7.3%	17	0.0%	
Natural Gas	127	-35.0%	-10.6%	1.2%	1 065	1 177	-9.5%	2 317	1.7%	
Combustible Renewables	21	17.2%	-14.2%	0.2%	129	116	11.7%	241	0.2%	
Other Combustibles	16	-5.4%	-3.9%	0.2%	103	105	-1.5%	205	0.2%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	9 952	13.0%	-11.4%	94.5%	69 425	62 431	11.2%	125 243	93.4%	
Wind	372	5.5%	-38.0%	3.5%	4 478	2 636	69.9%	5 535	4.1%	
Solar	2	-	-0.6%	0.0%	7	7	-	13	0.0%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	27	-	-	0.3%	164	164	-	328	0.2%	
RENEWABLES	10 347	12.7%	-12.8%	98.3%	74 040	65 191	13.6%	131 033	97.7%	
NON-RENEWABLES	181	-28.7%	-8.5%	1.7%	1 417	1 537	-7.8%	3 030	2.3%	
TOTAL NET PRODUCTION	10 528	11.6%	-12.7%		75 456	66 728	13.1%	134 062		
+ Imports	52	-94.6%	-80.4%		3 335	7 632	-56.3%	12 353		
- Exports	1 713	41.6%	-18.9%		9 570	4 817	98.7%	12 309		
= ELECTRICITY SUPPLIED	8 868	-3.5%	-13.2%		69 222	69 543	-0.5%	134 106		
- Used for pumped storage	476	-4.3%	729.3%		696	752	-7.4%	1 262		
- T&D Losses	678	11.6%	-12.7%		4 857	4 297	13.0%	8 631		
= ELECTRICITY CONSUMED	7 714	-4.6%	-17.8%		63 668	64 494	-1.3%	124 213		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated from annual data

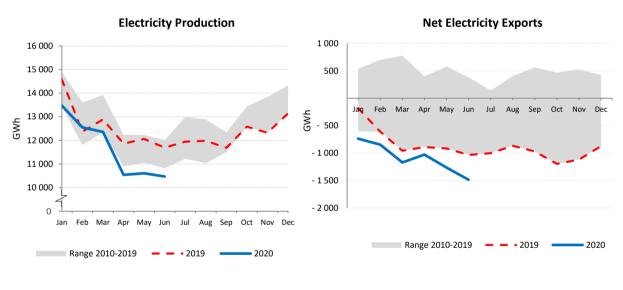
² month-to-month change

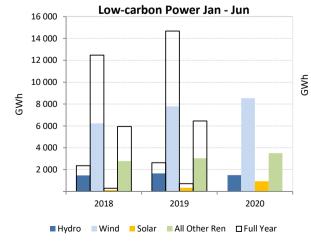
POLAND

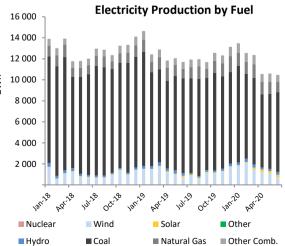
		Jun 2	2020		Ye	ar-to-Dat	e	2019	
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	9 224	-12.8%	1.6%	88.1%	59 000	65 639	-10.1%	131 012	87.9%
Coal	7 585	-16.1%	6.3%	72.4%	47 229	55 854	-14.2%	108 915	73.0%
Oil ⁴	-	-	-	-	-	-	=	1 617	1.1%
Natural Gas	973	6.2%	-16.0%	9.3%	7 006	6 523	7.4%	13 566	9.1%
Combustible Renewables	526	5.2%	-8.6%	5.0%	3 509	3 040	15.4%	6 453	4.3%
Other Combustibles	141	270.2%	-31.1%	1.3%	1 255	222	466.0%	461	0.3%
Nuclear	-	-	-	-	-	-	-	-	-
Hydro	282	16.0%	39.9%	2.7%	1 499	1 652	-9.2%	2 633	1.8%
Wind	733	-1.3%	-34.3%	7.0%	8 532	7 795	9.5%	14 677	9.8%
Solar	225	83.4%	9.3%	2.1%	930	331	180.8%	712	0.5%
Geothermal	-	-	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	7	-	-	0.1%	42	42	-	85	0.1%
RENEWABLES	1 765	9.8%	-15.9%	16.9%	14 471	12 818	12.9%	24 475	16.4%
NON-RENEWABLES	8 705	-13.7%	2.3%	83.1%	55 533	62 641	-11.3%	124 643	83.6%
TOTAL NET PRODUCTION	10 470	-10.5%	-1.3%		70 004	75 459	-7.2%	149 118	
+ Imports	1 812	21.8%	5.7%		10 542	8 350	26.3%	17 868	
- Exports	326	-28.2%	-27.6%		4 006	3 759	6.6%	7 245	
= ELECTRICITY SUPPLIED	11 957	-6.1%	0.7%		76 540	80 050	-4.4%	159 741	
- Used for pumped storage	68	-12.6%	-23.1%		583	515	13.0%	1 033	
- T&D Losses	973	30.6%	-7.9%		5 478	4 154	31.9%	9 463	
= ELECTRICITY CONSUMED	10 916	-8.3%	1.8%		70 479	75 381	-6.5%	149 246	

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ monthly figures are confidential

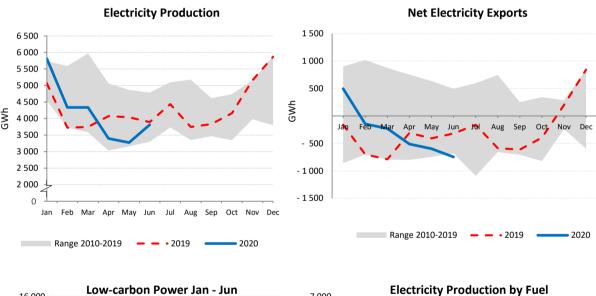
² month-to-month change

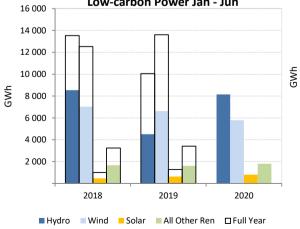
PORTUGAL

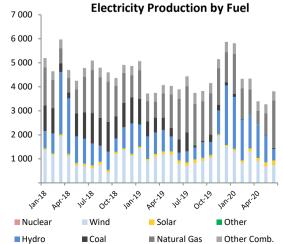
		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	2 397	-9.2%	82.6%	62.9%	10 135	12 687	-20.1%	26 621	51.4%	
Coal	48	-91.4%	165.9%	1.3%	214	3 756	-94.3%	5 378	10.4%	
Oil	95	2.3%	25.1%	2.5%	563	506	11.2%	1 163	2.2%	
Natural Gas	1 972	16.3%	112.6%	51.7%	7 509	6 773	10.9%	16 582	32.0%	
Combustible Renewables	261	-3.1%	-1.8%	6.8%	1 709	1 510	13.2%	3 222	6.2%	
Other Combustibles	21	-17.8%	-16.4%	0.6%	139	143	-2.8%	276	0.5%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	474	59.5%	-56.4%	12.4%	8 149	4 502	81.0%	10 054	19.4%	
Wind	734	-8.4%	6.7%	19.3%	5 785	6 619	-12.6%	13 605	26.3%	
Solar	196	39.5%	16.8%	5.1%	812	638	27.3%	1 274	2.5%	
Geothermal	11	-29.3%	-38.4%	0.3%	95	102	-6.1%	192	0.4%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	1 676	10.0%	-24.7%	44.0%	16 551	13 371	23.8%	28 346	54.8%	
NON-RENEWABLES	2 136	-9.9%	104.0%	56.0%	8 425	11 178	-24.6%	23 399	45.2%	
TOTAL NET PRODUCTION	3 812	-2.2%	16.4%		24 976	24 548	1.7%	51 745		
+ Imports	922	76.0%	5.1%		4 407	4 398	0.2%	8 099		
- Exports	175	-14.4%	-37.4%		2 670	1 709	56.2%	4 700		
= ELECTRICITY SUPPLIED	4 560	8.2%	17.8%		26 712	27 237	-1.9%	55 144		
- Used for pumped storage	134	37.1%	-10.3%		1 022	840	21.6%	1 827		
- T&D Losses	421	17.2%	18.2%		2 450	2 306	6.2%	4 668		
= ELECTRICITY CONSUMED	4 004	6.5%	19.0%		23 240	24 091	-3.5%	48 649		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







