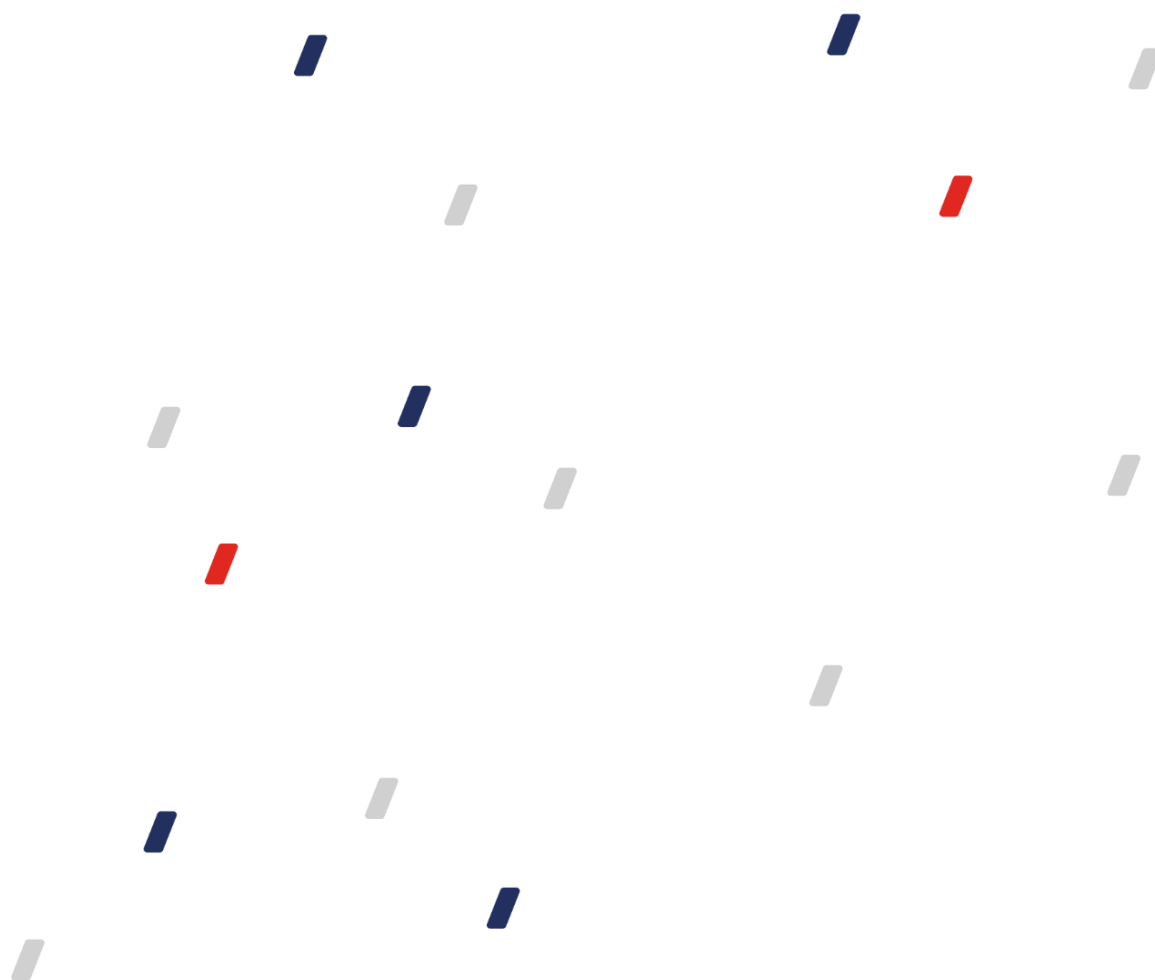


YEARLY REPORT ON THE OPERATION OF THE CZECH ELECTRICITY GRID

2023



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INTRODUCTION

The Energy Regulatory Office (ERO) publishes the Yearly Report on the Operation of the Czech Electricity Grid for 2023 under Section 17(7)(m) of Act No 458/2000 on Business and State Administration in Energy Industries and Amending Certain Laws (the Energy Act), as amended. The statistics contained herein are mainly intended for Czech governmental authorities and institutions and those of the European Union, and expert circles.

In this report, the ERO discloses all available operating and technical data representing physical flows of electricity. The ERO obtains data for the yearly report under Public Notice 404/2016 on the particulars and structure of the returns required for preparing reports on the operation of systems in energy industries, including the dates, scope and rules for preparing the returns (the Statistics Public Notice), as amended, which came into effect on 1 January 2017. Under its competences set out in Section 20a(4)(e) of the Energy Act, the market operator prepares its monthly and yearly statistics of the electricity and gas markets, which supplement the ERO's statistics with trading data.

All data for this report has been obtained from licensed entities: electricity generators, distribution system operators, the transmission system operator, and the market operator.

Based on the returns from distribution system operators, this report also newly contains data for 2022 and 2023 on unlicensed generating facilities that are connected to distributions systems. These facilities constitute certain installed capacity. Using the data on licenced facilities from the market operator, electricity generation by this capacity was derived therefrom. Supply to the grid was deducted from this generated electricity, which yielded consumption at points of generation that was added to the consumption of households and small business, and, if applicable also of the 'Others' item, on the basis of the distribution tariffs.

This Yearly Report on the Operation of the Czech Electricity Grid for 2023 follows up on the yearly reports released in preceding years and provides information about the electricity industry's key statistics for 2023, including their development over the past ten years. Its respective chapters contain statistics on electrical energy balances, generation and consumption by category, including generation from renewable energy sources (RES) and combined heat and power generation (CHP). The report also contains an overview of the installed capacities in the Czech electricity grid, cross-border electricity flows, some Region-specific evaluations, and tariff statistics. The yearly report for 2023 is based on the data in the report for 4Q 2023 and contains some data for 2021 and 2022 that is more accurate, largely in connection with an update of the data from OTE, a.s. and corrections of identified mistakes.

This yearly report does not contain the data on over 50 kW facilities generating electricity from renewable sources, which had not been provided to the market operator by the closing date of this report. On 31 December 2023, the installed capacity of these facilities totalled 155 MW (photovoltaic 139 MW, hydro 5 MW, and wind power 11 MW).

1 ABBREVIATIONS, ACRONYMS AND EXPLANATIONS

BDMW	biologically degradable municipal waste
CAIDI	Customer Average Interruption Duration Index in the period under review
CC	combined cycle plants
ČEPS	ČEPS, a.s. - the Transmission System Operator
ČEZ Distribuce	ČEZ Distribuce, a. s. - a Regional Distribution System Operator
DS	distribution system
DSO	distribution system operator
EG.D	EG.D, a.s. - a Regional Distribution System Operator
EHV	extra high voltage over 52 kV (under the ČSN 330010 standard) [≈ high voltage]
GFPS	gas fired power stations
HD_C	high demand customers
HE	hydroelectric power stations
HV	high voltage from 1 kV to 52 kV (under the ČSN 330010 standard) [≈ medium voltage]
CHP	combined heat and power generation
LD_B	low demand customers, businesses
LD_H	low demand customers, households
LDS	local distribution system
LV	low voltage up to 1 kV (under the ČSN 330010 standard)
NPP	nuclear power plants
PREdistribuce	PREdistribuce, a.s. - a Regional Distribution System Operator
PSHE	pumped storage hydroelectric power stations
PV	photovoltaic plants
RDS	regional distribution system
RES	renewable energy sources
SAIDI	System Average Interruption Duration Index in the period under review
SAIFI	System Average Interruption Frequency Index in the period under review
TPS	thermal power stations
TS	transmission system
TSO	transmission system operator
WPP	wind power plants

Balancing difference =

Gross electricity generation + cross-border balance - national gross consumption (NGC).

Total losses =

Losses in distribution system operators' and the transmission system operator's networks.

Installed capacities =

Installed capacities reflect the capacities actually connected in the transmission system and the distribution systems, i.e. the figures do not reflect the sum of the capacities from licences awarded for the respective category of electricity generation.

Local consumption =

Consumption of producers and entities directly connected to the respective generating facility. The consumption of producers from unlicensed generating facilities is not included in this figure; it is part of the consumption of LD_H and LD_B.

Cross-border balance =

Net balance of cross-border exchanges of electrical energy in a given period. It is the difference between total electricity imports and total electricity exports in a given period. A positive value denotes electricity imports exceeding exports, and a negative value denotes electricity exports exceeding imports.

Electricity consumption in the CR =

$NNC - OU_h$.

Own use (process only) for electricity generation (OU_e) =

This expression denotes the consumption of electricity that is required for the electricity generating process. It covers all operations that are crucial for electricity generation, including losses in electricity generation. The definition is based on 'process own use' specified in Section 2(u) of Act No 165/2012 on supported energy sources and amending certain laws, as amended.

Own use (process only) for heat production (OU_h) =

Analogous to OU_e .

National gross consumption (NGC) =

$NNC + \text{consumption for pumping at PSHE} + \text{total losses} + OU_e$.

National net consumption (NNC) =

$HD_C \text{ at the EHV level} + HD_C \text{ at the HV level} + LD_H + LD_B + \text{consumption of the TSO and DSOs} + \text{local consumption} + OU_h$.

Gross electricity generation =

Total electricity available at generator terminals.

Net electricity generation =

Gross electricity generation minus OU_e .

Gross load =

The hourly value of electrical power supplied to the Czech electricity grid by connected electricity producers +/- net balance - pumping at PSHE.

Load (without OU_e) =

Gross load - OU_e .

2 COMMENTARY

In 2023, gross electricity generation totalled 76.9 TWh, down by 7.8 TWh (-9.2%) on 2022. The largest year-on-year change in gross electricity generation was registered in thermal power stations, which produced 7.3 TWh less (-17.8%) year-on-year while their installed capacity remained almost unchanged (+0.6%). Combined cycle units produced 0.4 TWh less (-17.6%), gas-fired power stations produced 0.2 TWh less (-5.1%) and nuclear power plants produced 0.6 TWh less (-2%). On the other hand, gross electricity generation rose the most in photovoltaic plants, by 0.4 TWh (+16.2%). More electricity was also generated in hydroelectric power stations, by 0.3 TWh (+12.5%), wind power plants (+9.4%) and pumped-storage hydroelectric power stations (+7.6%). Gross electricity generation from brown coal dropped by 6.5 TWh (-19%) and from hard coal by 0.5 TWh (-20.9%) year-on-year. Electricity production from natural gas dropped by 0.6 TWh (-16%) compared with 2022.

Gross electricity generation from renewable energy sources increased by 511 GWh (+4.8%) year-on-year. Electricity from biomass declined by 221 GWh (-8.3%) and from biogas and landfill gas by (-0.5%). On the other hand, as regards the other renewable energy sources, electricity generation increased year-on-year, the most in photovoltaic plants, by 403 GWh (+16.2%). Electricity generation in large hydroelectric power stations (with an installed capacity of 10 MW or more) rose by 164 GWh (+16%) and in small hydroelectric power stations by 98 GWh (+9.1%). Electricity generation also increased from biologically degradable municipal waste (+15.8%) and from wind power plants (+9.4%).

Gross electricity consumption declined to 67.9 TWh (-4.3%) in 2023. Most of the decrease took place at high-demand customers taking power from HV networks, by 0.9 TWh (-4.1%), households, by 0.3 TWh (-2.1%), low-demand business customers, by 0.2 TWh (-2.9%) and high-demand customers taking power from EHV networks, by 0.1 TWh (-1.4%).

As in preceding years, 2023 also saw a negative net balance of electricity imports and exports, amounting to 9.2 TWh. This implies a year-on-year decrease of 4.3 TWh (-32.1%). Exports and imports dropped by 7.6 TWh (-25.1%) and 3.3 TWh (-19.5%) respectively year-on-year.

The annual peak load in the grid was registered on 7 February 2023 at 8:45 hrs (11,278 MW). The annual minimum load was registered on 7 May 2023 at 5:45 hrs (4,522 MW). The report also evaluates 15-minute load and consumption variations, including the structure of the generating capacities covering the peak load and the minimum load. Consumption on the peak and minimum load days in preceding years is also shown.

The report also shows the key technical data on the transmission system and regional distribution systems, including the supply quality ratios. The report contains tariff statistics, including their development over the last ten years. The statistics provide an overview of the number of supply points and electricity consumption by distribution tariff; they are based on billing data. The Sankey diagram, depicting the electrical energy balance for 2023, is attached at the end of the report.

3 ELECTRICAL ENERGY BALANCES, GENERATION AND CONSUMPTION

3.1 Electrical energy balances – generation [GWh]

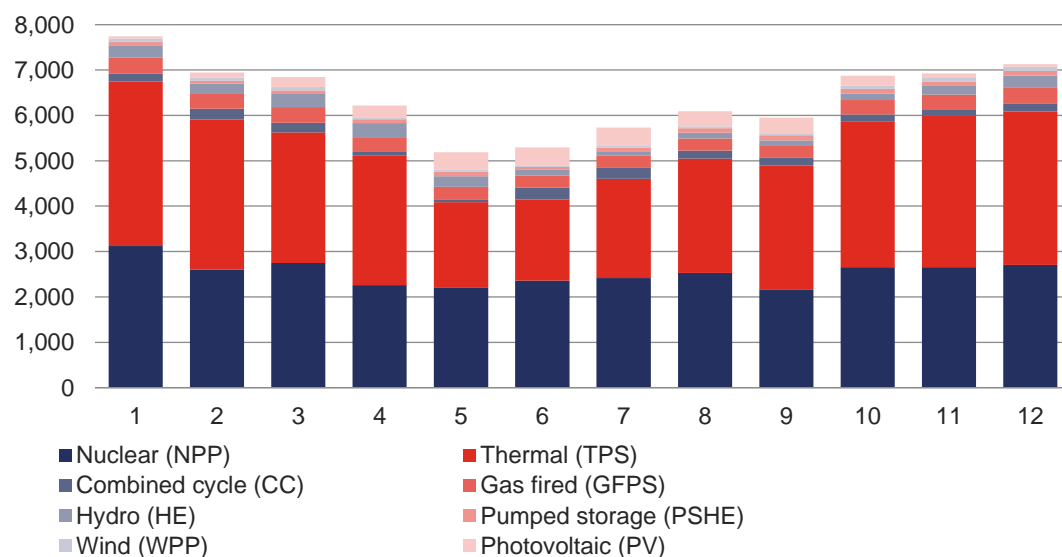
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Gross electricity generation	7,746.0	6,946.5	6,850.2	6,218.1	5,187.1	5,291.3	5,729.1	6,091.3	5,952.1	6,872.4	6,925.5	7,128.9	76,938.5
Nuclear (NPP)	3,119.8	2,602.5	2,746.2	2,263.9	2,213.7	2,357.4	2,413.6	2,526.8	2,152.1	2,652.5	2,654.0	2,707.9	30,410.5
Thermal (TPS)	3,625.0	3,309.0	2,881.3	2,847.9	1,872.2	1,789.5	2,193.0	2,521.7	2,741.0	3,204.2	3,346.1	3,380.2	33,711.1
Combined cycle (CC)	182.9	237.8	212.1	101.6	49.1	256.2	237.2	173.1	185.5	167.6	117.6	168.2	2,088.9
Gas fired (GFPS)	350.8	324.0	343.5	307.0	293.8	271.3	273.3	271.7	267.3	311.4	341.6	351.1	3,706.9
Hydro (HE)	249.6	222.9	288.7	312.7	234.3	129.5	90.3	124.2	105.1	147.6	189.2	268.9	2,363.0
Pumped storage (PSHE)	89.2	65.6	80.2	81.8	92.8	59.4	81.6	98.3	109.6	102.3	100.3	103.5	1,064.4
Wind (WPP)	74.7	68.0	77.2	45.3	46.0	33.5	40.7	41.2	33.8	67.9	79.9	93.2	701.6
Photovoltaic (PV)	54.0	116.7	220.9	258.0	385.1	394.4	399.3	334.3	357.7	218.8	96.8	56.0	2,892.1
Own use (process only) for electricity generation (OU_e)	508.4	450.1	435.7	410.8	348.9	344.2	377.9	420.8	420.4	478.1	474.2	482.9	5,152.3
Nuclear (NPP)	167.9	139.1	145.1	125.7	126.5	134.8	132.8	147.5	126.6	148.9	140.3	146.1	1,681.3
Thermal (TPS)	314.8	286.5	263.4	260.7	197.1	182.8	217.7	246.6	267.6	303.1	309.2	310.7	3,160.1
Combined cycle (CC)	2.3	2.9	2.8	1.4	1.1	4.1	3.7	2.9	3.3	2.6	1.7	2.1	30.8
Gas fired (GFPS)	18.8	17.3	18.9	17.8	18.5	18.1	18.8	18.8	17.9	18.4	17.9	18.4	219.4
Hydro (HE)	1.8	1.7	2.0	2.1	1.8	1.0	0.8	1.0	0.9	1.2	1.5	1.9	17.7
Pumped storage (PSHE)	1.2	0.8	1.1	1.1	1.2	0.7	1.0	1.3	1.5	1.4	1.3	1.3	13.9
Wind (WPP)	0.9	0.8	0.9	0.5	0.5	0.4	0.5	0.5	0.4	0.8	0.9	1.1	8.3
Photovoltaic (PV)	0.8	1.0	1.5	1.6	2.1	2.2	2.6	2.3	2.3	1.8	1.4	1.2	20.7
Own use (process only) for heat production (OU_h)	110.6	102.8	98.8	87.0	67.5	50.9	51.2	48.6	52.6	71.1	92.6	109.7	943.5
Nuclear (NPP)	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.4	0.6	0.7	3.7
Thermal (TPS)	105.9	98.8	94.5	83.3	64.7	48.4	48.7	46.2	50.2	67.5	88.1	104.6	900.8
Combined cycle (CC)	0.8	0.7	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.5	0.7	0.8	4.8
Gas fired (GFPS)	3.5	3.1	3.2	2.8	2.7	2.3	2.4	2.3	2.2	2.7	3.2	3.6	34.1
Net electricity generation	7,237.7	6,496.5	6,414.5	5,807.4	4,838.2	4,947.1	5,351.2	5,670.4	5,531.7	6,394.3	6,451.2	6,646.0	71,786.1
Nuclear (NPP)	2,952.0	2,463.5	2,601.1	2,138.2	2,087.2	2,222.6	2,280.8	2,379.3	2,025.5	2,503.6	2,513.7	2,561.8	28,729.2
Thermal (TPS)	3,310.3	3,022.5	2,617.9	2,587.2	1,675.1	1,606.7	1,975.3	2,275.2	2,473.4	2,901.2	3,036.9	3,069.4	30,551.1
Combined cycle (CC)	180.7	234.8	209.3	100.2	48.0	252.1	233.6	170.2	182.2	165.0	115.9	166.1	2,058.1
Gas fired (GFPS)	332.0	306.7	324.6	289.2	275.3	253.3	254.5	253.0	249.4	293.0	323.7	332.7	3,487.4
Hydro (HE)	247.8	221.2	286.7	310.7	232.5	128.5	89.5	123.1	104.2	146.5	187.7	267.0	2,345.3
Pumped storage (PSHE)	88.0	64.7	79.1	80.6	91.6	58.7	80.5	97.0	108.1	100.9	99.0	102.1	1,050.5
Wind (WPP)	73.8	67.3	76.3	44.8	45.5	33.1	40.2	40.7	33.4	67.1	79.0	92.1	693.3
Photovoltaic (PV)	53.2	115.7	219.5	256.4	382.9	392.2	396.7	332.0	355.4	217.0	95.4	54.9	2,871.3

3.2 Electrical energy balances – consumption [GWh]

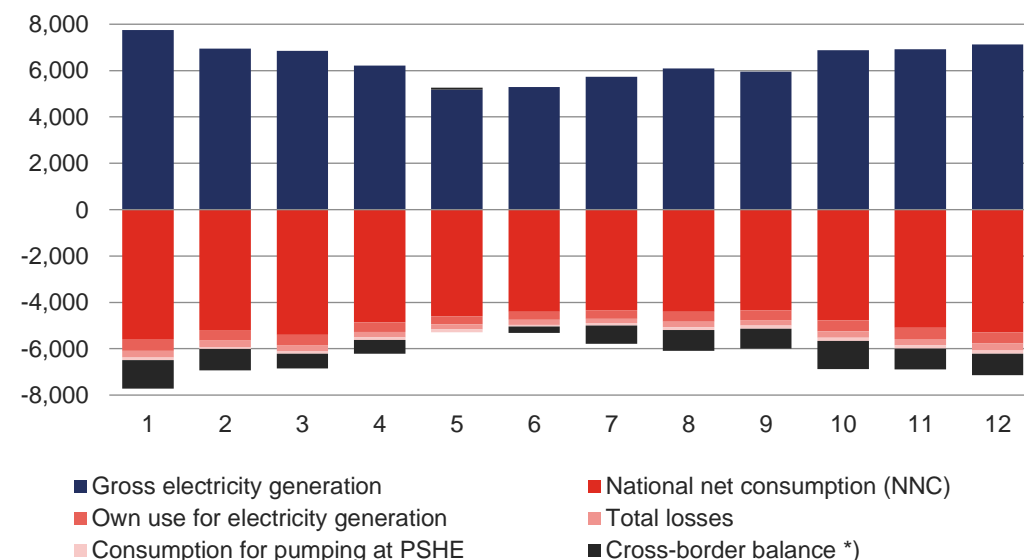
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Cross-border balance ^{*)}	-1,226.4	-930.3	-631.0	-601.1	76.9	-275.3	-783.5	-898.8	-862.2	-1,226.1	-906.6	-919.2	-9,183.6
Electricity imports at TS level	1,529.1	1,220.9	1,050.8	1,048.5	1,033.1	819.9	938.7	864.3	865.5	1,280.3	1,137.7	1,523.4	13,312.2
Electricity imports at DS level	63.6	26.4	0.2	0.2	0.2	0.1	1.5	0.1	0.5	0.1	37.0	22.4	152.3
Electricity exports at TS level	-2,818.1	-2,175.3	-1,681.9	-1,643.5	-944.2	-1,075.3	-1,700.9	-1,706.8	-1,722.0	-2,501.3	-2,076.1	-2,457.0	-22,502.5
Electricity exports at DS level	-1.0	-2.3	-0.1	-6.3	-12.1	-20.0	-22.8	-56.3	-6.2	-5.2	-5.2	-8.0	-145.6
Total losses	298.0	275.9	274.7	236.2	216.8	219.8	180.3	230.6	224.3	272.4	281.3	302.1	3,012.4
In the transmission system	83.7	76.0	71.1	53.8	45.0	52.4	70.8	61.7	54.0	85.1	77.0	93.8	824.3
In distribution systems	214.3	199.9	203.6	182.4	171.8	167.4	109.5	168.9	170.3	187.3	204.3	208.4	2,188.1
Electricity consumption in the Czech Republic	5,467.5	5,090.2	5,306.1	4,773.0	4,533.9	4,353.3	4,282.0	4,364.1	4,297.4	4,701.6	5,010.7	5,185.1	57,364.9
HD_C from the EHV level	590.5	564.4	634.2	611.5	617.7	671.2	621.8	593.7	596.9	605.8	576.9	517.7	7,202.3
HD_C from the HV level	1,967.4	1,831.4	1,982.3	1,760.8	1,839.4	1,852.5	1,711.9	1,844.5	1,803.5	1,907.8	1,908.9	1,685.2	22,095.5
Low demand customers, businesses (LD_B)	771.5	709.6	719.0	606.8	555.5	517.3	519.2	547.9	530.9	610.4	709.9	736.5	7,534.5
Low demand customers, households (LD_H)	1,669.8	1,555.1	1,492.4	1,359.6	1,090.7	945.3	1,044.4	993.9	940.8	1,157.7	1,418.6	1,808.4	15,476.7
TSO's and DSOs' consumption	22.0	22.7	33.4	34.2	26.5	19.3	23.1	18.1	26.8	19.8	21.1	27.4	294.2
Local consumption	446.3	407.0	444.7	400.1	404.1	347.6	361.6	366.1	398.6	400.2	375.3	409.9	4,761.7
Own use (process only) for electricity generation	508.4	450.1	435.7	410.8	348.9	344.2	377.9	420.8	420.4	478.1	474.2	482.9	5,152.3
Own use (process only) for heat production	110.6	102.8	98.8	87.0	67.5	50.9	51.2	48.6	52.6	71.1	92.6	109.7	943.5
Consumption for pumping at PSHE	114.1	85.5	103.6	108.6	120.2	74.5	108.4	127.4	141.3	133.0	130.0	135.1	1,381.8
National gross consumption (NGC)	6,498.6	6,004.4	6,218.9	5,615.6	5,287.3	5,042.6	4,999.8	5,191.6	5,136.0	5,656.2	5,988.9	6,215.0	67,854.8
National net consumption (NNC)	5,578.1	5,193.0	5,404.9	4,860.0	4,601.4	4,404.1	4,333.2	4,412.7	4,350.0	4,772.7	5,103.3	5,294.8	58,308.3
Balancing difference	21.0	11.9	0.3	1.5	-23.4	-26.6	-54.2	0.9	-46.2	-9.8	30.0	-5.2	-99.9

^{*)} includes data on the TS, RDS and selected LDS (physical flows)

Gross electricity generation [GWh]



Electrical energy balances [GWh]



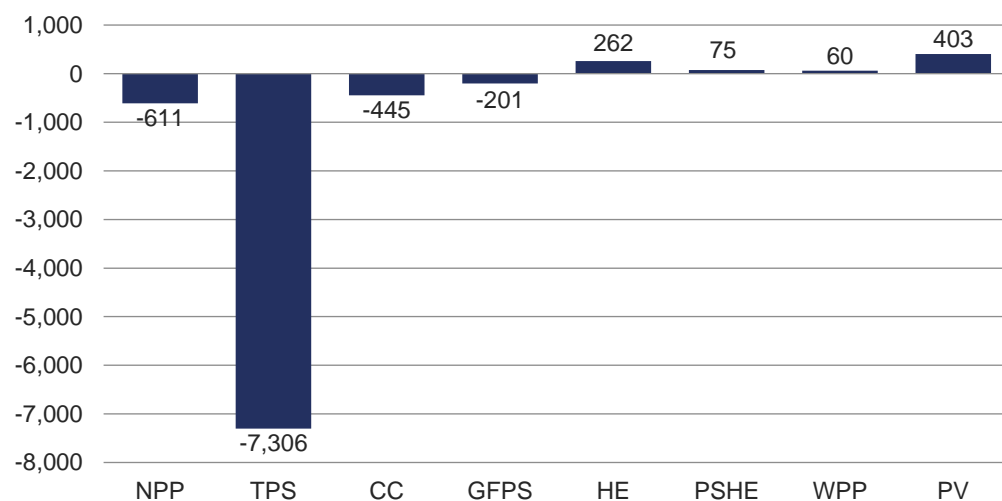
3.3 Development of electrical energy balances and generation [GWh]

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gross electricity generation	86,013	83,894	83,306	87,041	88,002	86,991	81,446	84,908	84,702	76,938
Net electricity generation	79,900	77,887	77,419	81,009	81,902	81,147	76,129	79,301	78,946	71,786
Own use (process only) for electricity generation (C)	6,114	6,007	5,887	6,033	6,100	5,844	5,317	5,607	5,755	5,152
National gross consumption	69,620	71,016	72,420	73,819	73,942	73,932	71,355	73,665	70,897	67,855
National net consumption	58,297	59,282	60,882	61,882	62,200	62,268	60,236	62,834	60,437	58,308
Own use (process only) for electricity generation (C)	6,114	6,007	5,887	6,033	6,100	5,844	5,317	5,607	5,755	5,152
Total losses	3,847	4,067	4,080	4,375	4,269	4,300	4,117	3,651	3,414	3,012
Consumption for pumping at PSHE	1,363	1,660	1,570	1,530	1,373	1,520	1,685	1,574	1,290	1,382
Cross-border balance ¹⁾	-16,300	-12,516	-10,974	-13,037	-13,907	-13,097	-10,153	-11,075	-13,529	-9,184

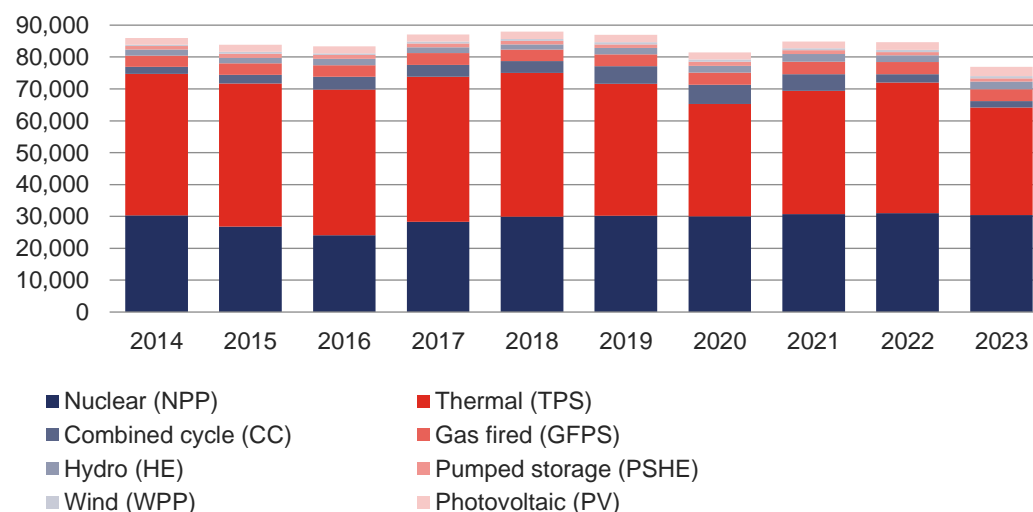
¹⁾ includes data on the TS, RDS and selected LDS (physical flows)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gross electricity generation	86,013.5	83,893.8	83,305.6	87,041.3	88,002.4	86,991.2	81,445.9	84,908.0	84,701.6	76,938.5
Nuclear (NPP)	30,324.9	26,840.8	24,104.2	28,339.6	29,921.3	30,246.2	30,043.3	30,731.2	31,021.8	30,410.5
Thermal (TPS)	44,420.5	44,819.8	45,704.1	45,431.7	45,070.8	41,386.7	35,198.1	38,631.5	41,017.3	33,711.1
Combined cycle (CC)	2,204.7	2,749.0	4,049.2	3,722.4	3,690.9	5,518.5	6,041.3	5,239.8	2,533.6	2,088.9
Gas fired (GFPS)	3,498.3	3,572.8	3,613.9	3,719.7	3,690.4	3,676.7	3,789.6	3,930.1	3,907.6	3,706.9
Hydro (HE)	1,909.8	1,795.4	2,001.5	1,869.5	1,627.5	2,008.7	2,144.3	2,410.2	2,101.2	2,363.0
Pumped storage (PSHE)	1,051.5	1,276.0	1,201.5	1,170.5	1,050.6	1,166.7	1,293.1	1,211.4	989.7	1,064.4
Wind (WPP)	476.5	572.6	497.0	591.0	609.3	700.0	699.1	601.6	641.4	701.6
Photovoltaic (PV)	2,127.3	2,267.3	2,134.2	2,196.9	2,341.6	2,287.8	2,237.3	2,152.2	2,489.1	2,892.1

Year-on-year change in gross electricity generation by technology [GWh]



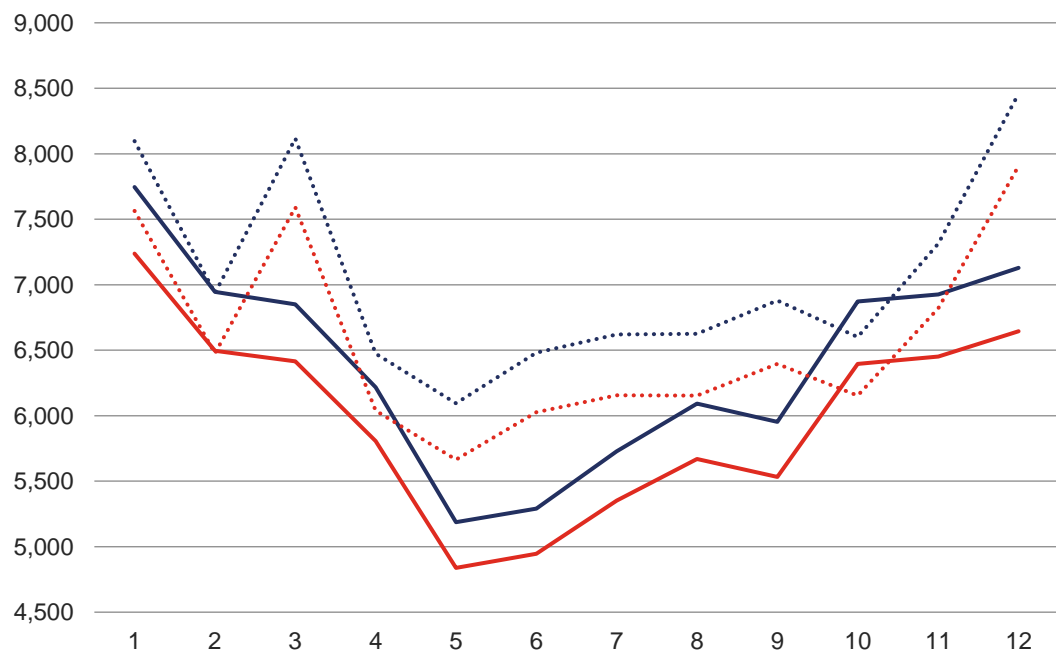
Gross electricity generation [GWh]



3.4 Year-on-year change in electricity generation [GWh]

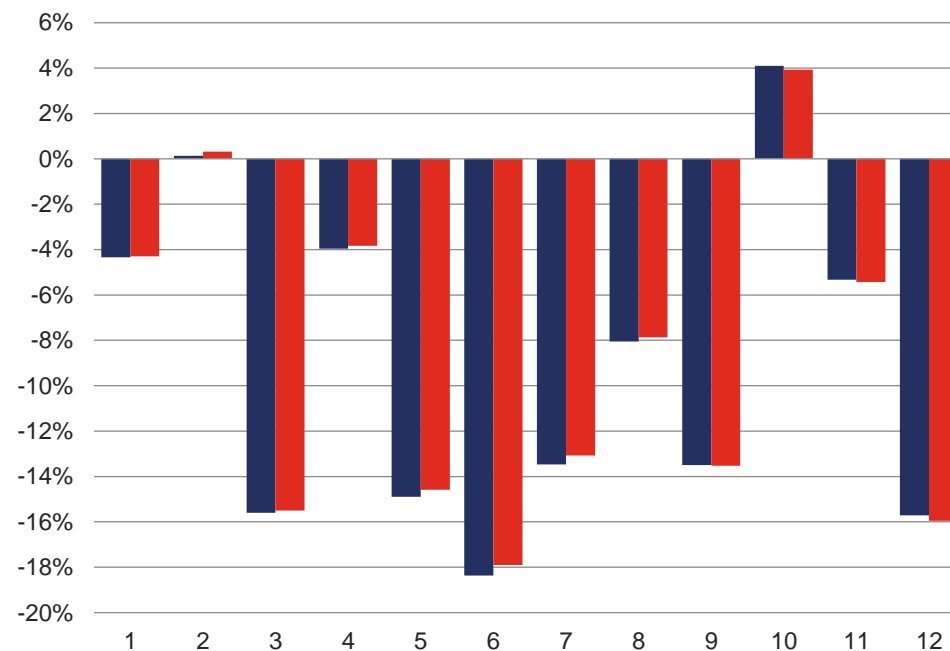
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Gross electricity generation in 2022	8,097	6,937	8,116	6,475	6,095	6,481	6,621	6,624	6,880	6,602	7,315	8,458	84,702
Gross electricity generation in 2023	7,746	6,947	6,850	6,218	5,187	5,291	5,729	6,091	5,952	6,872	6,925	7,129	76,938
Year-on-year change in gross electricity generation	-351	10	-1,265	-257	-908	-1,190	-892	-533	-928	270	-389	-1,329	-7,763
Year-on-year change in gross electricity generation	-4.3%	0.1%	-15.6%	-4.0%	-14.9%	-18.4%	-13.5%	-8.0%	-13.5%	4.1%	-5.3%	-15.7%	-9.2%
Net electricity generation in 2022	7,563	6,476	7,591	6,038	5,665	6,025	6,156	6,154	6,397	6,153	6,821	7,907	78,946
Net electricity generation in 2023	7,238	6,496	6,414	5,807	4,838	4,947	5,351	5,670	5,532	6,394	6,451	6,646	71,786
Year-on-year change in net electricity generation	-325	20	-1,177	-231	-826	-1,078	-805	-484	-865	242	-370	-1,261	-7,160
Year-on-year change in net electricity generation	-4.3%	0.3%	-15.5%	-3.8%	-14.6%	-17.9%	-13.1%	-7.9%	-13.5%	3.9%	-5.4%	-15.9%	-9.1%

Electricity generation [GWh]



..... Gross electricity generation in 2022
 Net electricity generation in 2022
 — Gross electricity generation in 2023
 — Net electricity generation in 2023

Year-on-year change in electricity generation [%]



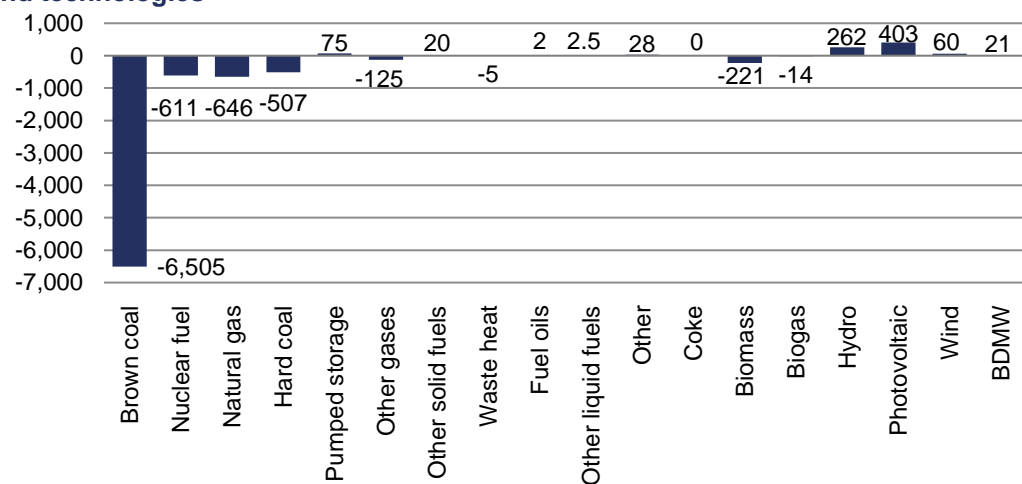
■ Year-on-year change in gross electricity generation
 ■ Year-on-year change in net electricity generation

3.5 Fuels and technologies used in gross electricity generation [GWh]

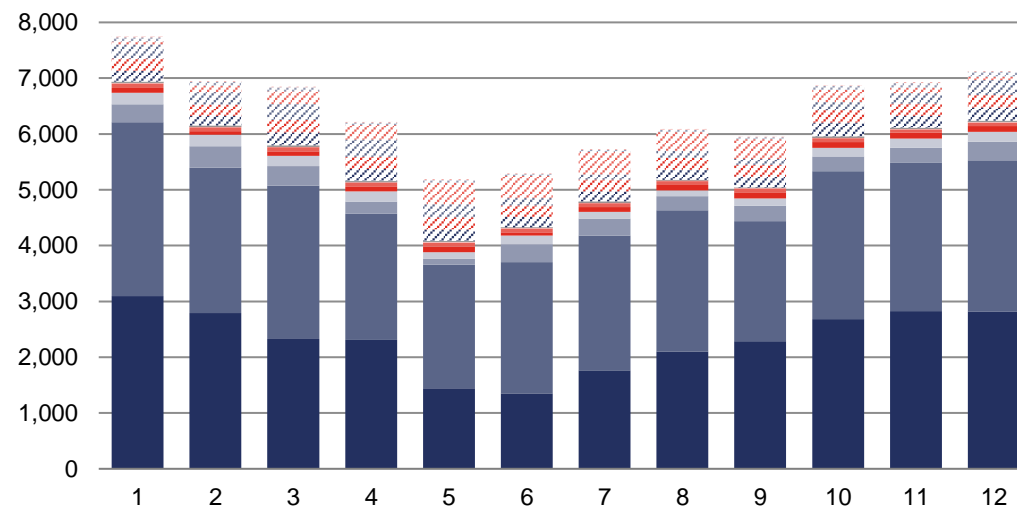
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Gross electricity generation	7,746.0	6,946.5	6,850.2	6,218.1	5,187.1	5,291.3	5,729.1	6,091.3	5,952.1	6,872.4	6,925.5	7,128.9	76,938.5
■ Brown coal	3,093.5	2,791.1	2,327.7	2,307.0	1,444.9	1,348.6	1,766.4	2,105.1	2,286.5	2,679.9	2,827.1	2,822.8	27,800.5
■ Nuclear fuel	3,119.8	2,602.5	2,746.2	2,263.9	2,213.7	2,357.4	2,413.6	2,526.8	2,152.1	2,652.5	2,654.0	2,707.9	30,410.5
⊘ Renewable energy sources (RES)	805.8	793.5	1,050.6	1,056.7	1,103.7	962.1	934.9	911.9	912.3	913.6	813.2	888.2	11,146.4
■ Natural gas	320.3	388.5	350.0	214.8	106.1	318.9	301.1	253.3	272.4	267.0	268.9	330.6	3,392.1
■ Hard coal	204.7	202.9	182.2	186.6	118.6	155.3	125.0	103.7	135.8	154.8	169.7	179.3	1,918.6
■ Pumped storage	89.2	65.6	80.2	81.8	92.8	59.4	81.6	98.3	109.6	102.3	100.3	103.5	1,064.4
■ Other gases	75.3	68.6	76.2	72.0	72.2	64.3	70.8	67.6	65.7	65.9	59.7	57.5	815.7
■ Other solid fuels (excluding BDMW)	9.5	8.7	8.5	9.3	9.1	9.2	9.4	11.4	7.6	12.0	11.5	11.6	117.8
■ Waste heat	5.2	5.2	6.3	5.2	5.0	5.2	5.3	4.4	3.9	5.0	5.5	5.3	61.4
■ Fuel oils	2.4	1.8	2.2	1.7	2.2	2.3	2.7	2.2	1.9	2.0	1.7	1.8	25.0
■ Other liquid fuels	2.5	2.0	2.0	1.6	1.1	0.4	0.3	0.4	0.4	0.2	1.3	2.3	14.6
■ Other	17.9	16.2	18.1	17.5	17.6	8.2	17.9	6.4	3.9	17.2	12.5	18.2	171.6
■ Coke	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total RES [MWh]	805.8	793.5	1,050.6	1,056.7	1,103.7	962.1	934.9	911.9	912.3	913.6	813.2	888.2	11,146.4
⊘ Biomass	188.2	172.1	227.1	212.8	205.5	181.4	175.5	184.2	197.9	245.5	215.3	233.0	2,438.5
⊘ Biogas	226.3	202.4	224.6	214.8	220.2	211.1	216.2	212.2	207.4	221.8	218.5	225.7	2,601.0
⊘ Hydro	249.6	222.9	288.7	312.7	234.3	129.5	90.3	124.2	105.1	147.6	189.2	268.9	2,363.0
⊘ Photovoltaic	54.0	116.7	220.9	258.0	385.1	394.4	399.3	334.3	357.7	218.8	96.8	56.0	2,892.1
⊘ Wind	74.7	68.0	77.2	45.3	46.0	33.5	40.7	41.2	33.8	67.9	79.9	93.2	701.6
⊘ BDMW	13.1	11.4	12.0	13.1	12.6	12.2	12.9	15.8	10.3	12.0	13.4	11.4	150.2
Share of RES ¹⁾	10.4%	11.4%	15.3%	17.0%	21.3%	18.2%	16.3%	15.0%	15.3%	13.3%	11.7%	12.5%	14.5%

