

EU27

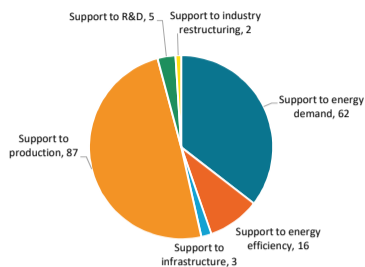
Energy subsidies by type

Support to energy demand	TBC
Support to energy efficiency	TBC
Support to infrastructure	TBC
Support to production	TBC
Support to R&D	TBC
Support to industry restructuring	TBC
Total	

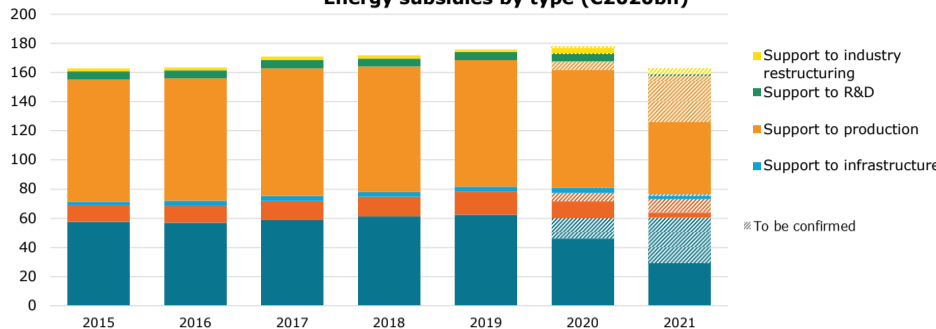
Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
58	57	59	61	62	46	29	
11	11	13	13	16	12	3	
2	4	4	3	3	4	2	
84	84	87	86	87	80	50	
6	5	6	6	5	6	1	
2	2	2	2	2	4	0	
163	163	171	172	176	177	162	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
296.57	+8%	+2%
65.50	+43%	+7%
16.33	+27%	+5%
427.31	+4%	+1%
27.82	-3%	-1%
10.13	-12%	-2%
1,183.59	8%	2%

2019



Energy subsidies by type (€2020bn)



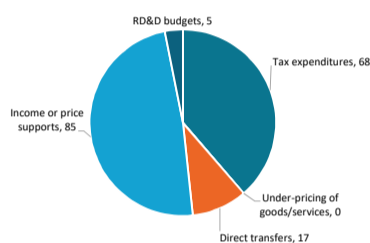
Energy subsidies by category

Tax expenditures	TBC
Under-pricing of goods/services	TBC
Direct transfers	TBC
Income or price supports	TBC
RD&D budgets	TBC
Total	

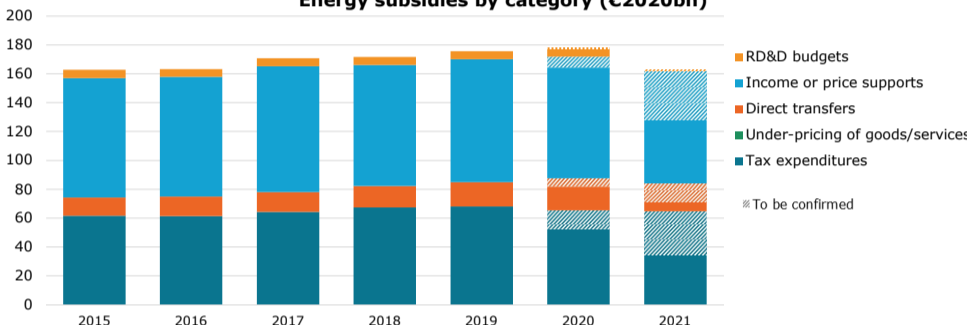
Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
61	61	64	67	68	52	34	
13	13	14	15	17	16	6	
83	83	87	84	85	77	44	
6	5	6	6	5	6	1	
163	163	171	172	176	177	162	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
322.23	+10%	+2%
71.87	+32%	+6%
421.74	+3%	+1%
27.82	-3%	-1%
843.67	+8%	+2%

2019



Energy subsidies by category (€2020bn)



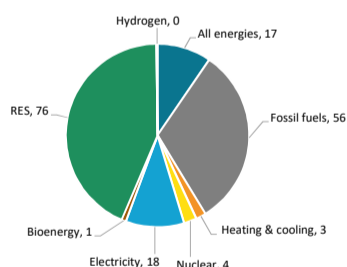
Energy subsidies (€2018bn) by energy carrier