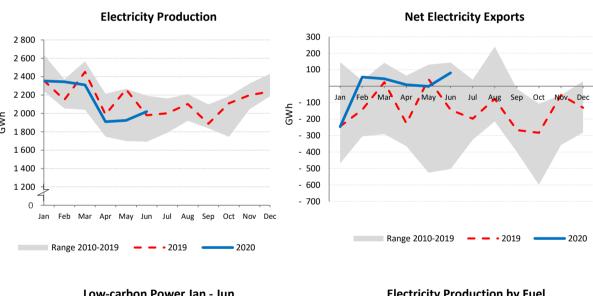
² month-to-month change

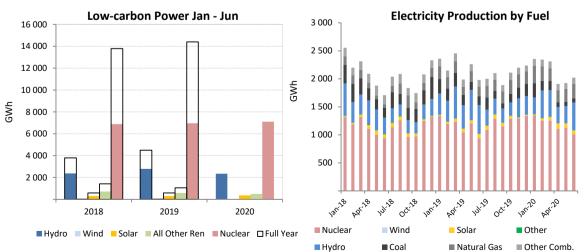
SLOVAK REPUBLIC

		Jun 2	2020		Υe	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	443	-1.7%	7.4%	21.9%	3 019	3 121	-3.3%	6 174	24.0%	
Coal	77	-51.3%	1.3%	3.8%	832	1 215	-31.5%	2 233	8.7%	
Oil	33	83.3%	26.9%	1.6%	188	165	13.4%	399	1.6%	
Natural Gas	254	44.4%	8.4%	12.6%	1 503	1 148	30.8%	2 478	9.6%	
Combustible Renewables	77	-20.3%	3.8%	3.8%	490	586	-16.3%	1 052	4.1%	
Other Combustibles	1	-2.6%	-2.6%	0.1%	6	6	4.4%	11	0.0%	
Nuclear	1 009	7.6%	-10.4%	50.0%	7 102	6 953	2.1%	14 407	56.0%	
Hydro	493	-3.2%	63.5%	24.4%	2 347	2 785	-15.7%	4 489	17.5%	
Wind	-	-	-	-	-	2	-	5	0.0%	
Solar	69	-10.4%	-12.7%	3.4%	365	301	21.3%	589	2.3%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	6	25.0%	25.0%	0.3%	28	27	4.5%	59	0.2%	
RENEWABLES	639	-6.4%	40.5%	31.6%	3 202	3 673	-12.8%	6 135	23.9%	
NON-RENEWABLES	1 381	6.5%	-6.0%	68.4%	9 659	9 515	1.5%	19 588	76.1%	
TOTAL NET PRODUCTION	2 020	2.0%	5.0%		12 861	13 188	-2.5%	25 723		
+ Imports	798	-11.1%	-16.4%		6 832	6 684	2.2%	13 538		
- Exports	879	16.6%	-7.8%		6 775	5 994	13.0%	11 838		
= ELECTRICITY SUPPLIED	1 939	-8.7%	0.7%		12 919	13 879	-6.9%	27 423		
- Used for pumped storage	31	19.2%	29.2%		177	149	18.8%	295		
- T&D Losses ⁴	104	-2.1%	-2.1%		725	731	-0.9%	1 445		
= ELECTRICITY CONSUMED	1 804	-9.4%	0.5%		12 017	12 998	-7.5%	25 683		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





⁴ estimated

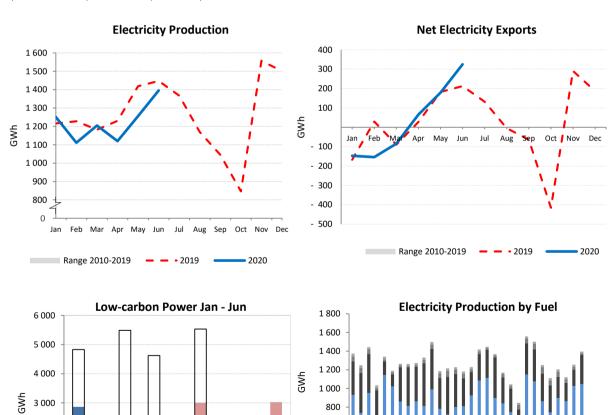
² month-to-month change

SLOVENIA

		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	350	4.5%	52.5%	25.1%	1 900	2 272	-16.4%	4 747	31.2%	
Coal	318	4.4%	80.1%	22.8%	1 512	1 904	-20.6%	4 028	26.5%	
Oil	0	-42.0%	-35.6%	0.0%	1	5	-72.3%	7	0.0%	
Natural Gas	17	-14.2%	-48.3%	1.2%	260	240	8.3%	482	3.2%	
Combustible Renewables	14	39.8%	-29.1%	1.0%	122	119	2.6%	221	1.5%	
Other Combustibles	1	61.0%	215.9%	0.1%	5	5	5.9%	9	0.1%	
Nuclear	496	0.5%	-3.4%	35.5%	3 025	3 007	0.6%	5 531	36.4%	
Hydro	514	-10.8%	8.0%	36.8%	2 237	2 287	-2.2%	4 622	30.4%	
Wind	0	-46.4%	-74.7%	0.0%	3	3	-1.4%	6	0.0%	
Solar	36	-17.2%	-1.8%	2.6%	174	153	13.8%	303	2.0%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	564	-10.4%	5.8%	40.4%	2 536	2 562	-1.0%	5 152	33.9%	
NON-RENEWABLES	832	1.6%	15.1%	59.6%	4 803	5 160	-6.9%	10 056	66.1%	
TOTAL NET PRODUCTION	1 396	-3.6%	11.1%		7 338	7 722	-5.0%	15 208		
+ Imports	434	-42.2%	-23.5%		3 925	4 822	-18.6%	9 021		
- Exports	758	-21.2%	1.8%		4 108	5 016	-18.1%	9 340		
= ELECTRICITY SUPPLIED	1 071	-13.3%	-0.6%		7 156	7 528	-5.0%	14 889		
- Used for pumped storage	21	-47.1%	-41.0%		200	85	135.4%	272		
- T&D Losses	43	-43.9%	-21.4%		469	536	-12.4%	987		
= ELECTRICITY CONSUMED	1 006	-10.0%	2.0%		6 486	6 908	-6.1%	13 630		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



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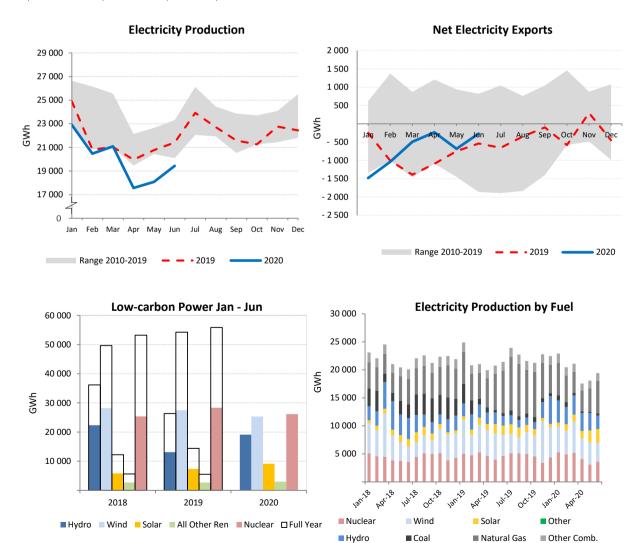
² month-to-month change

SPAIN

		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	7 573	-21.7%	30.8%	39.0%	39 761	52 555	-24.3%	112 593	42.7%	
Coal	387	-29.9%	48.9%	2.0%	3 287	9 095	-63.9%	13 562	5.1%	
Oil	780	-22.7%	0.8%	4.0%	5 111	5 967	-14.3%	12 056	4.6%	
Natural Gas	5 822	-23.3%	39.5%	30.0%	27 970	34 328	-18.5%	80 466	30.5%	
Combustible Renewables	517	16.2%	-0.2%	2.7%	2 972	2 662	11.6%	5 523	2.1%	
Other Combustibles	66	-12.7%	2.6%	0.3%	420	503	-16.6%	985	0.4%	
Nuclear	3 625	-22.1%	17.6%	18.7%	26 163	28 359	-7.7%	55 883	21.2%	
Hydro	2 413	43.5%	-22.2%	12.4%	19 121	13 078	46.2%	26 349	10.0%	
Wind	3 317	-9.6%	-15.6%	17.1%	25 296	27 482	-8.0%	54 235	20.6%	
Solar	2 492	44.3%	15.0%	12.8%	9 139	7 344	24.4%	14 399	5.5%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	9	-	-	0.0%	56	56	-	112	0.0%	
RENEWABLES	8 739	16.2%	-10.1%	45.0%	56 529	50 566	11.8%	100 507	38.1%	
NON-RENEWABLES	10 690	-23.0%	27.8%	55.0%	63 008	78 308	-19.5%	163 064	61.9%	
TOTAL NET PRODUCTION	19 429	-9.3%	7.5%		119 536	128 874	-7.2%	263 571		
+ Imports	1 324	18.4%	-24.2%		10 315	10 582	-2.5%	18 720		
- Exports	1 055	81.5%	-0.9%		6 118	5 556	10.1%	11 858		
= ELECTRICITY SUPPLIED	19 698	-10.3%	5.0%		123 733	133 900	-7.6%	270 433		
- Used for pumped storage	258	285.4%	-34.2%		2 655	1 439	84.5%	3 025		
- T&D Losses	1 818	-11.1%	5.6%		11 343	12 378	-8.4%	24 991		
= ELECTRICITY CONSUMED	17 622	-11.2%	5.8%		109 735	120 083	-8.6%	242 417		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