¹⁾ Gross RES electricity generation's simple percentage of total gross electricity generation

Year-on-year change in gross electricity generation from the various fuels and technologies



Fuels' and technologies' share of gross electricity generation [GWh]

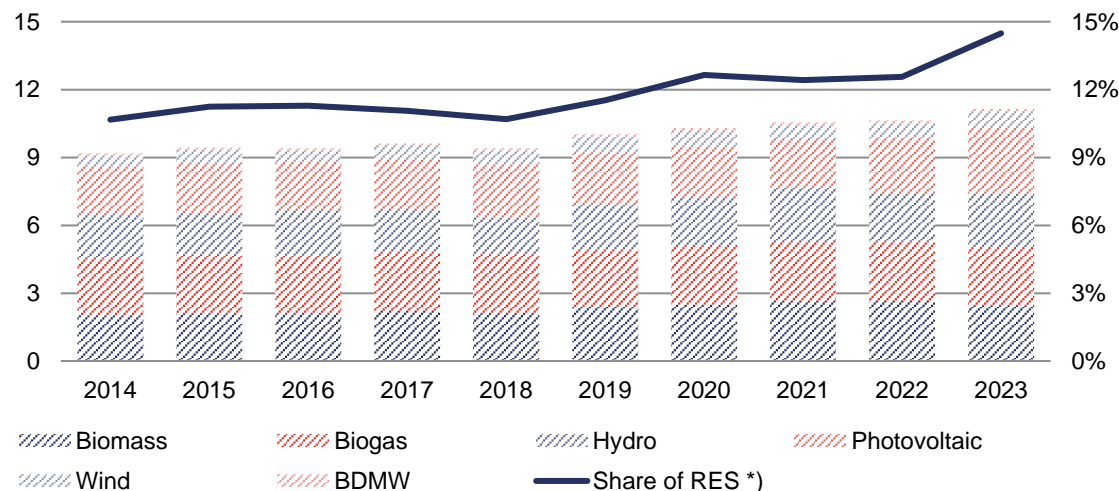


3.6 Fuels and technologies used in gross electricity generation: history [GWh]

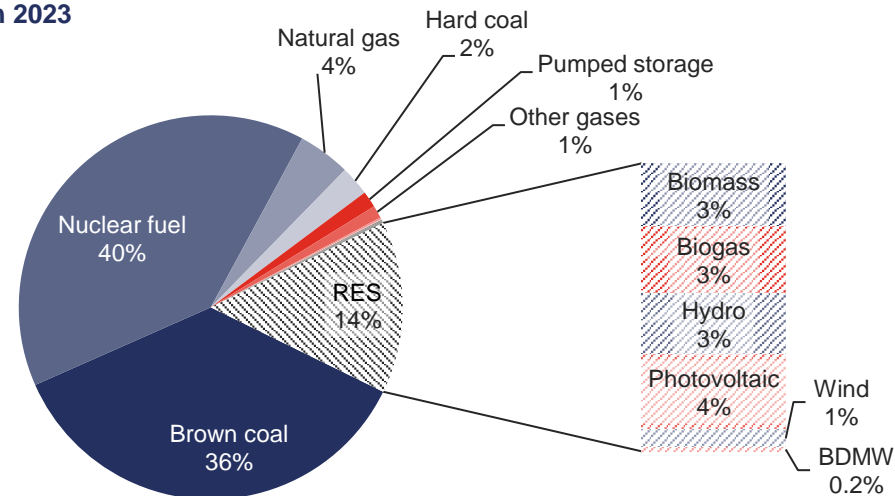
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gross electricity generation	86,013.5	83,893.8	83,305.6	87,041.3	88,002.4	86,991.2	81,445.9	84,908.0	84,701.6	76,938.5
■ Brown coal	35,832.2	35,945.2	36,228.1	36,978.1	37,733.8	35,172.0	29,073.6	31,407.1	34,305.6	27,800.5
■ Nuclear fuel	30,324.9	26,840.8	24,104.2	28,339.6	29,921.3	30,246.2	30,043.3	30,731.2	31,021.8	30,410.5
⊘ Renewable energy sources (RES)	9,177.1	9,427.3	9,399.2	9,622.1	9,404.6	10,027.1	10,293.6	10,548.0	10,635.9	11,146.4
■ Natural gas	1,356.6	1,978.0	3,422.2	3,388.0	3,488.1	5,514.5	6,586.9	7,019.7	4,038.2	3,392.1
■ Hard coal	4,889.8	5,165.6	5,719.9	4,453.0	3,454.5	2,149.0	1,914.2	2,761.7	2,425.9	1,918.6
■ Pumped storage	1,051.5	1,276.0	1,201.5	1,170.5	1,050.6	1,166.7	1,293.1	1,211.4	989.7	1,064.4
■ Other gases	3,221.6	3,088.8	3,036.2	2,879.7	2,751.5	2,514.7	2,035.1	1,027.0	941.0	815.7
■ Other solid fuels (excluding BDMW)	67.5	75.9	78.3	87.8	76.8	82.0	89.7	97.2	98.1	117.8
■ Waste heat	35.4	32.4	46.0	45.6	64.3	62.1	70.3	70.5	66.3	61.4
■ Fuel oils	45.7	47.1	44.3	53.9	34.8	38.4	23.5	20.6	23.0	25.0
■ Other liquid fuels	10.7	16.1	25.0	22.8	21.6	17.4	21.8	12.2	12.0	14.6
■ Other	0.5	0.7	0.8	0.2	0.5	1.0	1.0	1.5	144.0	171.6
■ Coke	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total RES [MWh]	9,177.1	9,427.3	9,399.2	9,622.1	9,404.6	10,027.1	10,293.6	10,548.0	10,635.9	11,146.4
⊘ Biomass	2,008.2	2,090.9	2,067.4	2,211.4	2,118.7	2,398.7	2,498.9	2,664.6	2,659.4	2,438.5
⊘ Biogas	2,567.9	2,614.5	2,600.6	2,639.0	2,607.2	2,527.1	2,594.7	2,592.1	2,615.1	2,601.0
⊘ Hydro	1,909.8	1,795.4	2,001.5	1,869.5	1,627.5	2,008.7	2,144.3	2,410.2	2,101.2	2,363.0
⊘ Photovoltaic	2,127.3	2,267.3	2,134.2	2,196.9	2,341.6	2,287.8	2,237.3	2,152.2	2,489.1	2,892.1
⊘ Wind	476.5	572.6	497.0	591.0	609.3	700.0	699.1	601.6	641.4	701.6
⊘ BDMW	87.3	86.6	98.6	114.2	100.2	104.8	119.4	127.3	129.7	150.2
Share of RES ¹⁾	10.7%	11.2%	11.3%	11.1%	10.7%	11.5%	12.6%	12.4%	12.6%	14.5%

¹⁾ Gross RES electricity generation's simple percentage of total gross electricity generation

Gross RES electricity generation and its share of total gross electricity generation (TWh)



Fuels and technologies used in gross electricity generation in 2023



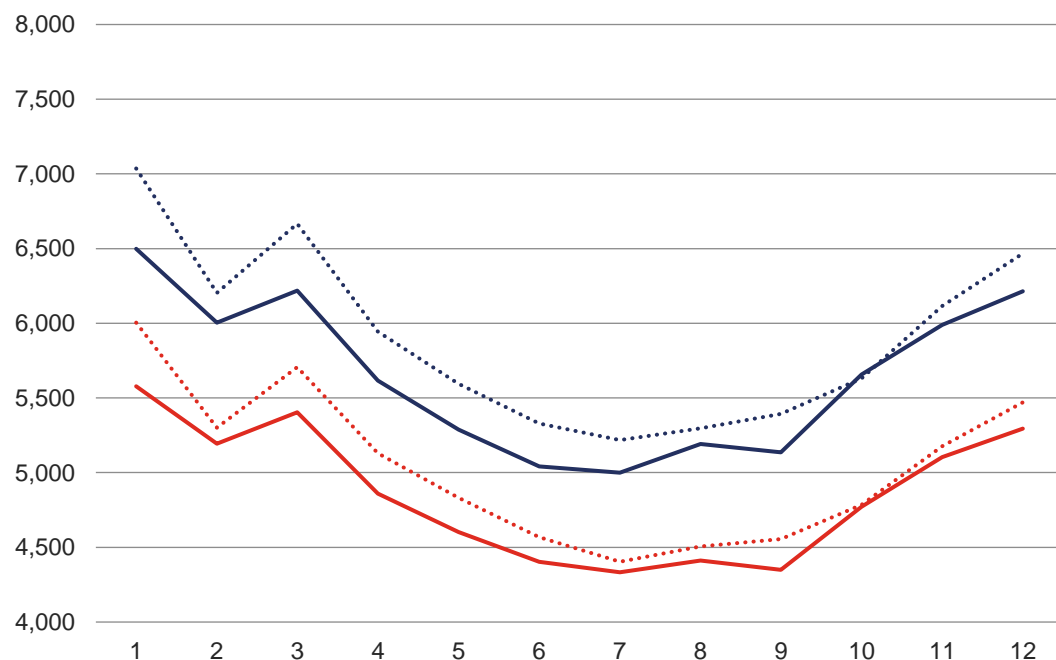
3.7 Development of electricity generation and consumption [GWh]

		January	February	March	April	May	June	July	August	September	October	November	December	Total
2014	Gross electricity generation	8,210.4	7,316.4	8,134.0	7,336.9	6,784.7	6,259.2	5,843.3	6,105.7	7,208.7	8,029.7	7,388.9	7,395.6	86,013.5
	Net electricity generation	7,651.5	6,809.5	7,570.9	6,817.7	6,283.4	5,799.8	5,406.9	5,653.2	6,693.7	7,472.7	6,865.1	6,875.2	79,899.6
	National gross consumption	6,616.2	5,985.4	6,167.7	5,686.3	5,574.0	5,243.5	5,254.3	5,263.7	5,429.3	5,990.2	6,102.2	6,307.1	69,619.9
	National net consumption	5,511.4	4,987.0	5,096.2	4,732.0	4,656.2	4,442.6	4,499.7	4,452.0	4,513.9	4,951.0	5,090.4	5,364.5	58,296.7
2015	Gross electricity generation	8,279.9	7,821.2	8,141.1	7,327.8	6,419.7	6,274.7	6,200.8	6,424.3	5,928.3	6,915.3	6,971.6	7,189.0	83,893.8
	Net electricity generation	7,721.4	7,290.8	7,582.3	6,822.1	5,960.8	5,814.2	5,715.7	5,921.0	5,476.8	6,420.9	6,481.8	6,679.1	77,886.8
	National gross consumption	6,689.9	6,209.1	6,436.8	5,814.1	5,542.6	5,401.0	5,451.5	5,408.9	5,409.5	6,137.9	6,222.5	6,292.4	71,016.3
	National net consumption	5,586.0	5,171.8	5,357.5	4,854.0	4,672.5	4,531.3	4,539.3	4,517.3	4,540.7	5,113.4	5,193.0	5,205.4	59,282.2
2016	Gross electricity generation	7,815.7	7,267.7	8,032.5	7,074.0	6,921.4	6,255.7	6,203.0	6,015.4	5,850.8	6,866.5	7,337.4	7,665.7	83,305.6
	Net electricity generation	7,273.1	6,764.6	7,492.4	6,597.9	6,433.0	5,795.0	5,734.5	5,574.0	5,403.8	6,370.0	6,836.1	7,144.1	77,418.7
	National gross consumption	6,972.3	6,238.1	6,446.8	5,804.3	5,743.8	5,344.1	5,264.8	5,460.1	5,587.5	6,205.3	6,561.8	6,790.9	72,419.8
	National net consumption	5,821.4	5,237.7	5,433.2	4,873.8	4,813.0	4,534.5	4,393.5	4,592.8	4,689.7	5,240.1	5,553.5	5,699.3	60,882.5
2017	Gross electricity generation	8,646.7	7,445.1	7,916.3	7,853.9	6,770.7	5,835.3	5,444.4	6,523.8	7,194.0	7,688.7	8,176.8	7,545.5	87,041.3
	Net electricity generation	8,072.6	6,945.7	7,380.8	7,315.7	6,301.2	5,412.4	5,043.0	6,061.3	6,687.1	7,138.4	7,623.7	7,026.7	81,008.7
	National gross consumption	7,511.6	6,420.3	6,556.2	6,003.0	5,796.0	5,455.6	5,218.4	5,556.2	5,704.7	6,245.0	6,635.6	6,716.8	73,819.5
	National net consumption	6,319.5	5,381.1	5,501.4	4,983.8	4,876.9	4,612.2	4,452.8	4,651.8	4,747.4	5,208.2	5,534.6	5,611.9	61,881.6
2018	Gross electricity generation	7,479.5	7,088.5	8,447.8	6,686.2	7,082.6	6,651.7	6,629.1	6,770.6	7,123.5	7,793.4	8,052.8	8,196.7	88,002.4
	Net electricity generation	6,965.9	6,610.1	7,876.4	6,223.7	6,586.6	6,176.4	6,155.9	6,275.1	6,613.2	7,253.6	7,514.4	7,650.9	81,902.4
	National gross consumption	6,944.8	6,579.1	7,098.4	5,711.8	5,772.9	5,543.5	5,424.1	5,619.9	5,531.6	6,294.4	6,652.6	6,768.7	73,941.9
	National net consumption	5,863.0	5,603.1	5,962.1	4,792.3	4,830.8	4,668.4	4,597.3	4,759.8	4,646.5	5,257.8	5,575.1	5,643.4	62,199.6
2019	Gross electricity generation	8,557.2	7,747.1	7,507.6	6,892.3	7,166.1	6,150.0	5,729.0	6,517.4	6,994.4	8,011.2	7,838.4	7,880.5	86,991.2
	Net electricity generation	8,001.0	7,238.2	7,004.1	6,422.3	6,686.9	5,726.2	5,319.6	6,058.3	6,525.3	7,485.6	7,324.2	7,355.6	81,147.3
	National gross consumption	7,359.8	6,426.7	6,564.3	5,927.7	6,028.6	5,492.8	5,451.2	5,599.6	5,706.8	6,273.9	6,452.8	6,647.7	73,931.9
	National net consumption	6,201.9	5,429.2	5,576.3	5,018.0	5,100.9	4,680.6	4,621.2	4,700.9	4,730.3	5,218.7	5,452.5	5,537.4	62,268.0
2020	Gross electricity generation	8,055.9	7,178.5	6,956.5	5,617.8	6,045.0	6,119.8	5,786.1	6,578.8	6,609.8	7,049.6	7,710.3	7,737.8	81,445.9
	Net electricity generation	7,532.2	6,714.3	6,501.0	5,250.3	5,658.6	5,719.9	5,417.8	6,139.4	6,152.2	6,581.7	7,212.1	7,249.1	76,128.7
	National gross consumption	7,185.1	6,486.1	6,476.7	5,272.2	5,297.4	5,210.7	5,250.6	5,354.7	5,553.4	6,136.3	6,463.4	6,668.4	71,354.9
	National net consumption	6,044.3	5,481.4	5,511.2	4,435.5	4,462.7	4,454.5	4,471.2	4,493.2	4,668.3	5,181.8	5,417.2	5,614.6	60,235.9
2021	Gross electricity generation	8,249.4	7,241.4	7,495.1	6,442.6	5,860.1	5,965.1	6,170.9	6,141.4	6,785.1	8,004.3	8,278.5	8,274.1	84,908.0
	Net electricity generation	7,729.0	6,782.2	7,027.6	6,037.3	5,475.5	5,569.6	5,739.5	5,704.2	6,317.6	7,461.7	7,725.7	7,730.7	79,300.6
	National gross consumption	7,087.0	6,553.7	6,754.0	6,038.8	5,793.4	5,426.3	5,347.8	5,414.9	5,592.0	6,196.3	6,583.4	6,877.9	73,665.5
	National net consumption	6,053.8	5,629.6	5,830.0	5,211.0	5,046.4	4,703.2	4,562.3	4,585.3	4,697.1	5,170.1	5,542.4	5,802.2	62,833.5
2022	Gross electricity generation	8,097.4	6,936.9	8,115.7	6,474.8	6,094.7	6,481.2	6,621.2	6,624.2	6,880.4	6,602.1	7,314.7	8,458.3	84,701.6
	Net electricity generation	7,562.8	6,476.4	7,591.2	6,038.3	5,664.6	6,025.2	6,155.8	6,154.5	6,396.7	6,152.6	6,821.0	7,906.9	78,946.1
	National gross consumption	7,036.3	6,203.6	6,666.4	5,943.6	5,595.5	5,330.0	5,218.0	5,296.5	5,393.3	5,631.1	6,116.0	6,467.0	70,897.4
	National net consumption	6,004.3	5,302.0	5,706.5	5,129.0	4,830.9	4,567.9	4,403.6	4,506.5	4,554.3	4,784.7	5,177.3	5,470.0	60,437.2
2023	Gross electricity generation	7,746.0	6,946.5	6,850.2	6,218.1	5,187.1	5,291.3	5,729.1	6,091.3	5,952.1	6,872.4	6,925.5	7,128.9	76,938.5
	Net electricity generation	7,237.7	6,496.5	6,414.5	5,807.4	4,838.2	4,947.1	5,351.2	5,670.4	5,531.7	6,394.3	6,451.2	6,646.0	71,786.1
	National gross consumption	6,498.6	6,004.4	6,218.9	5,615.6	5,287.3	5,042.6	4,999.8	5,191.6	5,136.0	5,656.2	5,988.9	6,215.0	67,854.8
	National net consumption	5,578.1	5,193.0	5,404.9	4,860.0	4,601.4	4,404.1	4,333.2	4,412.7	4,350.0	4,772.7	5,103.3	5,294.8	58,308.3

3.8 Year-on-year change in electricity consumption [GWh]

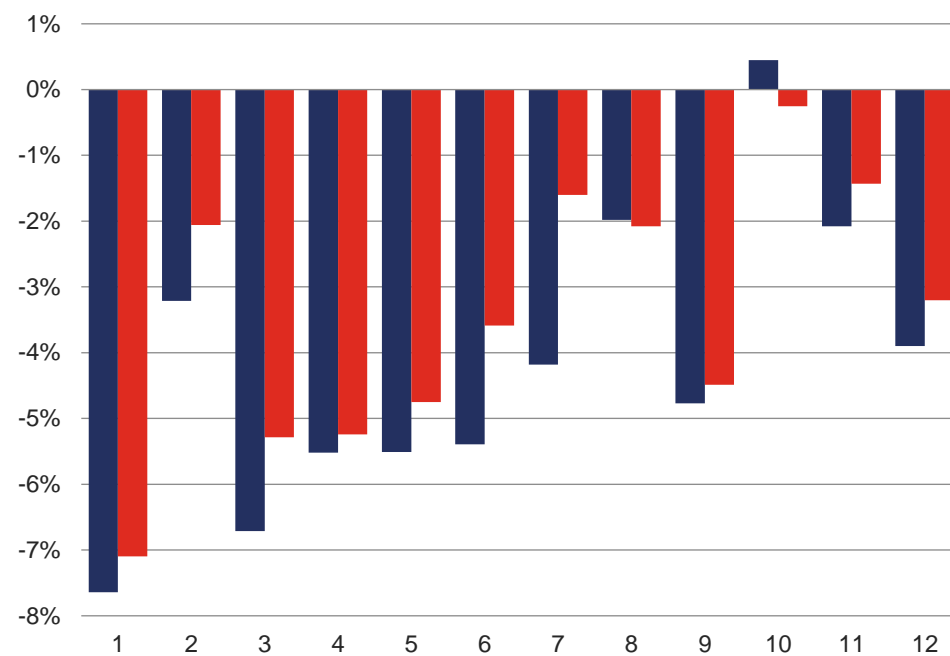
	January	February	March	April	May	June	July	August	September	October	November	December	Total
National gross consumption in 2022	7,036.3	6,203.6	6,666.4	5,943.6	5,595.5	5,330.0	5,218.0	5,296.5	5,393.3	5,631.1	6,116.0	6,467.0	70,897.4
National gross consumption in 2023	6,498.6	6,004.4	6,218.9	5,615.6	5,287.3	5,042.6	4,999.8	5,191.6	5,136.0	5,656.2	5,988.9	6,215.0	67,854.8
Year-on-year gross change in NGC	-537.7	-199.2	-447.5	-328.1	-308.2	-287.5	-218.2	-104.9	-257.3	25.1	-127.1	-252.0	-3,042.6
Year-on-year change in NGC	-7.6%	-3.2%	-6.7%	-5.5%	-5.5%	-5.4%	-4.2%	-2.0%	-4.8%	0.4%	-2.1%	-3.9%	-4.3%
National net consumption in 2022	6,004.3	5,302.0	5,706.5	5,129.0	4,830.9	4,567.9	4,403.6	4,506.5	4,554.3	4,784.7	5,177.3	5,470.0	60,437.2
National net consumption in 2023	5,578.1	5,193.0	5,404.9	4,860.0	4,601.4	4,404.1	4,333.2	4,412.7	4,350.0	4,772.7	5,103.3	5,294.8	58,308.3
Year-on-year net change in NNC	-426.2	-109.0	-301.6	-269.0	-229.5	-163.8	-70.4	-93.8	-204.3	-12.0	-74.0	-175.2	-2,128.8
Year-on-year change in NNC	-7.1%	-2.1%	-5.3%	-5.2%	-4.7%	-3.6%	-1.6%	-2.1%	-4.5%	-0.3%	-1.4%	-3.2%	-3.5%

Electricity consumption [GWh]



..... National gross consumption in 2022 — National gross consumption in 2023
 National net consumption in 2022 — National net consumption in 2023

Year-on-year change in electricity consumption [%]



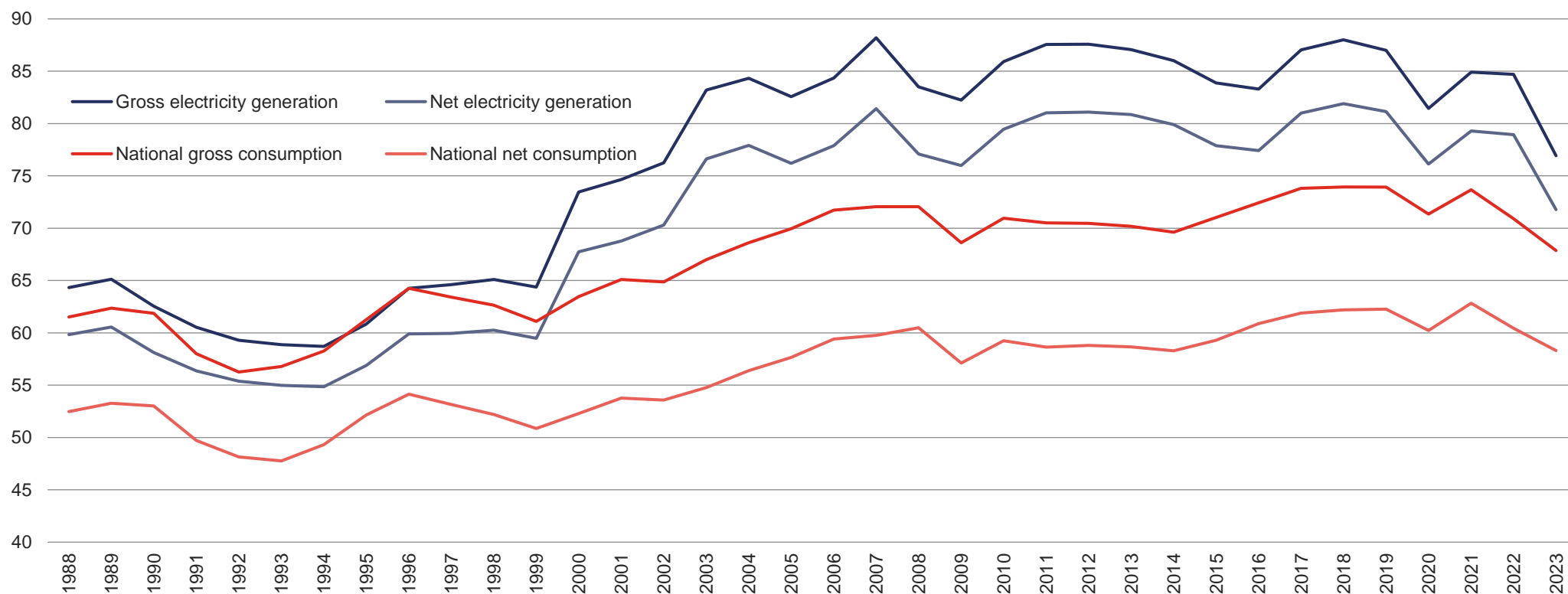
■ Year-on-year change in national gross consumption
 ■ Year-on-year change in national net consumption

3.9 Long-term development in electricity generation and consumption [TWh]

	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Gross electricity generation	64.34	65.13	62.56	60.53	59.29	58.88	58.71	60.85	64.26	64.60	65.11	64.37	73.47	74.65	76.26	83.21	84.33	82.58
Net electricity generation	59.82	60.57	58.11	56.38	55.37	54.98	54.85	56.88	59.90	59.96	60.26	59.47	67.74	68.78	70.30	76.63	77.92	76.19
National gross consumption	61.52	62.35	61.87	58.00	56.26	56.78	58.26	61.27	64.25	63.41	62.65	61.09	63.45	65.11	64.87	66.99	68.62	69.95
National net consumption	52.48	53.27	53.02	49.71	48.15	47.77	49.31	52.16	54.15	53.16	52.20	50.86	52.29	53.78	53.58	54.78	56.39	57.66

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gross electricity generation	84.36	88.20	83.52	82.25	85.91	87.56	87.57	87.07	86.01	83.89	83.31	87.04	88.00	86.99	81.45	84.91	84.70	76.94
Net electricity generation	77.88	81.41	77.09	75.99	79.47	81.03	81.09	80.86	79.90	77.89	77.42	81.01	81.90	81.15	76.13	79.30	78.95	71.79
National gross consumption	71.73	72.05	72.05	68.61	70.96	70.52	70.45	70.18	69.62	71.02	72.42	73.82	73.94	73.93	71.35	73.67	70.90	67.85
National net consumption	59.42	59.75	60.48	57.11	59.26	58.63	58.80	58.66	58.30	59.28	60.88	61.88	62.20	62.27	60.24	62.83	60.44	58.31

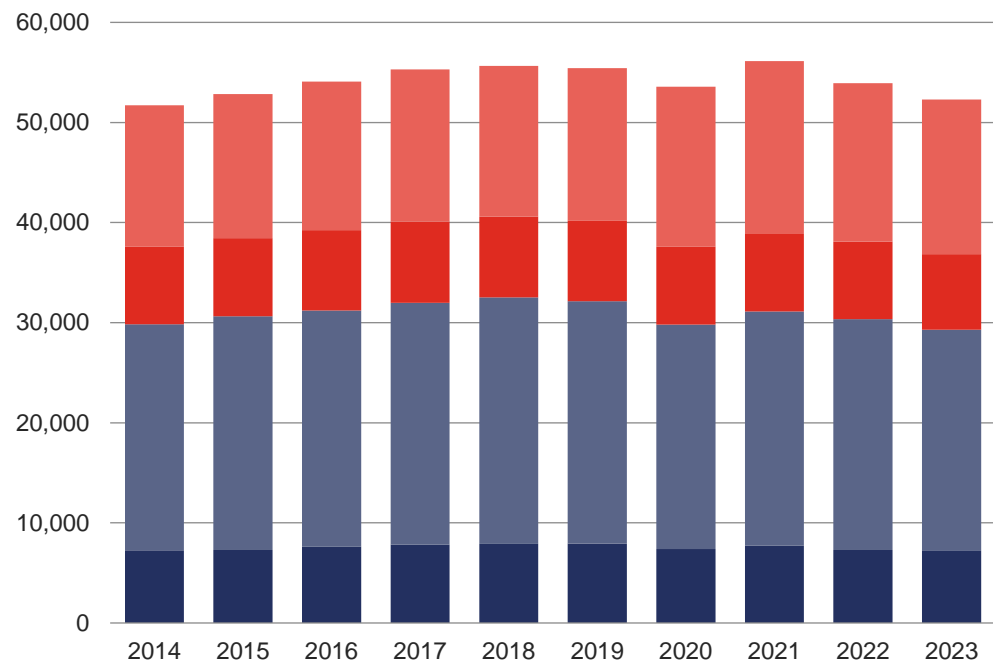
Long-term development in electricity generation and consumption [TWh]



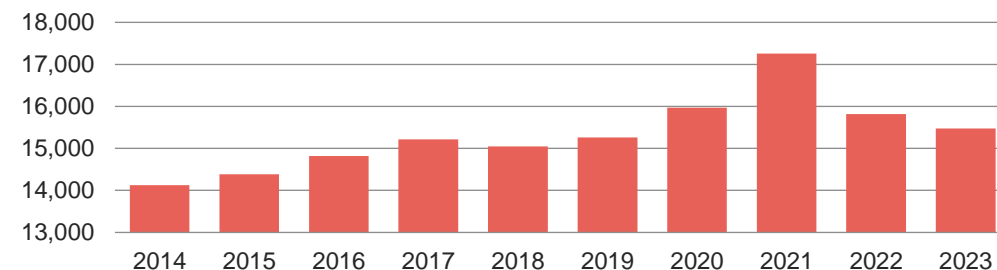
3.10 Development of electricity consumption by demand category [GWh]

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total	51,711.8	52,832.0	54,070.3	55,313.8	55,638.0	55,434.5	53,562.5	56,131.9	53,922.0	52,309.0
■ High demand from EHV (HD_EHV)	7,266.1	7,296.4	7,616.4	7,821.8	7,897.8	7,921.7	7,397.9	7,736.3	7,307.4	7,202.3
■ High demand from HV (HD_HV)	22,587.5	23,354.1	23,607.4	24,171.8	24,626.6	24,236.4	22,402.7	23,387.0	23,042.3	22,095.5
■ Low demand businesses (LD_B)	7,733.7	7,799.7	8,027.3	8,109.0	8,064.0	8,019.5	7,789.4	7,748.7	7,756.5	7,534.5
■ Low demand households (LD_H)	14,124.6	14,381.9	14,819.1	15,211.3	15,049.5	15,256.8	15,972.5	17,260.0	15,815.6	15,476.7

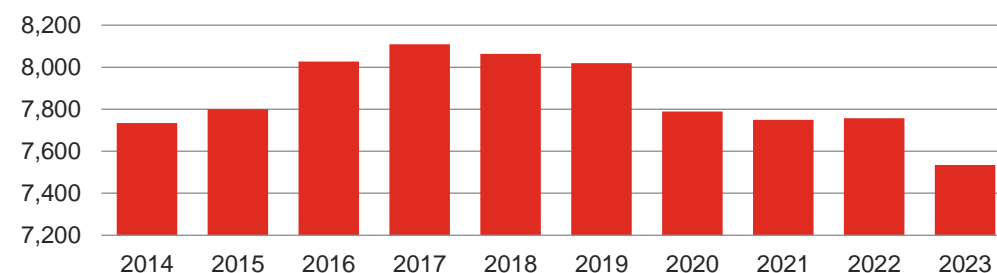
High demand and low demand electricity consumption [GWh]



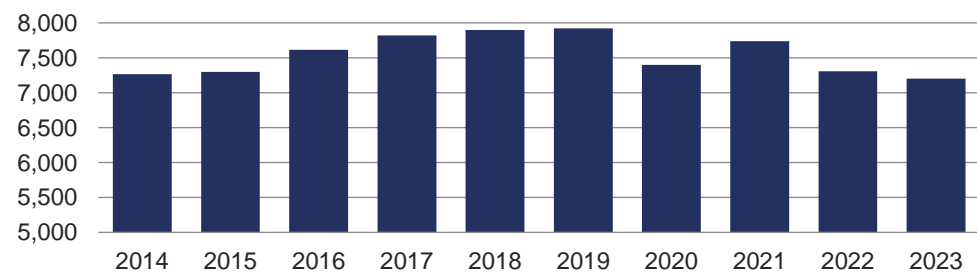
Low demand households (LD_H)



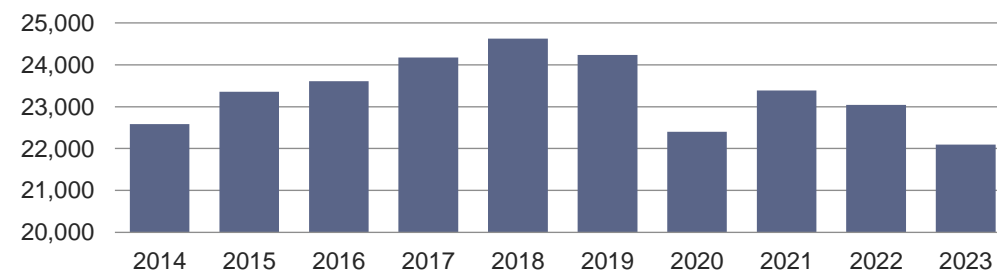
Low demand businesses (LD_B)



High demand from EHV (HD_EHV)



High demand from HV (HD_HV)



4 ELECTRICITY GENERATION AND CONSUMPTION IN CZECH REGIONS AND REGIONAL DISTRIBUTION SYSTEMS

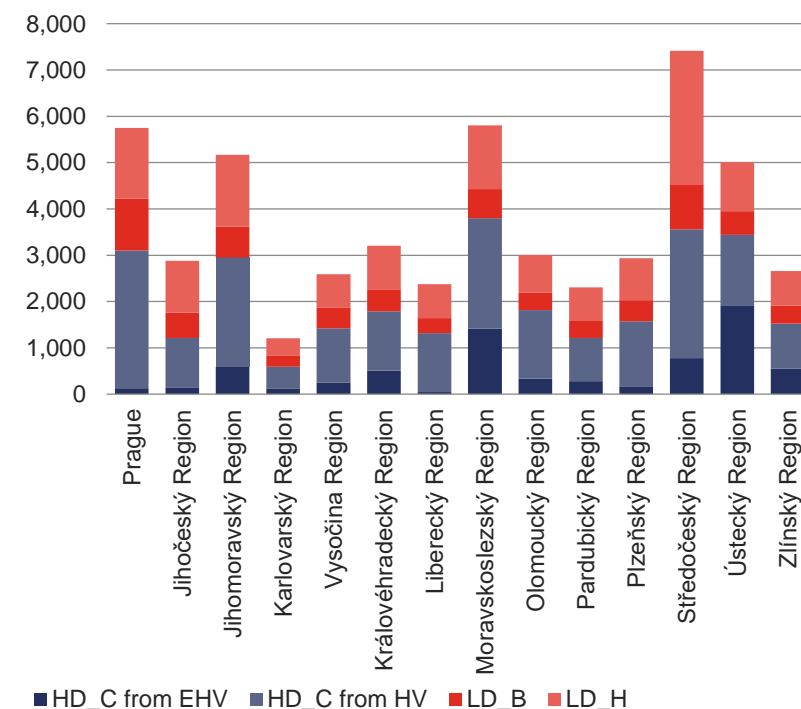
4.1 Gross electricity generation in Czech Regions by generating technology [MWh]

	NPP	TPS	CC	GFPS	HE	PSHE	WPP	PV	Total
Total Czech Republic	30,410,463.9	33,711,141.4	2,088,870.1	3,706,873.4	2,362,978.0	1,064,433.6	701,641.0	2,892,065.6	76,938,467.0
Prague	0.0	102,509.39	0.0	84,841.1	46,772.1	0.0	0.0	37,172.3	271,294.8
Jihočeský Region	16,082,865.6	457,656.28	0.0	303,045.4	281,699.6	0.0	1.7	315,696.3	17,440,964.8
Jihomoravský Region	0.0	410,123.17	241,332.9	331,558.7	75,413.2	0.0	13,960.9	590,067.8	1,662,456.6
Karlovarský Region	0.0	1,582,135.42	183,112.7	72,779.6	23,662.2	0.0	148,297.3	26,380.2	2,036,367.3
Vysočina Region	14,327,598.3	64,380.88	0.0	490,262.5	69,691.3	412,579.6	23,475.0	139,330.5	15,527,318.2
Královéhradecký Region	0.0	550,419.61	0.0	344,296.1	105,451.3	0.0	20,589.8	135,337.7	1,156,094.5
Liberecký Region	0.0	26,285.98	0.0	96,934.7	75,887.0	0.0	110,889.3	130,815.9	440,812.9
Moravskoslezský Region	0.0	2,975,032.19	0.0	456,777.4	58,968.2	0.0	77,980.8	134,304.2	3,703,062.7
Olomoucký Region	0.0	180,434.40	0.0	296,328.8	40,387.2	601,175.6	96,249.7	158,968.8	1,373,544.5
Pardubický Region	0.0	3,964,093.43	0.0	335,040.7	75,534.5	0.0	16,533.4	137,919.9	4,529,122.1
Plzeňský Region	0.0	649,964.47	0.0	251,809.6	84,959.3	0.0	10,612.7	262,856.9	1,260,202.9
Středočeský Region	0.0	4,659,983.01	0.0	390,439.8	1,087,200.1	50,678.4	7,475.5	398,715.0	6,594,491.8
Ústecký Region	0.0	17,809,693.50	1,664,424.5	145,954.5	307,676.5	0.0	175,314.3	205,105.4	20,308,168.7
Zlínský Region	0.0	278,429.67	0.0	106,804.5	29,675.5	0.0	260.6	219,394.7	634,565.0

4.2 Net electricity consumption in Czech Regions by demand category [MWh]

	HD_C from EHV	HD_C from HV	LD_B	LD_H	Total
Total Czech Republic	7,202,293.8	22,095,521.2	7,534,504.1	15,476,669.5	52,308,988.6
Prague	125,149.6	2,974,008.2	1,124,970.5	1,526,541.0	5,750,669.4
Jihočeský Region	133,657.7	1,077,713.3	550,170.8	1,118,996.9	2,880,538.7
Jihomoravský Region	591,540.2	2,358,732.8	672,417.0	1,542,050.7	5,164,740.7
Karlovarský Region	114,105.2	478,688.8	236,088.0	380,462.1	1,209,344.0
Vysočina Region	243,625.3	1,176,381.5	440,984.3	725,982.5	2,586,973.7
Královéhradecký Region	508,580.7	1,280,297.4	464,269.6	949,361.1	3,202,508.7
Liberecký Region	47,193.1	1,266,728.8	330,973.8	733,614.6	2,378,510.3
Moravskoslezský Region	1,415,414.2	2,383,407.0	631,658.6	1,374,949.9	5,805,429.7
Olomoucký Region	335,347.5	1,480,188.4	379,932.6	806,602.7	3,002,071.2
Pardubický Region	280,243.7	933,310.2	367,799.3	726,147.8	2,307,501.0
Plzeňský Region	157,228.6	1,418,697.3	455,761.2	902,045.0	2,933,732.2
Středočeský Region	781,410.4	2,774,391.7	978,099.0	2,883,663.9	7,417,565.0
Ústecký Region	1,921,811.2	1,514,649.0	517,328.1	1,057,160.8	5,010,949.0
Zlínský Region	546,986.3	978,326.9	384,051.4	749,090.3	2,658,454.9

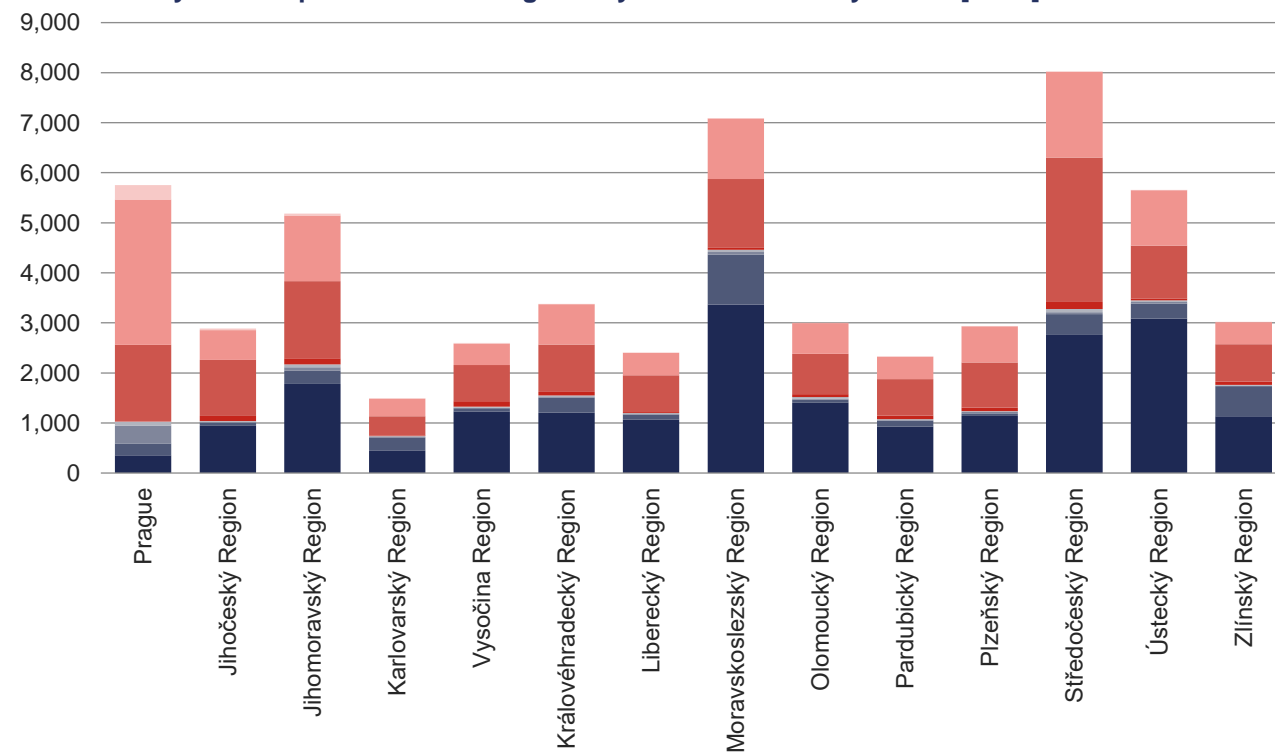
Net electricity consumption in Czech Regions [GWh]