All energies	TBC
Fossil fuels	TBC
Coal	TBC
Natural	TBC
Oil	TBC
Heating & cooling	TBC
Nuclear	TBC
Electricity	TBC
Bioenergy	TBC
RES	TBC
Biomass	TBC
Hydropower	TBC
Solar	TBC
Wind	TBC
Others/several RES	TBC
Hydrogen	TBC
Total	

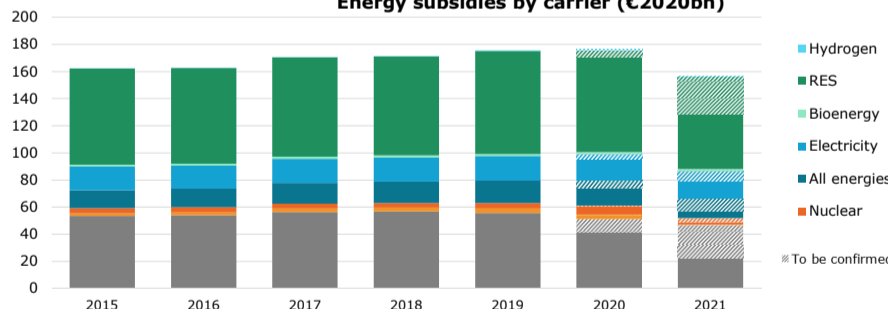
Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
13	14	15	16	17	13	5	
53	54	56	57	56	41	23	
10	10	10	10	8	7	5	
8	9	10	9	9	5	3	
25	26	27	28	30	22	12	
2	2	3	3	3	3	0	
4	4	4	3	4	6	2	
18	17	18	18	18	16	13	
1	1	2	2	1	1	1	
71	71	73	73	76	70	41	
15	15	15	15	15	14	10	
3	3	2	2	2	2	0	
29	28	29	28	29	27	13	
16	17	19	18	21	19	13	
8	7	8	9	10	9	5	
0	0	0	0	0	0	0	
163	163	171	172	176	177	162	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
74.50	+28%	+5%
276.37	+4%	+1%
47.88	-20%	-4%
45.71	+10%	+2%
136.80	+17%	+3%
12.26	+68%	+11%
18.62	+2%	+0%
88.59	+1%	+0%
7.35	+16%	+3%
363.18	+8%	+1%
74.50	-0%	-0%
12.40	-16%	-3%
143.18	-1%	-0%
90.90	+26%	+5%
42.19	+23%	+4%
1.25	+80%	+12%
843.67	+8%	+2%

2019



Energy subsidies by carrier (€2020bn)



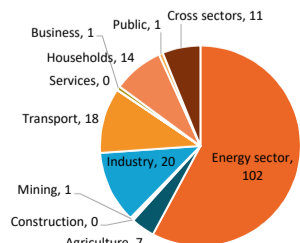
Support by sector

Energy sector	TBC
Agriculture	TBC
Construction	TBC
Mining	TBC
Industry	TBC
Transport	TBC
Services	TBC
Business	TBC
Households	TBC
Public	TBC
Cross sectors	TBC
Total	

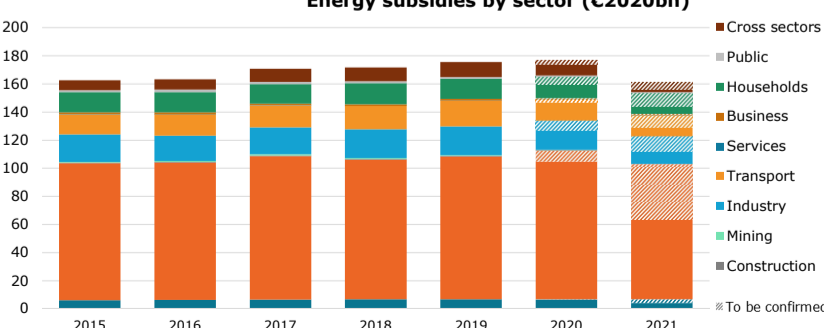
Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
97	98	102	99	102	98	57	
6	6	7	7	7	7	4	
0	0	0	0	0	0	0	
1	1	1	1	1	1	0	
19	18	19	21	20	14	9	
15	15	15	16	18	13	6	
0	0	0	0	0	0	0	
1	1	1	1	1	1	0	
14	14	14	15	14	10	5	
1	2	2	2	1	1	1	
7	7	9	10	11	8	2	
163	163	171	172	176	177	162	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
498.04	+4%	+1%
32.33	+12%	+2%
2.06	-6%	-1%
3.23	-1%	-0%
97.92	+5%	+1%
80.13	+27%	+5%
0.29	-46%	-11%
6.18	-15%	-3%
71.81	+0%	+0%
7.48	-20%	-4%
44.22	+51%	+9%
843.67	+8%	+2%