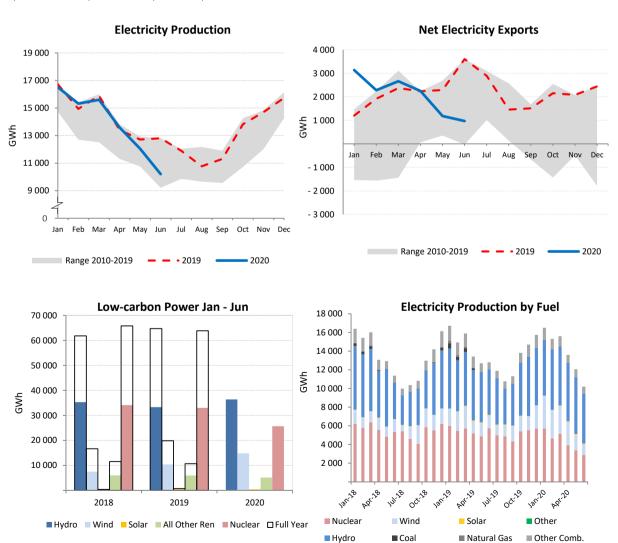
² month-to-month change

SWEDEN

		Jun 2020				ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	746	1.1%	-11.0%	7.3%	6 043	9 455	-36.1%	15 640	9.5%	
Coal	0	-	=	=-	7	1 558	-99.5%	1 579	1.0%	
Oil	19	167.5%	69.0%	0.2%	65	170	-61.9%	265	0.2%	
Natural Gas	0	-94.6%	-93.3%	0.0%	44	649	-93.3%	728	0.4%	
Combustible Renewables	603	4.7%	-13.7%	5.9%	5 133	5 908	-13.1%	10 640	6.5%	
Other Combustibles	124	-17.2%	0.2%	1.2%	795	1 169	-32.0%	2 427	1.5%	
Nuclear	2 870	-49.9%	-14.9%	28.1%	25 684	32 986	-22.1%	63 881	38.8%	
Hydro	5 347	9.2%	-12.1%	52.4%	36 352	33 305	9.2%	64 698	39.3%	
Wind	1 148	-15.1%	-31.0%	11.3%	14 821	10 363	43.0%	19 846	12.0%	
Solar ⁴	92	-	-2.3%	0.9%	377	377	-	663	0.4%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	7 191	4.0%	-15.8%	70.5%	56 684	49 953	13.5%	95 847	58.2%	
NON-RENEWABLES	3 012	-48.9%	-14.2%	29.5%	26 594	36 532	-27.2%	68 880	41.8%	
TOTAL NET PRODUCTION	10 204	-20.3%	-15.4%		83 278	86 485	-3.7%	164 728		
+ Imports	1 019	229.8%	30.3%		3 797	3 904	-2.7%	9 070		
- Exports	1 990	-49.2%	1.1%		16 293	17 522	-7.0%	35 231		
= ELECTRICITY SUPPLIED	9 232	0.3%	-15.1%		70 782	72 867	-2.9%	138 567		
- Used for pumped storage	-	-	-		13	32	-59.9%	32		
- T&D Losses	610	-3.5%	-18.6%		5 443	5 530	-1.6%	10 477		
= ELECTRICITY CONSUMED	8 622	0.7%	-14.8%		65 327	67 304	-2.9%	128 058		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year



⁴ estimated by the IEA secretariat

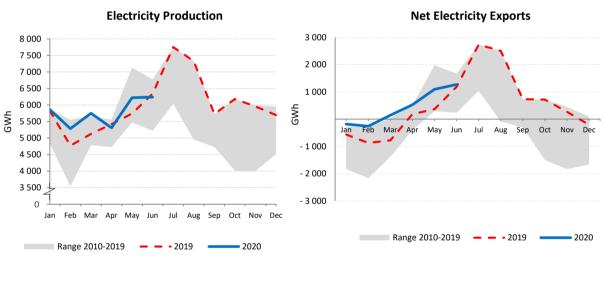
² month-to-month change

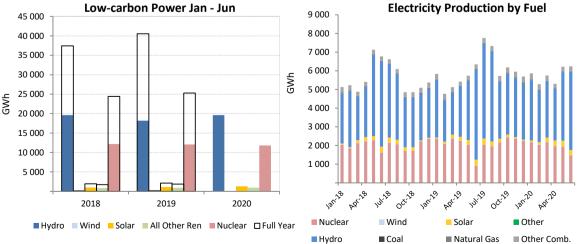
SWITZERLAND

		Jun 2	2020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	296	-0.6%	3.2%	4.7%	1 895	1 842	2.8%	3 791	5.3%	
Coal	-	-	-	-	-	-	-	-	-	
Oil	1	-33.3%	-	0.0%	6	12	-50.0%	24	0.0%	
Natural Gas	42	-14.7%	3.6%	0.7%	271	307	-11.7%	632	0.9%	
Combustible Renewables	147	0.6%	3.0%	2.4%	942	903	4.3%	1 859	2.6%	
Other Combustibles	106	5.3%	3.4%	1.7%	675	621	8.8%	1 277	1.8%	
Nuclear	1 477	60.7%	-24.0%	23.7%	11 814	12 052	-2.0%	25 280	35.2%	
Hydro	4 181	-13.1%	13.9%	67.0%	19 592	18 165	7.9%	40 556	56.4%	
Wind	8	14.3%	-20.0%	0.1%	80	73	9.5%	146	0.2%	
Solar	278	-10.9%	-10.1%	4.5%	1 291	1 107	16.7%	2 111	2.9%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	4 614	-12.5%	11.6%	73.9%	21 906	20 248	8.2%	44 672	62.1%	
NON-RENEWABLES	1 626	51.9%	-22.1%	26.1%	12 766	12 991	-1.7%	27 212	37.9%	
TOTAL NET PRODUCTION	6 240	-1.7%	0.3%		34 672	33 240	4.3%	71 884		
+ Imports	1 255	-27.2%	-21.8%		13 686	16 290	-16.0%	29 505		
- Exports	2 525	-13.3%	-6.5%		16 277	15 807	3.0%	35 765		
= ELECTRICITY SUPPLIED	4 970	-3.6%	-3.1%		32 081	33 723	-4.9%	65 624		
- Used for pumped storage	487	-19.0%	-18.8%		2 254	2 052	9.8%	4 133		
- T&D Losses	357	-0.7%	-6.9%		2 466	2 625	-6.1%	5 153		
= ELECTRICITY CONSUMED	4 126	-1.7%	-0.4%		27 361	29 046	-5.8%	56 338		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





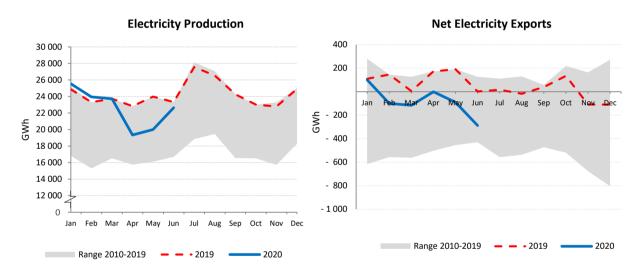
² month-to-month change

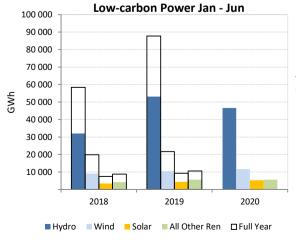
TURKEY

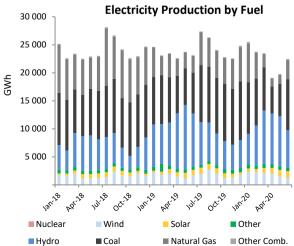
		Jun 2	.020		Ye	ar-to-Dat	e	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	12 906	22.1%	66.5%	57.0%	67 510	69 500	-2.9%	164 146	56.4%	
Coal	9 098	24.7%	57.2%	40.2%	45 069	45 878	-1.8%	106 744	36.7%	
Oil	45	13.7%	-3.0%	0.2%	287	435	-34.0%	692	0.2%	
Natural Gas	3 446	15.6%	116.8%	15.2%	20 252	21 705	-6.7%	53 615	18.4%	
Combustible Renewables	314	23.4%	-3.7%	1.4%	1 884	1 469	28.3%	3 069	1.1%	
Other Combustibles	3	24.4%	7.0%	0.0%	18	14	26.6%	26	0.0%	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	6 652	-30.0%	-25.4%	29.4%	46 552	53 142	-12.4%	87 697	30.1%	
Wind	1 280	-25.9%	-17.1%	5.7%	11 680	10 479	11.5%	21 630	7.4%	
Solar	1 174	21.3%	2.1%	5.2%	5 283	4 348	21.5%	9 286	3.2%	
Geothermal	567	16.4%	2.3%	2.5%	3 746	4 106	-8.8%	7 475	2.6%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	71	-5.3%	-20.7%	0.3%	459	493	-6.9%	929	0.3%	
RENEWABLES	9 987	-22.8%	-20.0%	44.1%	69 144	73 544	-6.0%	129 157	44.4%	
NON-RENEWABLES	12 663	21.8%	68.5%	55.9%	66 085	68 524	-3.6%	162 007	55.6%	
TOTAL NET PRODUCTION	22 650	-2.9%	13.2%		135 229	142 068	-4.8%	291 164		
+ Imports	344	122.1%	63.1%		1 436	989	45.2%	2 212		
- Exports	56	-63.9%	-53.4%		943	1 614	-41.6%	2 789		
= ELECTRICITY SUPPLIED	22 938	-1.7%	14.1%		135 723	141 443	-4.0%	290 587		
- Used for pumped storage	-	-	-		-	-	-	-		
- T&D Losses ⁴	2 778	-2.1%	13.7%		16 509	17 281	-4.5%	35 439		
= ELECTRICITY CONSUMED	20 160	-1.6%	14.2%		119 214	124 162	-4.0%	255 148		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year