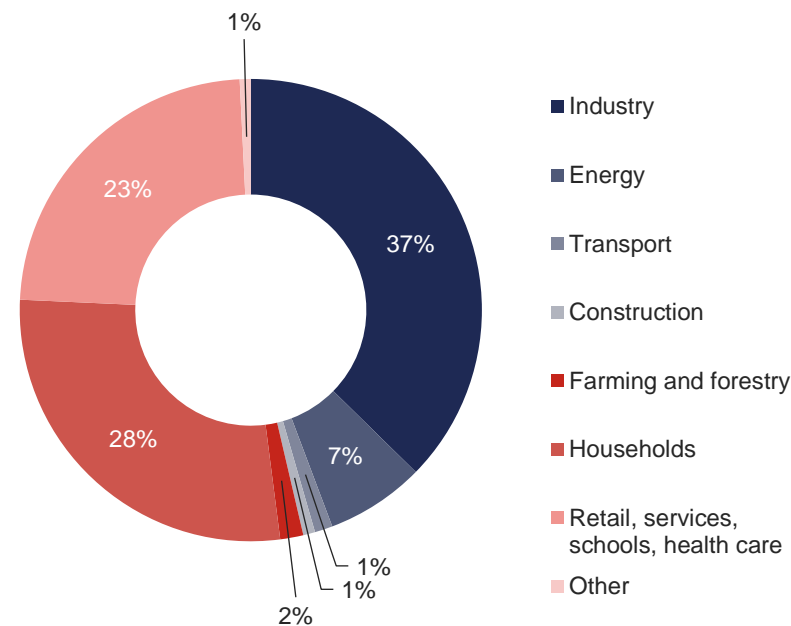
4.3 Net electricity consumption in Czech Regions by national economy sector [MWh]

	Industry	Energy	Transport	Construction	Farming and forestry	Households	Retail, services, schools, health care	Other	Total
Total Czech Republic	20,825,927.0	3,858,795.5	697,524.8	464,274.9	901,921.5	15,476,885.8	13,109,054.1	430,558.8	55,764,942.5
Prague	352,720.8	236,165.9	361,684.3	74,250.7	8,263.1	1,526,541.0	2,903,071.9	292,006.5	5,754,704.2
Jihočeský Region	940,930.6	67,321.8	14,863.7	16,734.3	98,806.5	1,118,996.9	595,797.7	33,080.8	2,886,532.3
Jihomoravský Region	1,781,104.7	264,196.3	68,784.4	59,335.9	120,228.2	1,542,056.3	1,313,178.7	33,356.6	5,182,241.0
Karlovarský Region	440,694.0	270,386.3	8,401.5	19,573.4	12,215.6	380,465.4	356,282.8	2,783.7	1,490,802.8
Vysočina Region	1,228,822.4	67,145.9	8,371.8	20,831.1	108,615.5	726,007.7	419,053.7	20,993.3	2,599,841.3
Královéhradecký Region	1,204,375.6	301,316.8	24,918.0	21,353.3	66,101.7	949,389.3	805,588.9	4,416.0	3,377,459.4
Liberecký Region	1,064,511.4	100,378.6	14,674.9	19,990.6	20,298.8	733,614.6	446,331.4	1,186.0	2,400,986.2
Moravskoslezský Region	3,367,436.6	997,040.3	53,890.2	42,445.2	40,716.7	1,375,001.4	1,208,471.5	5,281.4	7,090,283.3
Olomoucký Region	1,402,774.1	66,503.4	14,966.6	33,625.6	55,492.4	806,602.7	619,288.3	5,650.0	3,004,903.1
Pardubický Region	928,046.8	113,848.3	17,219.2	18,675.7	70,939.5	726,166.1	450,276.6	7,378.3	2,332,550.5
Plzeňský Region	1,138,171.3	54,850.0	28,596.0	18,385.3	69,998.1	902,045.0	722,843.7	3,232.7	2,938,122.2
Středočeský Region	2,759,298.3	415,216.9	36,263.0	69,647.0	136,702.8	2,883,748.2	1,719,661.5	5,817.3	8,026,355.0
Ústecký Region	3,083,127.2	304,011.9	30,573.3	33,931.3	35,194.2	1,057,160.8	1,108,285.3	4,617.1	5,656,901.0
Zlínský Region	1,133,913.3	600,413.0	14,318.0	15,495.6	58,348.3	749,090.3	440,922.1	10,759.3	3,023,260.0

Net electricity consumption in Czech Regions by national economy sector [GWh]



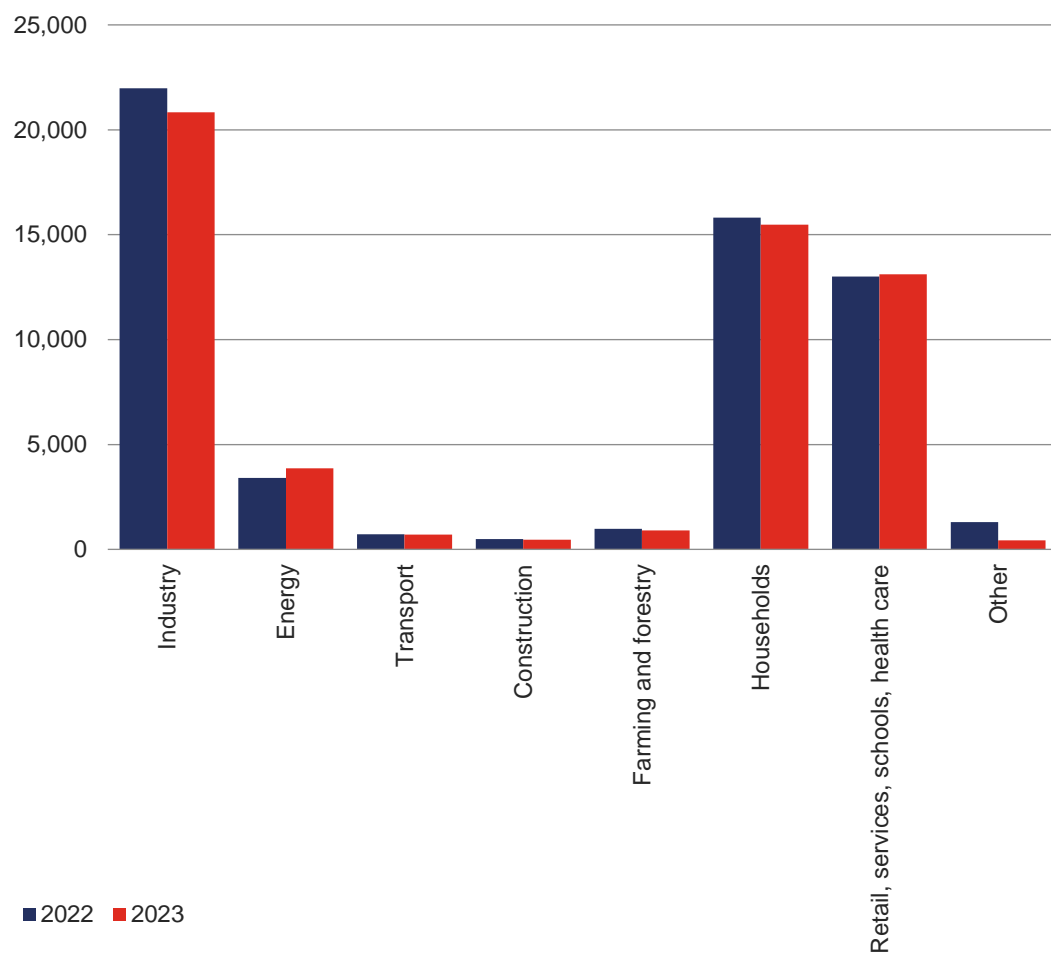
National economy sectors' shares of total electricity consumption in the Czech Republic



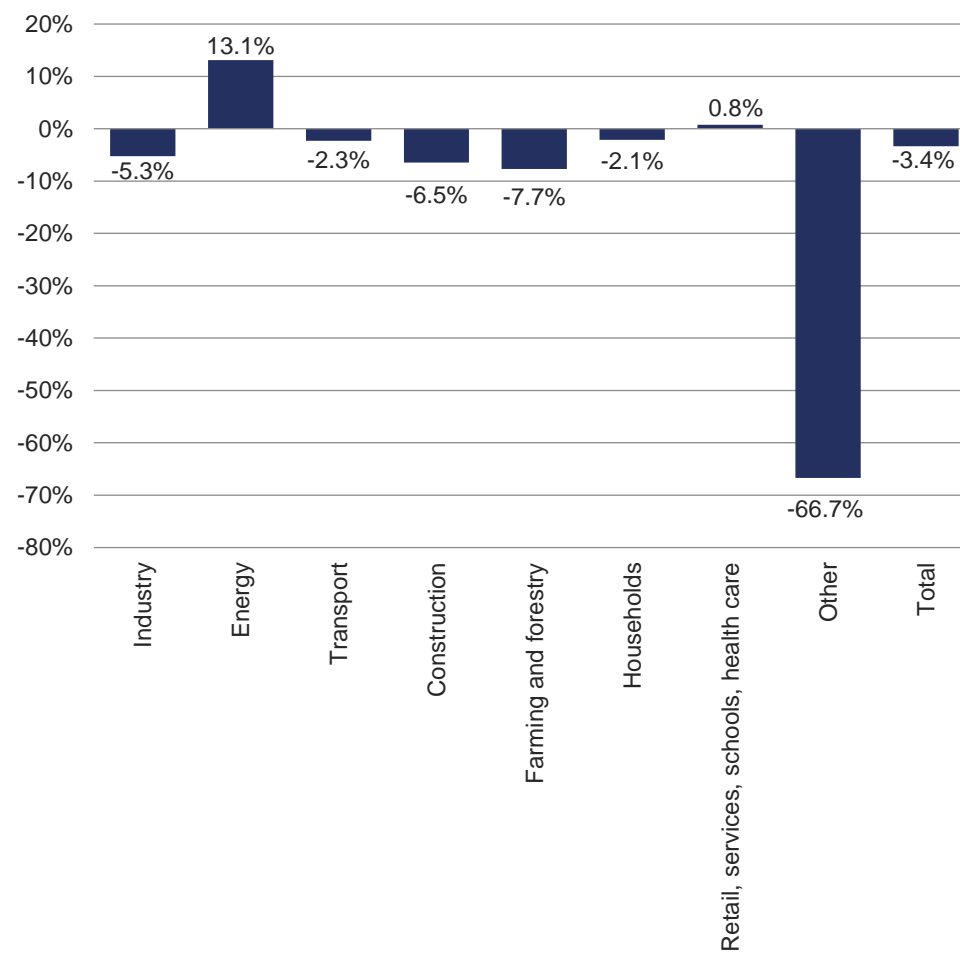
4.4 Year-on-year change in net electricity consumption by national economy sector [GWh]

	Industry	Energy	Transport	Construction	Farming and forestry	Households	Retail, services, schools, health care	Other	Total
Net electricity consumption in 2022	21,981.7	3,412.2	713.8	496.4	977.1	15,815.9	13,009.7	1,292.5	57,699.3
Net electricity consumption in 2023	20,825.9	3,858.8	697.5	464.3	901.9	15,476.9	13,109.1	430.6	55,764.9
Year-on-year change	-1,155.8	446.6	-16.3	-32.1	-75.2	-339.0	99.3	-861.9	-1,934.4
Year-on-year change	-5.3%	13.1%	-2.3%	-6.5%	-7.7%	-2.1%	0.8%	-66.7%	-3.4%

Net electricity consumption [GWh]



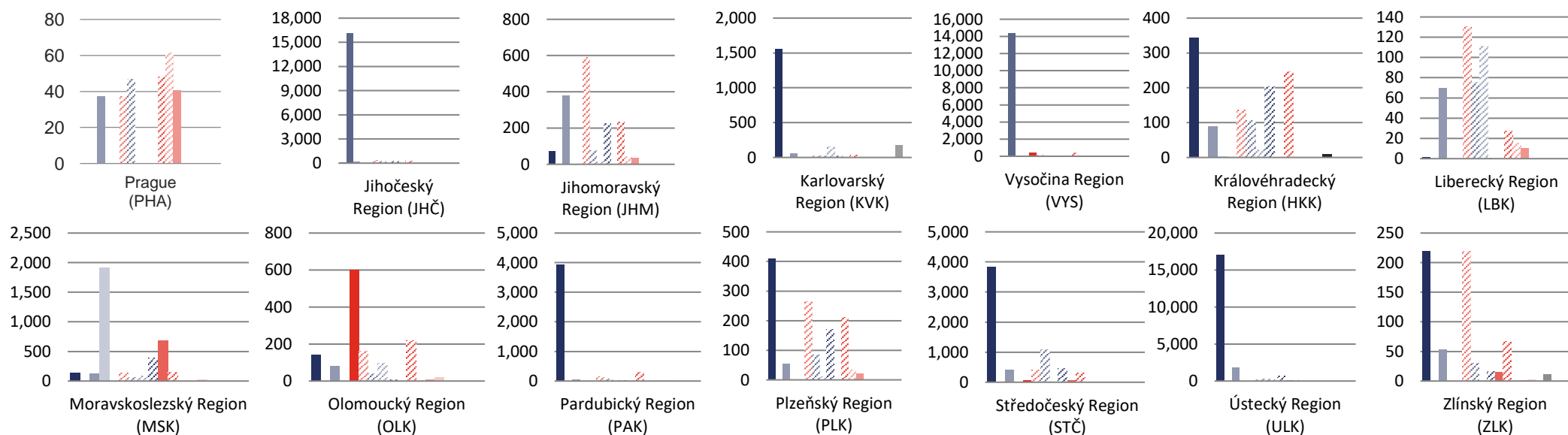
Year-on-year change [%]



4.5 Fuels and technologies in gross electricity generation in Czech Regions [GWh]

	PHA	JHČ	JHM	KVK	VYS	HKK	LBK	MSK	OLK	PAK	PLK	STČ	ULK	ZLK	Total
Gross electricity generation	271.3	17,441.0	1,662.5	2,036.4	15,527.3	1,156.1	440.8	3,703.1	1,373.5	4,529.1	1,260.2	6,594.5	20,308.2	634.6	76,938.5
■ Brown coal	0.0	119.8	73.6	1,553.6	13.3	342.9	1.1	133.6	140.9	3,931.4	409.2	3,825.9	17,035.9	219.2	27,800.5
■ Nuclear fuel	0.0	16,082.9	0.0	0.0	14,327.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30,410.5
⊘ Renewable energy sources (RES)	193.1	1,073.5	1,175.9	252.9	711.7	711.0	360.1	817.1	519.2	529.0	773.3	2,243.6	1,452.8	333.2	11,146.4
■ Natural gas	37.4	164.3	377.0	56.5	60.8	89.4	69.5	127.6	83.2	52.4	54.6	403.3	1,763.0	53.0	3,392.1
■ Hard coal	0.0	0.0	0.8	0.0	0.0	3.2	0.0	1,910.8	0.1	0.0	0.0	0.0	3.5	0.2	1,918.6
■ Pumped storage	0.0	0.0	0.0	0.0	412.6	0.0	0.0	0.0	601.2	0.0	0.0	50.7	0.0	0.0	1,064.4
■ Other gases	0.0	0.0	0.0	2.0	0.0	0.0	0.0	686.0	0.0	0.0	0.0	61.5	51.5	14.6	815.7
■ Other solid fuels (excluding BDMW)	40.8	0.0	33.4	0.0	0.0	0.0	10.1	1.1	8.5	0.0	22.9	0.0	0.5	0.5	117.8
■ Waste heat	0.0	0.0	0.0	0.0	0.1	0.0	0.0	26.1	19.6	12.9	0.0	0.4	0.0	2.3	61.4
■ Fuel oils	0.0	0.5	1.4	0.0	1.2	9.6	0.0	0.7	0.8	3.4	0.2	6.1	0.9	0.2	25.0
■ Other liquid fuels	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	3.0	0.1	11.3	14.6
■ Other	0.0	0.0	0.3	171.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	171.6
■ Coke	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total RES [MWh]	193.1	1,073.5	1,175.9	252.9	711.7	711.0	360.1	817.1	519.2	529.0	773.3	2,243.6	1,452.8	333.2	11,146.4
⊘ Biomass	0.0	221.6	224.9	16.6	51.0	203.1	0.1	392.6	7.4	7.5	170.4	450.7	676.2	16.5	2,438.5
⊘ Biogas	47.9	254.5	231.7	38.0	428.2	246.5	27.3	153.3	216.3	291.6	210.4	299.5	88.5	67.3	2,601.0
⊘ Hydro	46.8	281.7	75.4	23.7	69.7	105.5	75.9	59.0	40.4	75.5	85.0	1,087.2	307.7	29.7	2,363.0
⊘ Photovoltaic	37.2	315.7	590.1	26.4	139.3	135.3	130.8	134.3	159.0	137.9	262.9	398.7	205.1	219.4	2,892.1
⊘ Wind	0.0	0.0	14.0	148.3	23.5	20.6	110.9	78.0	96.2	16.5	10.6	7.5	175.3	0.3	701.6
⊘ BDMW	61.2	0.0	39.9	0.0	0.0	0.0	15.1	0.0	0.0	0.0	34.0	0.0	0.0	0.0	150.2
Share of RES ¹⁾	71.2%	6.2%	70.7%	12.4%	4.6%	61.5%	81.7%	22.1%	37.8%	11.7%	61.4%	34.0%	7.2%	52.5%	14.5%

¹⁾ Gross RES electricity generation's simple percentage of total gross electricity generation



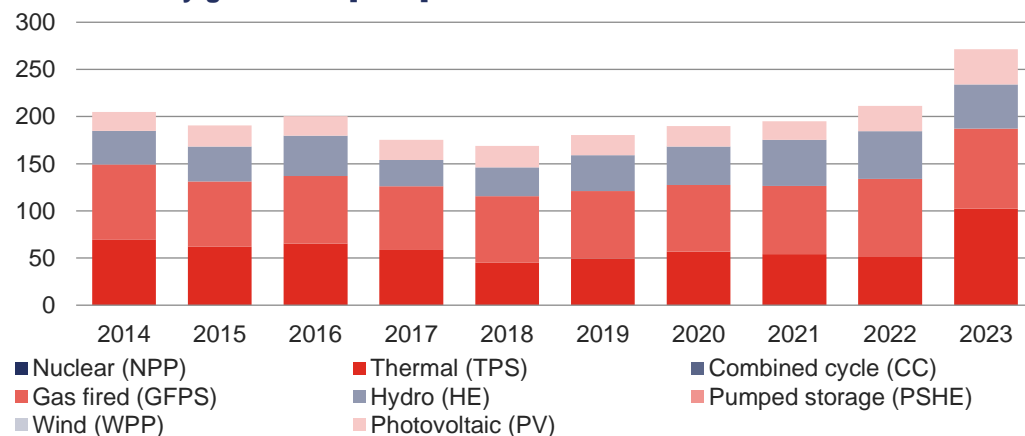
4.6 Installed capacity and electricity generation and consumption in each of the Czech Regions

4.6.1 Installed capacity, generation, and consumption: Prague

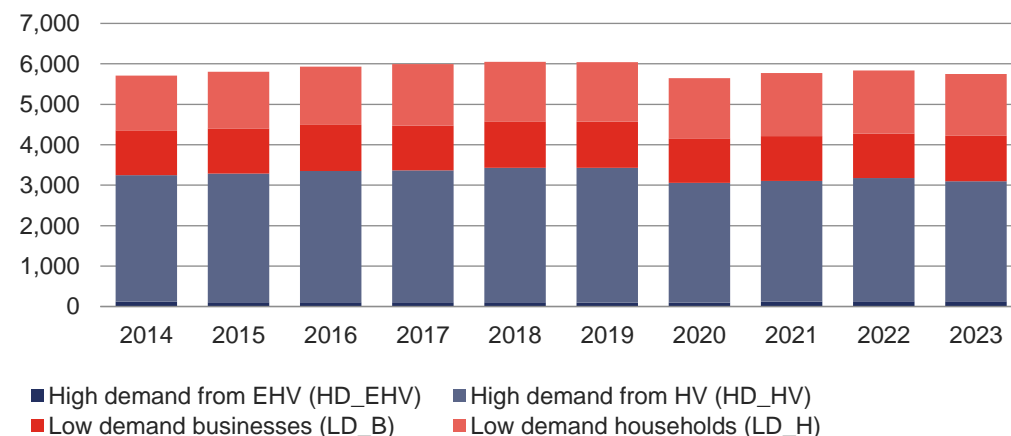


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	200.2	200.4	200.0	200.0	200.4	200.7	200.3	201.1	86.1	118.3
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	148.1	148.1	147.9	147.9	147.9	147.9	147.9	147.9	17.4	17.4
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	17.4	17.4	18.0	18.1	18.5	18.7	19.2	20.0	27.0	36.4
Hydro (HE)	11.8	11.8	11.8	11.8	11.8	11.9	11.2	11.2	11.2	11.2
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Photovoltaic (PV)	22.9	23.0	22.2	22.1	22.0	22.0	21.9	22.0	30.4	53.3
Gross electricity generation [MWh]	205,012.8	190,669.3	200,541.5	175,359.8	168,935.7	180,579.7	189,995.6	195,170.7	211,201.6	271,294.8
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	69,807.0	61,998.8	65,251.6	58,492.1	45,068.2	49,340.3	56,735.0	54,164.7	50,940.4	102,509.4
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	79,348.4	69,053.8	71,582.1	67,533.8	70,550.5	71,751.6	70,640.9	72,248.9	82,924.5	84,841.1
Hydro (HE)	35,530.2	37,311.9	42,826.0	27,987.3	30,565.1	37,801.0	40,911.7	48,796.4	50,660.5	46,772.1
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Photovoltaic (PV)	20,327.2	22,304.8	20,881.7	21,346.6	22,751.8	21,686.8	21,708.0	19,960.7	26,676.3	37,172.3
Net electricity consumption [MWh]	5,708,569.3	5,806,893.4	5,929,511.2	5,992,438.8	6,049,969.9	6,041,476.4	5,643,829.6	5,776,062.4	5,836,504.3	5,750,669.4
High demand from EHV (HD_EHV)	117,957.9	102,510.9	104,335.7	103,935.0	101,662.1	100,775.5	98,231.0	121,407.8	129,845.7	125,149.6
High demand from HV (HD_HV)	3,133,518.0	3,188,271.9	3,245,571.1	3,266,157.7	3,328,652.5	3,327,419.8	2,956,160.8	2,980,088.5	3,045,119.1	2,974,008.2
Low demand businesses (LD_B)	1,102,000.0	1,114,661.0	1,142,440.0	1,103,400.0	1,147,500.0	1,139,400.0	1,106,000.0	1,115,000.0	1,105,461.8	1,124,970.5
Low demand households (LD_H)	1,355,093.4	1,401,449.6	1,437,164.3	1,518,946.2	1,472,155.3	1,473,881.1	1,483,437.8	1,559,566.1	1,556,077.7	1,526,541.0

Gross electricity generation [GWh]



Net electricity consumption [GWh]

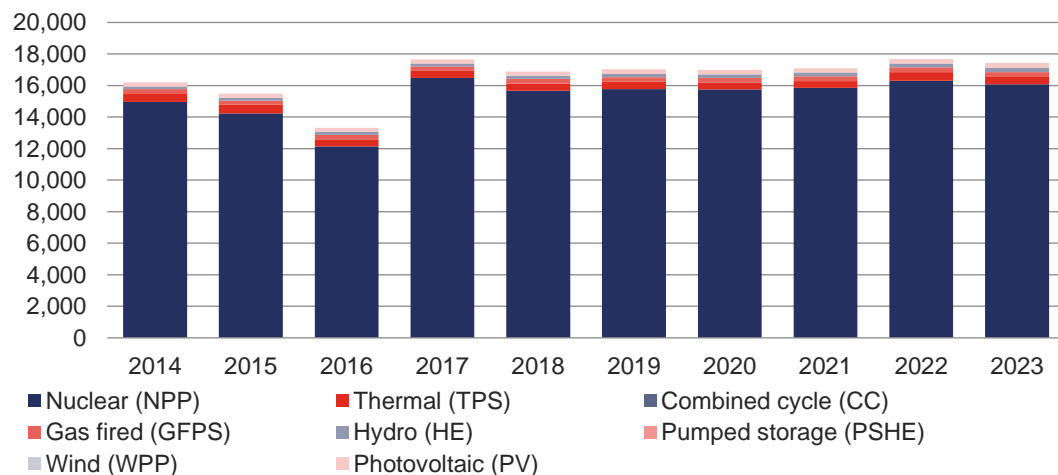


4.6.2 Installed capacity, generation, and consumption: Jihočeský Region

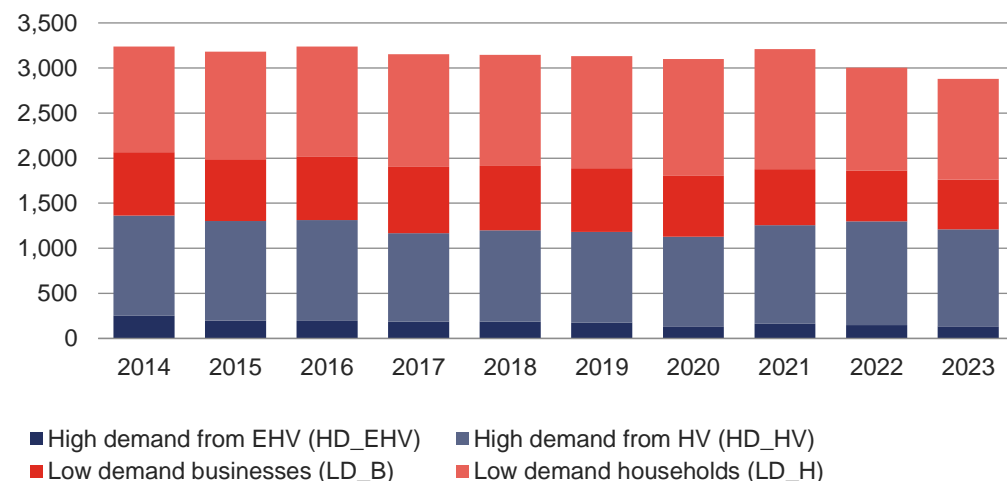


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	2,907.6	2,939.9	2,899.9	2,910.3	2,911.4	2,920.0	2,946.0	2,941.4	2,967.2	3,039.5
Nuclear (NPP)	2,250.0	2,250.0	2,250.0	2,250.0	2,250.0	2,250.0	2,250.0	2,250.0	2,250.0	2,250.0
Thermal (TPS)	205.3	235.5	194.4	194.5	194.5	200.4	223.0	215.4	215.4	215.4
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	44.8	45.9	47.4	47.0	47.3	49.5	50.5	52.9	53.5	56.2
Hydro (HE)	165.7	166.2	165.9	175.9	176.2	176.3	176.8	176.5	176.9	176.5
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Photovoltaic (PV)	241.9	242.3	242.1	243.0	243.6	243.8	245.7	246.5	271.3	341.4
Gross electricity generation [MWh]	16,191,893.2	15,498,937.6	13,318,802.7	17,664,695.6	16,893,374.0	17,030,104.8	16,983,114.8	17,091,868.5	17,688,492.3	17,440,964.8
Nuclear (NPP)	14,953,985.4	14,232,842.5	12,149,527.5	16,478,932.1	15,663,054.4	15,764,588.5	15,746,247.8	15,862,733.4	16,294,192.1	16,082,865.6
Thermal (TPS)	550,901.7	542,952.1	439,426.7	450,130.8	463,739.8	476,824.5	441,575.7	425,993.4	560,250.5	457,656.3
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	264,894.2	273,228.2	278,779.6	288,834.5	287,618.5	276,478.3	291,886.5	303,425.2	300,108.2	303,045.4
Hydro (HE)	171,282.9	185,149.7	197,519.3	180,391.8	206,749.2	240,490.1	234,867.9	241,513.4	247,573.4	281,699.6
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.7
Photovoltaic (PV)	250,829.0	264,765.1	253,549.7	266,406.4	272,212.1	271,723.4	268,536.9	258,203.0	286,365.8	315,696.3
Net electricity consumption [MWh]	3,238,827.3	3,179,521.2	3,239,474.1	3,153,127.5	3,147,365.8	3,132,914.9	3,101,045.5	3,208,010.5	3,001,943.9	2,880,538.7
High demand from EHV (HD_EHV)	251,794.8	198,320.2	194,509.9	188,164.0	186,128.0	178,058.9	135,746.9	162,568.4	149,593.1	133,657.7
High demand from HV (HD_HV)	1,112,605.0	1,104,222.4	1,118,679.9	979,800.2	1,014,048.2	1,002,276.3	991,766.8	1,094,676.6	1,150,835.6	1,077,713.3
Low demand businesses (LD_B)	702,707.2	684,146.2	706,450.5	735,505.7	713,212.5	707,325.0	674,003.8	619,042.8	561,511.1	550,170.8
Low demand households (LD_H)	1,171,720.2	1,192,832.5	1,219,833.7	1,249,657.6	1,233,977.1	1,245,254.7	1,299,528.1	1,331,722.8	1,140,004.1	1,118,996.9

Gross electricity generation [GWh]



Net electricity consumption [GWh]

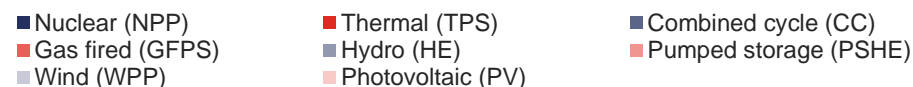
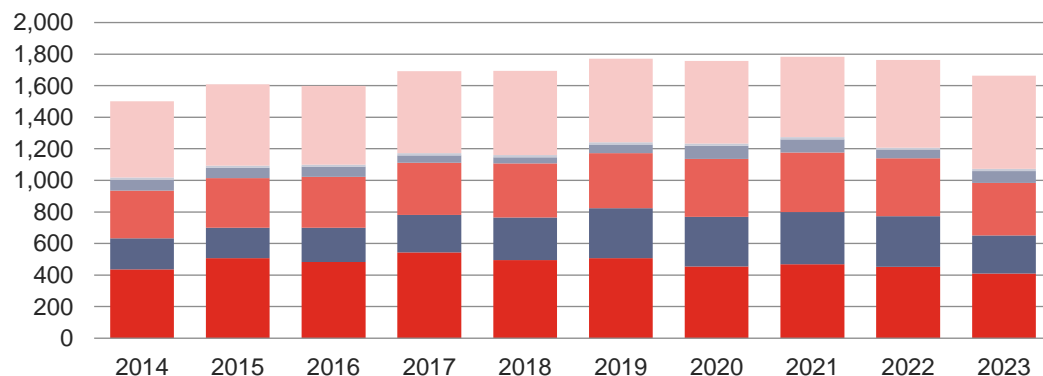


4.6.3 Installed capacity, generation, and consumption: Jihomoravský Region

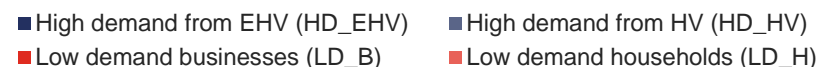
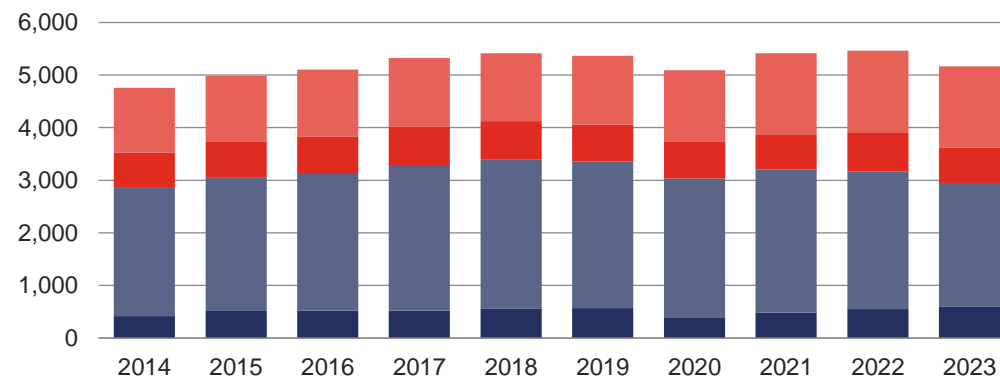


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	912.1	914.7	901.7	900.0	906.5	911.8	915.2	915.8	961.5	1,080.1
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	244.3	244.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3
Combined cycle (CC)	118.0	118.0	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5
Gas fired (GFPS)	60.5	61.4	66.1	64.5	71.8	74.4	76.8	78.5	82.1	88.0
Hydro (HE)	33.6	34.5	34.6	34.4	34.3	34.2	34.1	34.4	35.2	35.1
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Photovoltaic (PV)	447.2	448.0	447.9	447.9	447.2	449.9	451.1	449.7	491.0	603.8
Gross electricity generation [MWh]	1,502,052.1	1,609,483.2	1,598,183.5	1,691,411.4	1,694,081.1	1,770,048.5	1,756,288.7	1,782,966.6	1,763,537.9	1,662,456.6
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	435,587.9	507,321.7	483,452.8	544,474.9	495,626.3	507,412.8	455,377.8	467,877.1	453,001.7	410,123.2
Combined cycle (CC)	196,599.6	193,020.1	216,253.2	236,256.1	268,997.1	316,764.3	314,496.0	331,271.0	320,033.6	241,332.9
Gas fired (GFPS)	303,921.7	313,095.9	321,864.4	330,239.7	343,711.7	347,669.8	365,601.2	377,686.3	366,494.3	331,558.7
Hydro (HE)	68,921.5	65,353.8	65,216.1	47,367.1	37,513.6	55,455.2	83,124.7	83,662.1	54,320.7	75,413.2
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	12,556.3	13,836.9	11,988.2	14,817.8	14,207.5	14,963.8	14,185.0	12,977.9	13,710.9	13,960.9
Photovoltaic (PV)	484,465.1	516,854.7	499,408.8	518,255.8	534,024.9	527,782.7	523,504.0	509,492.2	555,976.7	590,067.8
Net electricity consumption [MWh]	4,757,727.3	4,990,959.4	5,107,835.1	5,323,765.8	5,416,420.4	5,364,891.6	5,095,107.7	5,413,802.3	5,464,199.2	5,164,740.7
High demand from EHV (HD_EHV)	414,517.5	513,265.0	520,968.7	522,944.2	563,032.8	570,897.4	382,250.0	486,627.6	551,125.6	591,540.2
High demand from HV (HD_HV)	2,453,147.8	2,547,947.0	2,597,083.2	2,770,040.6	2,835,160.5	2,783,869.5	2,654,332.0	2,718,597.4	2,619,568.1	2,358,732.8
Low demand businesses (LD_B)	660,626.5	678,159.8	709,864.5	719,569.3	723,468.2	703,532.8	694,987.0	672,813.4	728,762.6	672,417.0
Low demand households (LD_H)	1,229,435.4	1,251,587.6	1,279,918.8	1,311,211.7	1,294,758.8	1,306,591.9	1,363,538.6	1,535,763.9	1,564,742.9	1,542,050.7

Gross electricity generation [GWh]



Net electricity consumption [GWh]

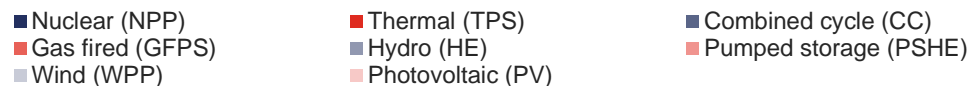
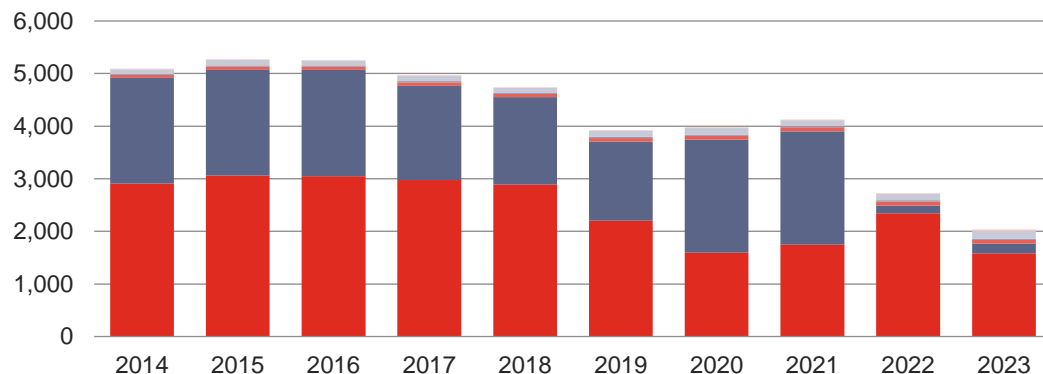


4.6.4 Installed capacity, generation, and consumption: Karlovarský Region

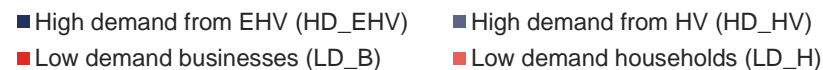
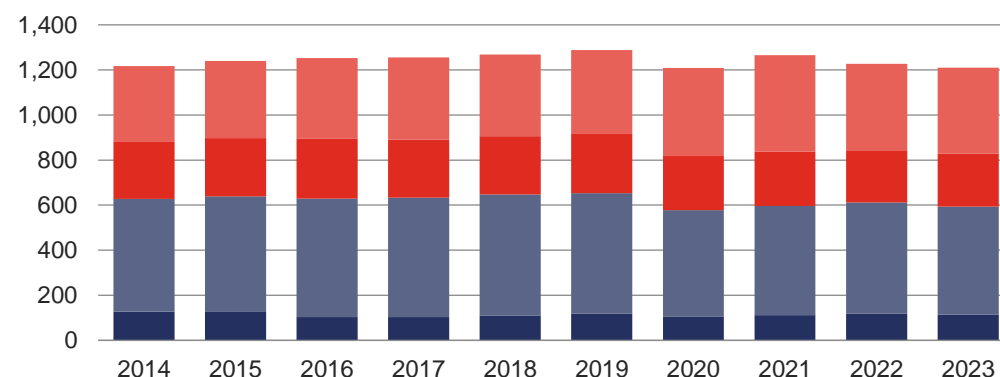


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	1,035.6	1,028.6	1,033.3	1,032.4	1,031.6	1,049.1	1,049.7	1,051.4	1,059.4	1,072.8
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	549.3	542.3	544.8	543.8	543.8	540.0	540.1	539.8	539.8	540.2
Combined cycle (CC)	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0
Gas fired (GFPS)	13.6	13.6	15.4	15.5	14.7	20.3	20.9	22.8	22.8	22.7
Hydro (HE)	7.5	7.5	7.9	7.9	7.9	7.9	7.9	8.0	8.0	7.8
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	52.1	52.1	52.1	52.1	52.1	67.9	67.9	67.9	67.6	67.6
Photovoltaic (PV)	13.0	13.1	13.1	13.1	13.1	12.9	12.9	12.9	21.3	34.5
Gross electricity generation [MWh]	5,092,461.6	5,269,189.9	5,255,796.3	4,970,984.1	4,743,535.5	3,924,551.3	3,979,723.5	4,124,345.3	2,728,571.1	2,036,367.3
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	2,906,639.4	3,057,949.0	3,049,740.2	2,977,613.6	2,888,610.6	2,204,148.7	1,592,270.0	1,748,013.3	2,345,437.2	1,582,135.4
Combined cycle (CC)	2,008,075.3	2,012,546.1	2,019,644.5	1,789,848.8	1,664,274.6	1,503,736.8	2,150,536.1	2,152,733.0	142,858.5	183,112.7
Gas fired (GFPS)	55,734.0	62,628.5	59,913.6	62,991.6	59,617.8	65,551.7	72,643.0	76,355.4	79,135.2	72,779.6
Hydro (HE)	21,276.9	22,076.1	25,024.0	25,729.2	20,190.8	22,868.7	20,186.6	28,159.1	21,635.4	23,662.2
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	88,662.8	101,173.3	89,135.9	102,336.6	96,999.4	114,912.4	131,006.7	107,028.4	122,473.7	148,297.3
Photovoltaic (PV)	12,073.2	12,817.0	12,338.1	12,464.3	13,842.3	13,333.0	13,081.0	12,056.1	17,031.1	26,380.2
Net electricity consumption [MWh]	1,217,332.0	1,239,901.4	1,252,395.5	1,255,039.4	1,267,657.3	1,287,991.6	1,209,036.9	1,266,043.4	1,226,951.3	1,209,344.0
High demand from EHV (HD_EHV)	128,012.6	125,674.6	103,619.1	103,417.2	109,481.6	119,057.4	106,156.7	111,214.4	118,629.6	114,105.2
High demand from HV (HD_HV)	499,654.8	513,190.6	525,219.0	529,467.9	538,517.3	534,686.8	472,116.8	484,909.7	493,684.4	478,688.8
Low demand businesses (LD_B)	256,218.2	258,358.8	267,838.4	257,506.7	257,440.0	264,547.0	239,960.1	241,099.7	230,879.6	236,088.0
Low demand households (LD_H)	333,446.4	342,677.4	355,719.0	364,647.7	362,218.4	369,700.4	390,803.3	428,819.6	383,757.7	380,462.1

Gross electricity generation [GWh]



Net electricity consumption [GWh]

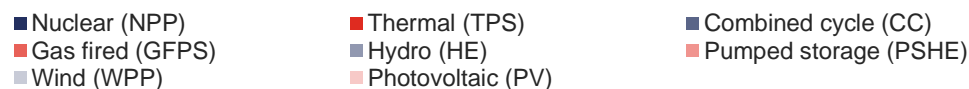
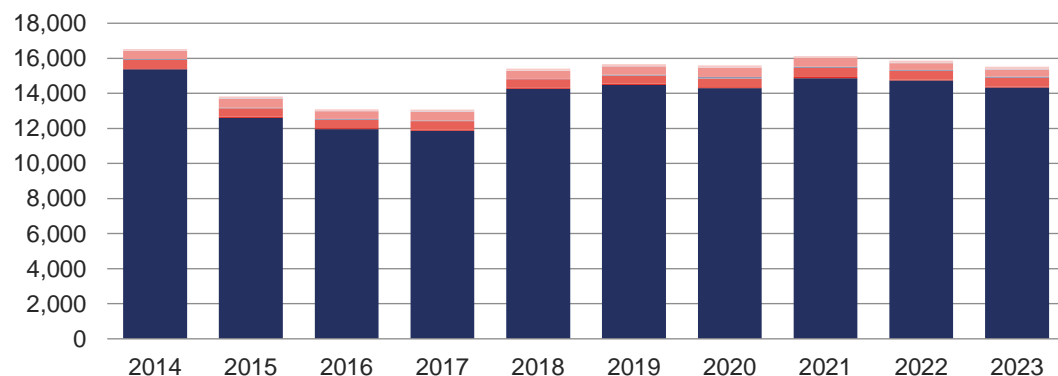