2019



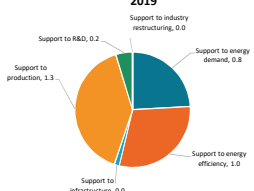
Energy subsidies by sector (€2020bn)



Austria

Energy subsidies by type

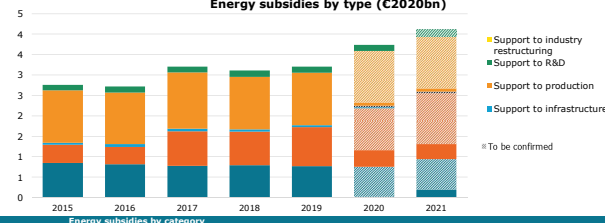
2019
Support to energy demand, 0.8
Support to energy efficiency, 1.0
Support to infrastructure, 0.0
Support to production, 1.3
Support to R&D, 0.2
Support to industry restructuring, 0.0
Total



Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.8	0.8	0.8	0.8	0.8	0.8	0.8
0.4	0.4	0.8	0.8	1.0	0.4	0.4
0.0	0.1	0.1	0.1	0.0	1.3	1.3
1.3	1.3	1.4	1.3	1.3	0.1	0.1
0.1	0.1	0.1	0.2	0.2	0.1	0.2
						0.2
2.8	2.7	3.2	3.1	3.2	3.7	4.1

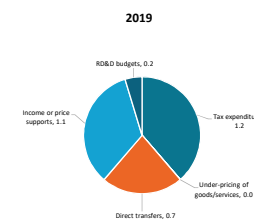
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
4.01	-9%	-2%
3.49	+114%	+16%
0.27	-4%	-1%
6.49	+0%	+0%
0.74	+9%	+2%
22.84	16%	3%

Energy subsidies by type (C2020bn)



Energy subsidies by category

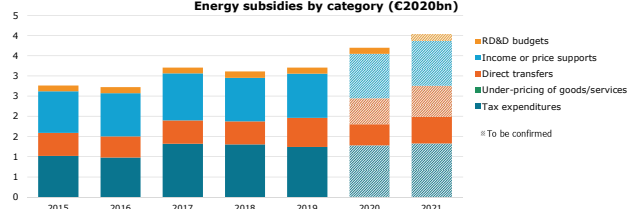
2019
Tax expenditures, 1.2
Under-pricing of goods/services, 0.0
Direct transfers, 0.7
Income or price supports, 1.1
RD&D budgets, 0.2
Total



Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
1.0	1.0	1.3	1.3	1.2	0.0	1.3
						1.3
0.8	0.5	0.6	0.6	0.7	0.5	0.7
1.0	1.1	1.2	1.1	1.1	1.1	1.1
0.1	0.1	0.1	0.2	0.2	0.1	0.2
2.8	2.7	3.2	3.1	3.2	3.7	4.1

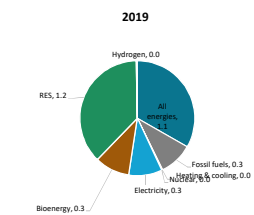
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
5.87	+22%	+4%
2.98	+26%	+5%
5.42	+6%	+1%
0.74	+9%	+2%
15.00	+16%	+3%

Energy subsidies by category (C2020bn)



Energy subsidies (C2018bn) by energy carrier

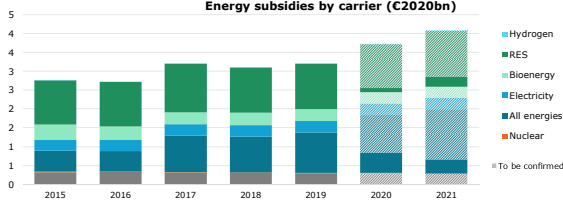
2019
All energies, 1.2
Fossil fuels, 0.3
Nuclear, 0.0
Electricity, 0.3
Bioenergy, 0.4
RES, 1.2
Biomass, 0.4
Hydropower, 0.1
Solar, 0.4
Wind, 0.4
Others/several RES, 0.1
Hydrogen, 0.0
Total



Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.6	0.5	1.0	0.9	1.1	0.5	0.4
0.3	0.3	0.3	0.3	0.3	0.0	0.3
0.0	0.0	0.0	0.0	0.0		
0.2	0.3	0.2	0.2	0.2	0.2	0.2
0.0	0.0	0.0	0.0	0.0	0.0	0.3
0.0	0.0	0.0	0.0	0.0	0.0	0.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.3	0.3	0.3	0.3		
0.4	0.3	0.3	0.3	0.3	0.3	0.3
1.2	1.2	1.3	1.2	1.2	1.1	0.3
0.4	0.4	0.4	0.4	0.3	0.0	0.0
0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.4	0.4	0.2	0.2	0.2	0.0	0.0
0.1	0.5	0.5	0.5	0.6	0.6	0.6
0.1	0.1	0.1	0.1	0.1	0.1	0.3
0.0	0.0	0.0	0.0	0.0	0.0	0.2
2.8	2.7	3.2	3.1	3.2	3.7	4.1