⁴ estimated

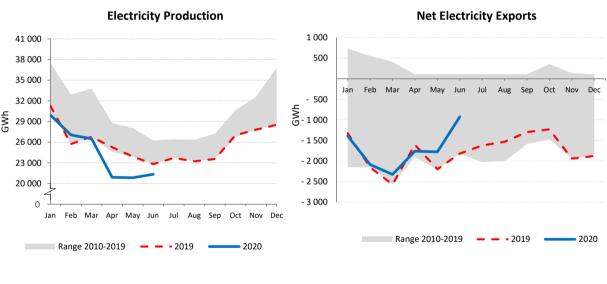
² month-to-month change

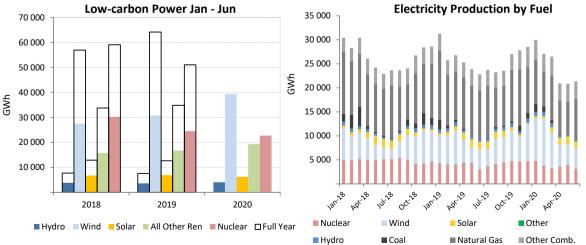
UNITED KINGDOM

		Jun 2	2020		Υ	ear-to-Date		2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	12 065	-11.2%	15.1%	56.5%	74 240	90 157	-17.7%	174 277	56.3%	
Coal	146	38.9%	91.3%	0.7%	3 885	3 727	4.2%	7 326	2.4%	
Oil	22	-68.6%	9.8%	0.1%	266	496	-46.3%	991	0.3%	
Natural Gas	8 282	-18.6%	24.5%	38.8%	47 995	66 786	-28.1%	126 155	40.7%	
Combustible Renewables	3 158	11.7%	-3.1%	14.8%	19 286	16 720	15.3%	34 813	11.2%	
Other Combustibles	457	11.4%	-3.6%	2.1%	2 809	2 428	15.7%	4 992	1.6%	
Nuclear	3 162	3.7%	-20.3%	14.8%	22 687	24 499	-7.4%	51 032	16.5%	
Hydro	445	-7.3%	-1.3%	2.1%	4 063	3 556	14.2%	7 576	2.4%	
Wind	4 418	6.2%	3.5%	20.7%	39 399	30 747	28.1%	64 134	20.7%	
Solar	1 260	-18.8%	-24.5%	5.9%	6 224	6 867	-9.4%	12 677	4.1%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	1	-	-	0.0%	6	6	-	13	0.0%	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	9 283	2.9%	-3.8%	43.5%	68 978	57 897	19.1%	119 213	38.5%	
NON-RENEWABLES	12 069	-12.6%	7.9%	56.5%	77 642	97 936	-20.7%	190 496	61.5%	
TOTAL NET PRODUCTION	21 352	-6.5%	2.5%		146 619	155 833	-5.9%	309 709		
+ Imports	1 423	-28.3%	-30.9%		12 254	12 906	-5.0%	24 556		
- Exports	498	202.3%	74.7%		1 991	1 232	61.6%	3 385		
= ELECTRICITY SUPPLIED	22 278	-9.6%	-1.5%		156 882	167 507	-6.3%	330 880		
- Used for pumped storage	116	-36.4%	3.4%		923	1 232	-25.1%	2 360		
- T&D Losses	2 174	13.1%	7.6%		14 323	13 638	5.0%	26 070		
= ELECTRICITY CONSUMED	19 987	-11.3%	-2.4%		141 637	152 637	-7.2%	302 449		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





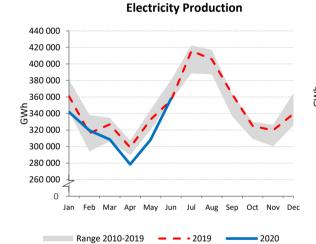
² month-to-month change

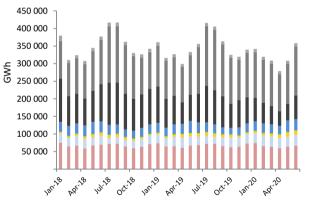
UNITED STATES

		Jun 2020				ear-to-Date		2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	215 835	-3.3%	26.9%	60.3%	1 118 566	1 216 835	-8.1%	2 641 607	63.5%	
Coal	67 496	-16.8%	39.5%	18.9%	337 129	485 292	-30.5%	997 975	24.0%	
Oil	3 655	30.6%	23.5%	1.0%	18 164	16 799	8.1%	33 903	0.8%	
Natural Gas	139 498	4.5%	23.2%	39.0%	730 297	680 675	7.3%	1 540 929	37.0%	
Combustible Renewables	4 391	-11.6%	-5.4%	1.2%	27 927	29 445	-5.2%	59 007	1.4%	
Other Combustibles	794	-0.5%	-7.6%	0.2%	5 048	4 624	9.2%	9 793	0.2%	
Nuclear	67 191	-2.3%	4.5%	18.8%	394 783	399 922	-1.3%	809 070	19.4%	
Hydro	30 927	9.2%	-1.5%	8.6%	160 637	164 183	-2.2%	294 530	7.1%	
Wind	29 956	28.8%	7.0%	8.4%	173 884	153 398	13.4%	300 089	7.2%	
Solar	12 493	15.1%	-2.8%	3.5%	57 732	47 594	21.3%	96 195	2.3%	
Geothermal	1 274	-4.4%	-5.5%	0.4%	7 616	7 953	-4.2%	15 492	0.4%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	345	-3.9%	-2.8%	0.1%	1 983	2 196	-9.7%	4 497	0.1%	
RENEWABLES	79 042	15.0%	1.0%	22.1%	427 797	402 573	6.3%	765 312	18.4%	
NON-RENEWABLES	278 980	-2.9%	21.2%	77.9%	1 487 404	1 589 508	-6.4%	3 396 166	81.6%	
TOTAL NET PRODUCTION	358 022	0.5%	16.1%		1 915 201	1 992 081	-3.9%	4 161 478		
+ Imports	5 745	5.4%	9.4%		29 541	29 652	-0.4%	59 052		
- Exports	2 384	51.7%	-5.6%		12 457	10 787	15.5%	20 008		
= ELECTRICITY SUPPLIED	361 383	0.4%	16.2%		1 932 285	2 010 946	-3.9%	4 200 523		
- Used for pumped storage	2 712	17.7%	22.9%		11 918	11 944	-0.2%	26 033		
- T&D Losses	24 265	5.0%	9.9%		102 570	112 548	-8.9%	224 697		
= ELECTRICITY CONSUMED	334 406	-0.1%	16.6%		1 817 797	1 886 454	-3.6%	3 949 792		

 $^{^{\}rm 1}$ current month to month of last year change

³ year-to-date compared to same period last year





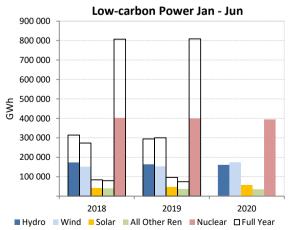
Solar

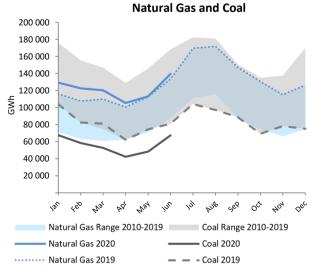
■ Natural Gas

Other

Other Comb.