4.6.5 Installed capacity, generation, and consumption: Vysočina Region

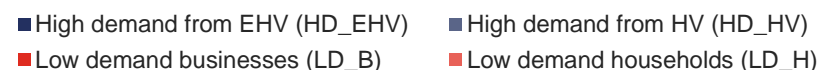
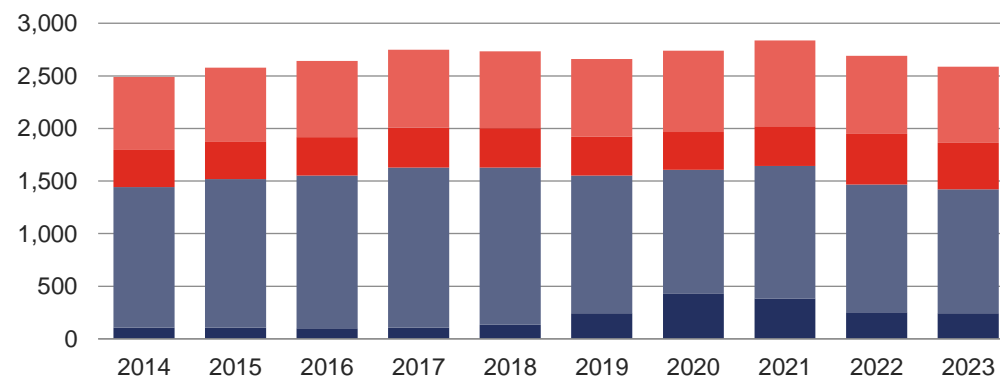


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	2,730.3	2,724.6	2,724.6	2,726.1	2,725.0	2,727.7	2,731.7	2,735.4	2,757.1	2,812.3
Nuclear (NPP)	2,040.0	2,040.0	2,040.0	2,040.0	2,040.0	2,040.0	2,040.0	2,040.0	2,040.0	2,040.0
Thermal (TPS)	21.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	14.8	14.8
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	76.0	75.9	75.6	77.0	77.7	78.4	82.1	84.5	87.9	89.5
Hydro (HE)	16.4	16.6	16.7	16.6	16.6	16.6	16.6	16.6	16.9	17.1
Pumped storage (PSHE)	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0	475.0
Wind (WPP)	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.9
Photovoltaic (PV)	90.7	91.0	91.1	91.3	89.6	91.5	91.9	93.0	111.6	164.1
Gross electricity generation [MWh]	16,522,024.8	13,822,650.0	13,086,234.9	13,069,941.4	15,411,402.9	15,662,533.6	15,585,434.0	16,124,280.3	15,861,477.3	15,527,318.2
Nuclear (NPP)	15,370,888.0	12,608,005.2	11,954,694.7	11,860,644.9	14,258,256.8	14,481,620.3	14,297,032.0	14,868,447.0	14,727,618.3	14,327,598.3
Thermal (TPS)	65,652.4	59,128.4	63,444.8	69,850.0	61,156.8	63,186.4	62,675.8	64,334.4	55,791.9	64,380.9
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	476,979.0	474,521.2	469,858.6	486,831.0	483,682.4	468,281.0	494,101.0	509,076.0	505,396.5	490,262.5
Hydro (HE)	54,271.6	50,916.6	51,632.4	37,703.3	33,035.0	49,935.1	89,040.0	84,176.3	43,958.0	69,691.3
Pumped storage (PSHE)	442,592.8	510,208.1	435,507.0	495,476.2	451,490.1	476,891.6	524,751.4	485,183.3	395,419.7	412,579.6
Wind (WPP)	20,652.3	22,133.1	18,929.4	23,204.5	22,253.1	23,286.0	19,879.2	19,288.0	21,660.1	23,475.0
Photovoltaic (PV)	90,988.7	97,737.6	92,168.2	96,231.5	101,528.7	99,333.1	97,954.7	93,775.3	111,632.7	139,330.5
Net electricity consumption [MWh]	2,488,805.1	2,578,597.2	2,641,917.8	2,749,356.7	2,733,692.8	2,658,468.4	2,738,113.9	2,836,197.7	2,690,758.6	2,586,973.7
High demand from EHV (HD_EHV)	105,119.7	106,679.0	101,132.2	106,241.7	133,563.1	244,651.4	432,582.0	382,981.6	253,728.8	243,625.3
High demand from HV (HD_HV)	1,337,292.5	1,412,513.9	1,450,227.4	1,522,179.7	1,493,327.1	1,307,194.1	1,175,603.6	1,259,421.4	1,213,968.6	1,176,381.5
Low demand businesses (LD_B)	351,861.6	352,020.6	366,596.8	380,530.0	374,832.4	369,698.5	359,173.0	378,631.3	479,841.1	440,984.3
Low demand households (LD_H)	694,531.2	707,383.6	723,961.5	740,405.3	731,970.3	736,924.4	770,755.3	815,163.4	743,219.9	725,982.5

Gross electricity generation [GWh]



Net electricity consumption [GWh]

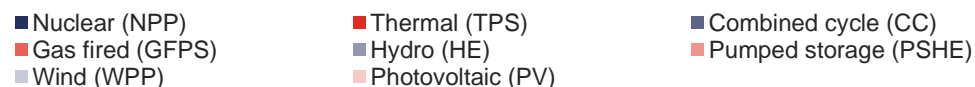
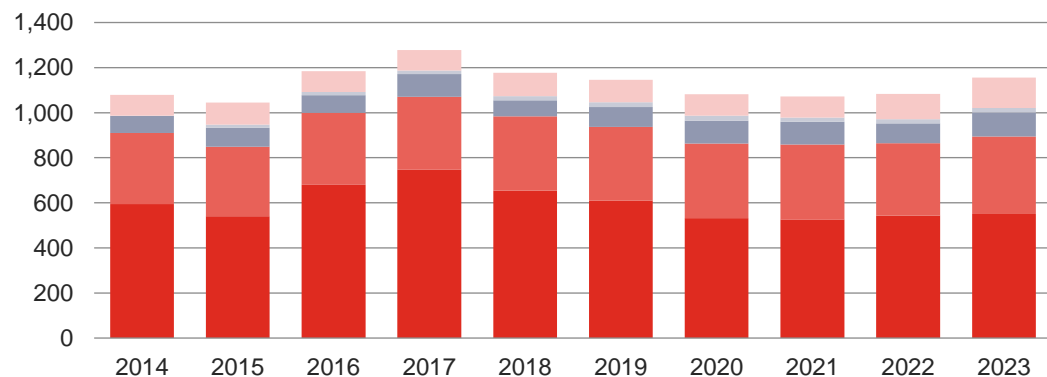


4.6.6 Installed capacity, generation, and consumption: Královéhradecký Region

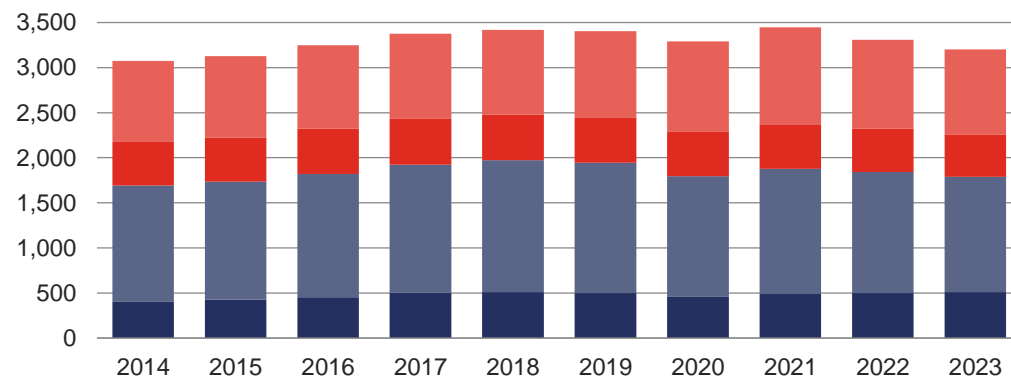


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	380.7	381.5	383.2	384.0	387.6	388.6	376.2	377.7	399.4	445.4
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	199.6	199.6	199.6	199.6	199.6	199.6	182.6	182.6	182.6	182.6
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	52.1	52.7	53.7	53.8	55.9	56.4	58.3	58.9	59.2	61.8
Hydro (HE)	29.6	29.7	30.4	30.9	30.4	30.5	30.3	30.7	30.9	30.7
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	8.0	8.0	8.0	8.0	10.0	10.2	10.2	10.2	10.2	10.2
Photovoltaic (PV)	91.4	91.4	91.5	91.6	91.7	91.9	94.8	95.3	116.4	160.1
Gross electricity generation [MWh]	1,078,629.0	1,045,057.6	1,183,365.2	1,278,004.7	1,176,565.4	1,146,098.5	1,081,339.0	1,071,871.6	1,082,676.5	1,156,094.5
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	595,157.4	539,989.8	679,198.4	747,234.5	653,892.4	610,186.0	531,549.7	526,040.1	543,061.6	550,419.6
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	314,658.9	308,814.3	319,466.3	323,201.1	329,368.5	326,400.5	331,718.3	332,952.7	321,768.9	344,296.1
Hydro (HE)	75,193.9	83,771.6	79,182.8	101,359.4	71,314.6	87,999.8	101,080.7	100,956.9	88,283.0	105,451.3
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	1,157.7	14,881.9	14,091.1	15,735.5	18,532.1	21,876.9	21,523.0	18,367.2	17,550.3	20,589.8
Photovoltaic (PV)	92,461.1	97,600.1	91,426.7	90,474.2	103,457.9	99,635.3	95,467.4	93,554.7	112,012.8	135,337.7
Net electricity consumption [MWh]	3,072,435.1	3,126,163.2	3,247,584.6	3,375,948.6	3,418,729.6	3,404,691.7	3,290,976.5	3,448,069.2	3,306,375.6	3,202,508.7
High demand from EHV (HD_EHV)	408,287.9	423,579.2	453,695.4	501,210.3	508,599.2	500,218.4	456,252.3	489,501.9	500,265.5	508,580.7
High demand from HV (HD_HV)	1,282,481.0	1,312,639.8	1,367,260.6	1,422,137.5	1,463,276.0	1,445,266.0	1,340,045.8	1,387,911.9	1,340,593.4	1,280,297.4
Low demand businesses (LD_B)	485,000.4	487,525.7	503,422.8	506,585.2	507,141.2	497,483.1	496,416.0	485,966.2	479,864.0	464,269.6
Low demand households (LD_H)	896,665.8	902,418.5	923,205.9	946,015.6	939,713.1	961,724.2	998,262.4	1,084,689.2	985,652.7	949,361.1

Gross electricity generation [GWh]



Net electricity consumption [GWh]

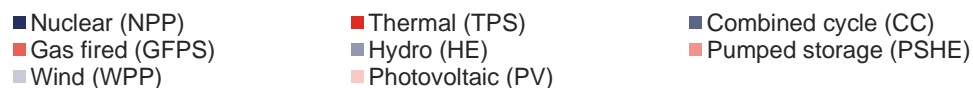
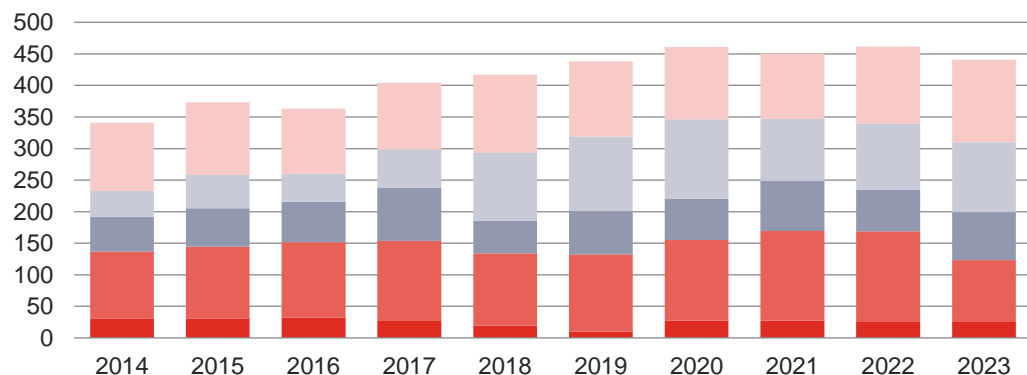


4.6.7 Installed capacity, generation, and consumption: Liberecký Region

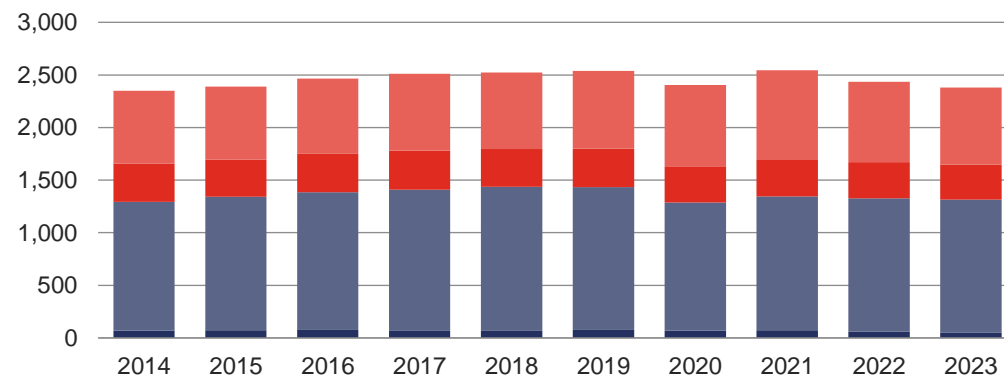


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	195.9	197.2	199.9	230.2	231.0	235.9	233.6	233.8	246.3	271.1
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	9.8	9.8	9.8	9.8	9.8	9.8	4.8	4.8	4.8	4.8
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	27.6	29.8	32.1	33.3	34.1	37.5	40.2	40.7	41.6	42.0
Hydro (HE)	25.3	25.5	26.0	26.0	26.0	26.1	26.2	26.0	25.8	24.7
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	24.0	24.0	24.0	50.1	50.1	50.1	50.1	50.1	50.1	48.6
Photovoltaic (PV)	109.2	108.0	108.0	111.0	111.0	112.3	112.3	112.2	123.9	151.0
Gross electricity generation [MWh]	341,050.2	373,150.7	363,081.1	404,451.4	416,970.3	438,257.8	460,823.7	450,602.9	461,730.1	440,812.9
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	30,760.5	30,792.7	31,937.4	27,680.7	19,153.6	9,979.0	27,487.6	27,359.1	26,163.9	26,286.0
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	106,255.8	113,994.0	119,581.1	126,191.9	114,793.9	122,262.9	127,498.1	142,245.4	142,842.9	96,934.7
Hydro (HE)	54,872.0	60,437.8	64,224.5	83,803.8	51,518.9	68,464.1	65,771.9	79,073.8	65,953.3	75,887.0
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	40,915.1	53,009.2	44,382.1	61,223.4	107,882.8	118,230.4	125,879.6	98,476.0	104,305.3	110,889.3
Photovoltaic (PV)	108,246.7	114,917.1	102,956.0	105,551.6	123,621.1	119,321.4	114,186.5	103,448.5	122,464.6	130,815.9
Net electricity consumption [MWh]	2,347,940.3	2,390,140.4	2,463,796.3	2,511,241.9	2,524,148.7	2,536,925.9	2,405,110.7	2,544,937.7	2,434,919.8	2,378,510.3
High demand from EHV (HD_EHV)	69,633.7	71,701.1	75,976.4	67,011.2	66,746.7	77,075.4	68,510.6	72,401.3	60,226.9	47,193.1
High demand from HV (HD_HV)	1,223,060.1	1,269,092.7	1,309,155.7	1,340,622.6	1,368,622.9	1,356,635.9	1,217,916.9	1,274,012.3	1,268,096.5	1,266,728.8
Low demand businesses (LD_B)	362,326.7	354,569.0	363,313.3	371,324.7	361,374.2	363,566.7	345,356.6	351,627.6	342,087.5	330,973.8
Low demand households (LD_H)	692,919.8	694,777.6	715,351.0	732,283.4	727,404.9	739,647.9	773,326.6	846,896.4	764,508.9	733,614.6

Gross electricity generation [GWh]



Net electricity consumption [GWh]

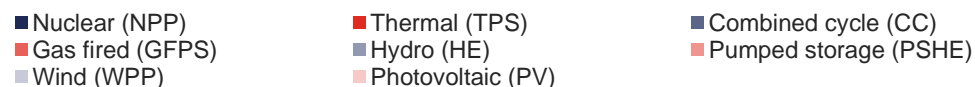
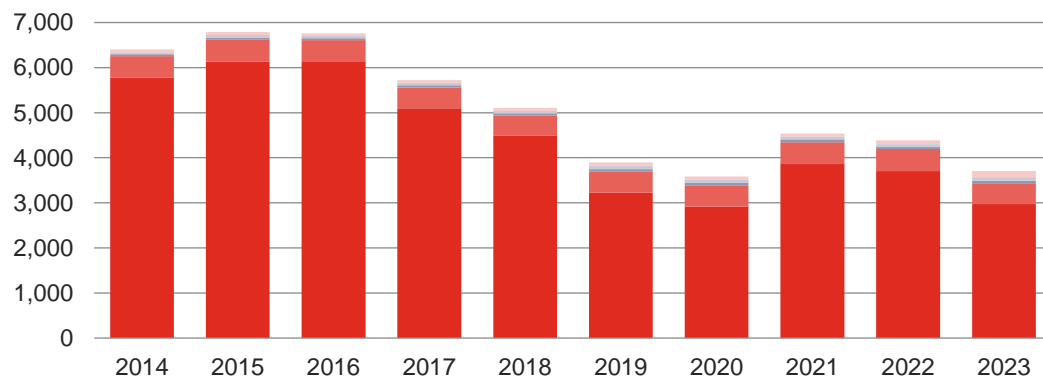


4.6.8 Installed capacity, generation, and consumption: Moravskoslezský Region

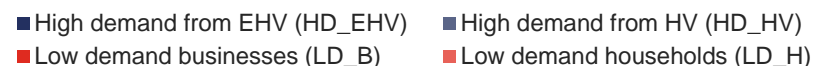
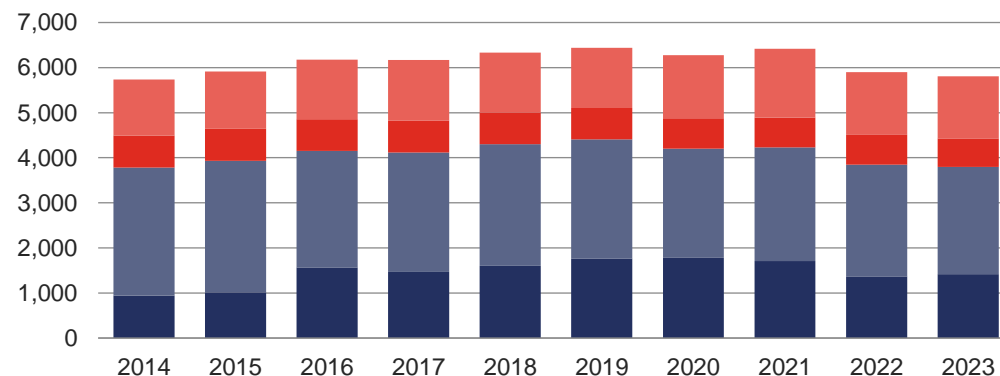


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	1,785.7	1,787.8	1,787.0	1,788.4	1,792.7	1,706.8	1,484.0	1,462.1	1,503.5	1,619.4
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	1,607.8	1,607.8	1,606.1	1,606.1	1,606.1	1,513.1	1,283.1	1,260.2	1,260.2	1,296.2
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	78.5	80.0	80.7	82.3	82.3	87.2	92.8	93.1	93.9	97.9
Hydro (HE)	16.8	17.4	17.5	17.3	17.3	17.3	17.9	17.8	18.3	18.3
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	21.8	21.8	21.8	21.8	26.2	28.4	28.4	28.4	28.4	28.4
Photovoltaic (PV)	60.8	60.8	60.9	60.8	60.8	60.8	61.8	62.6	102.7	178.7
Gross electricity generation [MWh]	6,401,605.7	6,787,120.5	6,759,540.3	5,720,810.8	5,102,697.0	3,892,398.0	3,583,956.6	4,532,221.9	4,386,166.8	3,703,062.7
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	5,774,875.4	6,136,524.7	6,139,308.6	5,079,772.2	4,488,402.0	3,230,374.7	2,913,255.5	3,857,034.6	3,707,051.5	2,975,032.2
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	477,240.3	478,861.4	467,600.3	479,226.3	447,867.3	466,813.9	462,938.3	488,206.4	483,699.4	456,777.4
Hydro (HE)	42,778.3	50,922.6	46,244.4	45,401.3	49,330.2	52,203.0	64,455.7	59,943.2	42,782.4	58,968.2
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	46,487.9	57,748.8	47,343.9	56,794.3	54,839.1	78,690.8	80,270.5	66,057.5	67,517.4	77,980.8
Photovoltaic (PV)	60,223.8	63,063.0	59,043.2	59,616.7	62,258.5	64,315.6	63,036.5	60,980.2	85,116.0	134,304.2
Net electricity consumption [MWh]	5,733,192.2	5,910,405.3	6,178,725.0	6,168,506.6	6,330,803.0	6,440,808.1	6,272,426.5	6,417,843.6	5,900,371.4	5,805,429.7
High demand from EHV (HD_EHV)	940,270.7	1,010,328.9	1,567,157.4	1,469,470.4	1,603,238.9	1,762,340.8	1,777,279.0	1,710,688.3	1,367,430.0	1,415,414.2
High demand from HV (HD_HV)	2,844,057.4	2,920,386.3	2,582,812.8	2,644,028.8	2,694,144.1	2,641,885.6	2,423,977.5	2,521,805.6	2,478,640.0	2,383,407.0
Low demand businesses (LD_B)	707,390.6	712,406.3	707,463.0	712,150.6	699,509.4	698,513.0	672,406.6	657,131.3	663,432.9	631,658.6
Low demand households (LD_H)	1,241,473.4	1,267,283.8	1,321,291.7	1,342,856.9	1,333,910.7	1,338,068.7	1,398,763.3	1,528,218.4	1,390,868.4	1,374,949.9

Gross electricity generation [GWh]



Net electricity consumption [GWh]

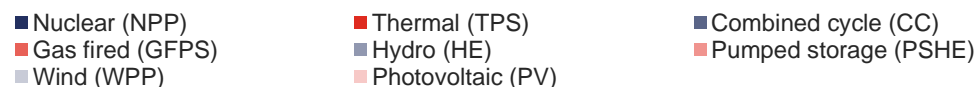
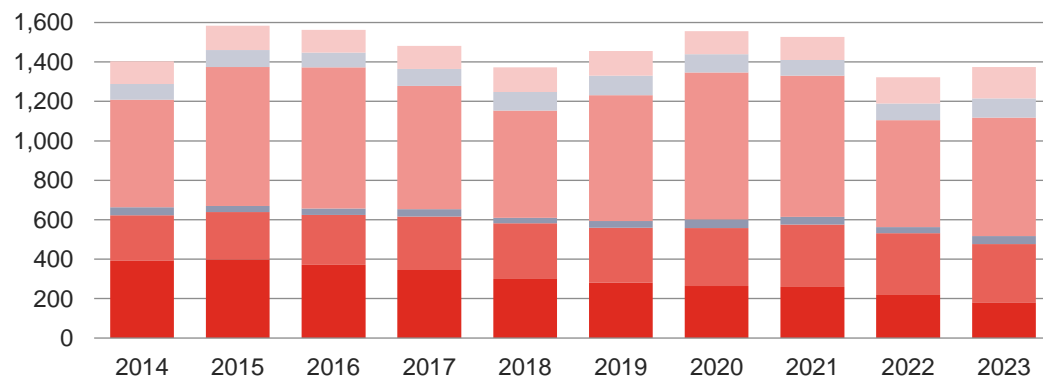


4.6.9 Installed capacity, generation, and consumption: Olomoucký Region

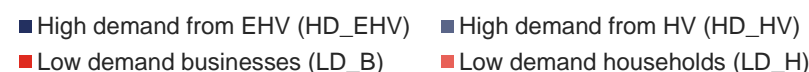
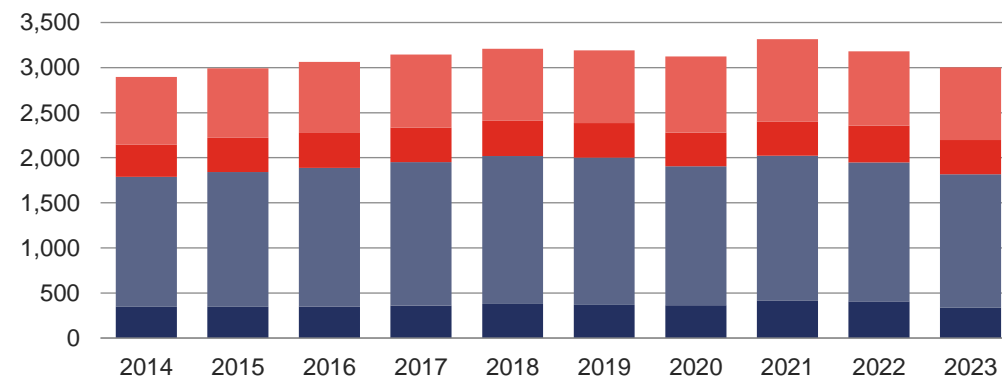


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	1,023.5	1,029.3	1,029.5	1,039.6	1,042.5	1,044.7	1,050.0	1,051.9	1,064.7	1,116.6
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	111.8	111.8	111.8	111.8	111.8	111.8	111.6	111.6	100.4	100.4
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	94.9	100.3	101.6	111.5	112.2	114.0	118.9	120.6	122.8	124.7
Hydro (HE)	12.3	12.4	12.6	12.9	12.8	13.0	13.0	12.9	13.4	13.4
Pumped storage (PSHE)	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0	650.0
Wind (WPP)	43.8	43.8	43.8	43.8	45.9	45.9	45.9	45.9	45.9	45.9
Photovoltaic (PV)	110.8	111.0	109.7	109.7	109.8	110.0	110.6	110.9	132.2	182.2
Gross electricity generation [MWh]	1,403,203.0	1,583,048.1	1,562,366.1	1,481,490.3	1,373,404.3	1,455,479.2	1,555,928.4	1,526,984.9	1,323,007.4	1,373,544.5
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	394,344.8	398,226.3	371,482.0	344,290.6	299,810.2	280,118.8	264,126.5	258,312.2	217,935.8	180,434.4
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	227,501.7	240,360.9	252,860.0	272,170.9	282,248.9	278,902.9	293,160.6	317,022.5	313,354.2	296,328.8
Hydro (HE)	41,023.5	30,713.0	32,107.2	37,673.9	26,863.4	34,828.9	43,751.9	38,563.2	30,808.7	40,387.2
Pumped storage (PSHE)	545,304.3	704,373.7	716,313.5	624,513.1	543,808.1	636,942.3	746,144.9	716,630.7	542,058.1	601,175.6
Wind (WPP)	80,352.2	87,365.1	73,898.3	85,586.7	95,158.1	99,312.8	91,746.3	79,102.7	84,759.7	96,249.7
Photovoltaic (PV)	114,676.6	122,009.1	115,705.0	117,255.1	125,515.6	125,373.5	116,998.2	117,353.5	134,090.9	158,968.8
Net electricity consumption [MWh]	2,897,692.4	2,990,934.9	3,064,703.7	3,144,799.1	3,210,142.2	3,189,870.2	3,123,682.3	3,314,686.5	3,181,849.5	3,002,071.2
High demand from EHV (HD_EHV)	346,121.6	345,903.9	350,569.4	360,769.1	376,824.8	367,395.3	365,148.7	416,219.5	406,070.7	335,347.5
High demand from HV (HD_HV)	1,441,978.4	1,495,020.9	1,537,411.9	1,590,543.3	1,640,471.1	1,634,047.0	1,540,560.8	1,606,964.3	1,542,912.4	1,480,188.4
Low demand businesses (LD_B)	358,687.3	380,284.2	385,757.8	385,213.8	390,773.1	385,097.9	373,120.2	380,382.8	408,843.3	379,932.6
Low demand households (LD_H)	750,905.1	769,725.9	790,964.6	808,272.9	802,073.3	803,330.0	844,852.7	911,120.0	824,023.2	806,602.7

Gross electricity generation [GWh]



Net electricity consumption [GWh]

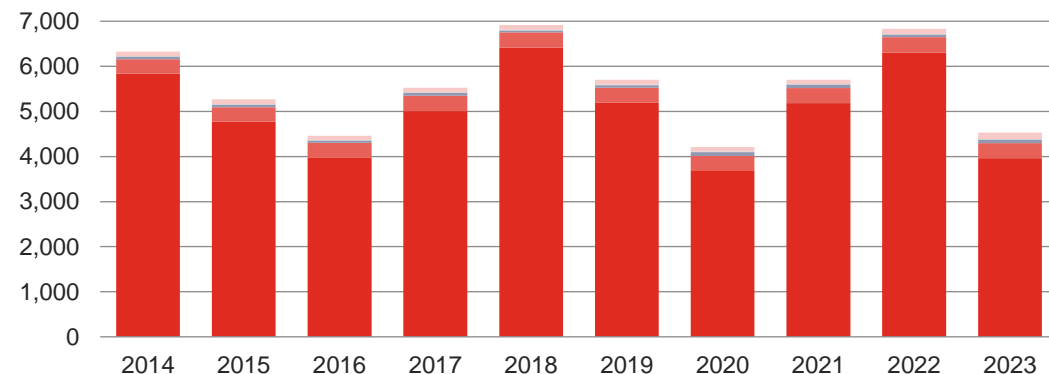


4.6.10 Installed capacity, generation, and consumption: Pardubický Region



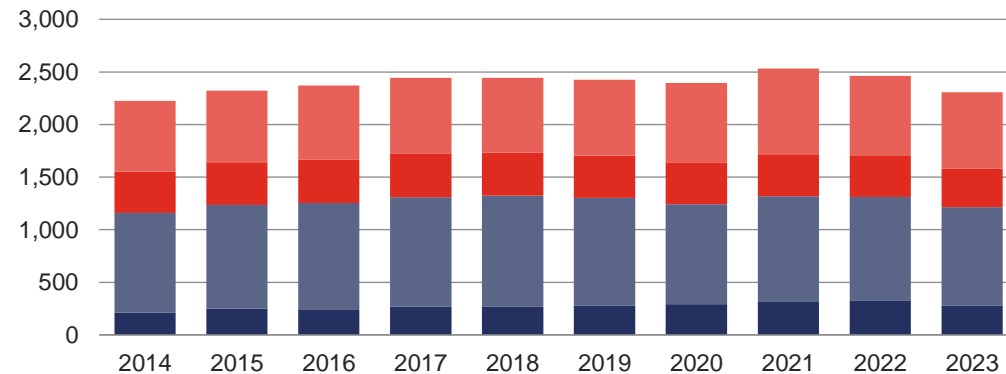
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	1,466.1	1,472.3	1,472.7	1,474.3	1,474.3	1,475.3	1,473.8	1,478.4	1,499.3	1,577.3
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	1,276.5	1,276.5	1,273.7	1,273.7	1,273.7	1,273.7	1,273.7	1,273.7	1,273.7	1,293.7
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	50.2	52.1	53.8	55.2	55.4	55.7	55.9	58.2	59.8	67.5
Hydro (HE)	28.9	29.2	29.5	29.6	29.5	29.6	29.8	30.0	30.0	30.0
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	15.3	19.3	19.3	19.2	19.2	19.2	19.2	19.2	19.2	23.0
Photovoltaic (PV)	95.2	95.3	96.5	96.5	96.5	97.1	95.1	97.2	116.6	163.1
Gross electricity generation [MWh]	6,324,928.9	5,265,895.1	4,457,742.8	5,522,975.7	6,916,360.3	5,701,340.2	4,207,899.0	5,700,643.0	6,828,077.0	4,529,122.1
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	5,834,774.3	4,768,562.6	3,966,995.6	5,007,226.9	6,415,419.5	5,195,982.9	3,679,188.2	5,183,439.8	6,307,027.5	3,964,093.4
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	321,945.4	325,331.6	334,157.0	340,215.6	338,846.2	325,252.6	333,902.6	337,157.1	338,235.5	335,040.7
Hydro (HE)	57,653.7	54,610.7	49,531.6	62,945.0	38,843.4	57,099.2	81,643.6	71,296.5	54,687.2	75,534.5
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	16,391.1	16,870.9	13,098.2	18,141.6	17,987.8	19,583.1	16,456.0	16,384.4	18,028.4	16,533.4
Photovoltaic (PV)	94,164.5	100,519.4	93,960.5	94,446.6	105,263.3	103,422.4	96,708.6	92,365.2	110,098.5	137,919.9
Net electricity consumption [MWh]	2,226,180.6	2,323,085.4	2,369,266.6	2,444,339.1	2,443,630.5	2,426,175.1	2,395,018.8	2,532,113.1	2,461,706.2	2,307,501.0
High demand from EHV (HD_EHV)	211,401.2	249,990.1	237,561.7	266,532.6	271,646.8	277,968.3	291,446.3	314,434.3	328,024.3	280,243.7
High demand from HV (HD_HV)	948,828.2	986,834.1	1,017,289.0	1,041,698.4	1,051,212.9	1,024,608.5	950,048.0	1,003,089.6	983,996.4	933,310.2
Low demand businesses (LD_B)	393,227.7	396,954.8	409,766.3	418,017.8	407,464.5	401,067.7	397,539.9	394,029.7	393,895.8	367,799.3
Low demand households (LD_H)	672,723.4	689,306.4	704,649.6	718,090.3	713,306.3	722,530.6	755,984.5	820,559.5	755,789.8	726,147.8

Gross electricity generation [GWh]



■ Nuclear (NPP) ■ Thermal (TPS) ■ Combined cycle (CC)
■ Gas fired (GFPS) ■ Hydro (HE) ■ Pumped storage (PSHE)
■ Wind (WPP) ■ Photovoltaic (PV)

Net electricity consumption [GWh]



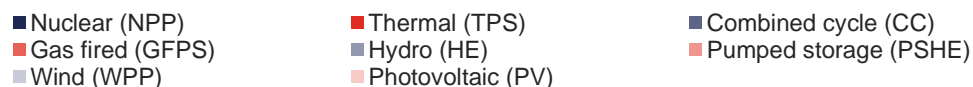
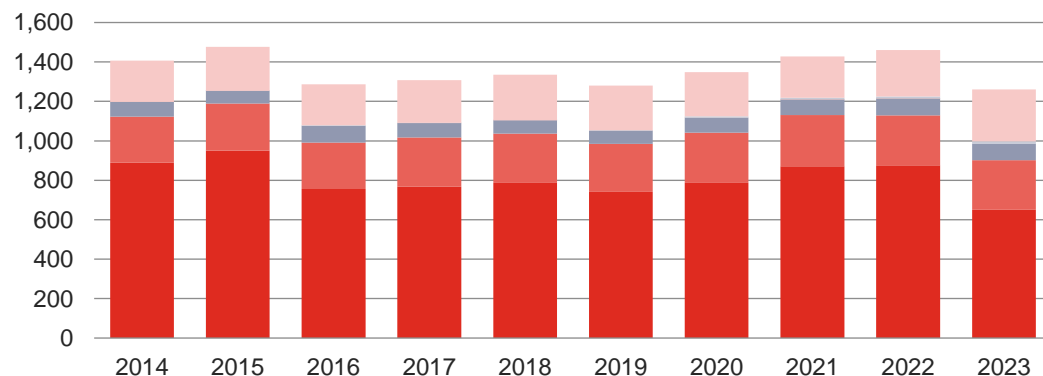
■ High demand from EHV (HD_EHV) ■ High demand from HV (HD_HV)
■ Low demand businesses (LD_B) ■ Low demand households (LD_H)

4.6.11 Installed capacity, generation, and consumption: Plzeňský Region

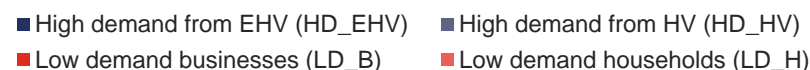
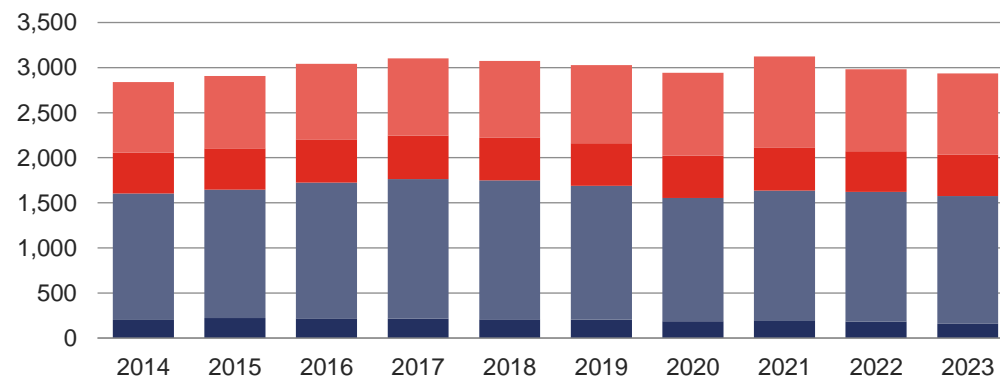


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	540.6	540.5	551.4	555.5	555.3	563.6	570.3	570.3	594.5	654.6
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	244.7	244.7	255.2	255.2	255.2	258.7	262.1	262.1	262.1	262.1
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	62.6	62.4	62.5	66.6	66.7	66.7	69.7	69.7	71.1	72.6
Hydro (HE)	19.9	19.9	20.2	20.3	20.3	20.6	20.8	20.8	21.3	21.3
Pumped storage (PSHE)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Wind (WPP)	0.8	0.8	0.8	0.8	0.8	5.3	5.3	5.3	5.3	5.3
Photovoltaic (PV)	211.1	211.1	211.1	211.0	210.8	210.8	210.9	210.9	233.3	291.8
Gross electricity generation [MWh]	1,406,719.1	1,476,375.9	1,286,823.7	1,307,740.4	1,335,608.7	1,280,265.2	1,348,305.6	1,428,603.2	1,459,677.2	1,260,202.9
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	889,124.5	950,740.1	754,965.4	767,502.3	786,013.8	740,544.6	786,484.4	870,529.1	876,393.9	649,964.5
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	233,574.1	238,126.2	236,785.6	249,651.6	250,230.0	243,340.0	255,470.9	260,351.4	253,129.2	251,809.6
Hydro (HE)	73,942.0	64,740.2	85,543.7	73,725.6	67,762.1	67,891.4	74,002.8	79,348.9	86,042.1	84,959.3
Pumped storage (PSHE)	29.7	14.7	0.0	3.4	44.4	44.1	1.6	52.0	1.4	0.0
Wind (WPP)	940.9	1,197.1	1,020.9	1,283.5	1,108.4	2,884.9	8,775.3	7,728.5	8,955.3	10,612.7
Photovoltaic (PV)	209,107.9	221,557.6	208,508.1	215,574.0	230,450.1	225,560.1	223,570.5	210,593.3	235,155.3	262,856.9
Net electricity consumption [MWh]	2,838,268.5	2,908,099.2	3,041,615.4	3,101,317.5	3,073,974.4	3,026,961.7	2,940,704.0	3,123,617.5	2,980,571.2	2,933,732.2
High demand from EHV (HD_EHV)	200,589.6	221,937.8	217,566.3	215,068.0	207,101.2	202,798.5	187,702.3	195,474.7	183,805.4	157,228.6
High demand from HV (HD_HV)	1,401,607.4	1,423,926.6	1,505,857.2	1,549,794.5	1,542,182.4	1,484,610.6	1,366,598.3	1,439,103.5	1,436,597.3	1,418,697.3
Low demand businesses (LD_B)	454,536.5	458,892.0	479,182.7	481,051.3	474,986.1	474,149.2	466,973.5	481,371.2	452,071.2	455,761.2
Low demand households (LD_H)	781,534.9	803,342.8	839,009.3	855,403.7	849,704.9	865,403.4	919,429.9	1,007,668.2	908,097.3	902,045.0

Gross electricity generation [GWh]



Net electricity consumption [GWh]

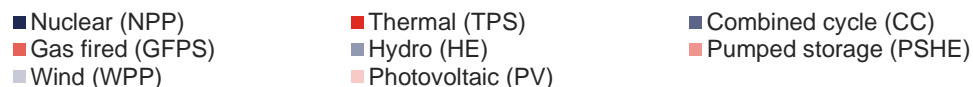
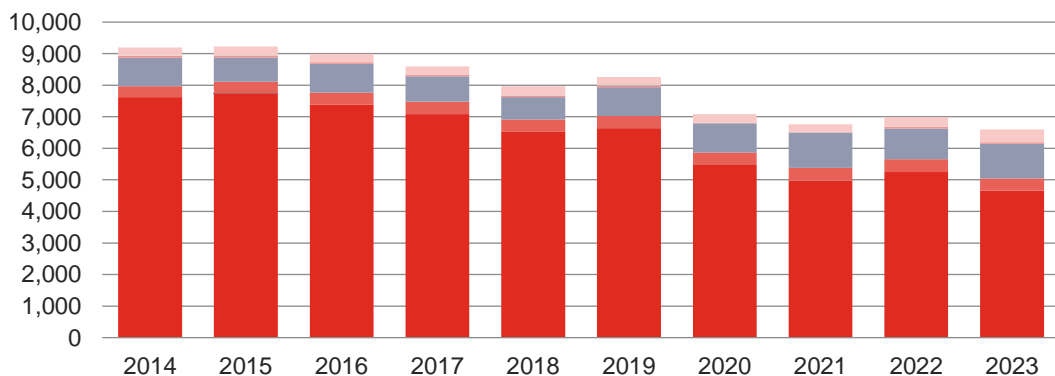


4.6.12 Installed capacity, generation, and consumption: Středočeský Region

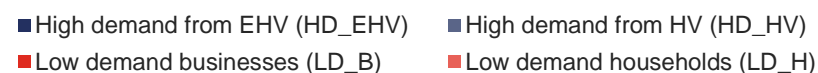
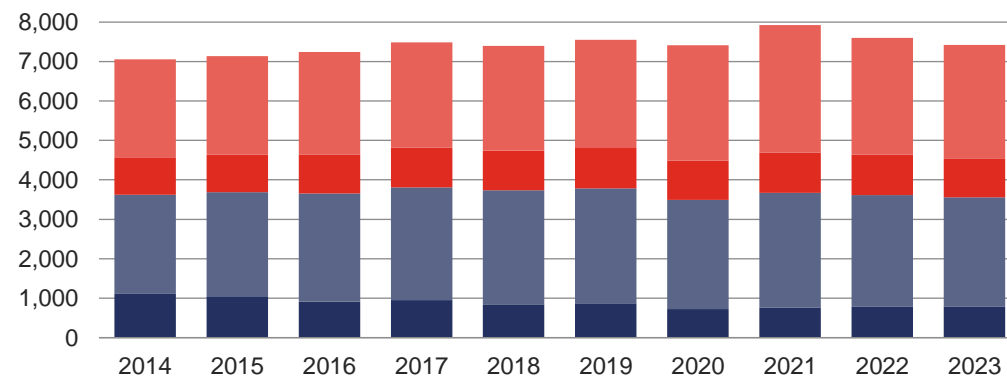