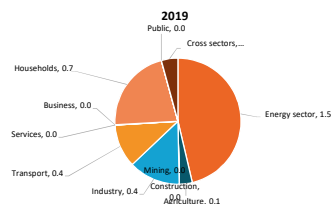
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
4.06	+94%	+14%
1.59	-7%	-2%
0.12	-19%	-4%
1.23	-3%	-1%
0.22	-21%	-5%
0.05	-63%	-18%
0.01	+16%	+3%
1.52	+2%	+0%
1.71	-21%	-5%
6.04	+3%	+1%
1.93	-24%	-5%
0.55	-8%	-2%
0.74	+27%	+5%
2.50	+31%	+6%
0.42	-28%	-6%
0.03	+420%	+39%
15.00	+16%	+3%

Energy subsidies by carrier (C2020bn)



Support by sector

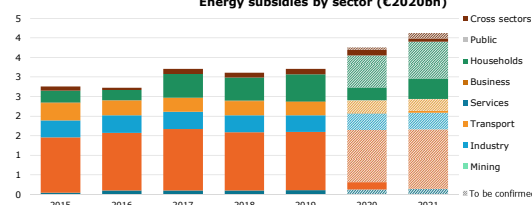
2019
Energy sector, 1.5
Agriculture, 0.1
Construction, 0.0
Mining, 0.0
Industry, 0.4
Transport, 0.4
Services, 0.0
Business, 0.0
Households, 0.3
Public, 0.0
Cross sectors, 0.0
Total



Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
1.4	1.5	1.6	1.5	1.5	0.2	1.5
0.1	0.1	0.1	0.1	0.1	0.1	0.1
						0.1
0.4	0.4	0.4	0.4	0.4	0.4	0.4
0.4	0.4	0.4	0.4	0.4	0.4	0.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.3	0.6	0.6	0.7	0.3	0.5
0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.8	2.7	3.2	3.1	3.2	3.7	4.1

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
7.42	+5%	+1%
0.47	+113%	+16%
2.17	-1%	-0%
1.89	-20%	-4%
0.04	-75%	-24%
2.46	+128%	+18%
0.55	+27%	+5%
15.00	+16%	+3%

Energy subsidies by sector (C2020bn)



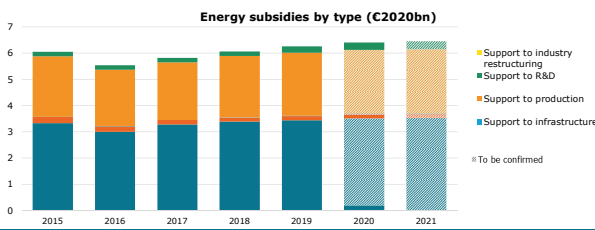
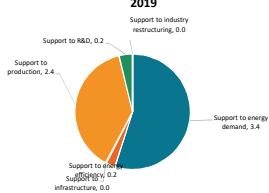
Belgium

Energy subsidies by type

2019
Support to energy demand
Support to energy efficiency
Support to infrastructure
Support to production
Support to R&D
Support to industry restructuring
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
3.3	3.0	3.3	3.4	3.4	3.2	3.5	
0.2	0.2	0.2	0.1	0.2	0.1	0.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.1	
2.3	2.1	2.2	2.3	2.4	2.4	2.4	
0.2	0.2	0.2	0.2	0.2	0.3	0.3	
					0.0	0.3	
6.0	5.5	5.8	6.1	6.3	6.4	6.4	

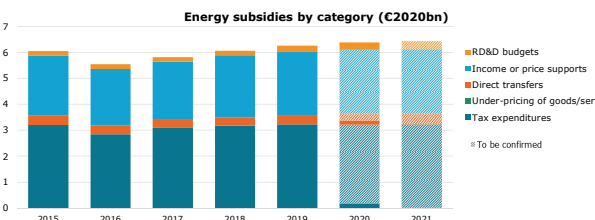
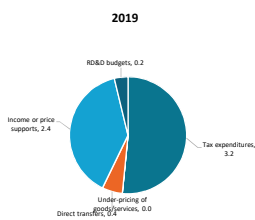
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
16.44	+3%	+1%
0.92	-32%	-7%
0.03	+692%	+51%
11.37	+4%	+1%
0.93	+38%	+7%
42.55	3%	1%