Electricity Production by Fuel





■ Nuclear

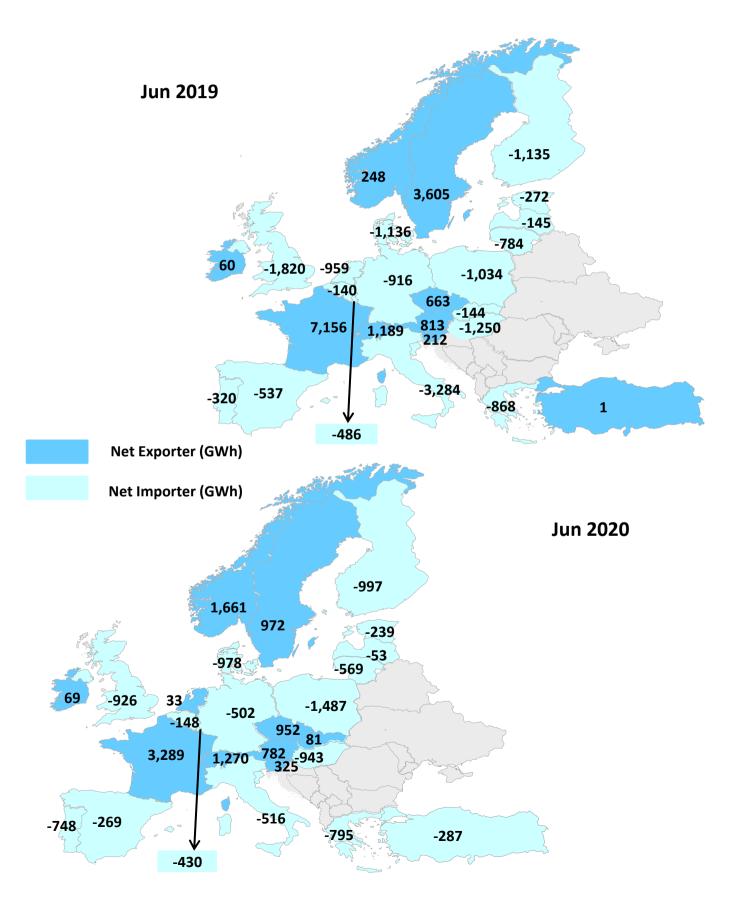
Hydro

Wind

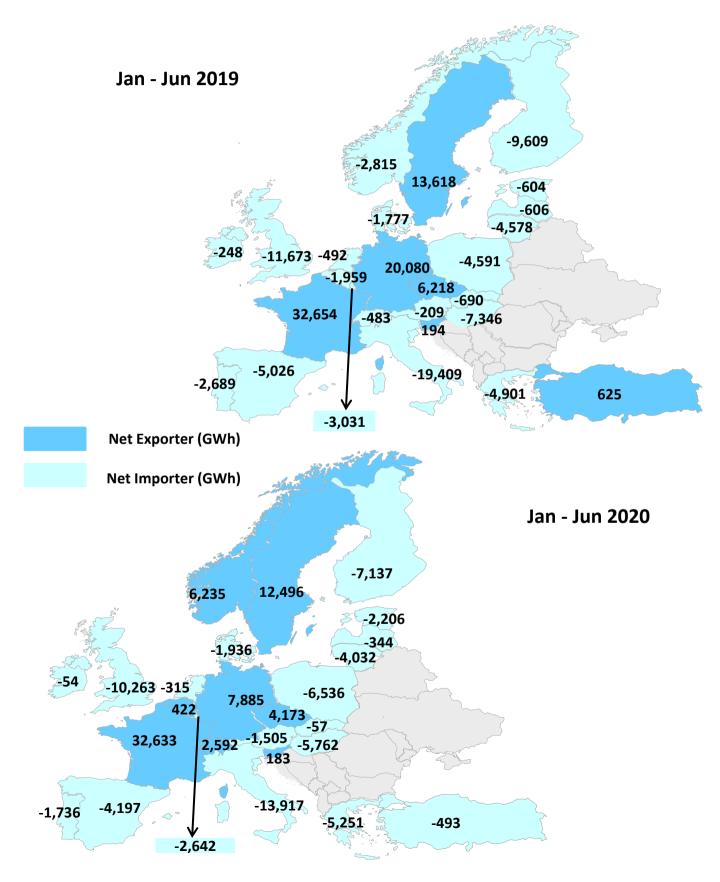
■ Coal

² month-to-month change

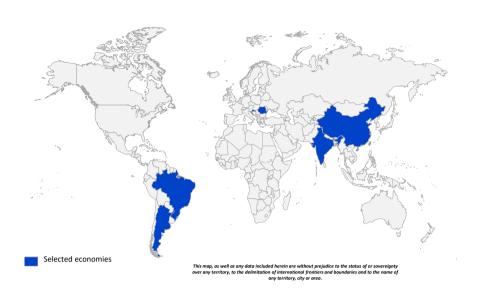
NET ELECTRICITY EXPORTS OECD EUROPE MAP 1



NET ELECTRICITY EXPORTS OECD EUROPE MAP 2







HIGHLIGHTS

- Hydro production in Argentina has been historically low during the first six months of 2020 as a result of a severe drought.
 Hydro production was 11.2 TWh during the first semester of 2020, 14.1% lower than during the same period last year.
 Production in June 2020 increased compared to May 2020 by 33.9%, up to 2.1 TWh after being at record low levels since
 September 2019. Wind production was 725.9 GWh in June 2020, 78.3% higher than in June 2019. During the first six
 months of 2020, wind production increased by 114.7% compared to the same period in 2019, to reach 4.1 TWh, highlighting the rapid development of the wind industry in Argentina.
- Chinese net electricity production was 631.2 TWh in June 2020, up by 7.0% compared to June 2019 and by 6.5% compared to May 2020. Since February 2020, during which lockdown measures were implemented, electricity production has increased significantly to reach the highest seasonal electricity output recorded. Solar production has increased during the first six months of 2020, to reach 126.8 TWh, up by 20.5 TWh compared to the same period in 2019.
- Net electricity production in India was also greatly impacted by the Covid 19 crisis in April 2020. Since then, production remains low, at 123.0 TWh for June 2020, 9.9% lower than in June 2019. Lower coal production is responsible for this, as coal production was 78.1 TWh in June 2020, 18.7% lower than in June 2019. In the first six months of 2020, coal production decreased to 490.7 TWh, down by 13.4% compared to the same period in 2019. Renewables on the other hand increased, by 10.8% compared to the first semester of 2019. Solar production was 31.4 TWh during the first semester of 2020, up by 31.8% compared to the first semester of 2019 and wind production was 30.0 TWh, up by 15.8% compared to the same period in 2019, highlighting a dynamic trend.

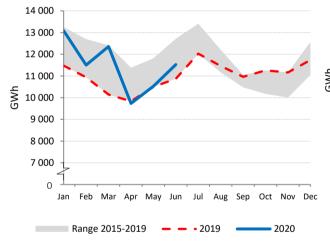
ARGENTINA

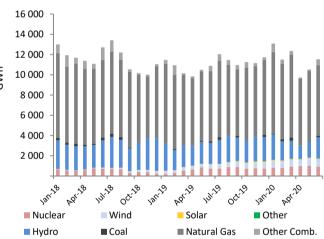
	Jun 2020			Ye	ear-to-Dat	е	2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	7 706	1.5%	7.9%	66.9%	47 504	45 303	4.9%	91 369	69.0%
Coal	161	7.9%	303.2%	1.4%	816	383	113.1%	1 187	0.9%
Oil	371	5.9%	2083.7%	3.2%	1 649	1 586	4.0%	3 282	2.5%
Natural Gas	6 983	0.8%	0.4%	60.6%	44 271	42 680	3.7%	85 282	64.4%
Combustible Renewables	191	17.7%	45.8%	1.7%	768	653	17.6%	1 618	1.2%
Other Combustibles	-	-	-	-	-	-	-	-	-
Nuclear	936	24.9%	-8.6%	8.1%	5 491	3 278	67.5%	8 002	6.0%
Hydro	2 100	0.8%	33.9%	18.2%	11 192	13 033	-14.1%	27 253	20.6%
Wind	726	78.3%	0.3%	6.3%	4 054	1 888	114.7%	4 960	3.7%
Solar	60	47.1%	-17.2%	0.5%	500	267	87.1%	795	0.6%
Geothermal	-	-	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-	-	-
RENEWABLES	3 077	14.2%	23.3%	26.7%	16 514	15 842	4.2%	34 625	26.2%
NON-RENEWABLES	8 451	3.3%	5.2%	73.3%	52 227	47 928	9.0%	97 754	73.8%
TOTAL NET PRODUCTION	11 528	6.0%	9.5%		68 742	63 770	7.8%	132 379	

 $^{^{\}rm 1}$ current month to month of last year change

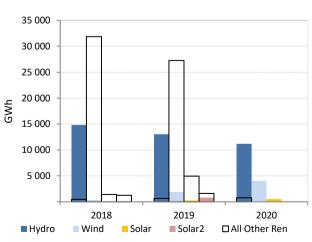
Electricity Production

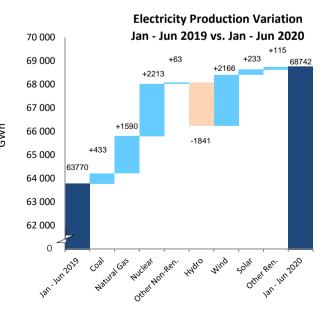
Electricity Production by Fuel





Low-carbon Power Jan - Jun





² month-to-month change

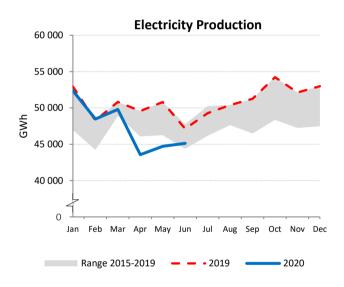
³ year-to-date compared to same period last year