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	2,963.6	2,858.5	2,861.0	2,865.5	2,869.2	2,793.1	2,796.3	2,302.2	2,377.3	2,528.8
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	1,840.5	1,728.5	1,727.9	1,729.3	1,729.2	1,652.0	1,652.4	1,152.0	1,151.9	1,151.9
Combined cycle (CC)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	186.2	191.9	192.9	195.5	198.5	198.9	198.7	204.3	211.3	211.5
Hydro (HE)	639.9	640.4	642.7	643.3	644.1	644.1	644.3	644.6	644.8	645.4
Pumped storage (PSHE)	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Wind (WPP)	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	6.1	6.1
Photovoltaic (PV)	246.0	246.4	246.5	246.4	246.4	247.0	249.9	250.3	318.2	469.0
Gross electricity generation [MWh]	9,193,209.4	9,221,891.6	8,991,612.2	8,596,958.9	7,963,519.2	8,264,172.7	7,081,229.7	6,764,384.0	6,995,822.3	6,594,491.8
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	7,620,094.3	7,729,599.7	7,376,695.1	7,089,736.4	6,532,080.7	6,639,966.4	5,476,158.0	4,972,673.0	5,244,272.1	4,659,983.0
Combined cycle (CC)	0.0	1,100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	350,015.9	383,064.1	384,513.4	391,018.6	384,735.4	379,650.9	393,574.8	412,437.1	413,192.4	390,439.8
Hydro (HE)	901,975.4	769,186.0	921,078.4	802,150.1	704,690.0	915,305.9	916,339.1	1,113,578.7	974,248.9	1,087,200.1
Pumped storage (PSHE)	63,599.5	61,365.4	49,727.1	50,462.4	55,245.7	52,779.2	22,180.7	9,538.4	52,229.2	50,678.4
Wind (WPP)	7,194.8	9,958.8	8,787.0	7,631.0	6,925.8	9,000.7	8,316.6	5,400.4	4,656.7	7,475.5
Photovoltaic (PV)	250,329.5	267,617.6	250,811.2	255,960.4	279,841.6	267,469.7	264,660.5	250,756.4	307,223.1	398,715.0
Net electricity consumption [MWh]	7,053,266.0	7,139,474.5	7,246,760.5	7,485,480.1	7,394,982.2	7,547,341.9	7,415,126.3	7,923,082.9	7,597,297.9	7,417,565.0
High demand from EHV (HD_EHV)	1,120,507.8	1,045,917.5	908,159.9	951,774.1	829,001.0	873,955.4	728,104.6	753,679.1	785,078.0	781,410.4
High demand from HV (HD_HV)	2,505,743.8	2,638,037.5	2,748,302.9	2,853,905.5	2,907,807.7	2,914,841.2	2,767,095.1	2,914,145.0	2,827,715.4	2,774,391.7
Low demand businesses (LD_B)	944,556.0	952,841.8	986,169.5	1,006,237.8	1,002,422.4	1,016,437.5	995,654.1	1,023,794.7	1,028,276.7	978,099.0
Low demand households (LD_H)	2,482,458.3	2,502,677.8	2,604,128.1	2,673,562.6	2,655,751.1	2,742,107.8	2,924,272.5	3,231,464.0	2,956,227.9	2,883,663.9

Gross electricity generation [GWh]



Net electricity consumption [GWh]

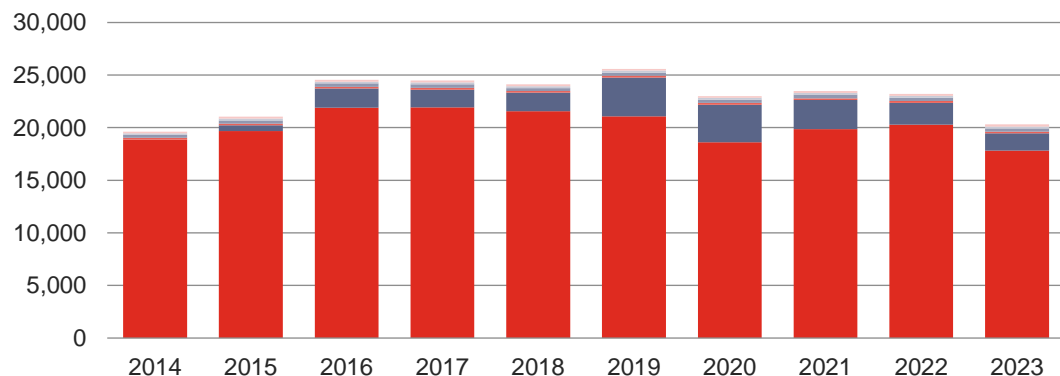


4.6.13 Installed capacity, generation, and consumption: Ústecký Region



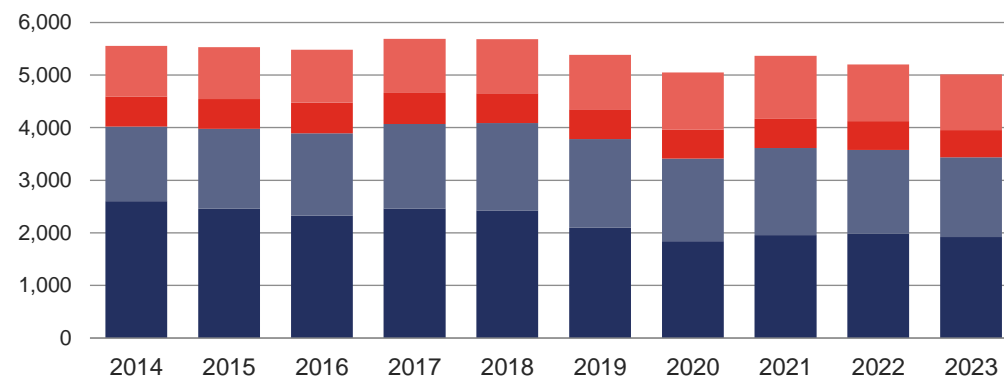
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	5,465.5	5,467.1	5,622.9	5,854.2	5,841.2	5,660.8	5,221.1	5,222.8	5,287.0	5,340.6
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	4,239.0	4,239.0	4,394.2	4,624.6	4,624.6	4,443.4	4,003.4	4,003.4	4,034.8	4,034.8
Combined cycle (CC)	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0	845.0
Gas fired (GFPS)	41.7	42.9	45.2	45.2	45.0	45.8	45.4	45.5	45.6	57.1
Hydro (HE)	76.4	76.6	76.6	77.5	77.5	77.3	77.3	77.4	77.6	77.6
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
Photovoltaic (PV)	176.7	176.8	175.1	175.2	162.4	162.5	163.2	164.7	197.2	239.3
Gross electricity generation [MWh]	19,632,447.9	21,061,882.9	24,540,613.0	24,480,767.8	24,119,875.2	25,597,989.6	22,997,293.2	23,471,201.4	23,220,713.1	20,308,168.7
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	18,861,750.8	19,674,244.7	21,905,730.3	21,921,342.0	21,568,656.3	21,074,791.7	18,610,790.0	19,861,670.8	20,288,215.5	17,809,693.5
Combined cycle (CC)	0.0	542,356.9	1,813,346.0	1,696,300.5	1,757,600.2	3,698,019.6	3,576,235.5	2,755,838.1	2,070,706.9	1,664,424.5
Gas fired (GFPS)	164,076.1	170,651.6	172,053.7	175,172.9	169,431.9	168,406.9	171,688.6	178,587.2	175,553.3	145,954.5
Hydro (HE)	281,427.9	296,550.4	316,074.5	316,823.6	269,002.6	292,688.2	297,049.6	350,263.8	318,049.8	307,676.5
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	161,020.9	194,182.7	174,037.6	204,000.5	173,288.7	197,132.8	180,895.7	170,623.3	177,556.7	175,314.3
Photovoltaic (PV)	164,172.2	183,896.6	159,370.8	167,128.3	181,895.7	166,950.4	160,633.8	154,218.1	190,630.9	205,105.4
Net electricity consumption [MWh]	5,554,881.4	5,528,705.9	5,480,887.5	5,690,941.2	5,681,425.6	5,383,423.0	5,050,417.6	5,367,878.1	5,201,725.2	5,010,949.0
High demand from EHV (HD_EHV)	2,602,059.9	2,461,991.2	2,327,544.3	2,465,448.9	2,425,247.9	2,096,433.8	1,839,912.5	1,955,214.2	1,979,243.6	1,921,811.2
High demand from HV (HD_HV)	1,418,703.1	1,514,404.7	1,567,849.9	1,607,457.9	1,660,236.1	1,687,685.4	1,570,030.2	1,657,053.7	1,598,479.7	1,514,649.0
Low demand businesses (LD_B)	570,301.4	570,867.7	579,928.2	585,719.6	570,504.3	565,061.0	549,720.0	555,410.5	544,121.7	517,328.1
Low demand households (LD_H)	963,817.0	981,442.2	1,005,565.2	1,032,314.8	1,025,437.4	1,034,242.8	1,090,755.0	1,200,199.7	1,079,880.2	1,057,160.8

Gross electricity generation [GWh]



■ Nuclear (NPP) ■ Thermal (TPS) ■ Combined cycle (CC)
■ Gas fired (GFPS) ■ Hydro (HE) ■ Pumped storage (PSHE)
■ Wind (WPP) ■ Photovoltaic (PV)

Net electricity consumption [GWh]



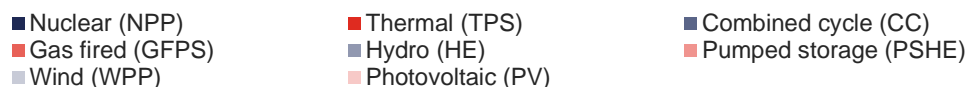
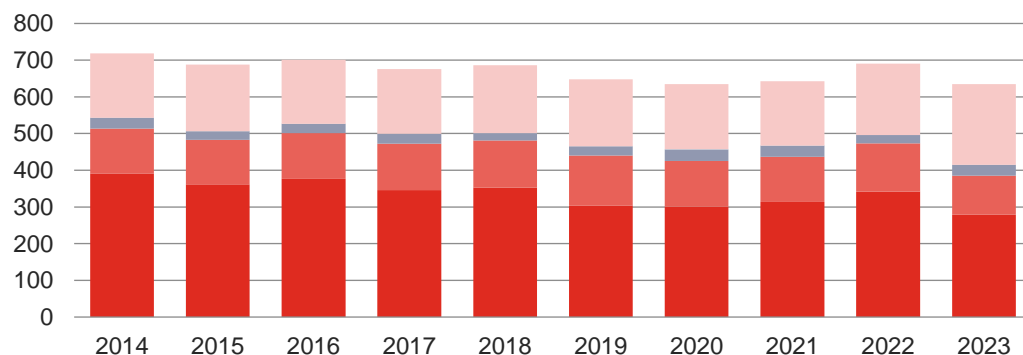
■ High demand from EHV (HD_EHV) ■ High demand from HV (HD_HV)
■ Low demand businesses (LD_B) ■ Low demand households (LD_H)

4.6.14 Installed capacity, generation, and consumption: Zlínský Region

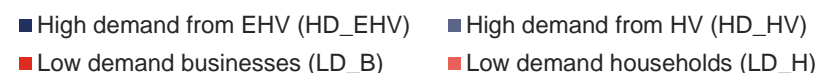
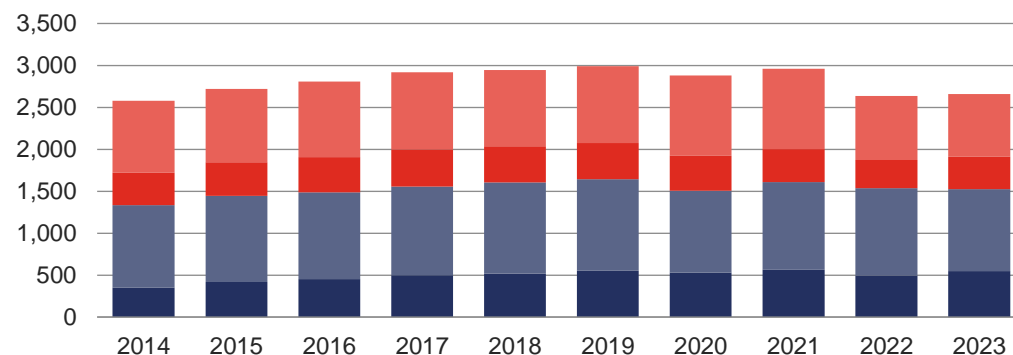


	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Installed capacity [MW_e]	333.6	335.1	339.9	333.1	333.8	336.2	330.3	333.4	356.9	416.5
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	138.8	138.7	142.9	137.6	137.6	137.7	132.5	132.5	131.7	131.7
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	27.7	29.1	29.1	30.4	31.1	34.1	32.4	33.4	34.4	36.8
Hydro (HE)	7.0	7.0	7.7	7.7	7.7	7.7	7.6	7.7	7.8	7.8
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Photovoltaic (PV)	159.8	160.0	160.1	157.1	157.2	156.4	157.4	159.5	182.8	240.0
Gross electricity generation [MWh]	718,255.8	688,406.1	700,928.9	675,695.6	686,050.6	647,417.6	634,568.0	642,806.5	690,476.7	634,565.0
Nuclear (NPP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Thermal (TPS)	391,010.0	361,800.7	376,441.6	346,333.3	353,124.4	303,834.3	300,426.8	314,010.4	341,771.1	278,429.7
Combined cycle (CC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gas fired (GFPS)	122,148.5	121,080.8	124,866.3	126,410.2	127,710.1	135,934.0	124,740.9	122,313.3	131,716.6	106,804.5
Hydro (HE)	29,612.8	23,646.8	25,284.0	26,472.6	20,139.3	25,644.0	32,028.8	30,902.2	22,161.2	29,675.5
Pumped storage (PSHE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind (WPP)	212.6	253.8	247.8	282.9	147.0	159.4	149.5	119.6	183.7	260.6
Photovoltaic (PV)	175,271.8	181,624.1	174,089.2	176,196.7	184,929.8	181,845.9	177,222.1	175,461.0	194,644.1	219,394.7
Net electricity consumption [MWh]	2,576,687.4	2,719,166.7	2,805,783.3	2,917,547.3	2,945,033.6	2,992,587.9	2,881,903.1	2,959,575.0	2,636,781.5	2,658,454.9
High demand from EHV (HD_EHV)	349,793.9	418,592.2	453,597.8	499,786.5	515,571.3	550,102.7	528,541.1	563,849.8	494,370.3	546,986.3
High demand from HV (HD_HV)	984,796.9	1,027,574.6	1,034,695.3	1,053,925.8	1,088,962.6	1,091,420.6	976,475.4	1,045,219.8	1,042,129.4	978,326.9
Low demand businesses (LD_B)	384,211.6	398,008.2	419,137.8	446,233.5	433,345.7	433,638.5	418,116.3	392,400.9	337,498.6	384,051.4
Low demand households (LD_H)	857,885.1	874,991.7	898,352.4	917,601.5	907,154.1	917,426.1	958,770.3	958,104.6	762,783.2	749,090.3

Gross electricity generation [GWh]



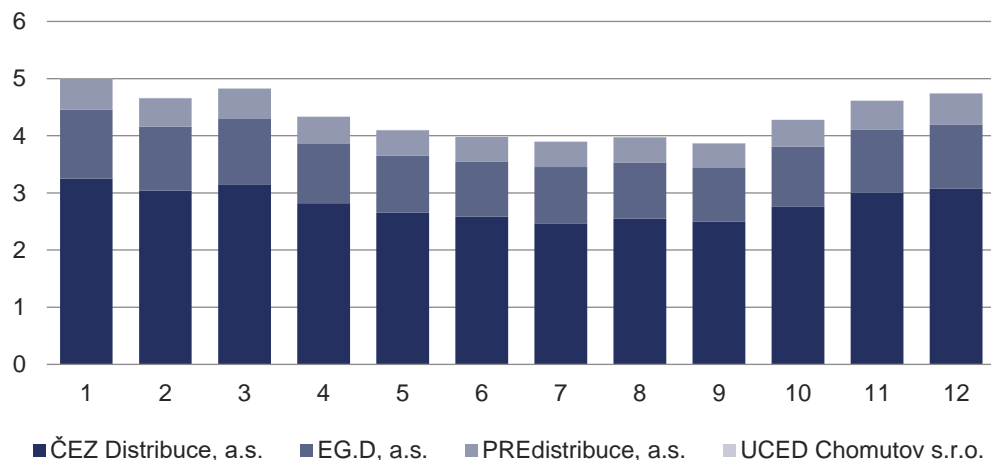
Net electricity consumption [GWh]



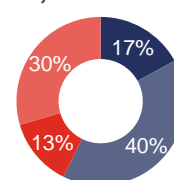
4.7 Net electricity consumption in each RDS [MWh]

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total RDS	4,999,191.4	4,660,412.5	4,827,978.5	4,338,682.4	4,103,320.5	3,986,340.4	3,897,278.4	3,979,965.8	3,872,062.8	4,281,643.4	4,614,362.5	4,747,750.0	52,308,988.6
■ HD_C from EHV	590,456.2	564,394.7	634,213.3	611,538.4	617,692.7	671,204.6	621,800.7	593,715.1	596,865.5	605,825.9	576,889.8	517,696.9	7,202,293.8
■ HD_C from HV	1,967,380.8	1,831,390.5	1,982,305.5	1,760,821.6	1,839,383.2	1,852,520.4	1,711,911.6	1,844,472.6	1,803,511.3	1,907,750.8	1,908,901.9	1,685,171.0	22,095,521.2
■ LD_B	771,537.7	709,568.9	719,041.1	606,761.4	555,507.5	517,305.1	519,184.9	547,919.4	530,879.5	610,378.2	709,945.9	736,474.6	7,534,504.1
■ LD_H	1,669,816.7	1,555,058.4	1,492,418.6	1,359,561.0	1,090,737.1	945,310.4	1,044,381.2	993,858.6	940,806.4	1,157,688.6	1,418,625.0	1,808,407.5	15,476,669.5
ČEZ Distribuce, a.s.	3,250,524.5	3,040,404.5	3,150,640.8	2,820,401.4	2,656,524.7	2,583,485.3	2,465,254.7	2,548,500.0	2,498,770.3	2,763,135.3	3,003,659.6	3,069,795.9	33,851,097.2
■ HD_C from EHV	487,724.5	456,576.1	503,903.1	485,668.3	486,447.9	533,760.8	508,165.0	473,417.4	471,793.4	480,167.1	458,547.5	418,268.3	5,764,439.3
■ HD_C from HV	1,209,755.6	1,135,533.3	1,234,290.7	1,089,249.7	1,139,410.7	1,142,995.4	1,037,322.8	1,125,024.2	1,116,887.6	1,186,393.1	1,187,384.6	1,031,273.8	13,635,521.4
■ LD_B	456,479.8	424,211.3	424,649.4	362,149.3	329,306.3	307,536.9	300,474.0	322,892.6	307,240.7	361,202.9	414,546.7	439,442.3	4,450,132.3
■ LD_H	1,096,564.7	1,024,083.8	987,797.7	883,334.1	701,359.8	599,192.3	619,293.0	627,165.8	602,848.5	735,372.2	943,180.8	1,180,811.4	10,001,004.1
EG.D, a.s.	1,202,883.2	1,118,252.4	1,153,642.8	1,044,918.9	995,485.7	958,270.4	990,211.2	974,588.4	938,681.3	1,047,382.0	1,096,889.2	1,129,161.8	12,650,367.5
■ HD_C from EHV	95,465.8	98,284.1	119,681.6	114,949.7	121,158.4	127,241.5	104,076.6	111,388.9	114,648.8	113,873.2	105,640.5	86,295.7	1,312,704.9
■ HD_C from HV	494,338.0	455,275.9	488,015.6	433,442.3	455,072.9	457,212.7	421,359.5	457,737.1	439,346.6	468,837.6	465,333.1	394,495.7	5,430,467.1
■ LD_B	204,647.9	176,529.4	177,540.8	154,751.3	145,316.3	135,569.6	145,532.9	152,831.9	138,831.5	152,509.6	188,271.0	186,129.4	1,958,461.7
■ LD_H	408,431.5	388,163.0	368,404.7	341,775.5	273,938.1	238,246.7	319,242.1	252,630.5	245,854.4	312,161.6	337,644.6	462,241.0	3,948,733.8
PREdistribuce, a.s.	540,812.6	496,925.5	518,509.8	468,534.7	446,387.6	439,719.5	438,704.7	452,738.4	429,787.6	465,937.3	508,916.5	544,086.1	5,751,060.4
■ HD_C from EHV	7,266.0	9,534.5	10,628.7	10,920.4	10,086.5	10,202.3	9,559.0	8,908.7	10,423.3	11,785.6	12,701.8	13,132.9	125,149.6
■ HD_C from HV	258,412.1	235,849.0	254,909.7	233,383.5	240,053.6	247,519.7	250,179.3	257,635.0	242,521.4	247,405.3	251,365.0	254,774.8	2,974,008.2
■ LD_B	110,314.2	108,730.4	116,755.3	89,779.5	80,808.5	74,126.0	73,120.2	72,132.4	84,739.5	96,591.7	107,050.2	110,823.2	1,124,971.0
■ LD_H	164,820.5	142,811.5	136,216.2	134,451.3	115,439.1	107,871.5	105,846.2	114,062.3	92,103.5	110,154.8	137,799.6	165,355.1	1,526,931.5
UCED Chomutov s.r.o	4,971.0	4,830.2	5,185.1	4,827.4	4,922.5	4,865.2	3,107.7	4,138.9	4,823.5	5,188.8	4,897.2	4,706.2	56,463.5
■ HD_C from EHV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
■ HD_C from HV	4,875.2	4,732.3	5,089.5	4,746.1	4,846.0	4,792.6	3,050.0	4,076.4	4,755.8	5,114.8	4,819.2	4,626.6	55,524.4
■ LD_B	95.8	97.8	95.6	81.3	76.5	72.5	57.7	62.5	67.8	74.0	78.0	79.5	939.1
■ LD_H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

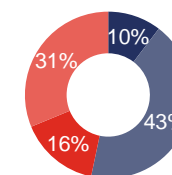
Total net electricity consumption in each RDS [TWh]



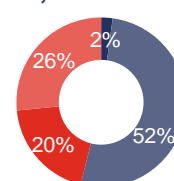
Structure of total consumption
ČEZ Distribuce, a.s.



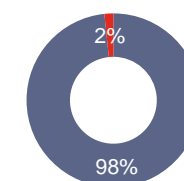
Structure of total consumption
EG.D, a.s.



Structure of total consumption
PREdistribuce, a.s.



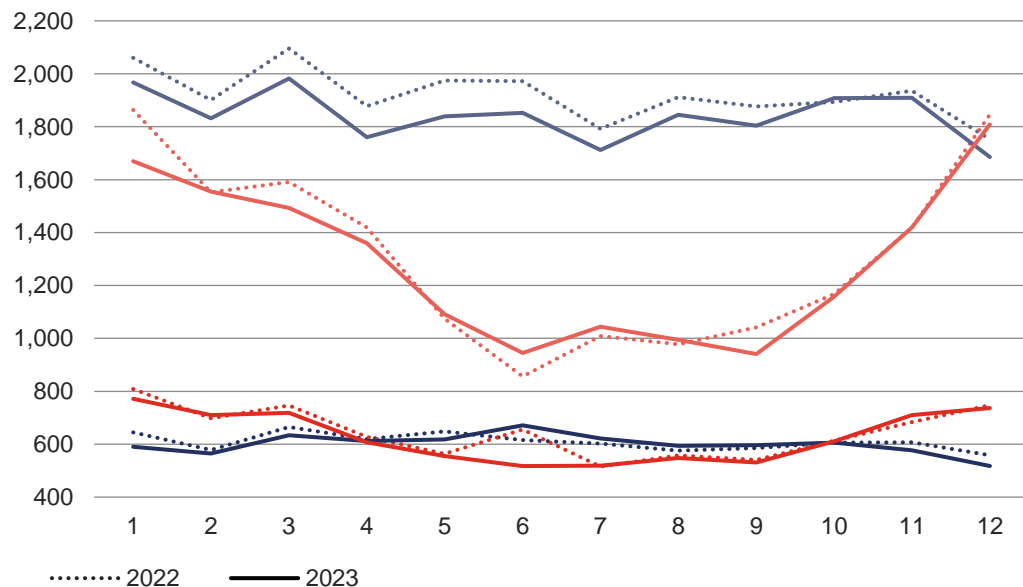
Structure of total consumption
UCED Chomutov s.r.o.



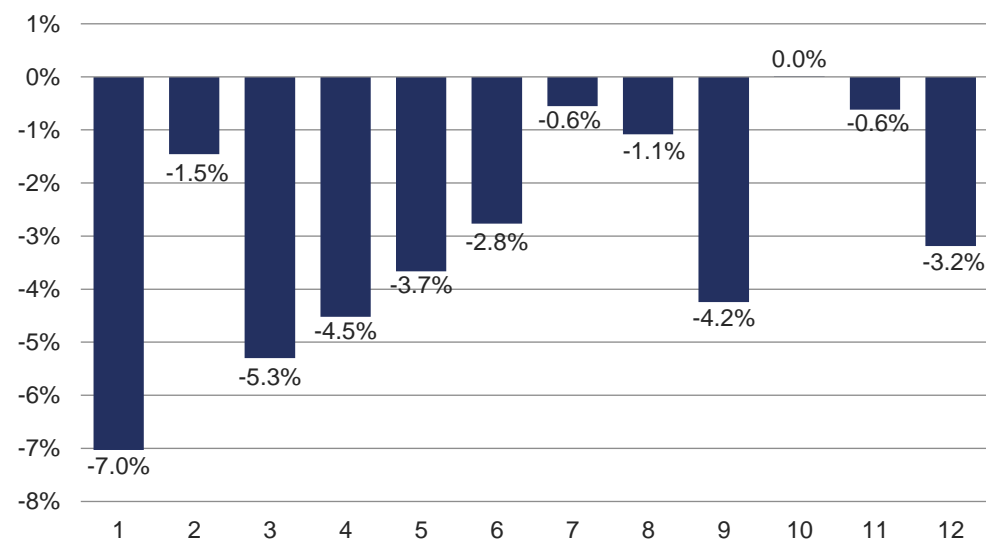
4.8 Year-on-year change in net electricity consumption in regional distribution systems [GWh]

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Total in 2022	5,377.2	4,729.2	5,098.1	4,544.1	4,259.3	4,099.6	3,918.8	4,023.6	4,043.6	4,281.3	4,643.2	4,904.0	53,922.0
■ HD_C from EHV in 2022	644.5	578.6	665.0	619.5	647.8	616.2	602.3	575.9	585.4	606.4	607.4	558.3	7,307.4
■ HD_C from HV in 2022	2,060.6	1,900.6	2,095.7	1,877.2	1,974.5	1,971.6	1,792.2	1,912.1	1,876.5	1,893.5	1,935.3	1,752.6	23,042.3
■ LD_B in 2022	808.6	697.9	746.9	627.8	563.2	655.6	515.4	557.6	540.1	613.3	683.1	747.0	7,756.5
■ LD_H in 2022	1,863.5	1,552.1	1,590.5	1,419.5	1,073.7	856.2	1,009.0	978.0	1,041.6	1,168.0	1,417.4	1,846.1	15,815.6
Total in 2023	4,999.2	4,660.4	4,828.0	4,338.7	4,103.3	3,986.3	3,897.3	3,980.0	3,872.1	4,281.6	4,614.4	4,747.7	52,309.0
■ HD_C from EHV in 2023	590.5	564.4	634.2	611.5	617.7	671.2	621.8	593.7	596.9	605.8	576.9	517.7	7,202.3
■ HD_C from HV in 2023	1,967.4	1,831.4	1,982.3	1,760.8	1,839.4	1,852.5	1,711.9	1,844.5	1,803.5	1,907.8	1,908.9	1,685.2	22,095.5
■ LD_B in 2023	771.5	709.6	719.0	606.8	555.5	517.3	519.2	547.9	530.9	610.4	709.9	736.5	7,534.5
■ LD_H in 2023	1,669.8	1,555.1	1,492.4	1,359.6	1,090.7	945.3	1,044.4	993.9	940.8	1,157.7	1,418.6	1,808.4	15,476.7
Year-on-year change	-378.0	-68.8	-270.1	-205.4	-156.0	-113.3	-21.6	-43.6	-171.5	0.4	-28.8	-156.2	-1,613.0
■ HD_C from EHV change	-54.1	-14.2	-30.8	-8.0	-30.2	55.0	19.5	17.8	11.5	-0.6	-30.6	-40.6	-105.1
■ HD_C from HV change	-93.2	-69.2	-113.4	-116.4	-135.1	-119.1	-80.3	-67.6	-73.0	14.3	-26.4	-67.4	-946.8
■ LD_B change	-37.0	11.7	-27.8	-21.1	-7.7	-138.3	3.8	-9.7	-9.3	-3.0	26.9	-10.5	-222.0
■ LD_H change	-193.7	2.9	-98.1	-59.9	17.0	89.1	35.4	15.9	-100.8	-10.3	1.2	-37.7	-339.0
Year-on-year change	-7.0%	-1.5%	-5.3%	-4.5%	-3.7%	-2.8%	-0.6%	-1.1%	-4.2%	0.0%	-0.6%	-3.2%	-3.0%
■ HD_C from EHV change	-8.4%	-2.4%	-4.6%	-1.3%	-4.7%	8.9%	3.2%	3.1%	2.0%	-0.1%	-5.0%	-7.3%	-1.4%
■ HD_C from HV change	-4.5%	-3.6%	-5.4%	-6.2%	-6.8%	-6.0%	-4.5%	-3.5%	-3.9%	0.8%	-1.4%	-3.8%	-4.1%
■ LD_B change	-4.6%	1.7%	-3.7%	-3.4%	-1.4%	-21.1%	0.7%	-1.7%	-1.7%	-0.5%	3.9%	-1.4%	-2.9%
■ LD_H change	-10.4%	0.2%	-6.2%	-4.2%	1.6%	10.4%	3.5%	1.6%	-9.7%	-0.9%	0.1%	-2.0%	-2.1%

Net electricity consumption in RDS [GWh]



Year-on-year change in net electricity consumption in RDS [%]

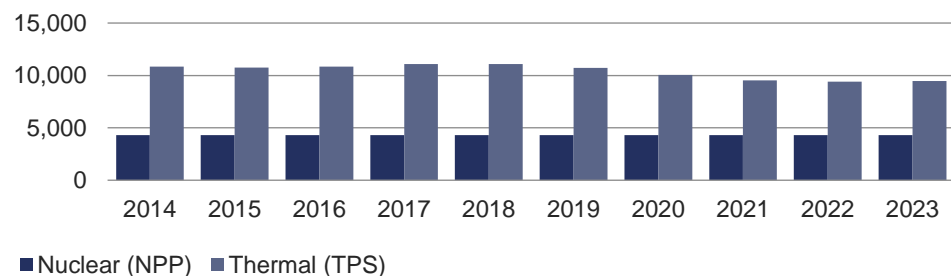


5 ELECTRICITY GENERATION BY TECHNOLOGY AND FUEL

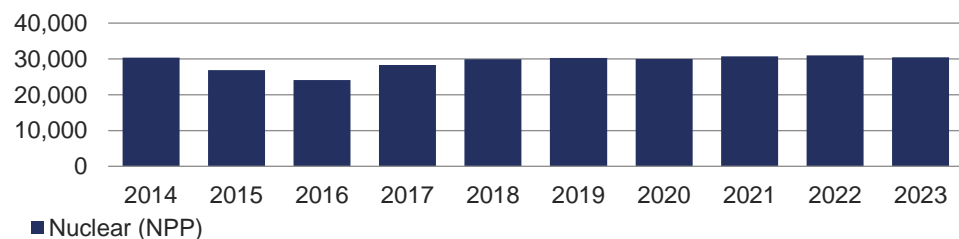
5.1 Nuclear power plants and thermal power stations

	Gross electricity generation [GWh]	Own use (process only) for electricity generation [GWh]	Own use (process only) for heat production [GWh]	Net electricity generation [GWh]	Total installed electrical capacity [MW _e]
Nuclear power plants (NPP)	30,410.5	1,681.3	3.7	28,729.2	4,290.0
Thermal power stations (TPS)	33,711.1	3,160.1	900.8	30,551.1	9,472.3
/// Biomass	2,437.7	192.9	111.7	2,244.8	
/// Biogas	10.9	0.5	1.0	10.3	
■ Hard coal	1,918.6	157.9	129.3	1,760.7	
■ Brown coal	27,800.5	2,676.0	516.7	25,124.5	
■ Coke	0.0	0.0	0.0	0.0	
■ Waste heat	61.4	8.8	3.9	52.6	
■ Other liquid fuels	14.2	0.5	1.5	13.7	
■ Other solid fuels	268.0	27.1	38.8	240.9	
■ Other gases	566.7	63.0	46.7	503.7	
■ Other	0.0	0.0	0.0	0.0	
■ Fuel oils	8.9	1.0	0.4	7.9	
■ Natural gas	624.4	32.4	50.9	592.0	

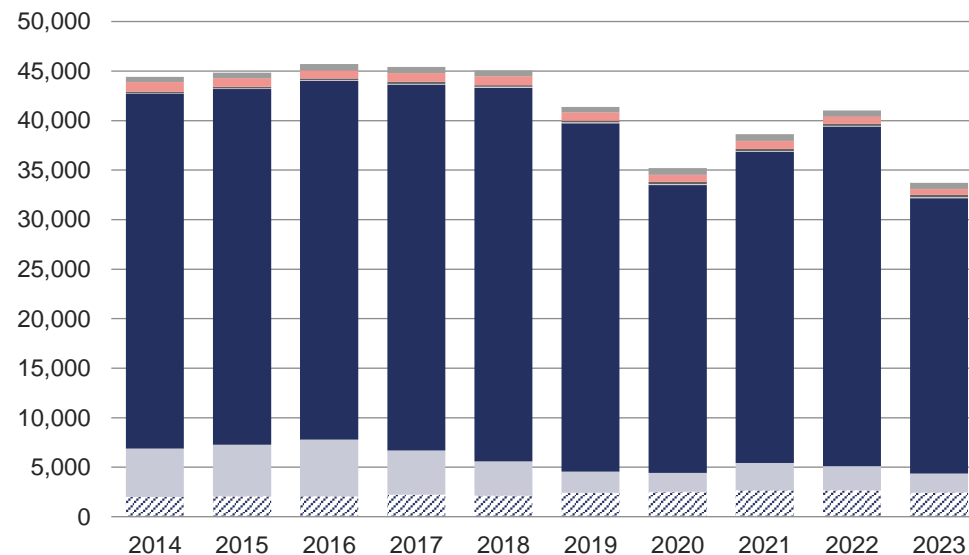
Installed capacity [MW]



Gross electricity generation [GWh], NPP



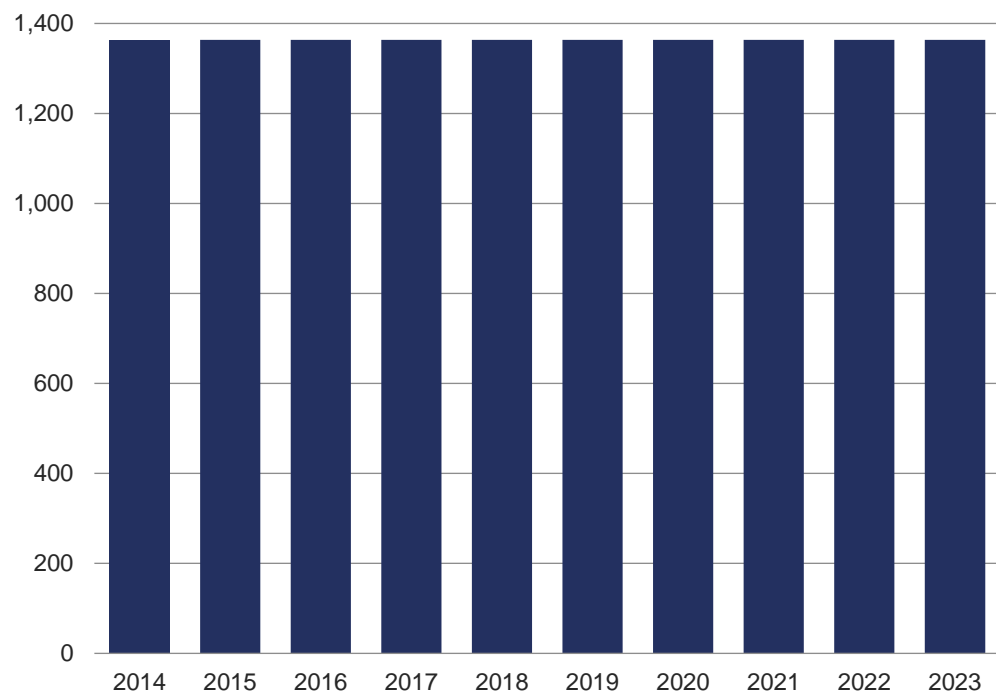
Gross electricity generation [GWh], TPS



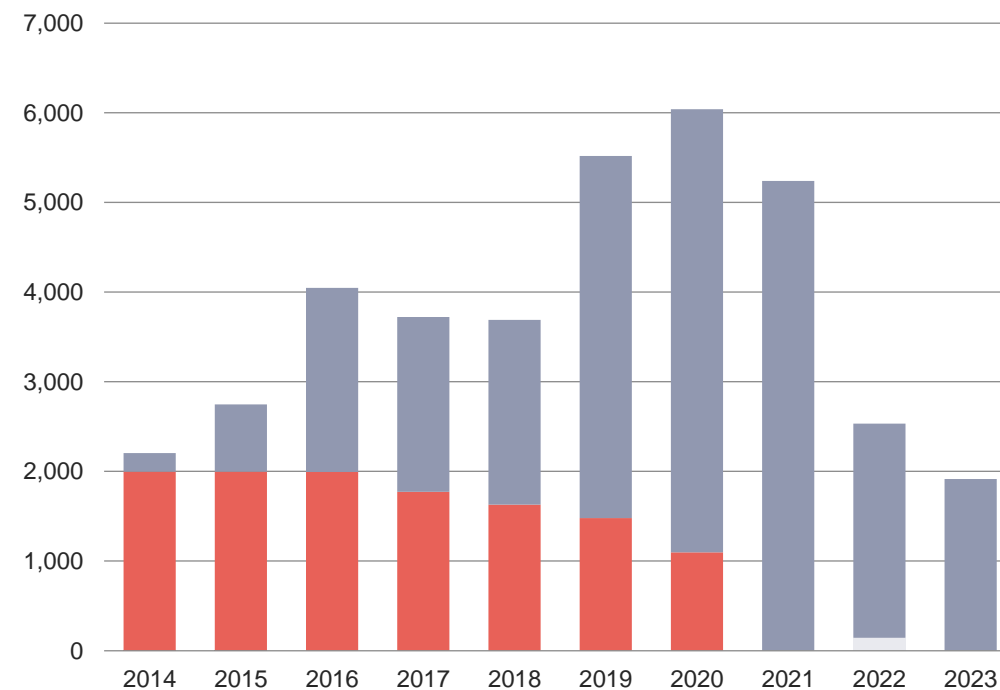
5.2 Combined cycle plants

	Gross electricity generation [GWh]	Own use (process only) for electricity generation [GWh]	Own use (process only) for heat production [GWh]	Net electricity generation [GWh]	Total installed electrical capacity [MW _e]
Combined cycle plants (CC)	2,088.9	30.8	4.8	2,058.1	1,363.5
∕ Biomass	0.0	0.0	0.0	0.0	
∕ Biogas	0.0	0.0	0.0	0.0	
■ Hard coal	0.0	0.0	0.0	0.0	
■ Brown coal	0.0	0.0	0.0	0.0	
■ Coke	0.0	0.0	0.0	0.0	
■ Waste heat	0.0	0.0	0.0	0.0	
■ Other liquid fuels	0.0	0.0	0.0	0.0	
■ Other solid fuels	0.0	0.0	0.0	0.0	
■ Other gases	0.0	0.0	0.0	0.0	
■ Other	171.4	2.6	0.0	168.7	
■ Fuel oils	0.0	0.0	0.0	0.0	
■ Natural gas	1,917.5	28.1	4.8	1,889.4	

Installed capacity [MW]



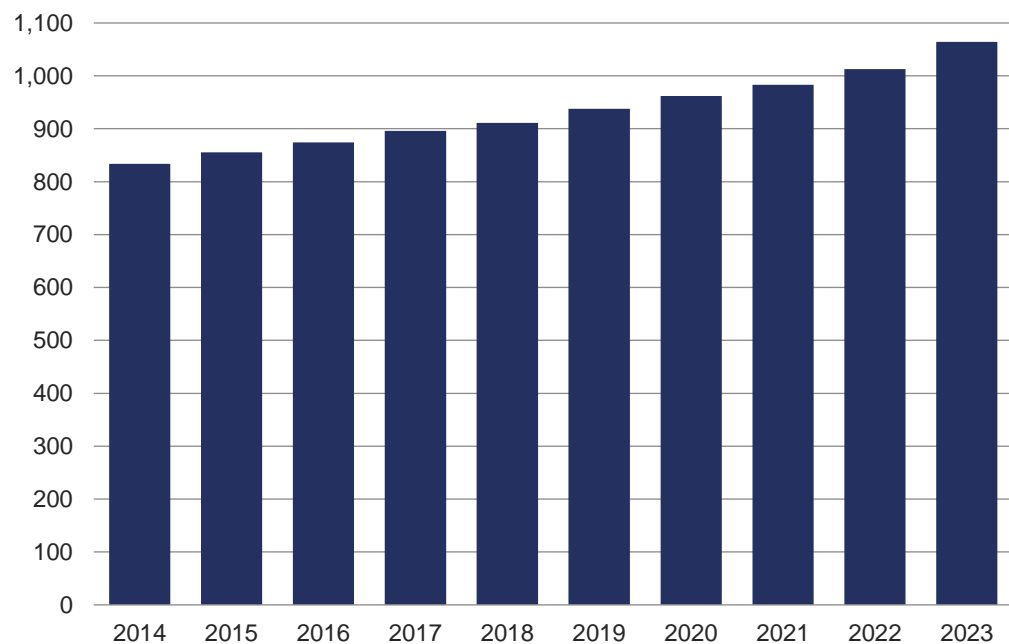
Gross electricity generation [GWh]