2019
Tax expenditures
Under-pricing of goods/services
Direct transfers
Income or price supports
RD&D budgets
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
3.2	2.8	3.1	3.2	3.2	3.2	3.2	
0.4	0.3	0.3	0.3	0.4	0.2	0.0	
2.3	2.2	2.2	2.4	2.4	2.5	2.5	
0.2	0.2	0.2	0.2	0.2	0.3	0.3	
					0.0	0.3	
6.0	5.5	5.8	6.1	6.3	6.4	6.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
15.53	+1%	+0%
1.67	-2%	-0%
11.56	+6%	+1%
0.93	+38%	+7%
29.70	+3%	+1%

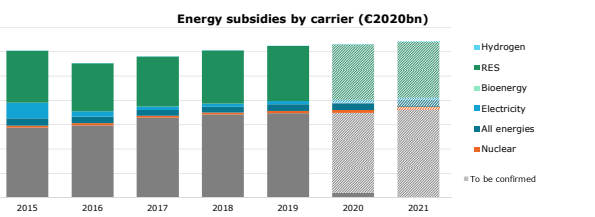
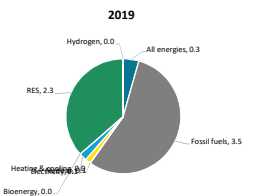


Energy subsidies (C2018bn) by energy carrier

2019
All energies
Fossil fuels
Natural gas
Oil
Heating & cooling
Nuclear
Electricity
Bioenergy
RES
Biomass
Hydropower
Solar
Wind
Others/several RES
Hydrogen
Total

Energy subsidies (C2018bn)							
2015	2016	2017	2018	2019	2020	2021	
0.3	0.3	0.2	0.2	0.3	0.3	0.0	
2.9	3.0	3.3	3.4	3.5	3.2	3.2	
0.2	0.2	0.2	0.2	0.3	0.3	0.3	
2.5	2.7	3.0	3.1	3.2	3.3	3.6	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	
0.6	0.2	0.1	0.1	0.1		0.1	
					0.1	0.1	
2.1	2.0	2.1	2.2	2.3	2.3	2.3	
0.4	0.4	0.4	0.4	0.4	0.4	0.4	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1.1	1.0	1.0	1.1	1.0	1.0	1.0	
0.5	0.5	0.6	0.7	0.8	0.8	0.8	
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	
					2.3	2.3	
6.0	5.5	5.8	6.1	6.3	6.4	6.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
1.32	-11%	-2%
16.03	+21%	+4%
1.17	+15%	+3%
14.42	+25%	+8%
0.43	+17%	+3%
1.27	-79%	-27%
10.64	+6%	+1%
2.08	-13%	-3%
0.04	-25%	-6%
3.57	+8%	+2%
3.07	+50%	+8%
0.12	+80%	+12%
0.01	+452%	+41%
29.70	+3%	+1%

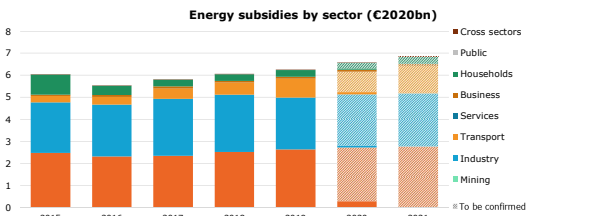
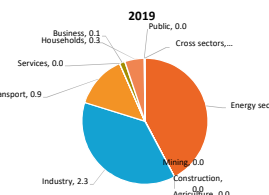


Support by sector

2019
Energy sector
Agriculture
Construction
Mining
Industry
Transport
Services
Business
Households
Public
Cross sectors
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
2.9	2.3	2.4	2.5	2.6	2.6	2.8	
					0.3	2.4	
					2.3	2.4	
2.3	2.3	2.6	2.6	2.3	0.1	0.1	
0.3	0.4	0.5	0.6	0.9	0.4	1.2	
					0.5	1.2	
0.1	0.1	0.1	0.1	0.1	0.1	0.0	
					0.5	0.7	
0.9	0.4	0.3	0.3	0.3	0.1	0.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.3	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	
6.0	5.5	5.8	6.1	6.3	6.4	6.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
12.31	+7%	+1%
12.17	+2%	+0%
2.50	+206%	+25%
0.41	+32%	+6%
2.25	-66%	-19%
0.03	-27%	-6%
0.03	+57%	+9%
29.70	+3%	+1%