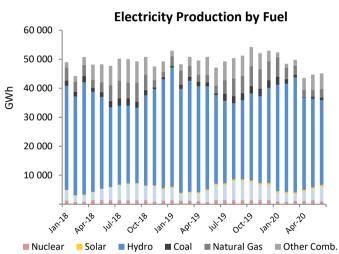
BRAZIL

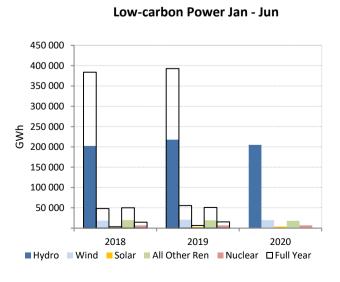
	Jun 2020				١	ear-to-Date		2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	9 242	-2.7%	9.7%	20.5%	48 798	51 137	-4.6%	139 682	22.9%	
Coal	985	46.1%	28.5%	2.2%	7 594	7 269	4.5%	22 606	3.7%	
Oil	113	-85.1%	-8.7%	0.3%	1 493	5 084	-70.6%	9 595	1.6%	
Natural Gas	2 904	13.1%	21.7%	6.4%	21 509	19 463	10.5%	56 727	9.3%	
Combustible Renewables	5 240	-4.8%	1.8%	11.6%	18 202	19 320	-5.8%	50 753	8.3%	
Other Combustibles	-	-	-	-	-	-	-	-	-	
Nuclear	971	-27.6%	-30.0%	2.2%	6 796	6 854	-0.8%	15 224	2.5%	
Hydro	29 301	-4.2%	-3.7%	64.9%	205 007	217 900	-5.9%	392 716	64.4%	
Wind	4 936	-5.1%	29.5%	10.9%	19 610	20 816	-5.8%	55 571	9.1%	
Solar	667	34.8%	0.5%	1.5%	3 808	2 842	34.0%	6 615	1.1%	
Geothermal	-	-	-	-	-	-	-	-	-	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	40 144	-3.9%	0.2%	89.0%	246 627	260 878	-5.5%	505 656	82.9%	
NON-RENEWABLES	4 973	-6.9%	6.6%	11.0%	37 392	38 670	-3.3%	104 153	17.1%	
TOTAL NET PRODUCTION	45 117	-4.3%	0.9%		284 019	299 549	-5.2%	609 808		

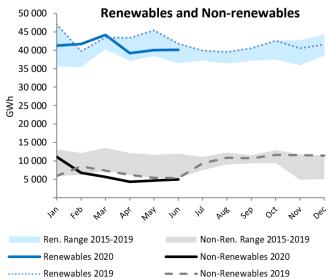
¹ current month to month of last year change

³ year-to-date compared to same period last year









² month-to-month change

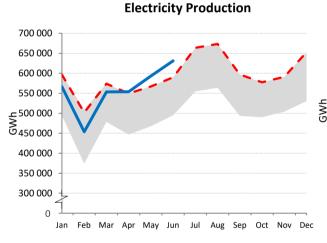
CHINA

		Jun 2020				ear-to-Date		2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	414 949	6.3%	2.2%	65.7%	2 322 224	2 346 242	-1.0%	4 929 609	69.1%	
Coal ⁴	389 762	7.8%	2.2%	61.7%	2 182 163	2 173 824	0.4%	4 567 347	64.0%	
Oil ⁴	867	7.2%	2.2%	0.1%	4 828	4 861	-0.7%	10 213	0.1%	
Natural Gas ⁴	16 255	-14.7%	2.2%	2.6%	90 077	114 476	-21.3%	240 522	3.4%	
Combustible Renewables 4	6 902	-10.3%	2.2%	1.1%	38 643	46 228	-16.4%	97 127	1.4%	
Other Combustibles ⁴	1 163	2.0%	2.2%	0.2%	6 512	6 853	-5.0%	14 399	0.2%	
Nuclear	30 328	14.0%	2.2%	4.8%	163 770	152 173	7.6%	331 265	4.6%	
Hydro	130 111	5.3%	41.9%	20.6%	511 571	560 383	-8.7%	1 254 465	17.6%	
Wind ⁵	34 164	13.5%	-18.7%	5.4%	227 389	214 006	6.3%	401 643	5.6%	
Solar ⁵	21 722	12.0%	-7.4%	3.4%	126 772	106 235	19.3%	217 377	3.0%	
Geothermal	10	-	-	0.0%	58	59	-1.1%	118	0.0%	
Other Renewables	1	-	-	0.0%	5	-	-	-	-	
Non-Specified	-	-	-	-	-	-	-	-	-	
RENEWABLES	192 909	6.7%	17.7%	30.6%	904 439	926 911	-2.4%	1 970 730	27.6%	
NON-RENEWABLES	438 375	7.1%	2.2%	69.4%	2 447 351	2 452 187	-0.2%	5 163 747	72.4%	
TOTAL NET PRODUCTION	631 284	7.0%	6.5%		3 351 790	3 379 098	-0.8%	7 134 477		

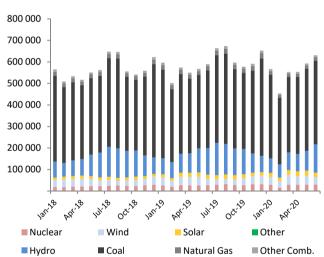
¹ current month to month of last year change

Range 2015-2019



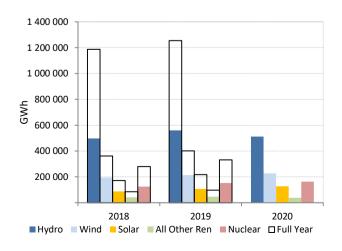


Electricity Production by Fuel

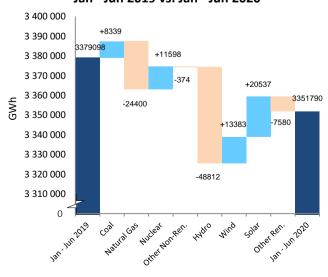


Low-carbon Power Jan - Jun

2019



Electricity Production Variation Jan - Jun 2019 vs. Jan - Jun 2020



² month-to-month change

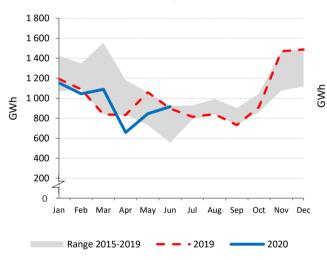
³ year-to-date compared to same period last year

CROATIA

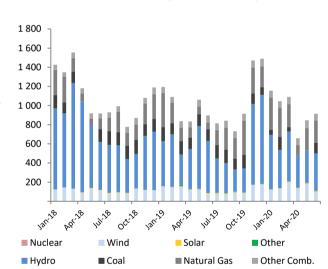
		Jun 2	2020		١	'ear-to-Date		2019		
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share	
CONVENTIONAL THERMAL	416	56.0%	31.7%	45.4%	2 238	2 135	4.8%	4 749	39.0%	
Coal	113	-8.9%	-	12.4%	351	774	-54.6%	1 507	12.4%	
Oil	0	-90.6%	-43.6%	0.0%	3	8	-55.1%	32	0.3%	
Natural Gas	232	235.2%	-1.6%	25.4%	1 447	966	49.8%	2 405	19.8%	
Combustible Renewables	70	1.5%	-11.5%	7.6%	437	387	12.9%	804	6.6%	
Other Combustibles	-	-	-	-	-	-	-	-	-	
Nuclear	-	-	-	-	-	-	-	-	-	
Hydro	389	-27.6%	15.5%	42.5%	2 541	2 946	-13.7%	5 859	48.1%	
Wind	96	24.2%	-46.2%	10.5%	855	764	12.0%	1 431	11.8%	
Solar	10	-16.9%	0.3%	1.1%	46	43	6.8%	83	0.7%	
Geothermal	5	13.8%	-5.1%	0.5%	28	25	13.9%	51	0.4%	
Other Renewables	-	-	-	-	-	-	-	-	-	
Non-Specified	-	-	-	-	-	=	-	-	-	
RENEWABLES	569	-18.5%	-6.6%	62.2%	3 907	4 164	-6.2%	8 229	67.6%	
NON-RENEWABLES	346	75.0%	46.2%	37.8%	1 801	1 748	3.1%	3 944	32.4%	
TOTAL NET PRODUCTION	915	2.1%	8.2%		5 709	5 912	-3.4%	12 173		

 $^{^{\}scriptsize 1}$ current month to month of last year change

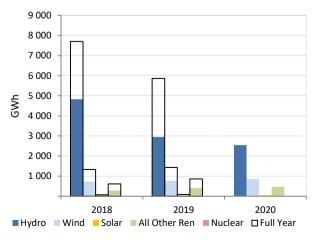
Electricity Production

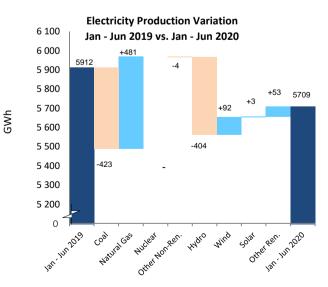


Electricity Production by Fuel



Low-carbon Power Jan - Jun





² month-to-month change

³ year-to-date compared to same period last year

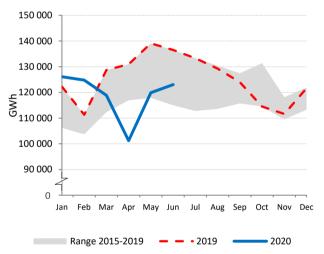
INDIA

	Jun 2020				Year-to-Date			2019	
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	87 651	-15.8%	-1.0%	71.2%	557 402	631 567	-11.7%	1 183 019	78.7%
Coal	78 061	-18.7%	0.6%	63.5%	490 672	566 790	-13.4%	1 066 480	70.9%
Oil ⁴	708	52.1%	-3.2%	0.6%	4 004	3 747	6.8%	6 900	0.5%
Natural Gas	7 048	17.4%	-2.8%	5.7%	36 720	33 126	10.8%	66 588	4.4%
Combustible Renewables	1 775	16.8%	-37.2%	1.4%	25 653	27 552	-6.9%	42 347	2.8%
Other Combustibles ⁴	59	-	-	0.0%	352	352	-	703	0.0%
Nuclear	3 564	-7.1%	-0.9%	2.9%	20 911	19 360	8.0%	42 599	2.8%
Hydro	18 522	18.8%	20.5%	15.1%	74 194	68 217	8.8%	167 836	11.2%
Wind	8 516	-6.5%	26.6%	6.9%	30 006	25 912	15.8%	63 537	4.2%
Solar	4 766	23.0%	-16.1%	3.9%	31 355	23 789	31.8%	46 226	3.1%
Geothermal	-	=	-	-	-	-	-	-	-
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	-	-	-	-
RENEWABLES	33 579	11.6%	9.7%	27.3%	161 208	145 470	10.8%	319 945	21.3%
NON-RENEWABLES	89 440	-15.9%	0.2%	72.7%	552 659	623 375	-11.3%	1 183 271	78.7%
TOTAL NET PRODUCTION	123 019	-9.9%	2.6%		713 867	768 844	-7.2%	1 503 216	