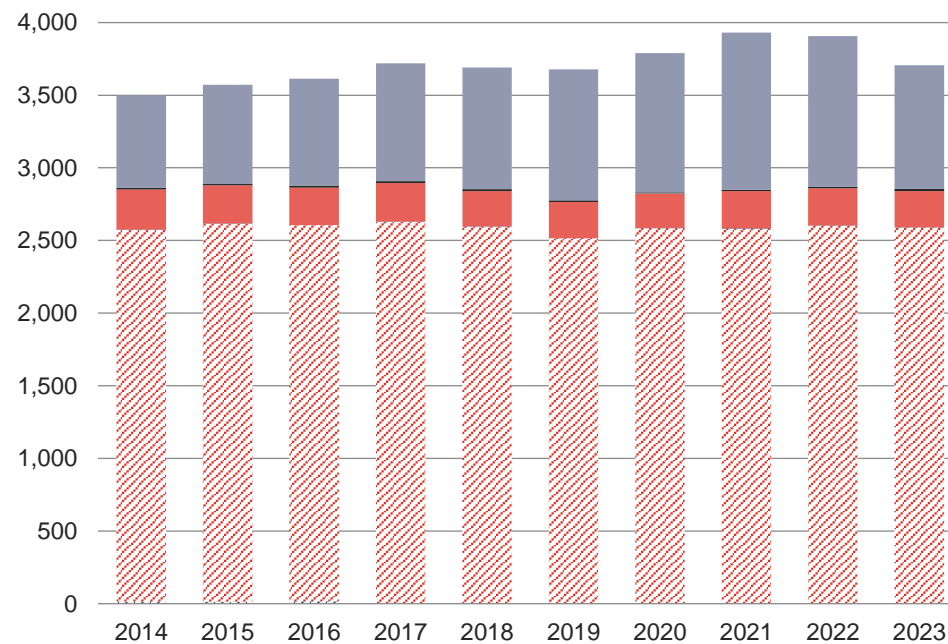
5.3 Gas fired power stations

	Gross electricity generation	Own use (process only) for electricity generation	Own use (process only) for heat production	Net electricity generation	Total installed electrical capacity
	[GWh]	[GWh]	[GWh]	[GWh]	[MW _e]
Gas fired power stations (GFPS)	3,706.9	219.5	34.1	3,487.5	1,063.4
/// Biomass	0.8	0.0	0.0	0.8	
/// Biogas	2,590.2	188.9	21.8	2,401.3	
■ Hard coal	0.0	0.0	0.0	0.0	
■ Brown coal	0.0	0.0	0.0	0.0	
■ Coke	0.0	0.0	0.0	0.0	
■ Waste heat	0.0	0.0	0.0	0.0	
■ Other liquid fuels	0.3	0.0	0.0	0.3	
■ Other solid fuels	0.0	0.0	0.0	0.0	
■ Other gases	249.0	9.7	0.1	239.3	
■ Other	0.3	0.0	0.0	0.3	
■ Fuel oils	16.1	1.3	0.1	14.9	
■ Natural gas	850.2	19.6	12.1	830.6	

Installed capacity [MW]



Gross electricity generation [GWh]



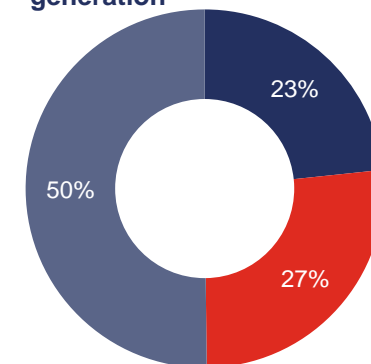
5.4 Hydroelectric, including pumped storage, power stations

	Total installed capacity	Gross electricity generation	Own use (process only) for electricity generation	Net electricity generation	Electricity supply to the grid
	[MW _e]	[MWh]	[MWh]	[MWh]	[MWh]
Hydroelectric power stations (HE) ^{*)}	1,116.9	2,362,978.0	17,719.3	2,345,258.8	2,264,450.5
■ up to 1 MW	161.2	551,277.3	5,712.3	545,565.1	500,517.2
■ from 1 MW inclusive to 10 MW	183.9	625,912.0	7,174.5	618,737.4	584,496.4
■ from 10 MW inclusive	771.8	1,185,788.7	4,832.5	1,180,956.3	1,179,436.9

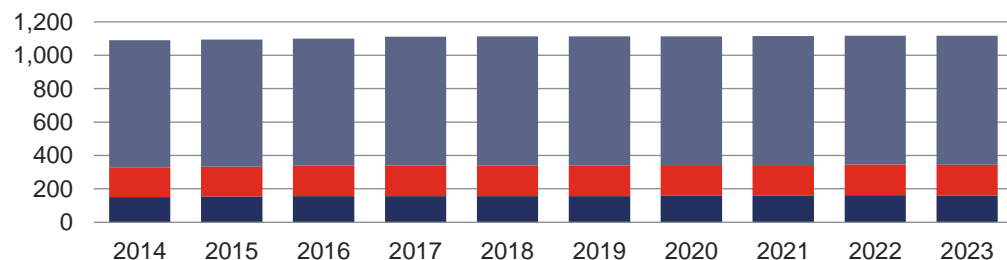
^{*)} categorised by installed capacity of the plant

	Total installed capacity	Gross electricity generation	Electricity consumption for pumping	Net electricity generation	Electricity supply to the grid
	[MW _e]	[MWh]	[MWh]	[MWh]	[MWh]
Pumped storage hydroelectric power stations (PSHE)	1,171.5	1,064,433.6	1,370,612.3	1,050,491.1	1,058,694.6

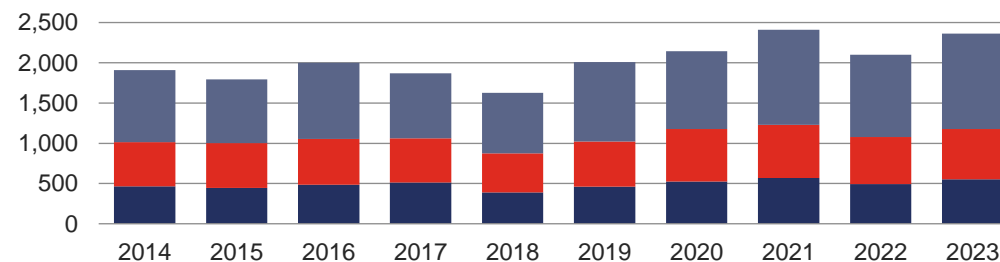
Shares of HE categories in gross electricity generation



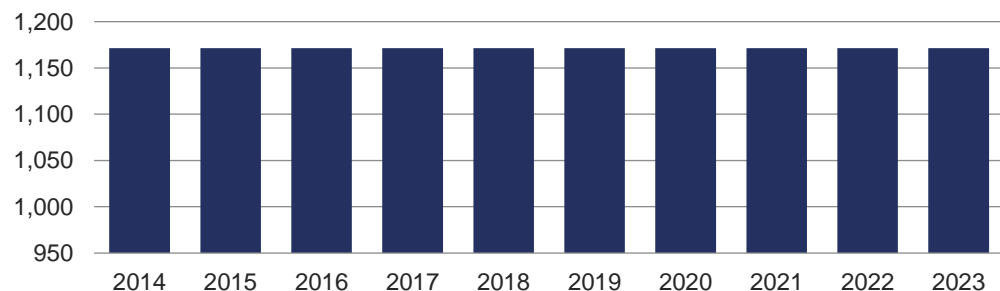
Installed capacity [MW], HE



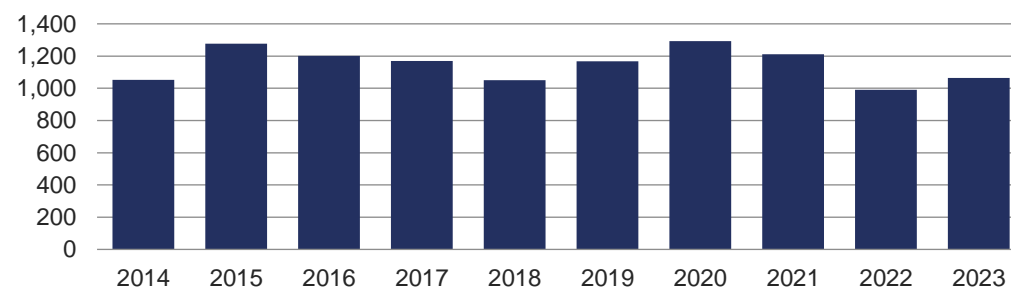
Gross electricity generation [GWh], HE



Installed capacity [MW], PSHE



Gross electricity generation [GWh], PSHE

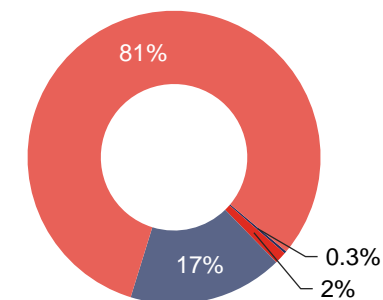


5.5 Wind power plants

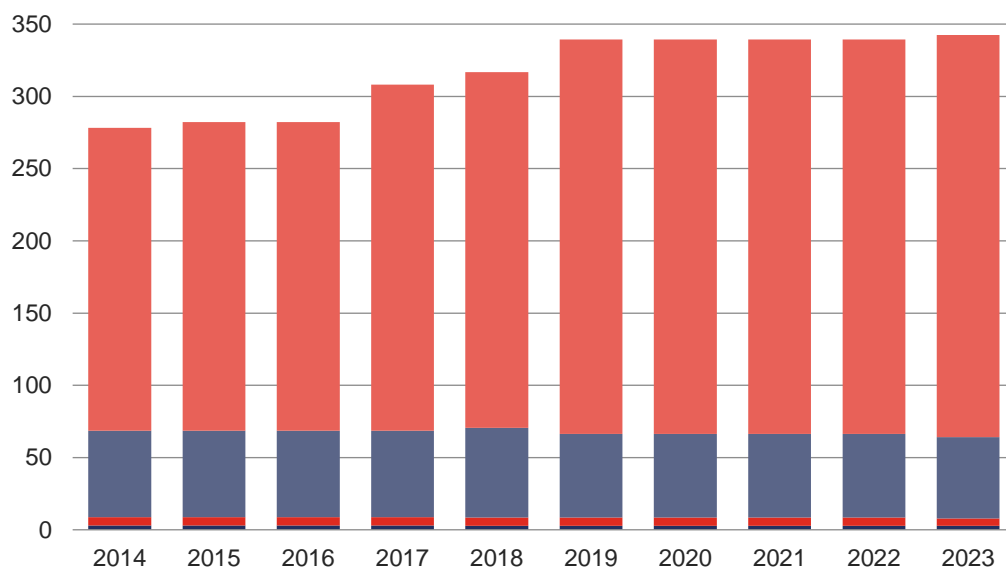
	Total installed capacity	Gross electricity generation	Own use (process only) for electricity generation	Net electricity generation	Electricity supply to the grid
	[MW _e]	[MWh]	[MWh]	[MWh]	[MWh]
Wind power plants (WPP) ^{*)}	342.5	701,641.0	8,326.9	693,314.0	693,243.9
■ up to 0.5 MW inclusive	2.6	1,868.7	40.6	1,828.1	1,795.3
■ over 0.5 to 1 MW inclusive	5.2	9,354.5	100.7	9,253.8	9,223.7
■ over 1 to 2 MW inclusive	56.4	119,832.0	1,024.1	118,807.9	118,815.8
■ over 2 MW	278.3	570,585.8	7,161.5	563,424.3	563,409.1

^{*)} categorised by installed capacity of the plant

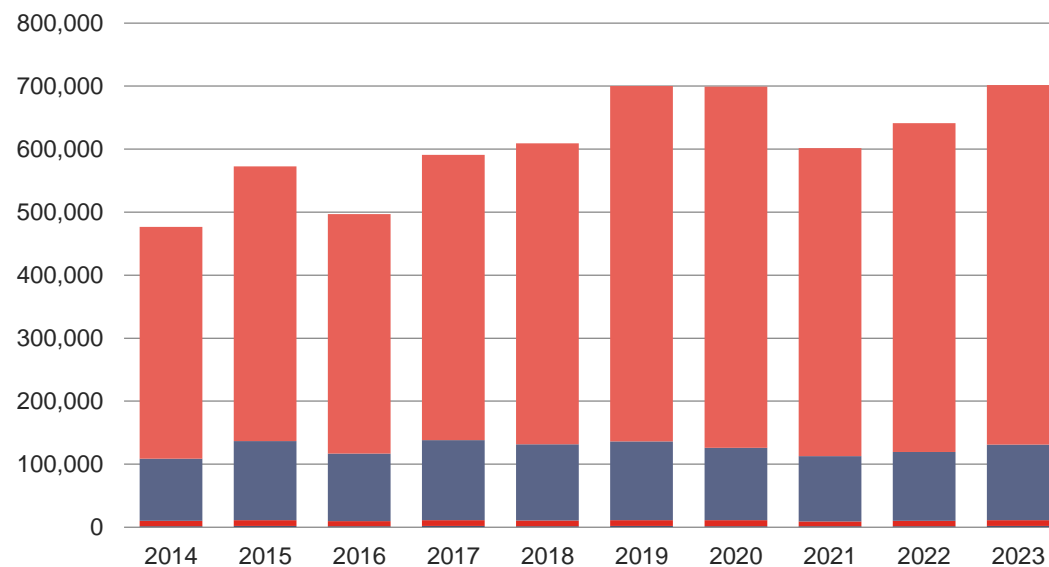
Shares of WPP categories in gross electricity generation



Installed capacity [MW]



Gross electricity generation [MWh]

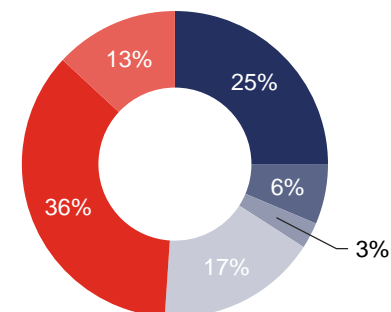


5.6 Photovoltaic plants

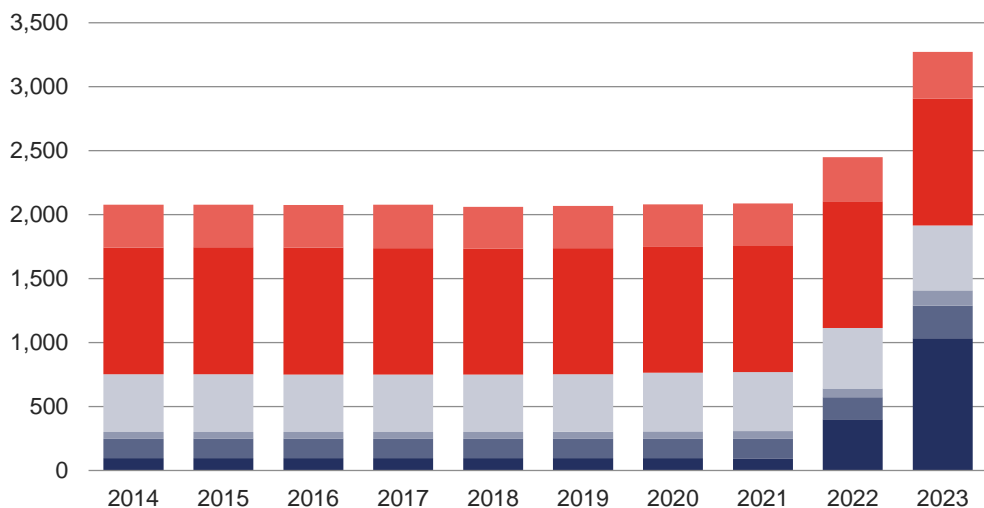
	Total installed capacity	Gross electricity generation	Own use (process only) for electricity generation	Net electricity generation	Electricity supply to the grid
	[MW _e]	[MWh]	[MWh]	[MWh]	[MWh]
Photovoltaic plants (PV) ¹⁾	3,272.3	2,892,065.6	20,745.4	2,871,320.2	2,280,551.6
■ up to 10 kW inclusive	1,034.3	722,836.6	63.4	722,773.2	301,074.9
■ over 10 to 30 kW inclusive	253.5	183,549.9	636.6	182,913.3	104,376.5
■ over 30 kW to 100 kW inclusive	118.7	80,159.4	774.5	79,384.9	48,153.5
■ over 100 kW to 1 MW inclusive	508.3	490,353.4	7,158.4	483,195.1	433,980.3
■ over 1 to 5 MW inclusive	993.4	1,036,346.6	6,985.0	1,029,361.6	1,018,649.4
■ over 5 MW	364.0	378,819.6	5,127.6	373,692.1	374,316.9

¹⁾ categorised by installed capacity of the plant

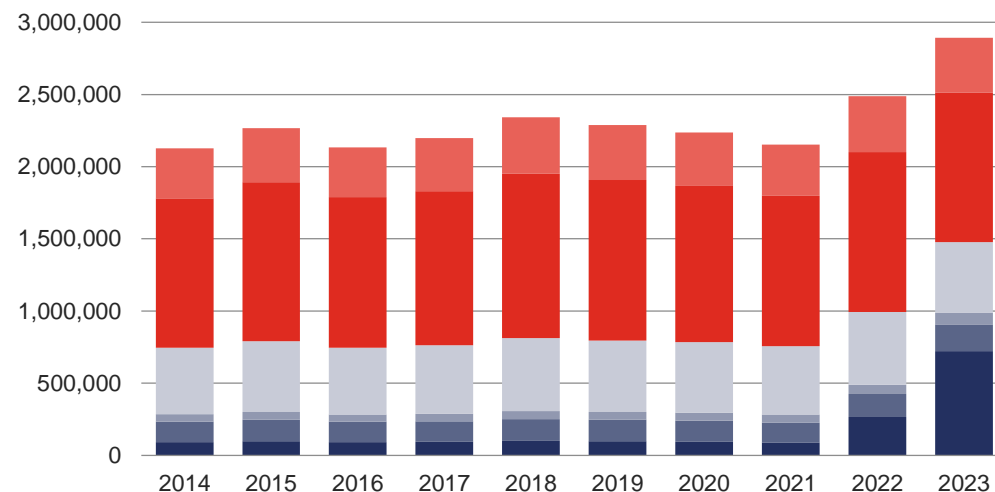
Shares of PV categories in gross electricity generation



Installed capacity [MW]



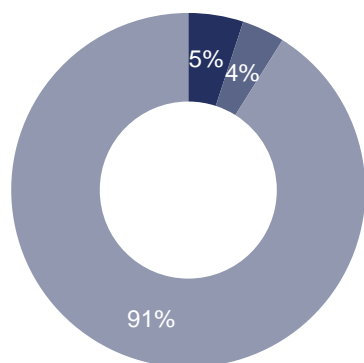
Gross electricity generation [MWh]



5.7 Combined heat and power generation

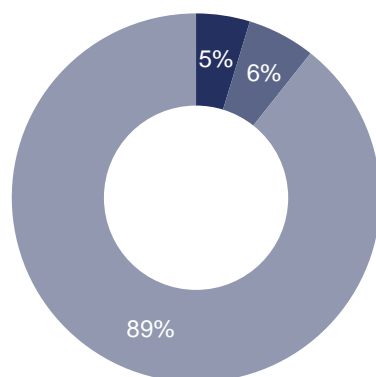
	CHP up to 1 MW _e inclusive		CHP over 1 MW _e to 5 MW _e inclusive		CHP over 5 MW _e		Total CHP	
	Gross electricity generation	Useful heat supply	Gross electricity generation	Useful heat supply	Gross electricity generation	Useful heat supply	Gross electricity generation	Useful heat supply
	[GWh]	[TJ]	[GWh]	[TJ]	[GWh]	[TJ]	[GWh]	[TJ]
Combined heat and power generation (CHP)	1,720.4	5,154.5	1,195.3	5,911.4	6,420.6	73,098.3	9,336.2	84,164.2
▨ Biomass	10.2	458.6	53.4	496.0	1,256.3	13,642.4	1,319.8	14,597.1
▨ Biogas	1,160.7	1,177.8	635.7	668.6	39.0	95.9	1,835.4	1,942.4
■ Hard coal	0.1	6.8	25.2	829.1	627.8	7,250.0	653.1	8,085.9
■ Brown coal	14.1	716.7	26.2	815.4	3,412.3	40,161.9	3,452.6	41,694.1
■ Coke	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
■ Waste heat	0.1	3.2	17.4	551.0	11.5	222.2	29.0	776.3
■ Other liquid fuels	0.0	0.0	9.9	192.0	2.2	69.2	12.1	261.2
■ Other solid fuels	1.1	32.3	17.3	553.4	167.3	2,014.4	185.7	2,600.1
■ Other gases	6.6	26.3	66.2	158.4	212.0	3,845.1	284.8	4,029.7
■ Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
■ Fuel oils	4.3	10.1	1.9	0.9	2.1	21.7	8.3	32.7
■ Natural gas	523.1	2,722.8	342.1	1,646.5	690.1	5,775.6	1,555.4	10,144.9
Total installed electrical capacity [MW_e]	495.7		385.5		8,989.8		9,871.0	
Total installed thermal capacity [MW_t]		919.2		1,158.7		17,397.5		19,475.4

Share of installed electrical capacity in CHP



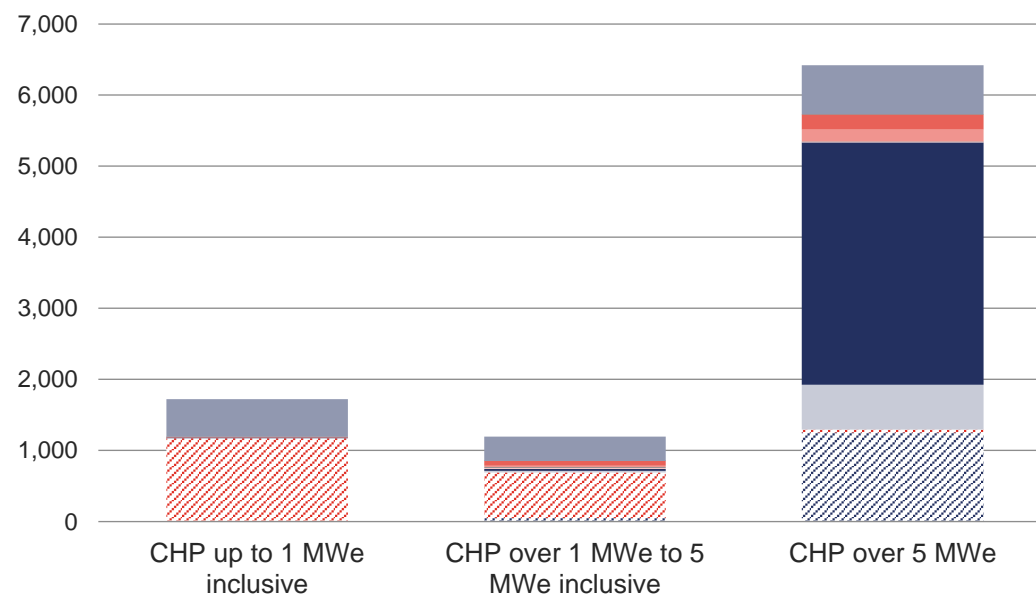
- CHP up to 1 MWe inclusive
- CHP over 1 MWe to 5 MWe inclusive
- CHP over 5 MWe

Share of installed thermal capacity in CHP



- CHP up to 1 MWe inclusive
- CHP over 1 MWe to 5 MWe inclusive
- CHP over 5 MWe

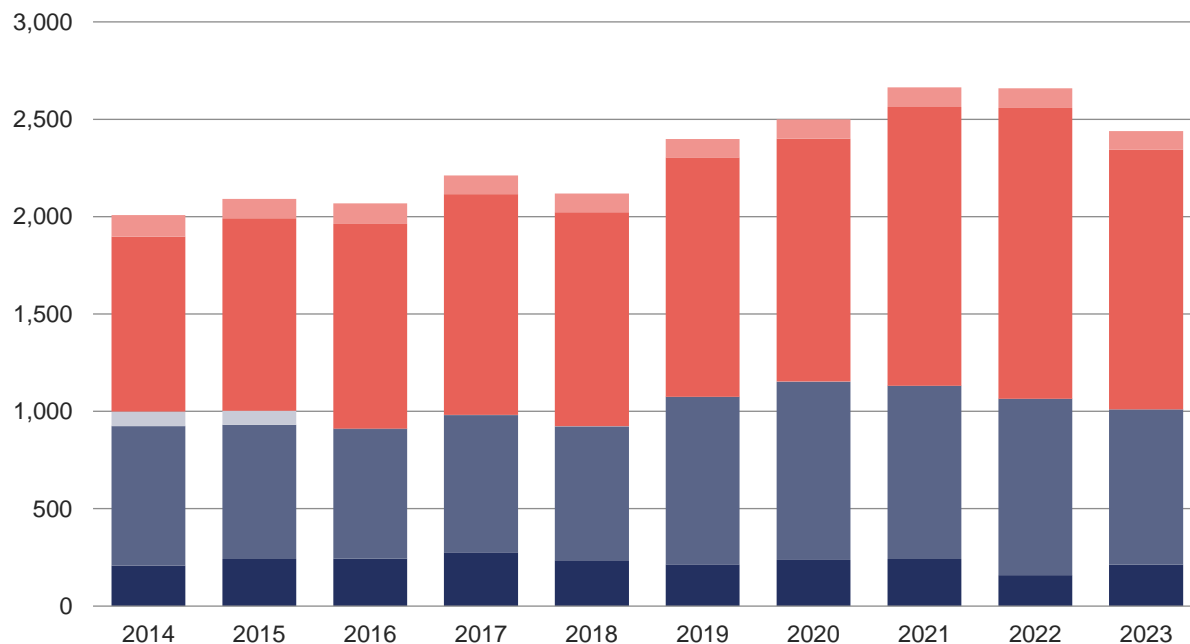
Shares of fuels in gross electricity generation in CHP [GWh]



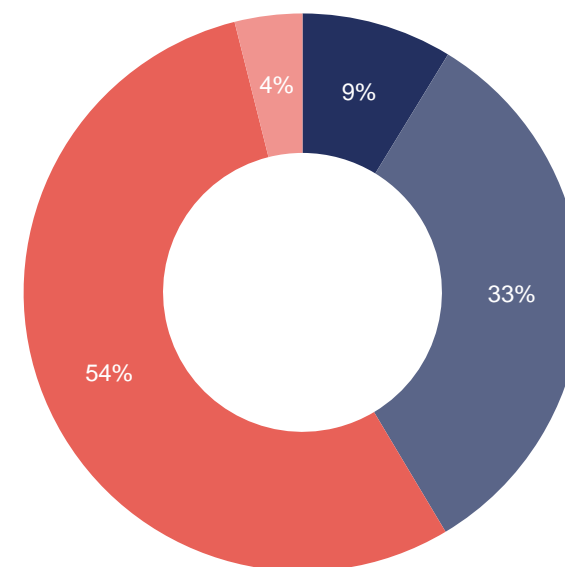
5.8 Generation from biomass

	Gross electricity generation	Own use (process only) for electricity generation	Own use (process only) for heat production	Net electricity generation
	[MWh]	[MWh]	[MWh]	[MWh]
Biomass	2,438,499.0	192,902.8	111,689.3	2,245,596.2
■ Briquettes and pellets	213,169.8	29,149.3	4,826.7	184,020.5
■ Black liquor	796,927.6	22,012.8	40,250.8	774,914.8
■ Liquid biofuels	0.8	0.0	0.0	0.8
■ Other biomass	0.0	0.0	0.0	0.0
■ Fuel wood	0.0	0.0	0.0	0.0
■ Saw dust, bark, chips, wood waste	1,332,825.2	134,460.5	65,711.2	1,198,364.7
■ Straw and other vegetable materials	95,575.7	7,280.2	900.7	88,295.4

Gross electricity generation [GWh]



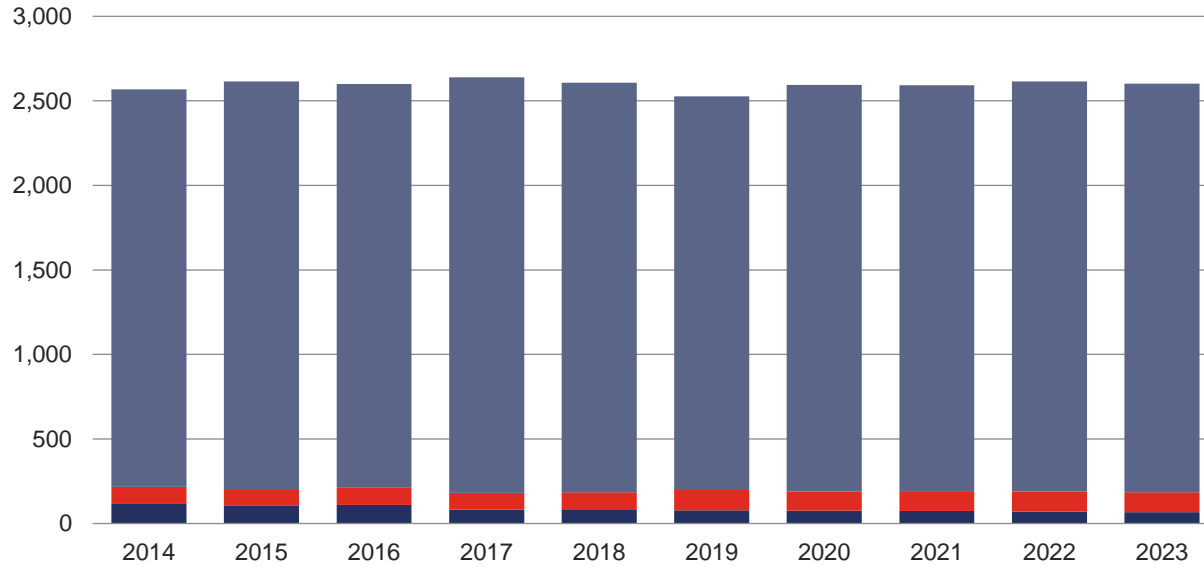
Shares of biomass categories in gross electricity generation



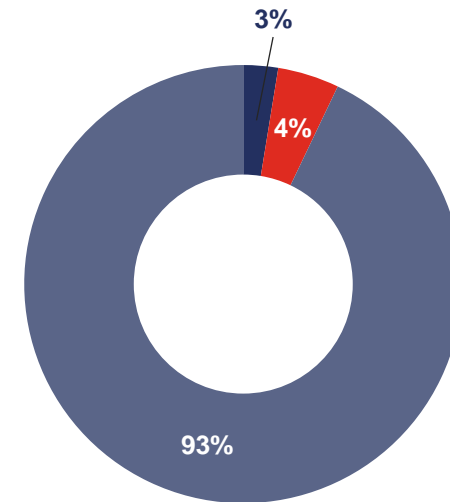
5.9 Generation from biogas

	Gross electricity generation	Own use (process only) for electricity generation	Own use (process only) for heat production	Net electricity generation
	[MWh]	[MWh]	[MWh]	[MWh]
Biogas	2,601,042.3	189,406.5	22,734.0	2,411,635.8
■ Landfill gas	66,594.7	4,867.7	25.8	61,727.1
■ Sludge gas (WWTP)	118,149.3	9,256.2	3,612.0	108,893.1
■ Other biogas	2,416,298.3	175,282.6	19,096.2	2,241,015.7

Gross electricity generation [GWh]



Shares of biogas categories in gross electricity generation

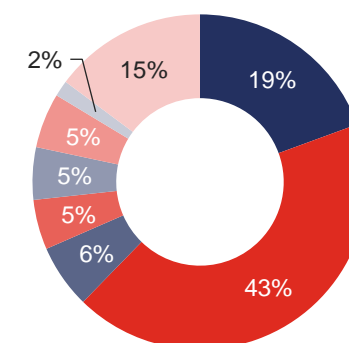


6 INSTALLED CAPACITY IN THE CZECH ELECTRICITY GRID AND ITS BREAKDOWN BY CZECH REGIONS AS AT 31 DECEMBER 2023 [MW]

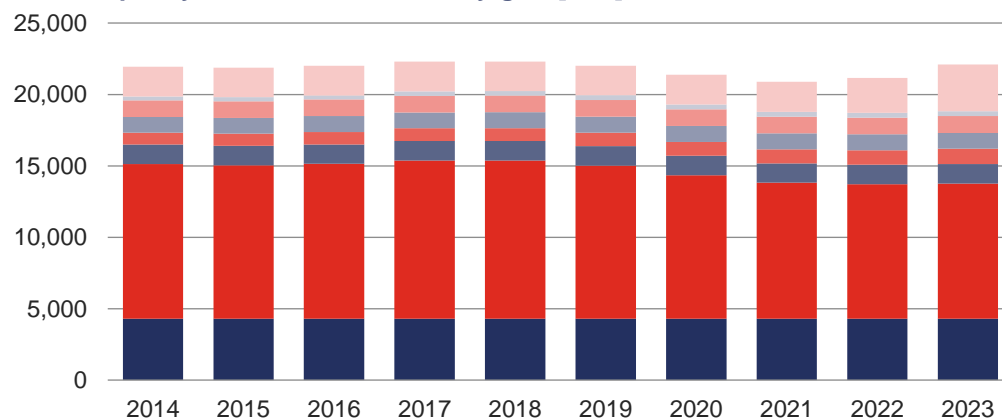
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Czech Republic	21,940.9	21,877.6	22,007.0	22,293.6	22,302.6	22,014.3	21,378.5	20,877.6	21,160.2	22,093.4
■ Nuclear (NPP)	4,290.0	4,290.0	4,290.0	4,290.0	4,290.0	4,290.0	4,290.0	4,290.0	4,290.0	4,290.0
■ Thermal (TPS)	10,836.7	10,741.9	10,850.0	11,075.5	11,075.4	10,729.9	10,058.8	9,527.7	9,415.9	9,472.3
■ Combined cycle (CC)	1,363.0	1,363.3	1,363.5	1,363.5	1,363.5	1,363.5	1,363.5	1,363.5	1,363.5	1,363.5
■ Gas fired (GFPS)	833.7	855.6	874.0	896.0	910.9	937.7	961.7	983.2	1,013.1	1,064.4
■ Hydro (HE)	1,091.0	1,095.0	1,100.2	1,112.3	1,112.5	1,113.2	1,113.9	1,114.6	1,118.1	1,116.9
■ Pumped storage (PSHE)	1,171.5	1,171.5	1,171.5	1,171.5	1,171.5	1,171.5	1,171.5	1,171.5	1,171.5	1,171.5
■ Wind (WPP)	278.2	282.2	282.2	308.2	316.7	339.4	339.4	339.4	339.3	342.5
■ Photovoltaic (PV)	2,076.8	2,078.3	2,075.7	2,076.6	2,062.0	2,069.1	2,079.5	2,087.7	2,448.9	3,272.3

	NPP	TPS	CC	GFPS	HE	PSHE	WPP	PV	Total
Total Czech Republic	4,290.0	9,472.3	1,363.5	1,064.4	1,116.9	1,171.5	342.5	3,272.3	22,093.4
Prague	0.0	17.4	0.0	36.4	11.2	0.0	0.0	53.3	118.3
Jihočeský Region	2,250.0	215.4	0.0	56.2	176.5	0.0	0.0	341.4	3,039.5
Jihomoravský Region	0.0	226.3	118.5	88.0	35.1	0.0	8.4	603.8	1,080.1
Karlovarský Region	0.0	540.2	400.0	22.7	7.8	0.0	67.6	34.5	1,072.8
Vysočina Region	2,040.0	14.8	0.0	89.5	17.1	475.0	11.9	164.1	2,812.3
Královéhradecký Region	0.0	182.6	0.0	61.8	30.7	0.0	10.2	160.1	445.4
Liberecký Region	0.0	4.8	0.0	42.0	24.7	0.0	48.6	151.0	271.1
Moravskoslezský Region	0.0	1,296.2	0.0	97.9	18.3	0.0	28.4	178.7	1,619.4
Olomoucký Region	0.0	100.4	0.0	124.7	13.4	650.0	45.9	182.2	1,116.6
Pardubický Region	0.0	1,293.7	0.0	67.5	30.0	0.0	23.0	163.1	1,577.3
Plzeňský Region	0.0	262.1	0.0	72.6	21.3	1.5	5.3	291.8	654.6
Středočeský Region	0.0	1,151.9	0.0	211.5	645.4	45.0	6.1	469.0	2,528.8
Ústecký Region	0.0	4,034.8	845.0	57.1	77.6	0.0	86.8	239.3	5,340.6
Zlínský Region	0.0	131.7	0.0	36.8	7.8	0.0	0.3	240.0	416.5

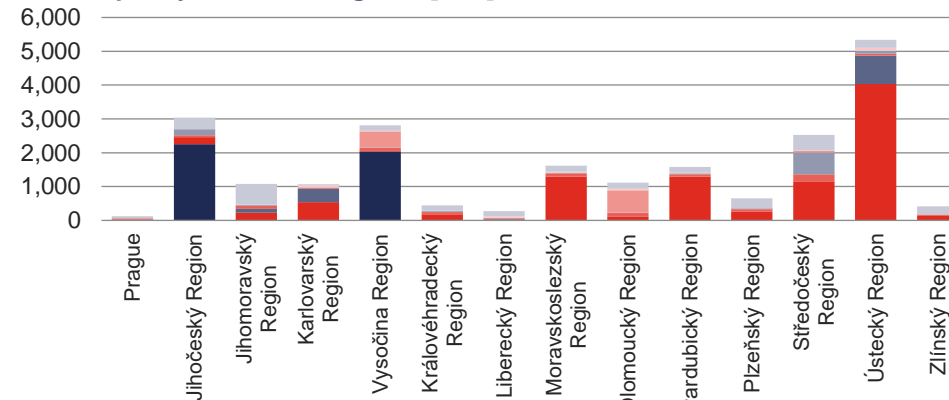
Shares of installed capacity in the Czech electricity grid in 2023



Installed capacity in the Czech electricity grid [MW] as at 31 December 2023



Installed capacity in Czech Regions [MW] as at 31 December 2023

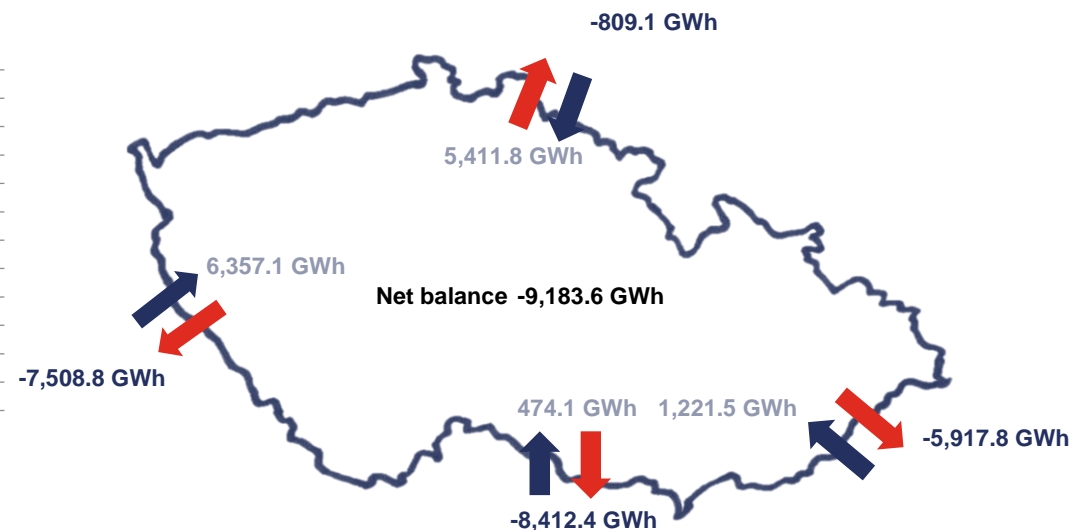
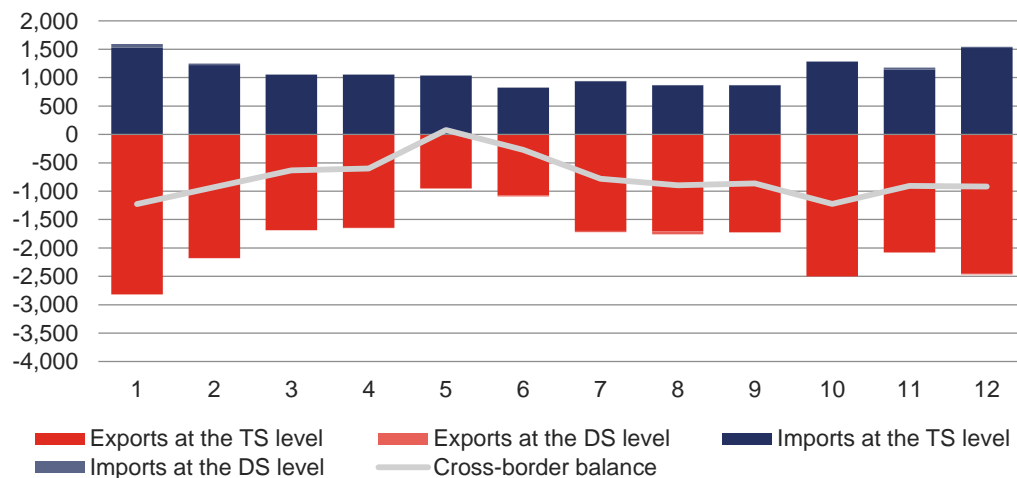


7 CROSS-BORDER FLOWS

7.1 Cross-border physical flows [GWh]

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Cross-border balance	-1,226.4	-930.3	-631.0	-601.1	76.9	-275.3	-783.5	-898.8	-862.2	-1,226.1	-906.6	-919.2	-9,183.6
Total exports	-2,819.2	-2,177.6	-1,682.0	-1,649.8	-956.4	-1,095.3	-1,723.7	-1,763.2	-1,728.3	-2,506.4	-2,081.4	-2,465.0	-22,648.1
Exports at the TS level	-2,818.1	-2,175.3	-1,681.9	-1,643.5	-944.2	-1,075.3	-1,700.9	-1,706.8	-1,722.0	-2,501.3	-2,076.1	-2,457.0	-22,502.5
to Poland	-7.5	-6.7	-14.7	-45.6	-59.2	-132.4	-87.1	-87.4	-55.1	-35.8	-64.4	-69.3	-665.4
to Germany	-791.4	-735.9	-680.3	-721.8	-303.9	-397.7	-472.4	-707.1	-640.0	-600.7	-784.5	-672.9	-7,508.8
to Austria	-1,166.9	-889.3	-708.2	-568.0	-266.4	-323.4	-640.8	-567.2	-677.4	-1,136.1	-679.2	-789.4	-8,412.4
to Slovakia	-852.3	-543.4	-278.6	-308.1	-314.6	-221.7	-500.5	-345.0	-349.5	-728.6	-548.1	-925.5	-5,915.9
Exports at the DS level	-1.0	-2.3	-0.1	-6.3	-12.1	-20.0	-22.8	-56.3	-6.2	-5.2	-5.2	-8.0	-145.6
to Poland	-1.0	-2.2	0.0	-6.2	-11.9	-20.0	-22.4	-56.3	-6.1	-5.0	-4.6	-7.9	-143.7
to Germany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
to Austria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
to Slovakia	-0.1	-0.1	-0.1	-0.1	-0.2	0.0	-0.4	0.0	-0.1	-0.2	-0.6	0.0	-1.9
Total imports	1,592.8	1,247.3	1,051.0	1,048.7	1,033.2	820.1	940.2	864.3	866.1	1,280.4	1,174.8	1,545.8	13,464.5
Imports at the TS level	1,529.1	1,220.9	1,050.8	1,048.5	1,033.1	819.9	938.7	864.3	865.5	1,280.3	1,137.7	1,523.4	13,312.2
from Poland	764.9	428.4	139.5	460.6	423.7	211.0	360.3	337.0	390.9	625.6	522.1	598.8	5,262.9
from Germany	742.7	727.4	659.0	444.1	389.3	348.5	505.9	269.9	302.9	611.9	512.8	842.6	6,357.1
from Austria	2.5	7.0	32.2	56.7	104.2	82.4	26.9	57.2	45.1	7.1	32.5	20.3	474.1
from Slovakia	19.0	58.1	220.1	87.1	115.8	177.9	45.6	200.1	126.8	35.6	70.4	61.7	1,218.2
Imports at the DS level	63.6	26.4	0.2	0.2	0.2	0.1	1.5	0.1	0.5	0.1	37.0	22.4	152.3
from Poland	63.5	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.9	22.3	149.0
from Germany	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
from Austria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
from Slovakia	0.1	0.1	0.2	0.2	0.2	0.1	1.5	0.1	0.5	0.1	0.1	0.1	3.4