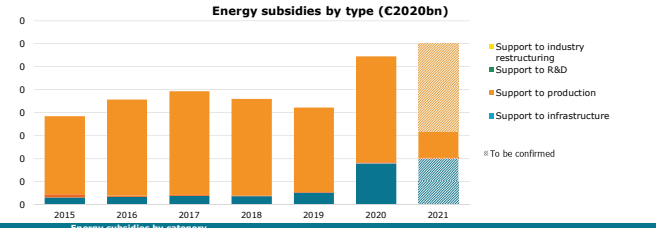
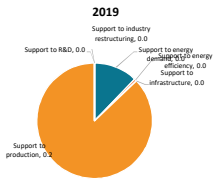


Cyprus

Energy subsidies by type

Support to energy demand	
TFC	
Support to energy efficiency	
TFC	
Support to infrastructure	
TFC	
Support to production	
TFC	
Support to R&D	
TFC	
Support to industry restructuring	
TFC	
Total	

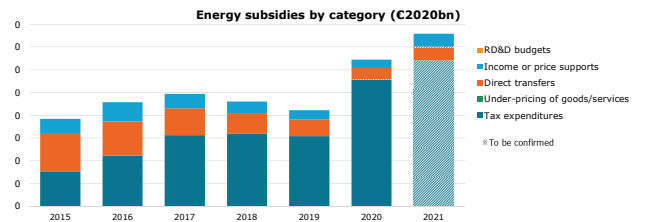
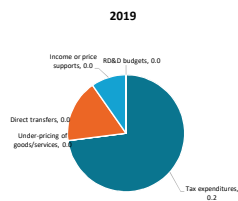
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.10	+67%	+11%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	-78%	-26%
							0.0			
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	1.00	+8%	+2%
0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	1.78	10%	2%



Energy subsidies by category

Tax expenditures	
TFC	
Under-pricing of goods/services	
TFC	
Direct transfers	
TFC	
Income or price supports	
TFC	
RD&D budgets	
TFC	
Total	

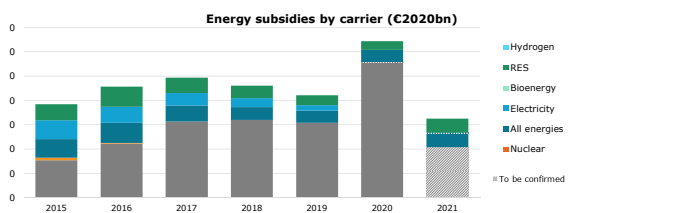
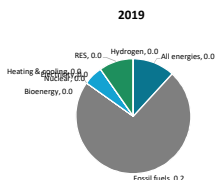
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.66	+101%	+15%
							0.0			
0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.30	-56%	-15%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	-38%	-9%
0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	1.11	+10%	+2%



Energy subsidies (C2018bn) by energy carrier

All energies	
TFC	
Fossil fuels	
Coal	
Natural gas	
Oil	
TFC	
Heating & cooling	
TFC	
Nuclear	
TFC	
Electricity	
TFC	
Bioenergy	
TFC	
RES	
Biomass	
Hydropower	
Solar	
Wind	
Others/several RES	
TFC	
Hydrogen	
TFC	
Total	

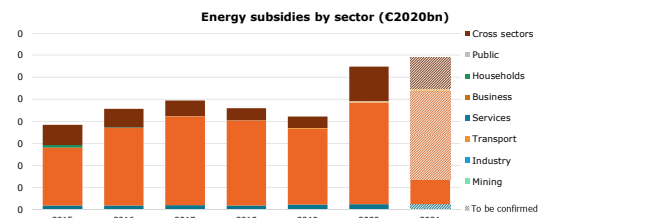
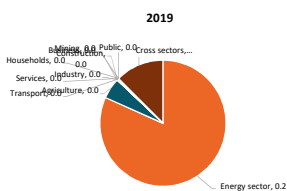
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	-34%	-8%
0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.66	+101%	+15%
0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.66	+101%	+15%
							0.0			
0.0	0.0							0.01	-100%	-100%
0.0	0.0	0.0	0.0	0.0	0.0			0.13	-71%	-22%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.15	-38%	-9%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	-75%	-24%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-32%	-7%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	-39%	-9%
0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	1.11	+10%	+2%



Support by sector

Energy sector	
TFC	
Agriculture	
TFC	
Construction	
Mining	
Industry	
TFC	
Transport	
TFC	
Services	
TFC	
Business	
TFC	
Households	
TFC	
Public	
Cross sectors	
TFC	
Total	

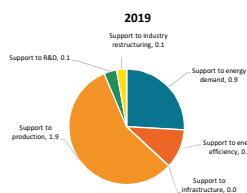
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.87	+31%	+6%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	+25%	+5%
							0.0			
							0.0			
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	+4960%	+246%
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	-100%	-100%
0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.18	-43%	-11%
							0.1			
0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	1.11	+10%	+2%