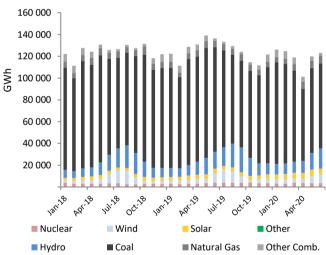
 $^{^{\}scriptsize 1}$ current month to month of last year change

Distributed generation is estimated by the IEA Secretariat

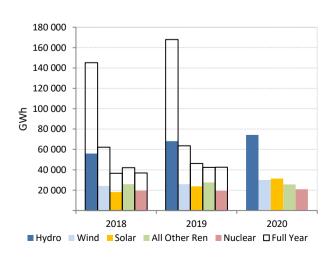




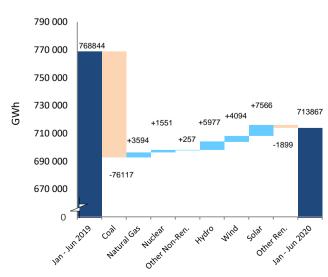
Electricity Production by Fuel



Low-carbon Power Jan - Jun



Electricity Production Variation Jan - Jun 2019 vs. Jan - Jun 2020



² month-to-month change

³ year-to-date compared to same period last year

⁴ estimated from annual data

ROMANIA

	Jun 2020				Year-to-Date			2019	
	GWh	change ¹	change ²	share	2020	2019	change ³	GWh	share
CONVENTIONAL THERMAL	977	-16.0%	39.5%	24.9%	7 940	10 443	-24.0%	21 307	38.2%
Coal	433	-52.0%	8.7%	11.0%	3 588	6 149	-41.6%	12 303	22.1%
Oil	37	66.7%	-	1.0%	194	351	-44.7%	508	0.9%
Natural Gas	482	117.3%	110.2%	12.3%	3 914	3 748	4.4%	8 089	14.5%
Combustible Renewables	25	60.0%	-30.4%	0.6%	243	195	24.6%	407	0.7%
Other Combustibles	-	-	-	-	-	-	-	-	-
Nuclear	754	-3.0%	-21.6%	19.2%	5 501	4 922	11.8%	10 354	18.6%
Hydro	1 723	-27.3%	63.3%	43.9%	7 304	9 519	-23.3%	15 619	28.0%
Wind	283	-24.9%	-57.0%	7.2%	3 843	3 642	5.5%	6 705	12.0%
Solar	186	-11.5%	-1.6%	4.7%	921	915	0.7%	1 777	3.2%
Geothermal	-	-	-	-	-	=	-	-	-
Other Renewables	-	-	-	-	-	-	-	-	-
Non-Specified	-	-	-	-	-	=	-	-	-
RENEWABLES	2 217	-25.5%	14.4%	56.5%	12 311	14 271	-13.7%	24 508	44.0%
NON-RENEWABLES	1 707	-11.3%	4.9%	43.5%	13 198	15 170	-13.0%	31 254	56.0%
TOTAL NET PRODUCTION	3 924	-19.9%	10.1%		25 509	29 441	-13.4%	55 763	

 $^{^{\}scriptsize 1}$ current month to month of last year change

Range 2015-2019

6 400

³ year-to-date compared to same period last year

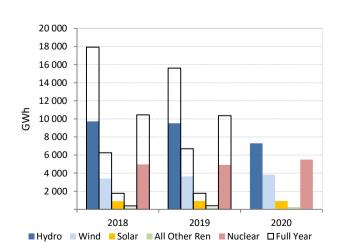


Electricity Production

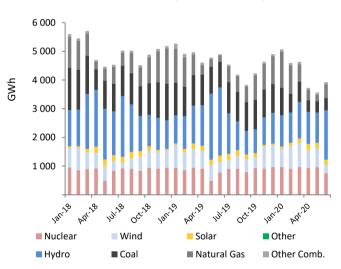
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Low-carbon Power Jan - Jun

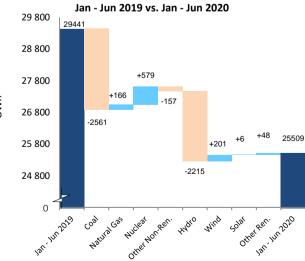
2019



Electricity Production by Fuel



Electricity Production Variation



² month-to-month change

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 recalcuations.
- Countries' submitted monthly data is adjusted proportionately to maintain consistency with the most recent annual data for each generation source.

Basic definitions

Net Production	Net generation excludes power station own use.
Combustible Fuels/ Conventional Thermal	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).
Coal	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).
Oil	Production from crude oil, natural gas liquids, refinery feedstocks, and petroleum products (such as refinery gases and fuel oil).
Natural Gas	Production from natural gas (including gas distributed via the grid that may contain very little amounts of blended other gases).
Combustible Renewables	Production from combustible renewables (such as solid biofuels, biogases, liquid biofuels, municipal renewable waste).
Other Combustible Fuels (non-renewables)	Production from all other combustible fuels (such as industrial and non-renewable municipal solid waste).

Nuclear Electricity produced using heat generated from nuclear fission.

Hydro Net generation from hydro facilities including pumped storage production.

Wind Electricity generated in on-shore and off-shore wind turbines using kinetic energy of wind.

Solar Electricity generated using solar radiation. Icludes thermal and photovoltaic.

Geothermal Electricity generated using heat emitted from within the earth's crust, usually in the form

of hot water or steam.

Other Renewables Electricity generated from tide, wave, ocean and other non-combustible sources.

Non-Specified Not elsewhere reported electricity generation.

Renewables Includes electricity generation from Hydro, Wind, Solar, Geothermal, Other Renewables

and Combustible Renewables

Non-Renewables Includes electricity generation from Coal, Oil, Natural Gas, Other Combustibles, Nuclear

and Non-specified sources.

Total Net Production The sum of indingenous net electricity production by energy source.

Imports/ Exports Amounts of electricity that have crossed political boundaries of the country, a.k.a.

physical flows, whether customs clearance has taken place or not.

Net Exports Exports minus imports

Electricity supplied Indigenous production + Imports - Exports. It includes Transmission and Distribution losses

Used for Pumped Storage Electricity consumed by pumping water into a reservoir in mixed and pure pumped

storage hydro plants.

Transmission and Distribution

Losses/T&D Losses

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.

Electricity available (calculated as: Indigenous production + Imports - Exports - used for

pumped storage - Transmission and distribution losses)

Low-carbon Power Generation Renewables plus Nuclear electricity generation.

Year Calendar year (January to December) unless otherwise stated.

Year-to-Date 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, the Czech Republic, Denmark, Estonia, Finland, France, Germany, 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, 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-oecd-electricity-statistics/
- Subscriptions to this publication are available at http://mailing.iea.org
- Data should not be reproduced for publication without permission of the IEA.
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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.

COUNTRY NOTES

Monthly Electricity Statistics is consistent with historical annual data

Please refer to Principles and Definitions.

For certain countries the most recent data may be estimated. See below for details

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AUSTRALIA

Excludes the overseas territories.

Monthly data are adjusted according to data submitted on a fiscal year basis beginning 1st of July and ending 31st of June.

Monthly reporting did not include production from other combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2009.

Monthly reporting did not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2004 until December 2015.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January until December 2004 until December 2015.

Annual data shown are the sum of months and may differ from publications referring to Australian fiscal year (July-June).

AUSTRIA

Monthly reporting does not include production from geothermal, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003.

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003

The last coal power plant in Austria closed in April 2020. From then on, coal production comes from autoproducer CHP plants and is mainly from coal products.

BELGIUM

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2005 until December 2005.

Monthly reporting did not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission from January 2005 to December 2013.

The last main activity coal power plant closed in March 2016. From then on, coal production in Belgium is mainly from manufactured gases.

CANADA

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until August 2011.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2007.

Monthly reporting did not include production from other non combustible fuels, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2007.

Continually increasing levels of wind and solar coverage since January 2017 until December 2018.

New methodology and higher coverage since April 2019 (starting with MES January 2019 publication). Reviewed data back to January 2016.

CHILI

Net production is estimated from monthly submission of gross production until December 2010.

Monthly reporting does not include trade data, therefore they are estimated by the IEA Secretariat based on annual submission.

Annual data for 2014 were estimated by the IEA Secretariat.