Cross-border physical flows [GWh]



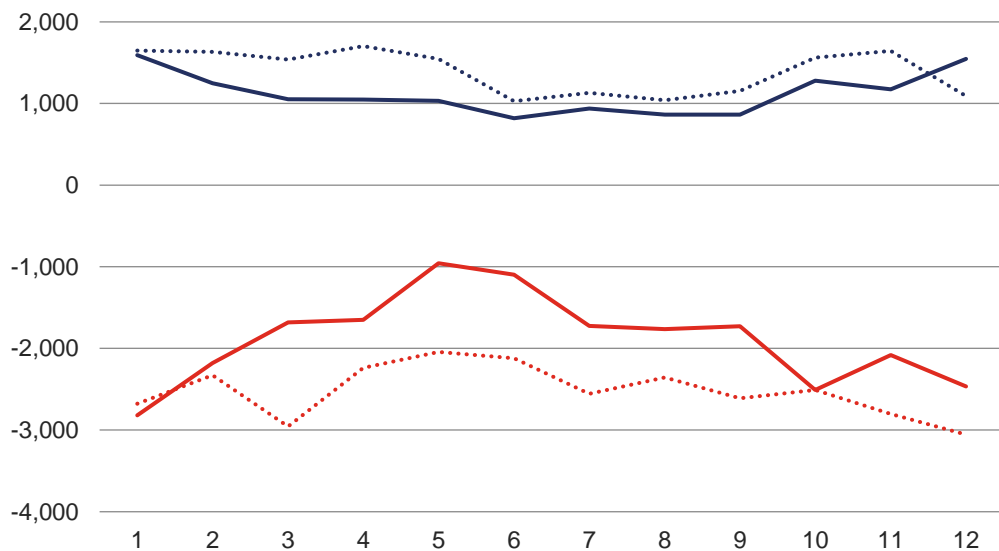
7.2 Year-on-year change in cross-border physical flows [GWh]

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Cross-border balance in 2022	-1,026.0	-697.3	-1,417.0	-535.1	-496.1	-1,092.9	-1,423.9	-1,313.4	-1,454.7	-948.5	-1,158.8	-1,965.1	-13,528.8
Total exports in 2022	-2,675.2	-2,329.3	-2,957.2	-2,238.5	-2,042.9	-2,121.6	-2,555.8	-2,355.5	-2,610.0	-2,509.8	-2,804.2	-3,055.0	-30,254.9
Total imports in 2022	1,649.2	1,632.0	1,540.2	1,703.4	1,546.8	1,028.7	1,131.9	1,042.1	1,155.2	1,561.3	1,645.4	1,089.9	16,726.1
Cross-border balance in 2023	-1,226.4	-930.3	-631.0	-601.1	76.9	-275.3	-783.5	-898.8	-862.2	-1,226.1	-906.6	-919.2	-9,183.6
Total exports in 2023	-2,819.2	-2,177.6	-1,682.0	-1,649.8	-956.4	-1,095.3	-1,723.7	-1,763.2	-1,728.3	-2,506.4	-2,081.4	-2,465.0	-22,648.1
Total imports in 2023	1,592.8	1,247.3	1,051.0	1,048.7	1,033.2	820.1	940.2	864.3	866.1	1,280.4	1,174.8	1,545.8	13,464.5
Year-on-year change in the cross-border balance	-200.4	-233.0	786.0	-66.0	573.0	817.6	640.4	414.6	592.6	-277.6	252.2	1,045.9	4,345.3
	19.5%	33.4%	-55.5%	12.3%	-115.5%	-74.8%	-45.0%	-31.6%	-40.7%	29.3%	-21.8%	-53.2%	-32.1%

7.3 Development of cross-border physical flows [TWh]

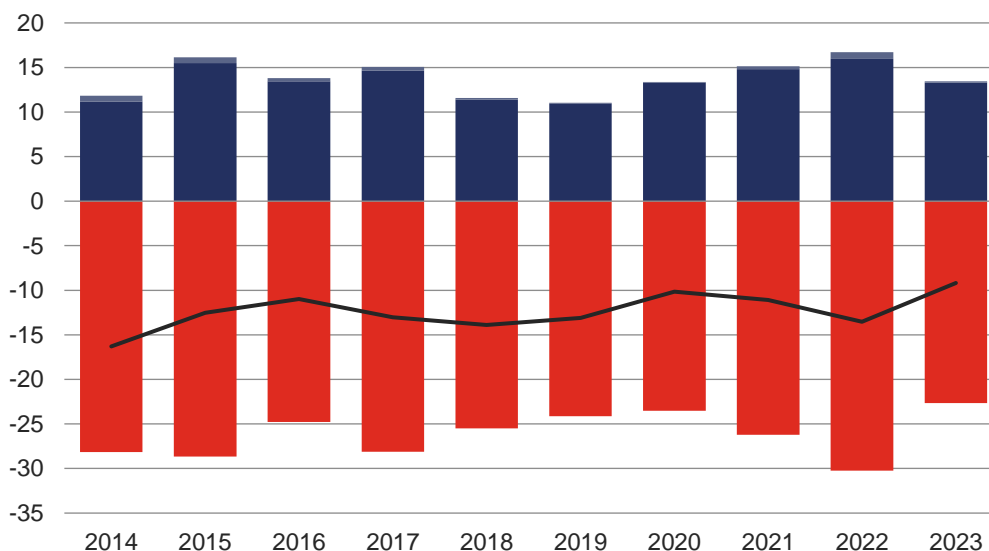
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Cross-border balance	-16.3	-12.5	-11.0	-13.0	-13.9	-13.1	-10.2	-11.1	-13.5	-9.2
Exports at 110, 220 and 400 kV	-28.1	-28.7	-24.8	-28.1	-25.5	-24.1	-23.5	-26.2	-30.3	-22.6
Imports at 220 and 400 kV	11.2	15.5	13.4	14.6	11.4	11.0	13.3	14.8	16.0	13.3
Imports at 110 kV	0.7	0.7	0.4	0.4	0.2	0.1	0.1	0.3	0.8	0.2

Cross-border flows [GWh]



..... Total exports in 2022 Total imports in 2022
——— Total exports in 2023 ——— Total imports in 2023

Development of cross-border physical flows [TWh]



■ Exports at 110, 220 and 400 kV ■ Imports at 220 and 400 kV
■ Imports at 110 kV — Cross-border balance

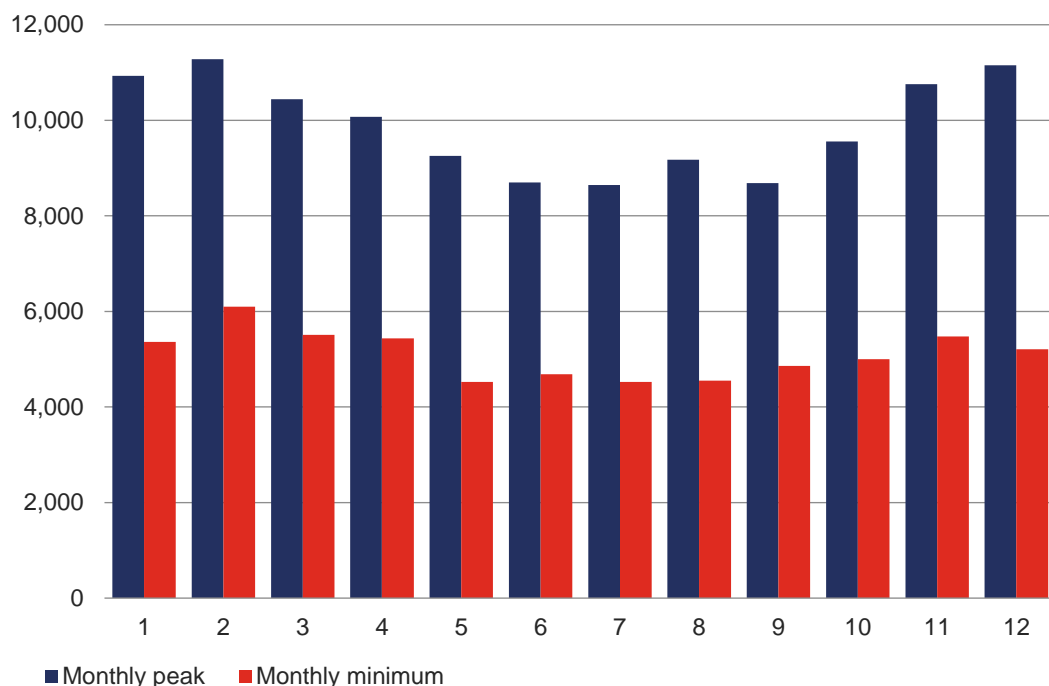
8 PEAK AND MINIMUM LOADS

8.1 Monthly peak and minimum gross loads in the Czech electricity grid

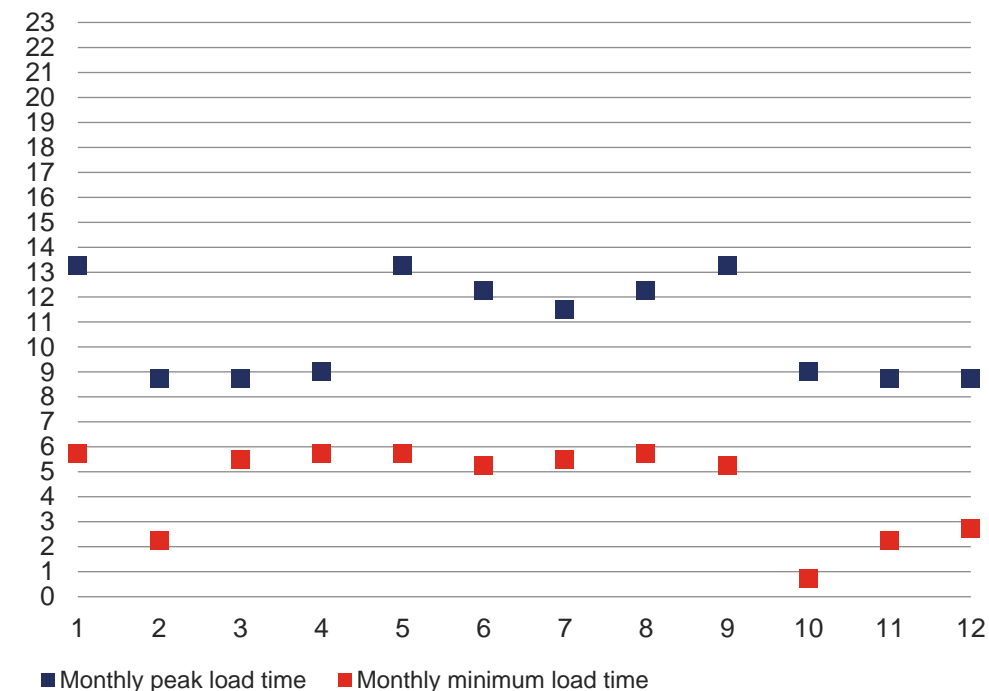
	January	February	March	April	May	June	July	August	September	October	November	December
Monthly peak [MW]	10,927.3	11,277.8	10,438.3	10,072.3	9,252.4	8,697.0	8,648.9	9,176.6	8,684.4	9,555.6	10,755.1	11,150.9
Date	26. 1.	7. 2.	1. 3.	4. 4.	18. 5.	21. 6.	19. 7.	22. 8.	12. 9.	18. 10.	29. 11.	4. 12.
Time ^{*)}	13:15	8:45	8:45	9:00	13:15	12:15	11:30	12:15	13:15	9:00	8:45	8:45
Monthly minimum [MW]	5,359.8	6,099.4	5,512.5	5,432.6	4,521.6	4,686.3	4,523.3	4,551.3	4,862.9	4,998.3	5,477.1	5,210.4
Date	1. 1.	19. 2.	26. 3.	23. 4.	7. 5.	11. 6.	30. 7.	6. 8.	3. 9.	1. 10.	5. 11.	26. 12.
Time ^{*)}	5:45	2:15	5:30	5:45	5:45	5:15	5:30	5:45	5:15	0:45	2:15	2:45

^{*)} Central European time; from 26. March to 29. October, Central European summer time

Monthly peak and minimum loads [MW]



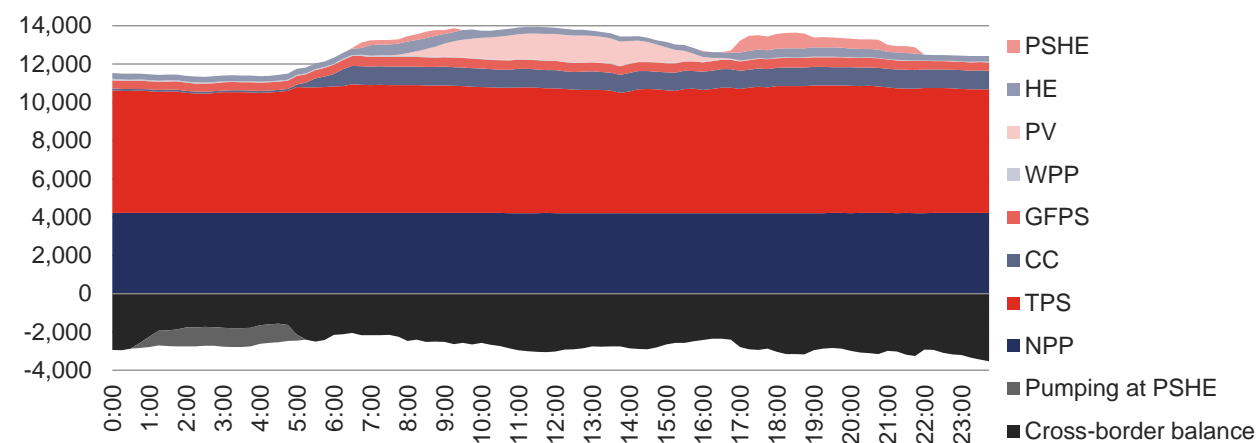
Peak load time and minimum load time



8.2 Structure of meeting the year's daily peak/minimum loads on the Czech grid in 2023

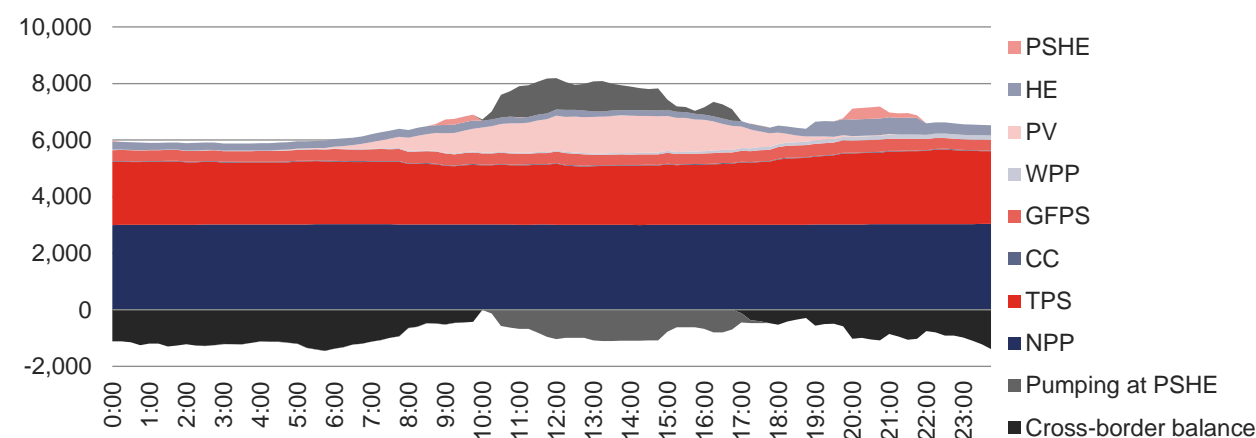
Structure of meeting the daily peak load (7. 2. 2023 08:45)		
	[MW]	
Gross load	11,277.8	100%
Nuclear power plants (NPP)	4,214.7	37%
Thermal power stations (TPS)	6,656.3	59%
Combined cycle plants (CC)	973.7	9%
Gas fired power stations (GFPS)	498.0	4%
Hydroelectric power stations (HE)	562.3	5%
Pumped storage power stations (PSHE)	301.4	3%
Photovoltaic plants (PV)	517.2	5%
Wind power plants (WPP)	49.7	0%
Cross-border balance	-2,495.5	-22%
Pumping at PSHE	0.0	0%

Gross load on the peak load day [MW]



Structure of meeting the daily minimum load (7. 5. 2023 05:45)		
	[MW]	
Gross load	4,521.6	100%
Nuclear power plants (NPP)	3,021.8	67%
Thermal power stations (TPS)	2,227.0	49%
Combined cycle plants (CC)	24.2	1%
Gas fired power stations (GFPS)	389.8	9%
Hydroelectric power stations (HE)	254.6	6%
Pumped storage power stations (PSHE)	0.0	0%
Photovoltaic plants (PV)	38.8	1%
Wind power plants (WPP)	21.1	0%
Cross-border balance	-1,450.4	-32%
Pumping at PSHE	-5.4	0%

Gross load on the minimum load day [MW]

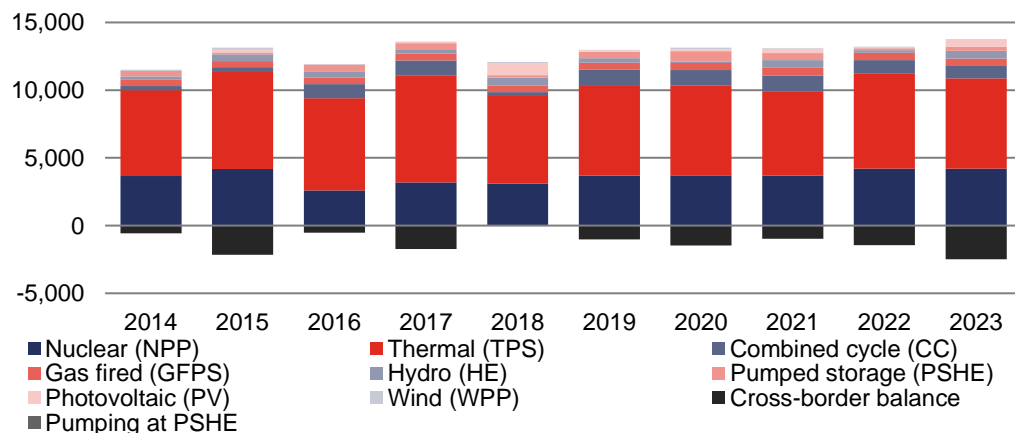


8.3 Days of the peak and minimum loads on the Czech grid between 2014 and 2023

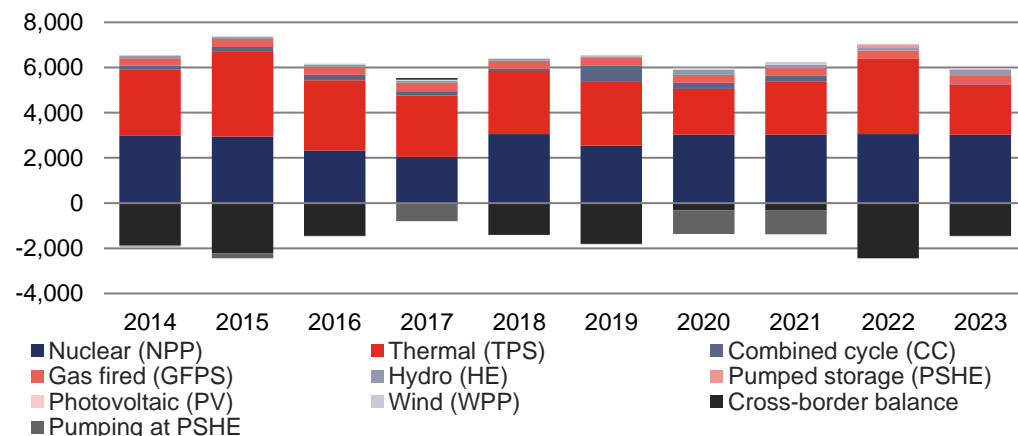
Peak load days	NPP	TPS	CC	GFPS	HE	PSHE	PV	WPP	Cross-border balance	Pumping at PSHE	OU _e	Gross load	Load (w/o OU _e)	Gross consumption
Date/Time	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MWh]
10/ 12/ 2014 16:30	3,665	6,322	321	485	223	403	0	99	-567	0	-814	10,952	10,137	10,952
09/ 02/ 2015 12:00	4,173	7,176	344	450	509	122	206	163	-2,165	0	-895	10,978	10,083	10,978
05/ 12/ 2016 16:30	2,605	6,790	1,062	476	469	485	1	55	-518	0	-781	11,425	10,644	11,425
24/ 01/ 2017 10:00	3,196	7,854	1,143	488	348	449	86	1	-1,729	0	-873	11,835	10,962	11,835
28/ 02/ 2018 09:45	3,090	6,489	269	471	608	184	891	77	-27	0	-782	12,053	11,271	12,053
24/ 01/ 2019 13:15	3,692	6,671	1,177	492	332	461	127	26	-1,027	0	-817	11,951	11,134	11,951
22/ 01/ 2020 09:15	3,697	6,632	1,161	514	131	739	138	129	-1,474	0	-822	11,665	10,843	11,665
15/ 02/ 2021 08:45	3,679	6,201	1,206	554	581	514	331	55	-963	0	-803	12,159	11,356	12,159
14/ 12/ 2022 13:15	4,203	7,039	965	548	191	151	43	70	-1,435	0	-950	11,774	10,824	11,774
07/ 02/ 2023 08:45	4,215	6,656	974	498	562	301	517	50	-2,495	0	-854	11,278	10,424	11,278

Minimum load days	NPP	TPS	CC	GFPS	HE	PSHE	PV	WPP	Cross-border balance	Pumping at PSHE	OU _e	Gross load	Load (w/o OU _e)	Gross consumption
Date/Time	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MW]	[MWh]
10/ 08/ 2014 05:45	3,000	2,897	185	333	91	0	7	45	-1,871	-52	-493	4,636	4,144	4,636
02/ 08/ 2015 05:45	2,946	3,786	173	364	78	0	4	27	-2,232	-217	-602	4,928	4,326	4,928
07/ 08/ 2016 05:45	2,336	3,096	239	354	105	0	5	39	-1,445	-5	-477	4,724	4,246	4,724
30/ 07/ 2017 05:45	2,049	2,710	189	368	96	0	8	38	82	-793	-431	4,747	4,316	4,747
12/ 08/ 2018 05:45	3,054	2,786	101	353	86	0	6	17	-1,410	0	-483	4,993	4,510	4,993
04/ 08/ 2019 05:45	2,543	2,827	710	347	70	0	19	37	-1,805	-5	-464	4,743	4,279	4,743
05/ 07/ 2020 05:30	3,025	2,030	273	352	220	0	17	74	-320	-1,051	-420	4,620	4,199	4,620
08/ 08/ 2021 05:45	3,024	2,368	237	340	152	0	8	116	-334	-1,041	-443	4,871	4,428	4,871
07/ 08/ 2022 05:45	3,051	3,329	0	367	137	89	15	63	-2,435	0	-519	4,617	4,097	4,617
07/ 05/ 2023 05:45	3,022	2,227	24	390	255	0	39	21	-1,450	-5	-435	4,522	4,087	4,522

Peak loads on the Czech grid between 2014 and 2023



Minimum loads on the Czech grid between 2014 and 2023



9 BALANCES, TECHNICAL DETAILS AND SUPPLY QUALITY IN TS AND RDS AND TARIFF STATISTICS

9.1 Balances of physical flows in the TS and RDS

	January	February	March	April	May	June	July	August	September	October	November	December	Total
Inflow into TS [GWh]	6,636.3	5,670.3	5,283.8	4,856.9	4,094.9	4,234.5	4,733.3	4,946.5	4,675.3	5,800.0	5,592.8	6,023.2	62,547.7
Electricity supply from generators	5,078.8	4,424.9	4,210.8	3,766.5	3,038.2	3,388.4	3,767.0	4,053.5	3,762.1	4,490.5	4,441.3	4,483.9	48,906.0
Electricity supply from RDS networks	28.3	24.4	22.2	41.9	23.6	26.1	27.6	28.7	47.7	29.2	13.8	15.9	329.5
Electricity imports (supply from abroad)	1,529.1	1,220.9	1,050.8	1,048.5	1,033.1	819.9	938.7	864.3	865.5	1,280.3	1,137.7	1,523.4	13,312.2
Outflow from TS [GWh]	-6,636.3	-5,670.3	-5,283.8	-4,856.9	-4,094.9	-4,234.5	-4,733.3	-4,946.5	-4,675.3	-5,800.0	-5,592.8	-6,023.2	-62,547.7
Electricity supply to RDS networks	-3,612.8	-3,323.2	-3,407.2	-3,028.6	-2,969.3	-3,023.0	-2,839.5	-3,041.6	-2,739.6	-3,064.9	-3,299.2	-3,324.8	-37,673.7
Electricity export (supply abroad)	-2,818.1	-2,175.3	-1,681.9	-1,643.5	-944.2	-1,075.3	-1,700.9	-1,706.8	-1,722.0	-2,501.3	-2,076.1	-2,457.0	-22,502.5
Electricity supply to customers connected to TS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity consumption of PSHE during pumping	-107.5	-80.3	-96.8	-102.0	-113.4	-67.3	-102.0	-121.2	-135.8	-132.8	-125.5	-127.9	-1,312.5
Other supply	-14.1	-15.4	-26.8	-29.0	-23.0	-16.4	-20.2	-15.2	-23.9	-15.9	-15.0	-19.7	-234.7
Total losses in networks	-83.7	-76.0	-71.1	-53.8	-45.0	-52.4	-70.8	-61.7	-54.0	-85.1	-77.0	-93.8	-824.3

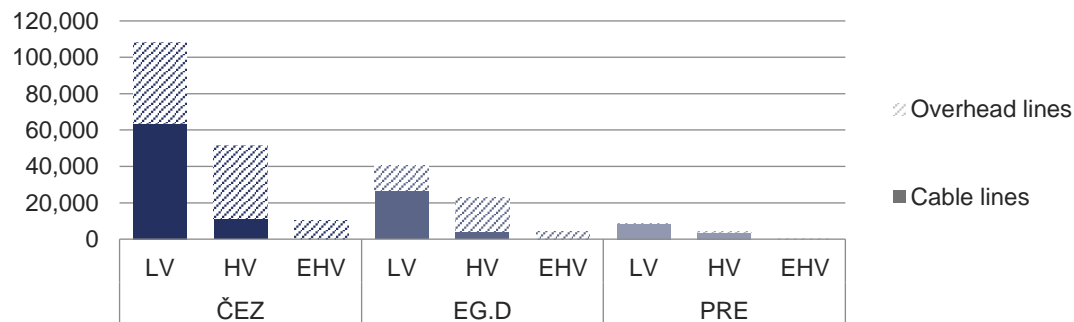
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Inflow into DS [GWh]	5,856.3	5,450.2	5,571.6	4,990.1	4,704.6	4,602.9	4,473.4	4,632.9	4,490.1	4,950.6	5,381.5	5,537.0	60,641.3
Electricity supply from the TSO's network	3,612.8	3,323.2	3,407.2	3,028.6	2,969.3	3,023.0	2,839.5	3,041.6	2,739.6	3,064.9	3,299.2	3,324.8	37,673.7
Electricity supply from adjacent regional DSOs	606.5	571.8	540.4	452.1	437.4	451.0	465.2	449.9	446.7	487.3	555.8	566.8	6,030.9
Electricity supply from generators	1,339.2	1,306.9	1,392.9	1,298.3	1,167.2	1,026.1	990.0	999.8	1,098.0	1,189.5	1,297.2	1,444.4	14,549.4
Electricity supply from LDS	253.8	221.9	230.9	211.0	130.6	102.7	177.3	141.5	205.3	208.8	210.2	186.2	2,280.2
Electricity imports (supply from abroad)	44.0	26.4	0.2	0.1	0.2	0.1	1.5	0.1	0.5	0.1	19.1	14.9	107.2
Outflow from DS [GWh]	-5,856.3	-5,450.2	-5,571.6	-4,990.1	-4,704.6	-4,602.9	-4,473.4	-4,632.9	-4,490.1	-4,950.6	-5,381.5	-5,537.0	-60,641.3
Electricity supply to the TSO's network	-28.3	-24.4	-22.2	-41.9	-23.6	-26.1	-27.6	-28.7	-47.7	-29.2	-13.8	-15.9	-329.5
Electricity supply to adjacent regional DSOs	-606.5	-571.8	-540.4	-452.1	-437.4	-451.0	-465.2	-449.9	-446.7	-487.3	-555.8	-566.8	-6,030.9
Electricity export (supply abroad)	-1.0	-2.3	-0.1	-6.3	-12.1	-20.0	-22.8	-56.3	-6.2	-5.2	-5.2	-8.0	-145.6
Electricity supply to LDS	-601.8	-575.1	-614.2	-587.8	-597.5	-626.7	-578.1	-585.3	-575.1	-600.7	-575.8	-524.5	-7,042.7
Electricity supply to generators (except for PSHE)	-284.9	-259.3	-286.2	-251.6	-261.2	-293.8	-297.1	-302.5	-298.8	-331.8	-414.5	-341.3	-3,623.0
Electricity consumption of PSHE during pumping	-6.6	-5.1	-6.7	-6.5	-6.9	-7.2	-6.4	-6.3	-5.5	-0.2	-4.6	-7.2	-69.3
Electricity supply to HD_C at the EHV level	-115.0	-111.4	-134.4	-125.9	-121.3	-118.0	-103.0	-96.6	-106.9	-97.8	-91.2	-81.3	-1,302.9
Electricity supply to HD_C at the HV level	-1,576.2	-1,466.1	-1,593.0	-1,416.3	-1,482.7	-1,489.4	-1,368.1	-1,461.5	-1,428.3	-1,503.0	-1,442.5	-1,287.5	-17,514.4
Electricity supply to LD_B	-759.6	-696.5	-706.8	-595.1	-545.0	-507.1	-505.1	-535.6	-518.5	-596.1	-688.1	-713.4	-7,366.8
Electricity supply to LD_H	-1,654.2	-1,530.9	-1,457.5	-1,318.9	-1,041.8	-893.3	-987.6	-938.3	-883.2	-1,108.2	-1,379.7	-1,775.1	-14,968.7
DSOs' other electricity consumption	-7.8	-7.3	-6.5	-5.2	-3.5	-2.9	-2.9	-2.9	-2.9	-3.9	-6.0	-7.7	-59.5
Total losses in networks	-214.3	-199.9	-203.6	-182.4	-171.8	-167.4	-109.5	-168.9	-170.3	-187.3	-204.3	-208.4	-2,188.1

9.2 Lengths of routes and lines in the TS and RDS

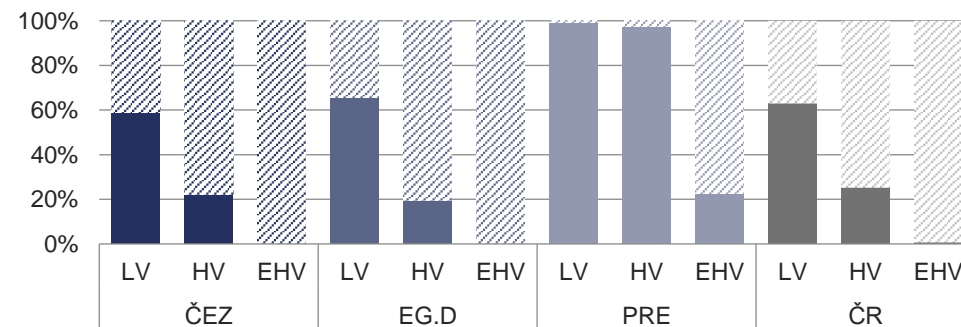
Voltage level [kV]	Length of overhead routes (in geographical terms) [km]					Length of cable lines [km]				
	ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total	ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total
Total	4,383	89,706	34,255	305	128,649	0	75,355	31,034	12,334	118,724
EHV	4,383	5,383	2,404	137	12,307	0	34	14	83	131
400	3,211	0	0	0	3,211	0	0	0	0	0
220	1,127	0	0	0	1,127	0	0	0	0	0
110	45	5,383	2,404	137	7,969	0	34	14	83	131
HV	0	40,078	17,812	90	57,980	0	11,511	4,369	3,865	19,745
35	0	9,771	0	0	9,771	0	1,358	0	0	1,358
22	0	30,174	17,812	90	48,076	0	8,729	4,369	3,865	16,963
10	0	133	0	0	133	0	1,302	0	0	1,302
6	0	0	0	0	0	0	121	0	0	121
5	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	1	0	0	1
LV	0	44,245	14,039	78	58,362	0	63,810	26,651	8,387	98,847

Voltage level [kV]	Length of overhead lines (actual conductors) [km]				
	ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total
Total	5,642	94,308	36,387	469	136,806
EHV	5,642	9,985	4,063	286	19,976
400	3,940	0	0	0	3,940
220	1,618	0	0	0	1,618
110	84	9,985	4,063	286	14,418
HV	0	40,078	18,285	104	58,468
35	0	9,771	0	0	9,771
22	0	30,174	18,285	104	48,564
10	0	133	0	0	133
6	0	0	0	0	0
5	0	0	0	0	0
3	0	0	0	0	0
LV	0	44,245	14,039	78	58,362

Length of cable and overhead lines [km]



Shares of cable and overhead lines



9.3 Supply points and transformers in the TS and RDS

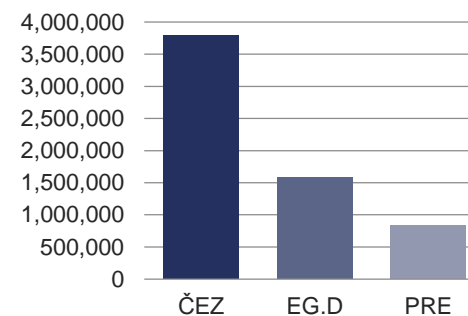
Voltage level [kV]	Number of transformers [-]				
	ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total
Total	75	48,831	20,346	3,735	72,987
400/220	4	0	0	0	4
400/110	51	0	0	0	51
220/110	20	0	0	0	20
110/HV	0	457	177	62	696
HV/HV	0	77	0	0	77
HV/LV	0	48,297	20,169	3,673	72,139

Voltage level [kV]	Number of supply points by voltage level [-]				
	ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total
Total	0	3,790,774	1,581,362	838,358	6,210,494
EHV	0	114	36	4	154
400	0	0	0	0	0
220	0	0	0	0	0
110	0	114	36	4	154
HV	0	14,722	8,037	2,136	24,895
35	0	2,972	0	0	2,972
22	0	11,095	8,037	2,136	21,268
10	0	529	0	0	529
6	0	122	0	0	122
5	0	0	0	0	0
3	0	4	0	0	4
LV	0	3,775,938	1,573,289	836,218	6,185,445

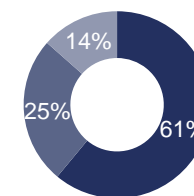
Customer category	Number of supply points by customer category [-]				
	ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total
Total	0	3,790,774	1,581,362	838,358	6,210,494
HD_C from EHV	0	114	36	4	154
HD_C from HV	0	14,722	8,037	2,136	24,895
LD_B	0	444,266	184,731	128,993	757,990
LD_H	0	3,331,672	1,388,558	707,225	5,427,455

Transformation capacity [MVA]				
ČEPS	ČEZ Distribuce	EG.D	PREdistribuce	Total
23,450	33,067	12,127	5,400	74,044
2,000	0	0	0	2,000
17,450	0	0	0	17,450
4,000	0	0	0	4,000
0	17,182	5,999	3,147	26,328
0	716	0	0	716
0	15,169	6,128	2,253	23,550

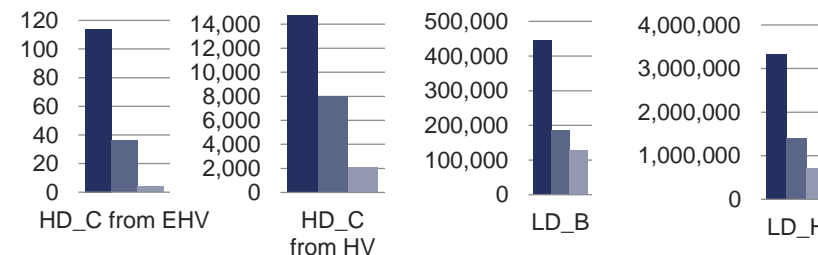
Total number of supply points [-]



RDS's share of the total number of supply points



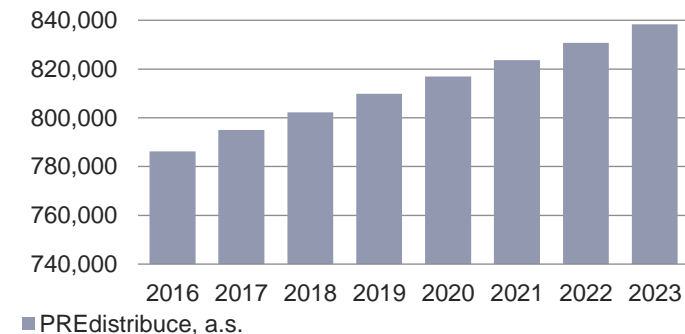
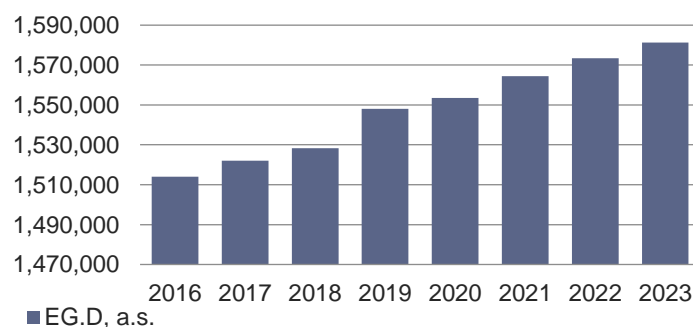
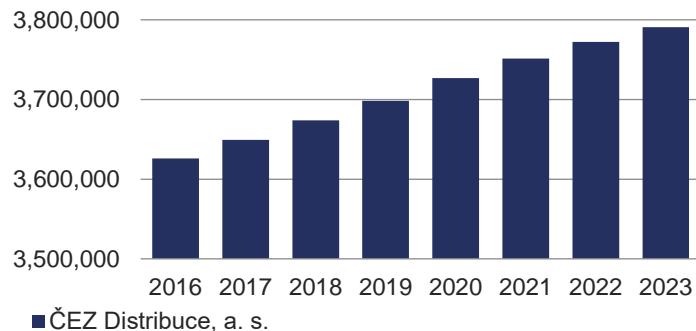
Number of RDS's supply points by customer category



9.4 Key technical details on the TS and RDS

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of supply points [-]	5,899,019	5,900,906	5,926,216	5,966,605	6,004,321	6,056,004	6,097,345	6,139,436	6,186,471	6,210,494
ČEPS, a.s.	0	0	0	0	0	0	0	0	0	0
ČEZ Distribuce, a. s.	3,589,039	3,608,324	3,625,976	3,649,489	3,673,908	3,698,220	3,726,896	3,751,440	3,772,332	3,790,774
EG.D, a.s.	1,541,418	1,514,444	1,513,973	1,522,091	1,528,249	1,547,977	1,553,470	1,564,384	1,573,483	1,581,362
PREdistribuce, a.s.	768,562	778,138	786,267	795,025	802,164	809,807	816,979	823,612	830,656	838,358
Length of overhead routes [km]	136,519	134,889	134,404	133,758	133,115	132,127	131,322	130,348	129,582	128,649
ČEPS, a.s.	5,503	4,414	4,496	4,497	4,497	4,433	4,519	4,447	4,519	4,383
ČEZ Distribuce, a. s.	93,818	93,494	93,185	92,808	92,421	91,820	91,274	90,693	90,123	89,706
EG.D, a.s.	36,862	36,651	36,396	36,136	35,881	35,558	35,223	34,903	34,635	34,255
PREdistribuce, a.s.	336	331	327	318	316	316	307	305	305	305
Length of cable lines [km]	103,032	104,065	104,565	105,827	107,674	109,660	111,816	114,031	116,259	118,724
ČEPS, a.s.	0	0	0	0	0	0	0	0	0	0
ČEZ Distribuce, a. s.	64,332	65,208	65,943	66,919	68,109	69,414	70,828	72,353	73,820	75,355
EG.D, a.s.	27,031	27,175	26,894	27,122	27,606	28,191	28,872	29,516	30,203	31,034
PREdistribuce, a.s.	11,670	11,682	11,727	11,786	11,960	12,055	12,115	12,162	12,235	12,334
Length of overhead lines [km]	143,146	142,796	142,376	141,777	141,238	140,181	139,452	138,496	137,800	136,806
ČEPS, a.s.	5,503	5,610	5,717	5,728	5,728	5,601	5,775	5,703	5,848	5,642
ČEZ Distribuce, a. s.	98,251	98,003	97,737	97,346	97,025	96,419	95,856	95,274	94,712	94,308
EG.D, a.s.	38,880	38,678	38,422	38,212	38,001	37,678	37,350	37,051	36,771	36,387
PREdistribuce, a.s.	512	505	500	491	484	484	471	469	469	469
Number of transformers [-]	69,747	70,111	70,404	70,623	70,999	71,315	71,630	72,115	72,561	72,987
ČEPS, a.s.	72	73	73	74	74	73	75	74	75	75
ČEZ Distribuce, a. s.	46,619	46,871	47,085	47,251	47,491	47,714	47,947	48,255	48,529	48,831
EG.D, a.s.	19,352	19,495	19,571	19,640	19,782	19,867	19,935	20,100	20,243	20,346
PREdistribuce, a.s.	3,704	3,672	3,675	3,658	3,652	3,661	3,673	3,686	3,714	3,735
Transformation capacity [MVA]	69,681	70,036	69,701	70,430	71,336	71,589	72,711	72,739	73,592	74,044
ČEPS, a.s.	21,780	21,980	21,980	22,450	22,700	22,550	23,350	23,100	23,450	23,450
ČEZ Distribuce, a. s.	31,458	31,628	31,120	31,197	31,642	32,009	32,182	32,388	32,789	33,067
EG.D, a.s.	11,378	11,404	11,552	11,643	11,732	11,759	11,899	11,962	12,046	12,127
PREdistribuce, a.s.	5,064	5,024	5,049	5,140	5,262	5,271	5,280	5,289	5,307	5,400