Czechia

Energy subsidies by type

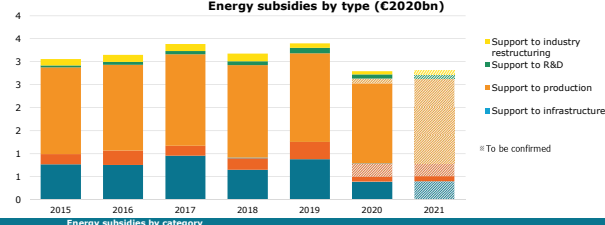
2019
Support to energy demand, 0.9
Support to energy efficiency, 0.4
Support to infrastructure, 0.0
Support to production, 1.9
Support to R&D, 0.1
Support to industry restructuring, 0.1
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.6	0.8	1.0	0.7	0.9	0.4	0.4	
0.2	0.3	0.2	0.2	0.4	0.1	0.1	
			0.0	0.0	0.0	0.3	
1.9	1.9	2.0	2.0	1.9	1.7	1.8	
0.0	0.1	0.1	0.1	0.1	0.1	0.1	
0.1	0.2	0.2	0.2	0.1	0.1	0.1	
						0.1	
3.1	3.1	3.4	3.2	3.4	2.8	2.8	

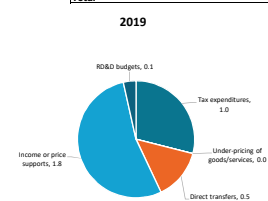
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
4.01	+15%	+3%
1.37	+68%	+11%
0.02		
9.67	+2%	+0%
0.38	+157%	+21%
0.71	-31%	-7%
21.75	11%	2%

Energy subsidies by type (C2020bn)



Energy subsidies by category

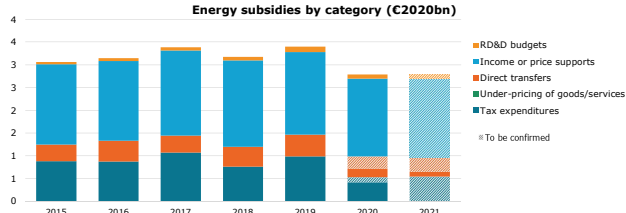
2019
Tax expenditures, 1.0
Under-pricing of goods/services, 0.5
Direct transfers, 0.5
Income or price supports, 1.8
RD&D budgets, 0.1
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.9	0.9	1.1	0.8	1.0	0.4	0.5	
						0.1	
0.4	0.5	0.4	0.4	0.5	0.2	0.1	
1.8	1.8	1.9	1.9	1.8	1.7	1.7	
0.0	0.1	0.1	0.1	0.1	0.1	0.1	
						0.1	
3.1	3.1	3.4	3.2	3.4	2.8	2.8	

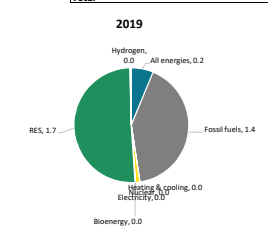
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
4.57	+12%	+2%
2.10	+32%	+6%
9.11	+3%	+1%
0.38	+157%	+21%
16.16	+11%	+2%

Energy subsidies by category (C2020bn)



Energy subsidies (C2018bn) by energy carrier

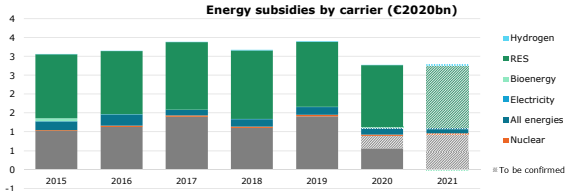
2019
All energies, 0.2
Fossil fuels, 1.4
Nuclear, 0.0
Electricity, 0.0
Bioenergy, 0.0
RES, 1.7
Biomass, 0.5
Hydropower, 0.1
Solar, 1.1
Wind, 0.9
Others/several RES, 0.0
Hydrogen, 0.0
Total



Energy subsidies (C2018bn)							
2015	2016	2017	2018	2019	2020	2021	
0.2	0.3	0.1	0.2	0.2	0.2	0.1	
1.0	1.1	1.4	1.1	1.4	0.6	0.0	
0.2	0.2	0.2	0.2	0.1	0.1	0.1	
0.1	0.1	0.1	0.1	0.1	0.0	0.0	
0.7	0.8	1.0	0.7	0.9	0.4	0.5	
						0.3	
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	0.0	0.0	0.0	
0.1	0.0	0.0	0.0	0.0	0.0	0.0	
1.7	1.7	1.8	1.8	1.7	1.6	1.6	
0.5	0.5	0.5	0.5	0.4	0.4	0.4	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	
1.1	1.1	1.1	1.1	1.1	1.1	1.1	
0.0	0.0	0.1	0.1	0.1	0.1	0.1	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
						1.7	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.1	3.1	3.4	3.2	3.4	2.8	2.8	