Chile was added to the MES report in February 2011. Historical data are available only from January 2006.

CZECH REPUBLIC

Monthly reporting did not include production from other non combustible fuels, therefore it was estimated by the IEA Secretariat based on annual submission from January 2004 until December 2008.

DENMARK

Excludes the Faroe Islands and Greenland.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2010.

Monthly reporting did not include production from other non combustible fuels, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2004.

2004.

ESTONIA

Net production is estimated from monthly submission of gross production by the IEA Secretariat.

Estonia was added to the MES report in April 2011. Historical data are available only from January 2006.

FINLAND

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2000.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission from January 2000.

FRANCE

Includes Monaco. Since January 2018 it includes the French overseas territories: French Polynesia, Guadeloupe, Guyane, Martinique, New Caledonia, Reunion, Saint Pierre and Miquelon.

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2000.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2000.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2004.

GERMANY

Combustible Fuels production is estimated from monthly submissions of production from main electricity producers.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2001.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2001.

Due to an increase in survey coverage since January 2017, the level of production and the growth rate shown may be different than actual.

GREECE

Monthly reporting did not include production from other combustible fuels, therefore it was estimated by the IEA Secretariat based on annual submission from January 2008 until December 2009.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2004 until December 2010.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2007.

HUNGARY

Net production was estimated from monthly submission of gross production through December 2015.

Monthly reporting does not include production from oil, therefore it is estimated by the IEA Secretariat based on annual submission since January 2009.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2008 until December 2010.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2005.

ICEL AND

Net production has been estimated from monthly submission of gross production through December 2015 by the IEA Secretariat.

IRELAND

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January until December 2001.

ITALY

Includes San Marino and the Vatican.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2005.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2005 until December 2009.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2005 until December 2009.

JAPAN

Monthly data are adjusted according to data submitted on a fiscal year basis beginning 1 st of April and ending 31 st of March.

Net production is estimated from monthly submission of gross production of main electricity producers.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2002.

Annual data shown are the sum of months and may differ from publications referring to Japanese fiscal year (April-March).

Since April 2017 electricity generation from biomass and was is reported in the coal category if it's co-fired with this fuel, and in combustible renewables if the combustion is mono-fuel.

Since April 2017 coal category included coal, bituminous mixture, natural gas (other than LNG), coke-oven gas and city gas.

Hydro generation includes plants with capacity of 1MW and over.

KOREA

Monthly reporting of electricity production does not include autoproducers, therefore it is estimated by the IEA Secretariat based on annual submission.

Monthly reporting does not include production from wind, therefore it is estimated by the IEA Secretariat based on annual submission since January 2004.

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2004.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2004.

LATVIA

Latvia was added to the MES report in January 2017. Historical data are available only from January 2010.

The strong hydro performance in 2017-2018 agrees with historical patterns and is due to environmental reasons, most notably the increased inflow in the Daugava River.

LITHUANIA

Monthly data available since January 2008.

LUXEMBOURG

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003

Production data for March 2018 are estimated by the IEA Secretariat.

The Twinerg CCGT plant has been idle since April 2016 and was decommissioned in October 2016. This has caused decreased production from combustible fuels and, consequently, a decrease in exports.

MEXICO

Monthly reporting of electricity production does not include autoproducers, therefore it is estimated by the IEA Secretariat based on annual submission.

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission from January 2003 - December 2013.

Monthly reporting does not include production from wind, therefore it is estimated by the IEA Secretariat based on annual submission from January 2003 - December 2013. Since December 2018 the data submission includes wind data so it is no longer estimated.

Installations under 500 kW are not included in the reporting data, therefore it is estimated by the IEA Secretariat based on annual submission.

Electricity trade data is estimated by Mexico administration. It may be inconsistent with US data flows. This data is currently under review.

In December 2018 a new data source was used by Mexico and some data are under review and improvement, therefore 2017 and 2018 data may be inconsistent with previous publications.

Monthly electricity production data does not include trade data and transmission and distribution losses which are is estimated by the IEA Secretariat.

NETHERI ANDS

Excludes Suriname and the territory of the Former Netherlands Antilles.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2000.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2000 until December 2009.

There was no nuclear production in May and June 2017 due to plant maintenance. The nuclear production resumed in July 2017.

NEW ZEALAND

Monthly submissions only include main electricity producers, which supposes a 95% coverage. The rest of the electricity generation is estimated by the IEA Secretariat based on the annual submissions.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2002

NORWAY

Net production is estimated from monthly submission of gross production through December 2015 by the IEA Secretariat.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003.

Natural gas figures for May and June 2018 are confidential.

POL AND

Monthly reporting does not include production from oil, therefore it is estimated by the IEA Secretariat based on annual submission since January 2009 until December 2016.

Oil floures are confidential since January 2017.

PORTUGAL

Includes the Açores and Madeira since January 2015.

Monthly reporting did not include production from geothermal, therefore it is estimated by the IEA Secretariat based on annual submission since January 2004 until December 2014.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2004 until December 2008.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2004 until December 2008.

SLOVAK REPUBLIC

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission since January 2010 until December 2016.

Monthly reporting does not include production from wind, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003.

Monthly reporting does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2003.

SLOVENIA

Slovenia was added to the MES report in April 2011. Historical data are available only from January 2009.

SPAIN

Includes the Canary Islands, Balear Islands, Ceuta and Melilla.

Monthly reporting did not include production from other non combustible fuels, therefore it was estimated by the IEA Secretariat based on annual submission since January 2004 until December 2015.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2004 until December 2008.

SWEDEN

Monthly reporting does not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission since January 2000.

The last coal-fired power plant in Sweden closed in April 2020.

SWITZERLAND

Excludes Liechtenstein.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2009.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2009.

In 2016 and 2017 a small nuclear power plant was out-of-order in the second half of the year, and restarted in March 2018. In addition, a big nuclear power plant had in the second half of 2016 and 2017 a longer revision period in contrast to the normal revision in 2018.

TURKEY

Monthly submission does not include production from other non combustible fuels, therefore it is estimated by the IEA Secretariat.

UNITED KINGDOM

Monthly reporting does not include production from other combustible fuels, therefore it is estimated by the IEA Secretariat based on annual submission since January 2001.

Monthly reporting did not include production from solar, therefore it is estimated by the IEA Secretariat based on annual submission from January 2001 until December 2009.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2001 until December 2006.

Monthly reporting did not include exports, therefore they were estimated by the IEA Secretariat based on annual submission from January 2001 until December 2002.

UNITED STATES

Includes the 50 States, the District of Columbia and Puerto Rico.

Monthly reporting did not include production from geothermal, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2005.

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2005.

Monthly reporting did not include production from wind, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2005.

Monthly reporting did not include production from other non combustible fuels, therefore it was estimated by the IEA Secretariat based on annual submission from January 2003 until December 2005.

Electricity trade data has been estimated by the U.S. administration since July 2017. It may be inconsistent with the trade data from Mexico. This data is currently under review.

Selected Association countries and other non-OECD Economies

Monthly Electricity Statistics is consistent with historical annual data

Monthly Electricity Statistics for this annex only cover production data, as trade data is not available for all considered countries

ARGENTINA

Monthly production data only include main electricity producers. The rest of the electricity generation is estimated by the IEA Secretariat based on the annual submissions.

Monthly reporting includes Paraguayan hydro production from the Yacyreta binational dam. The Paraguayan share is estimated by the IEA Secretariat then discounted from the total Argentinian butter production.

BR 47II

Monthly production data only include main electricity producers. The rest of the electricity generation is estimated by the IEA Secretariat based on the annual submissions.

Monthly reporting includes Paraguayan hydro production from the Itaipu binational dam. The Paraguayan share is estimated by the IEA Secretariat then discounted from the total Brazilian hydro production.

CHINA

Raw montly production data is collected from the National Bureau of Statistics in gross values. All the data in the MES Report is presented in net values, therefore Chinese net production data is calculated based on IEA Secretariat estimates. Raw production data for the months of January and February is reported combined. The IEA Secretariat have estimated production data for these two months based on annual data and the FGE China Gas Monthiv Report.

Monthly reporting did not include disaggregated production from combustible fuels, therefore it is estimated by the IEA Secretariat based on annual data.

Monthly reporting did not include production from geothermal, therefore it is estimated by the IEA Secretariat based on annual data

Monthly reporting did not include production from other renewables sources, therefore it is estimated by the IEA Secretariat based on annual data.

CROATIA

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2015 until December 2016.

From January 2016 onwards, solar production was included in the monthly reporting.

INDIA

Raw montly production data is collected from the Central Electricity Authority in gross values. All the data in the MES Report is presented in net values, therefore Indian net production data is calculated based on IEA Secretariat estimates.

Monthly data are adjusted according to data submitted on a fiscal year basis beginning 1st of April and ending 31st of March.

Monthly production data only include main electricity producers. The rest of the electricity generation is estimated by the IEA Secretariat based on the annual submissions.

Monthly reporting did not include production from other combustible fuels, therefore it is estimated by the IEA Secretariat based on annual data.

ROMANIA

Monthly reporting did not include production from solar, therefore it was estimated by the IEA Secretariat based on annual submission from January 2015 until December 2016.

From January 2016 onwards, solar production was included in the monthly reporting.

Statistics report

Overall responsibility

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