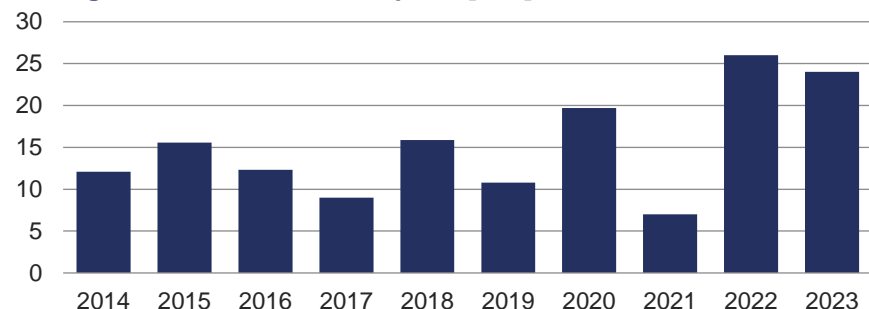
Number of supply points [-]



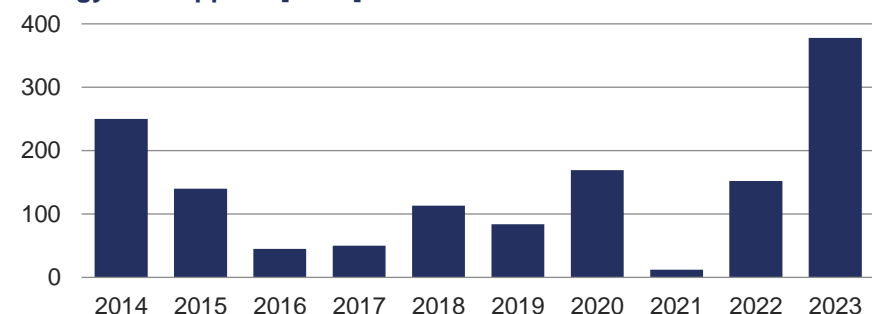
9.5 Development in the electricity supply quality

Transmission continuity indicators, ČEPS, a.s.	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of electricity transmission interruptions in the year [-]	10	7	3	4	8	9	7	1	3	12
Total duration of electricity transmission interruptions in the year [min]	121	109	37	36	127	97	138	7	78	288
Average duration of an electricity transmission interruption in the year [min]	12	16	12	9	16	11	20	7	26	24
Electrical energy not supplied in the year [MWh]	250	140	45	50	113	84	169	12	152	378

Average duration of an interruption [min]

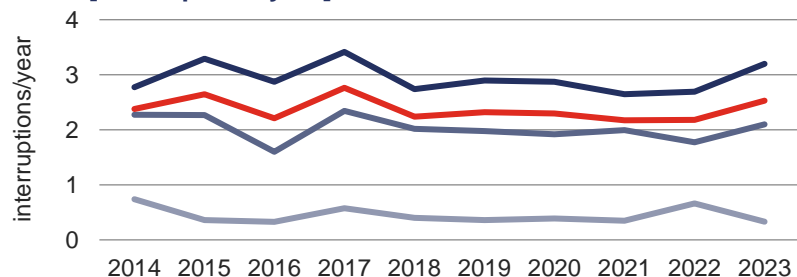


Energy not supplied [MWh]

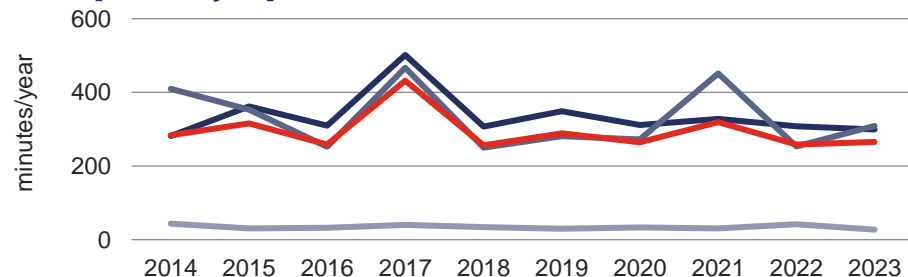


Distribution continuity indicators	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
SAIFI [interruptions/year]	2.38	2.64	2.21	2.76	2.24	2.32	2.30	2.17	2.18	2.53
ČEZ Distribuce	2.77	3.29	2.87	3.41	2.74	2.90	2.87	2.65	2.69	3.20
EG.D	2.27	2.27	1.60	2.34	2.01	1.97	1.92	1.99	1.77	2.10
PREdistribuce	0.74	0.36	0.33	0.57	0.40	0.36	0.39	0.35	0.66	0.33
SAIDI [minutes/year]	283.22	316.06	258.29	431.45	256.05	288.73	264.30	319.30	258.08	264.85
ČEZ Distribuce	281.42	361.72	309.64	501.47	307.09	348.52	311.60	327.57	307.47	298.82
EG.D	409.30	352.90	252.14	466.68	249.79	281.20	272.42	451.42	253.49	308.98
PREdistribuce	43.37	30.93	32.52	40.34	34.06	29.61	32.92	30.18	42.12	27.15
CAIDI [minutes]	119.21	119.52	116.96	156.18	114.33	124.38	115.15	147.01	118.35	104.60
ČEZ Distribuce	101.55	109.86	107.86	146.88	112.26	120.35	108.47	123.80	114.42	93.46
EG.D	180.30	155.54	157.56	199.17	123.98	142.48	142.22	226.35	143.38	147.07
PREdistribuce	58.73	86.20	99.34	70.21	85.40	81.87	85.27	86.36	63.86	81.98

SAIFI [interruptions/year]



SAIDI [minutes/year]



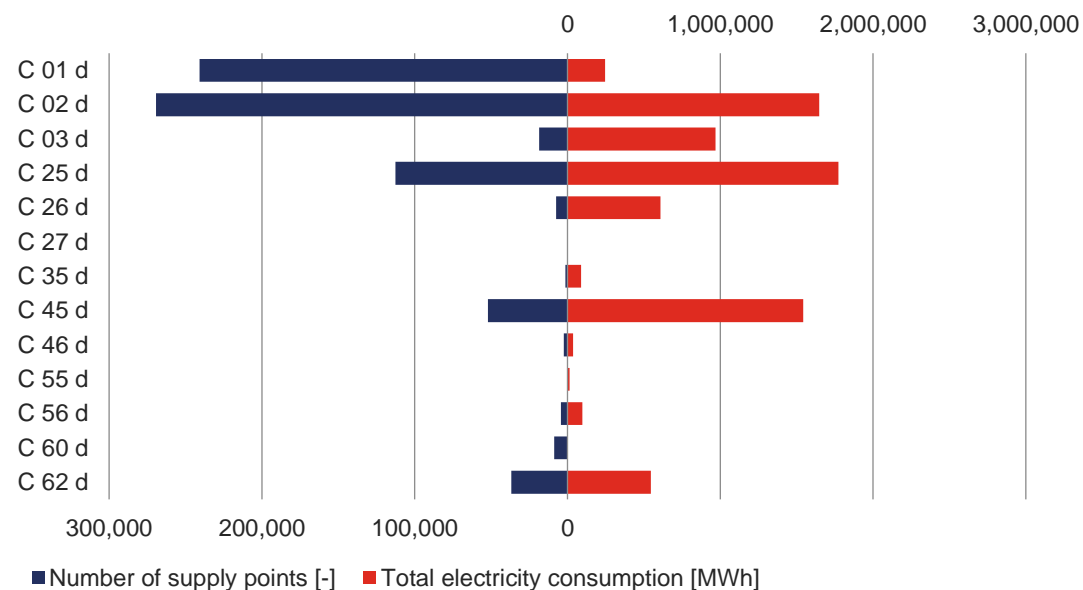
System indicators are defined in Schedule 5 to Public Notice 540/2005, as amended, and include all interruption categories under Schedule 4 to the same public notice.

Data sources: Returns related to quality (DSOs) and quality reports (TSO)

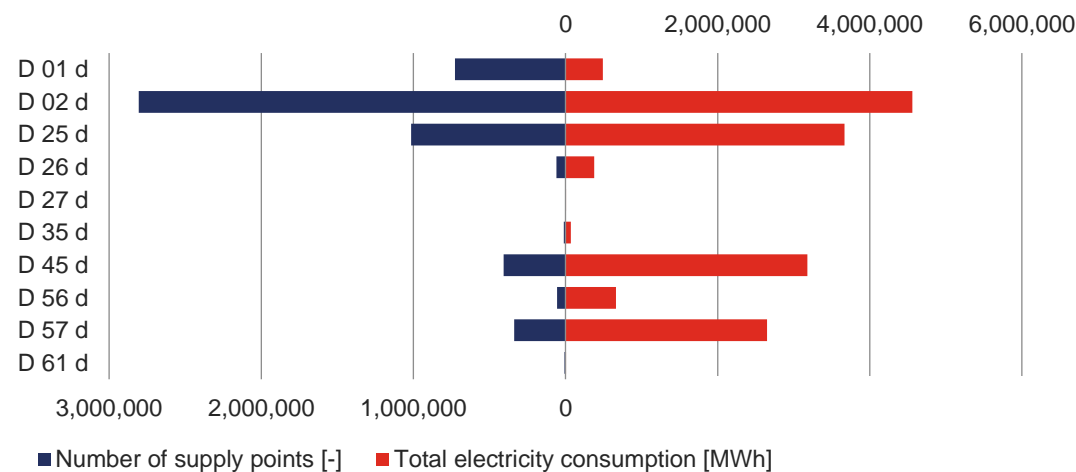
9.6 Tariff statistics

	Number of supply points	Electricity consumption at the high rate	Electricity consumption at the low rate	Total electricity consumption
	[-]	[MWh]	[MWh]	[MWh]
LD_B	754,996	5,302,413	2,272,523	7,574,936
C 01 d	240,847	246,927	-	246,927
C 02 d	269,359	1,648,369	-	1,648,369
C 03 d	18,554	969,811	-	969,811
C 25 d	112,611	1,165,588	608,436	1,774,024
C 26 d	7,465	421,499	186,898	608,396
C 27 d	218	1,280	403	1,683
C 35 d	1,376	32,483	56,276	88,759
C 45 d	52,062	258,545	1,283,996	1,542,540
C 46 d	2,497	4,041	32,552	36,593
C 55 d	389	1,008	13,078	14,087
C 56 d	4,308	7,435	90,885	98,320
C 60 d	8,648	-	-	-
C 62 d	36,662	545,427	-	545,427
LD_H	5,425,935	7,825,524	7,856,832	15,682,356
D 01 d	727,052	492,450	-	492,450
D 02 d	2,805,892	4,562,015	-	4,562,015
D 25 d	1,015,277	1,894,077	1,774,137	3,668,214
D 26 d	60,170	129,573	248,182	377,755
D 27 d	1,520	3,899	3,555	7,454
D 35 d	10,807	17,349	51,462	68,811
D 45 d	406,038	328,633	2,853,494	3,182,128
D 56 d	55,964	47,594	618,119	665,713
D 57 d	336,571	347,116	2,304,163	2,651,279
D 61 d	6,644	2,818	3,719	6,537

Low demand customers, businesses (LD_B)



Low demand customers, households (LD_H)



Note: The tariff statistics in chapters 9.6 and 9.7 have been compiled from regulatory reports under Section 20 of Act No 458/2000, the Energy Act, as amended, and include only the three largest regional distribution systems. The numbers of supply points relate to 31 December of the respective year and include electricity producers' delivery points that do not have to be supply points. The consumption data shows the billed electricity quantities accepted from the documents issued in the respective year and therefore does not match the consumption data in the other chapters of the Report.

9.7 Development in the tariff statistics

Number of supply points [-]										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
LD_B	764,530	748,856	742,567	741,346	741,250	747,805	746,631	746,434	750,172	754,996
C 01 d	254,538	247,977	247,185	245,277	243,716	244,174	242,012	239,869	239,081	240,847
C 02 d	263,476	258,471	255,724	256,634	257,866	261,540	261,481	262,670	266,173	269,359
C 03 d	15,279	14,631	15,662	15,555	16,355	16,839	17,607	18,061	18,644	18,554
C 25 d	117,894	114,459	111,567	111,493	112,033	113,075	112,786	112,619	112,772	112,611
C 26 d	8,374	7,787	7,539	7,538	7,516	7,588	7,565	7,512	7,525	7,465
C 27 d	2	10	19	30	35	52	85	123	168	218
C 35 d	1,770	1,695	1,637	1,590	1,542	1,516	1,465	1,433	1,404	1,376
C 45 d	55,151	56,152	56,816	56,154	54,189	53,100	52,858	52,585	52,297	52,062
C 46 d	0	0	0	263	765	1,335	1,762	2,095	2,387	2,497
C 55 d	423	446	432	421	415	406	402	397	391	389
C 56 d	1,658	1,822	1,951	2,116	2,385	2,770	3,143	3,504	3,864	4,308
C 60 d	8,532	8,088	6,649	8,365	8,312	8,948	8,869	8,843	8,729	8,648
C 61 d	1,200	1,481	1,665	0	0	0	0	0	0	0
C 62 d	36,233	35,837	35,721	35,910	36,121	36,462	36,596	36,723	36,737	36,662
LD_H	5,109,441	5,126,928	5,159,231	5,200,694	5,238,476	5,281,794	5,321,220	5,363,859	5,397,021	5,425,935
D 01 d	691,851	694,667	700,243	704,422	707,406	713,333	715,524	719,625	719,980	727,052
D 02 d	2,761,292	2,760,208	2,768,976	2,777,853	2,784,577	2,790,487	2,797,539	2,803,245	2,807,931	2,805,892
D 25 d	1,080,838	1,077,055	1,075,868	1,071,329	1,064,569	1,057,246	1,047,351	1,035,750	1,025,356	1,015,277
D 26 d	71,978	70,641	69,154	68,066	66,864	65,676	64,230	62,760	61,428	60,170
D 27 d	11	30	49	91	177	291	521	893	1,219	1,520
D 35 d	12,780	12,715	12,562	12,322	12,074	11,838	11,559	11,260	11,017	10,807
D 45 d	435,390	449,282	447,466	441,544	436,311	432,049	425,790	417,008	410,688	406,038
D 55 d	5,961	6,044	4,511	0	0	0	0	0	0	0
D 56 d	42,077	49,009	52,380	56,788	56,659	56,503	56,291	56,197	56,114	55,964
D 57 d	0	0	20,726	61,071	102,723	147,317	195,428	250,232	296,566	336,571
D 61 d	7,263	7,277	7,296	7,208	7,116	7,054	6,987	6,889	6,722	6,644

Electricity consumption at the high rate [MWh]										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
LD_B	5,718,009	5,816,270	5,479,525	5,677,833	5,820,150	5,567,521	5,295,276	5,472,820	5,368,364	5,302,413
C 01 d	225,236	227,916	226,630	244,709	252,724	239,404	240,962	257,310	250,842	246,927
C 02 d	1,715,055	1,722,564	1,633,430	1,712,828	1,728,550	1,682,633	1,592,609	1,663,962	1,664,678	1,648,369
C 03 d	911,469	945,771	898,090	950,696	982,967	990,554	922,784	943,400	969,026	969,811
C 25 d	1,263,291	1,310,653	1,226,016	1,264,510	1,273,867	1,237,664	1,167,305	1,218,587	1,189,298	1,165,588
C 26 d	627,555	610,477	540,445	517,924	509,918	469,975	445,375	454,961	440,894	421,499
C 27 d	0	2	72	270	319	381	458	661	1,071	1,280
C 35 d	44,089	43,172	41,365	40,763	38,808	37,385	33,808	33,436	33,407	32,483
C 45 d	256,501	287,887	287,545	312,068	313,614	296,429	272,967	271,496	264,731	258,545
C 46 d	0	0	0	135	958	1,551	2,141	3,044	3,586	4,041
C 55 d	1,219	1,169	1,181	1,265	1,218	1,043	1,026	1,055	1,015	1,008
C 56 d	2,922	3,613	3,734	4,527	4,998	5,407	5,769	7,395	7,529	7,435
C 60 d	-	-	-	-	-	-	-	-	-	-
C 61 d	-	-	-	-	-	-	-	-	-	-
C 62 d	670,672	663,047	621,018	628,137	712,209	605,093	610,072	617,514	542,288	545,427
LD_H	7,956,628	7,967,619	8,051,255	8,110,171	8,096,492	8,142,086	8,206,918	9,169,770	7,750,827	7,825,524
D 01 d	362,284	375,096	397,517	436,229	448,543	468,169	490,268	557,279	478,955	492,450
D 02 d	4,942,034	4,905,097	4,934,262	4,895,640	4,853,598	4,857,278	4,846,602	5,340,213	4,536,864	4,562,015
D 25 d	2,116,445	2,126,801	2,136,238	2,143,228	2,117,655	2,102,086	2,095,016	2,319,616	1,894,718	1,894,077
D 26 d	161,884	160,317	157,961	158,482	153,821	151,248	148,050	163,145	131,448	129,573
D 27 d	17	81	148	218	410	677	1,105	2,239	3,055	3,899
D 35 d	20,623	20,718	20,681	20,998	20,738	20,395	20,064	22,180	17,758	17,349
D 45 d	312,503	331,155	340,821	354,596	351,520	353,692	358,560	408,940	332,687	328,633
D 55 d	5,547	5,777	4,499	0	0	0	0	0	0	0
D 56 d	33,140	40,197	45,568	53,860	52,869	52,238	51,744	59,653	50,127	47,594
D 57 d	0	0	11,033	44,038	94,413	133,303	192,092	292,441	302,160	347,116
D 61 d	2,151	2,380	2,527	2,882	2,925	2,999	3,416	4,064	3,056	2,818

Note: The tariff statistics in chapters 9.6 and 9.7 have been compiled from regulatory reports under Section 20 of Act No 458/2000, the Energy Act, as amended, and include only the three largest regional distribution systems. The numbers of supply points relate to 31 December of the respective year and include electricity producers' delivery points that do not have to be supply points. The consumption data shows the billed electricity quantities accepted from the documents issued in the respective year and therefore does not match the consumption data in the other chapters of the Report.

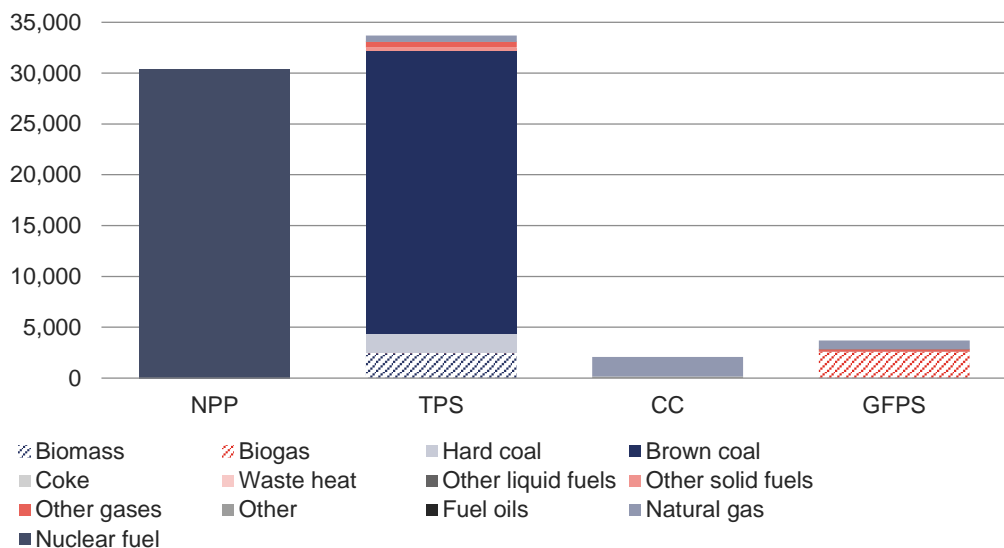
Electricity consumption at the low rate [MWh]										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
LD_B	2,520,295	2,633,506	2,551,484	2,730,962	2,703,119	2,563,437	2,394,392	2,464,199	2,364,366	2,272,523
C 25 d	763,016	769,127	710,446	732,081	714,257	682,792	642,447	669,406	635,742	608,436
C 26 d	274,207	268,284	237,197	229,467	224,776	203,500	199,183	203,462	195,434	186,898
C 27 d	0	5	30	88	107	108	153	226	383	403
C 35 d	80,426	78,947	74,163	73,275	69,667	66,371	60,118	60,219	58,497	56,276
C 45 d	1,343,368	1,450,827	1,462,026	1,617,787	1,608,802	1,515,140	1,387,089	1,399,033	1,339,281	1,283,996
C 46 d	0	0	0	379	5,123	12,283	19,336	27,970	32,105	32,552
C 55 d	17,976	17,585	17,193	17,581	16,699	14,969	14,209	14,419	13,566	13,078
C 56 d	41,302	48,732	50,429	60,304	63,687	68,274	71,857	89,464	89,359	90,885
LD_H	6,656,829	6,823,513	6,895,894	7,590,486	7,632,681	7,797,621	7,997,057	9,373,078	8,065,405	7,856,832
D 25 d	2,283,851	2,266,951	2,104,472	2,241,479	2,173,201	2,111,847	2,065,505	2,210,935	1,812,710	1,774,137
D 26 d	419,002	403,021	392,766	399,863	371,868	351,511	332,003	358,306	278,060	248,182
D 27 d	11	38	95	157	315	523	894	1,714	2,677	3,555
D 35 d	73,076	72,990	72,823	75,339	71,528	68,905	66,137	71,182	55,821	51,462
D 45 d	3,367,239	3,484,972	3,647,077	3,922,811	3,740,183	3,640,764	3,539,094	3,954,762	3,131,592	2,853,494
D 55 d	94,321	95,238	73,083	0	0	0	0	0	0	0
D 56 d	414,913	495,777	584,118	736,724	713,328	699,332	686,928	785,682	656,692	618,119
D 57 d	0	0	16,705	209,100	557,437	919,968	1,301,573	1,984,978	2,123,521	2,304,163
D 61 d	4,416	4,525	4,755	5,013	4,822	4,770	4,923	5,521	4,333	3,719

Total electricity consumption [MWh]										
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
LD_B	8,238,304	8,449,777	8,031,009	8,408,795	8,523,269	8,130,957	7,689,668	7,937,019	7,732,730	7,574,936
C 01 d	225,236	227,916	226,630	244,709	252,724	239,404	240,962	257,310	250,842	246,927
C 02 d	1,715,055	1,722,564	1,633,430	1,712,828	1,728,550	1,682,633	1,592,609	1,663,962	1,664,678	1,648,369
C 03 d	911,469	945,771	898,090	950,696	982,967	990,554	922,784	943,400	969,026	969,811
C 25 d	2,026,307	2,079,780	1,936,462	1,996,591	1,988,123	1,920,456	1,809,752	1,887,993	1,825,041	1,774,024
C 26 d	901,762	878,761	777,642	747,391	734,694	673,474	644,558	658,422	636,328	608,396
C 27 d	0	7	102	358	427	489	611	887	1,454	1,683
C 35 d	124,515	122,118	115,528	114,038	108,475	103,756	93,926	93,656	91,904	88,759
C 45 d	1,599,869	1,738,714	1,749,571	1,929,854	1,922,416	1,811,569	1,660,056	1,670,529	1,604,011	1,542,540
C 46 d	0	0	0	514	6,081	13,834	21,477	31,014	35,690	36,593
C 55 d	19,194	18,754	18,374	18,846	17,918	16,012	15,235	15,474	14,581	14,087
C 56 d	44,225	52,345	54,163	64,831	68,685	73,681	77,627	96,859	96,887	98,320
C 60 d	-	-	-	-	-	-	-	-	-	-
C 61 d	-	-	-	-	-	-	-	-	-	-
C 62 d	670,672	663,047	621,018	628,137	712,209	605,093	610,072	617,514	542,288	545,427
LD_H	14,613,458	14,791,132	14,947,149	15,700,657	15,729,173	15,939,707	16,203,976	18,542,848	15,816,233	15,682,356
D 01 d	362,284	375,096	397,517	436,229	448,543	468,169	490,268	557,279	478,955	492,450
D 02 d	4,942,034	4,905,097	4,934,262	4,895,640	4,853,598	4,857,278	4,846,602	5,340,213	4,536,864	4,562,015
D 25 d	4,400,296	4,393,752	4,240,711	4,384,708	4,290,855	4,213,933	4,160,522	4,530,551	3,707,428	3,668,214
D 26 d	580,887	563,338	550,727	558,345	525,689	502,760	480,054	521,451	409,508	377,755
D 27 d	27	119	243	375	725	1,200	1,999	3,953	5,732	7,454
D 35 d	93,699	93,708	93,505	96,337	92,266	89,300	86,201	93,362	73,579	68,811
D 45 d	3,679,742	3,816,127	3,987,898	4,277,407	4,091,703	3,994,456	3,897,654	4,363,701	3,464,280	3,182,128
D 55 d	99,868	101,015	77,582	0	0	0	0	0	0	0
D 56 d	448,053	535,975	629,686	790,584	766,196	751,570	738,672	845,335	706,819	665,713
D 57 d	0	0	27,738	253,138	651,850	1,053,272	1,493,665	2,277,419	2,425,680	2,651,279
D 61 d	6,568	6,905	7,282	7,895	7,747	7,769	8,339	9,585	7,389	6,537

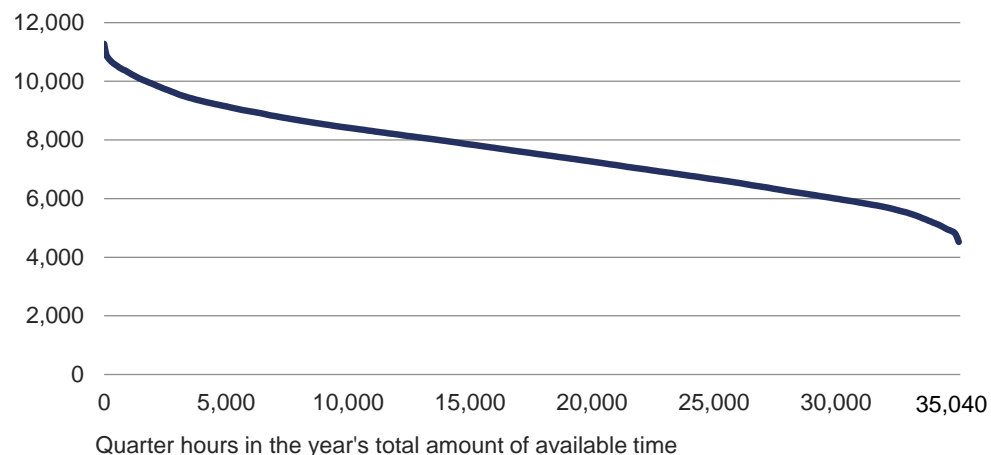
Note: The tariff statistics in chapters 9.6 and 9.7 have been compiled from regulatory reports under Section 20 of Act No 458/2000, the Energy Act, as amended, and include only the three largest regional distribution systems. The numbers of supply points relate to 31 December of the respective year and include electricity producers' delivery points that do not have to be supply points. The consumption data shows the billed electricity quantities accepted from the documents issued in the respective year and therefore does not match the consumption data in the other chapters of the Report.

10 ADDITIONAL GRAPHS, AND ELECTRICAL ENERGY BALANCE DIAGRAM

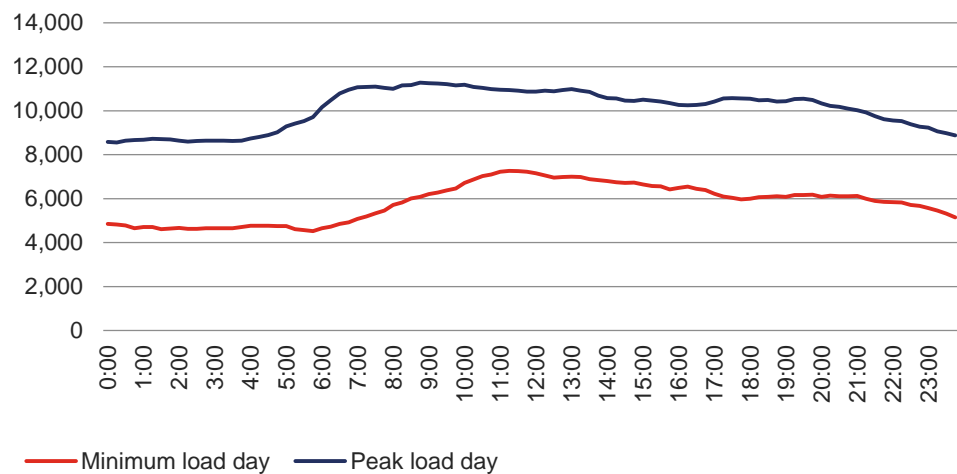
Fuels used in gross electricity generation [GWh]



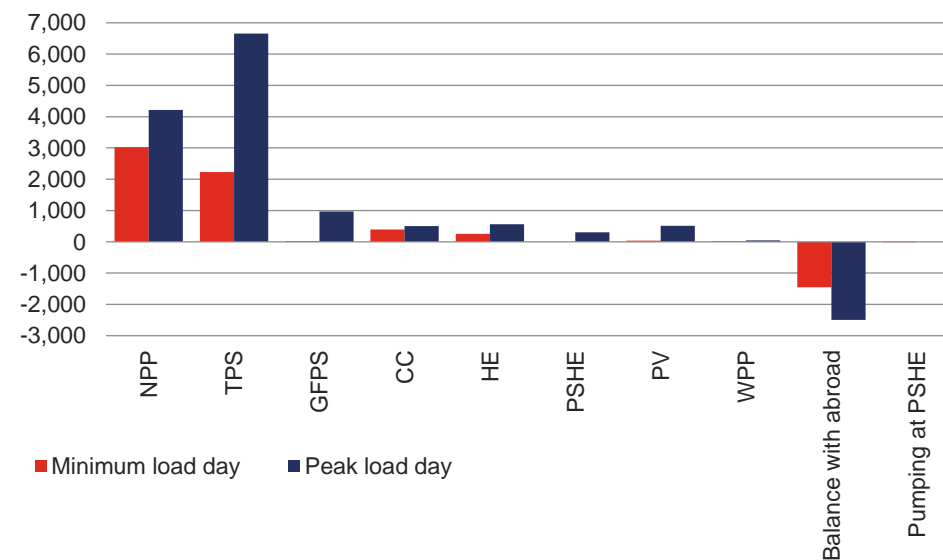
Gross load factor curve [MW]



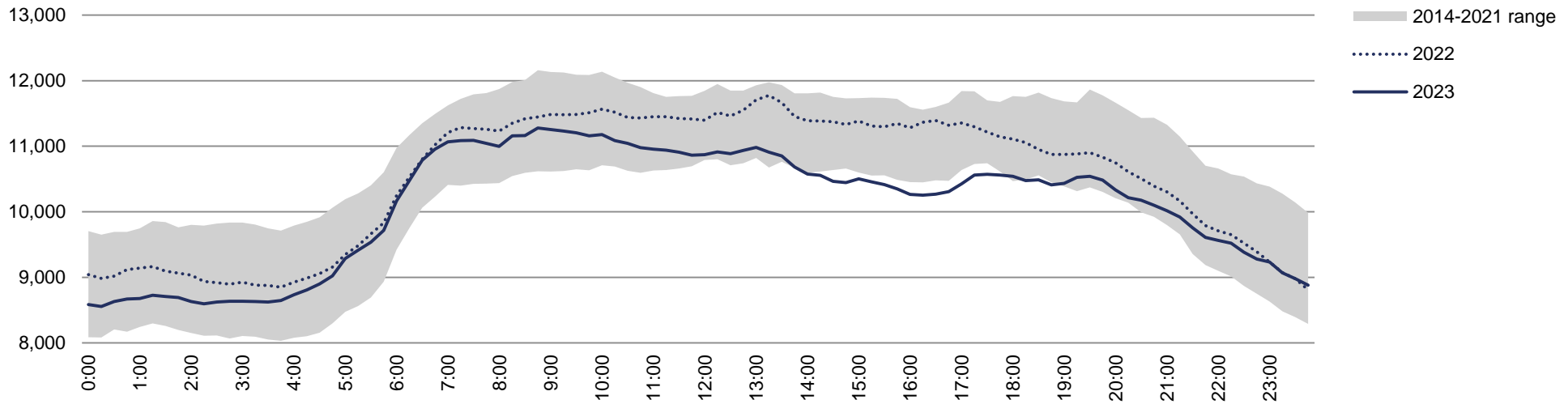
Gross consumption on peak and minimum load days [MWh]



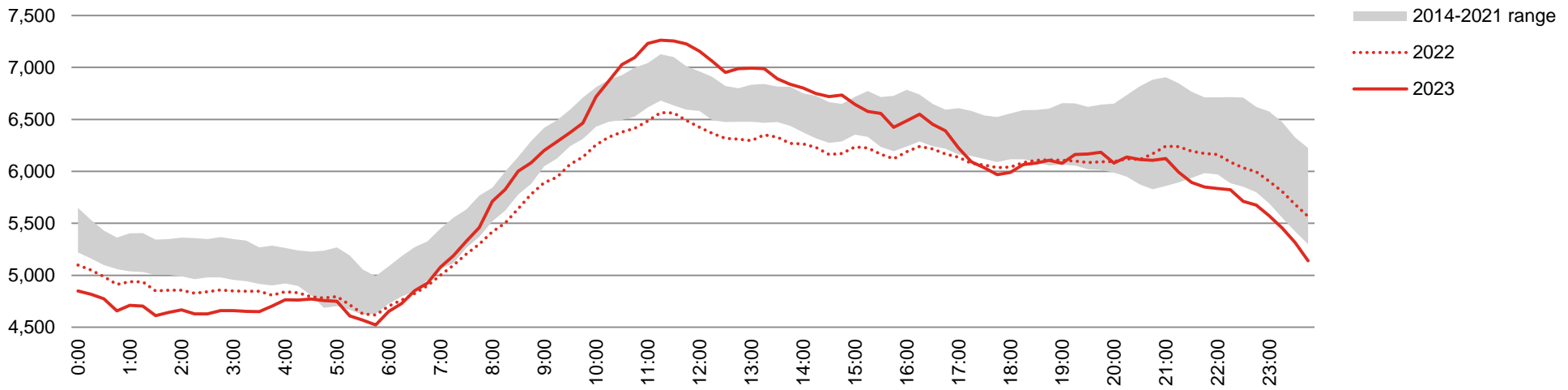
Structure of meeting the daily peak and minimum loads [MW]



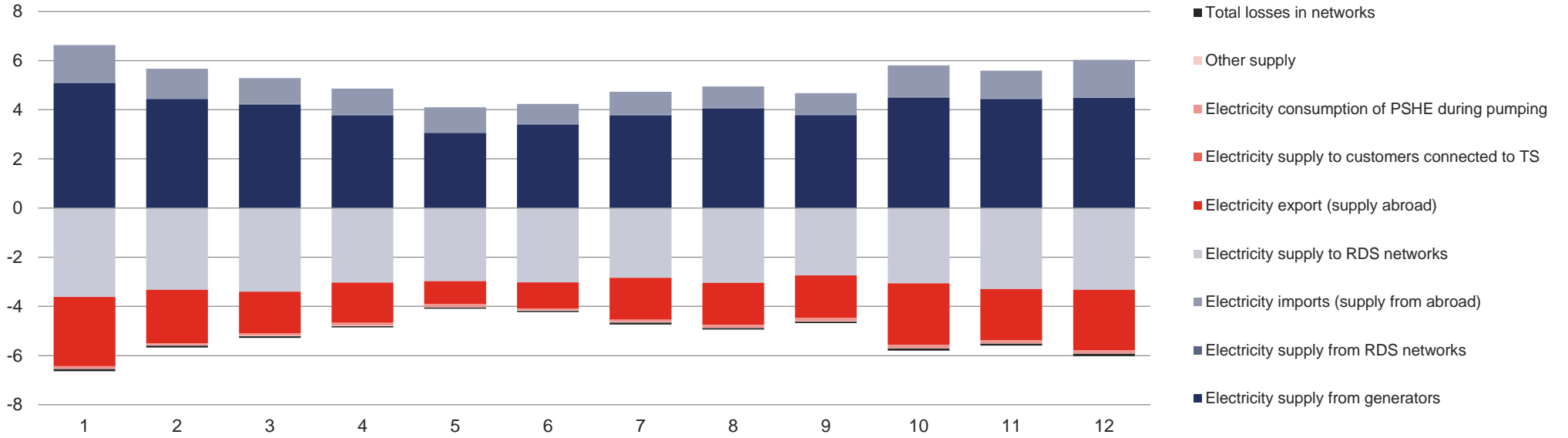
Gross consumption on the days of annual peak [MW]



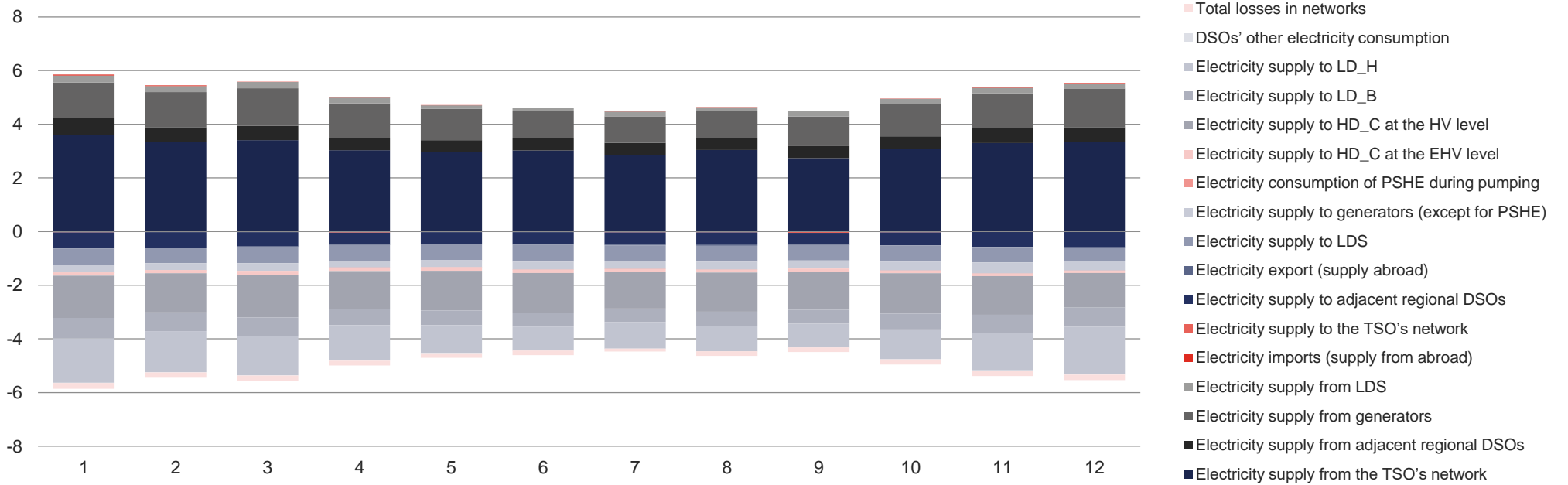
Gross consumption on the days of annual minimum [MW]



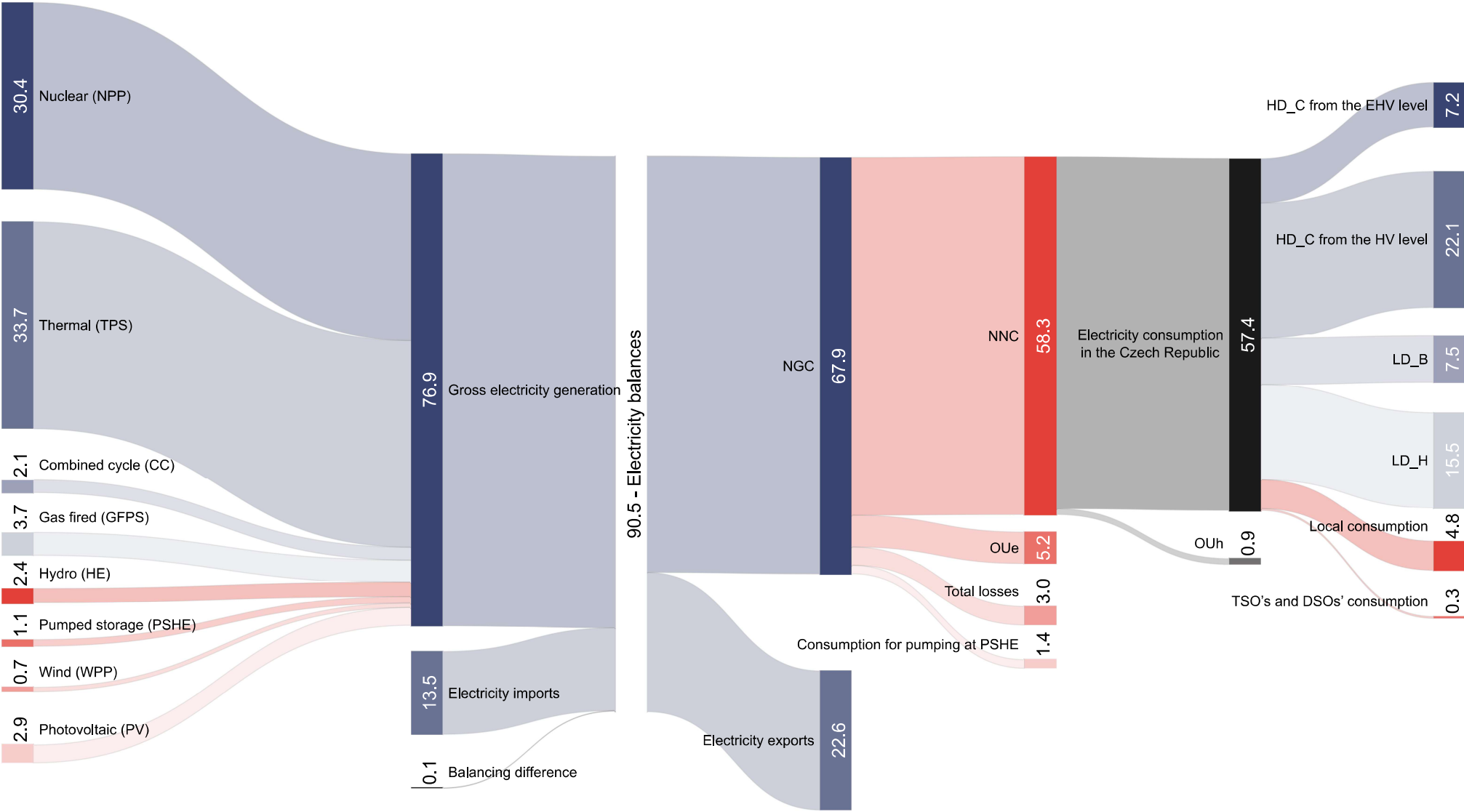
Physical flows in the transmission system [TWh]



Physical flows in the regional distribution systems [TWh]



Electricity balances in 2023 [TWh]



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