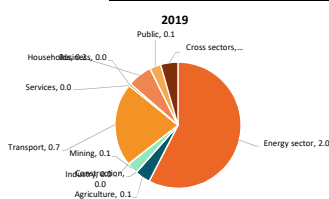
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
1.08	-9%	-2%
6.07	+37%	+7%
0.88	-23%	-5%
0.38	+2%	+0%
3.94	+26%	+5%
0.01	-100%	-100%
0.16	+165%	+21%
0.01	+6%	+1%
0.09	-99%	-57%
8.70	+2%	+0%
2.33	-11%	-2%
0.42	-0%	-0%
3.55	+8%	+1%
0.26	+9%	+2%
0.04	+46%	+8%
0.04	+217%	+87%
16.16	+11%	+2%

Energy subsidies by carrier (C2020bn)



Support by sector

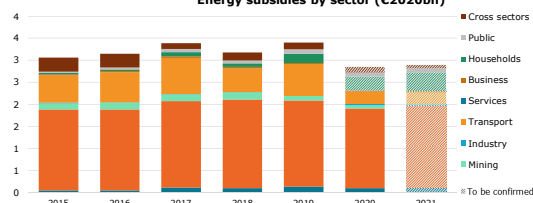
2019
Energy sector, 2.0
Agriculture, 0.1
Construction, 0.0
Mining, 0.1
Industry, 0.0
Transport, 0.7
Services, 0.0
Business, 0.0
Households, 0.0
Public, 0.1
Cross sectors, 0.0
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
1.8	1.8	2.0	2.0	2.0	1.8	1.9	
0.0	0.1	0.1	0.1	0.1	0.1	0.1	
0.1	0.2	0.2	0.2	0.1	0.1	0.1	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.6	0.7	0.8	0.5	0.7	0.3	0.3	
						0.3	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.0	0.0	0.1	0.1	0.2	0.3	0.4	
0.0	0.1	0.1	0.1	0.1	0.1	0.1	
0.3	0.3	0.1	0.2	0.2	0.0	0.0	
						0.1	
3.1	3.1	3.4	3.2	3.4	2.8	2.8	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
9.55	+7%	+1%
0.45	+183%	+23%
0.71	-31%	-7%
0.02	-94%	-31%
3.38	+18%	+3%
0.15	-38%	-9%
0.46	+658%	+50%
0.31	+263%	+29%
1.08	-33%	-14%
16.16	+11%	+2%

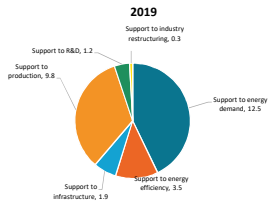
Energy subsidies by sector (C2020bn)



France

Energy subsidies by type

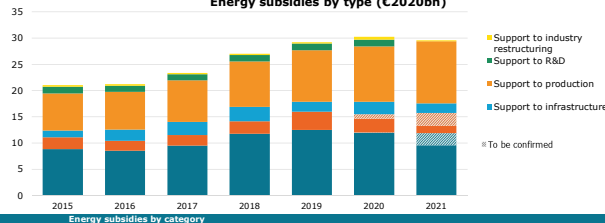
2019
Support to energy demand, 12.5
Support to energy efficiency, 3.5
Support to infrastructure, 1.9
Support to production, 9.8
Support to R&D, 1.2
Support to industry restructuring, 0.3
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
8.6	8.5	9.5	11.8	12.3	11.9	8.6	
2.2	1.9	2.0	2.4	3.5	2.6	1.4	
1.3	2.2	2.5	2.7	1.9	2.4	1.9	
7.1	7.2	7.9	8.7	9.8	10.5	11.8	
1.2	1.1	1.2	1.2	1.2	1.2		
0.3	0.3	0.3	0.3	0.3	0.6	0.2	
21.0	21.2	23.4	27.0	29.2	30.3	29.6	

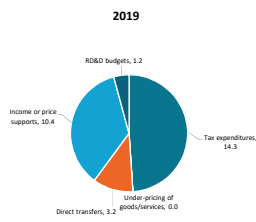
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
31.15	+41%	+7%
12.01	+56%	+9%
10.55	+46%	+8%
40.61	+38%	+7%
5.98	-0%	-0%
1.45	-22%	-5%
181.56	39%	7%

Energy subsidies by type (C2020bn)



Energy subsidies by category

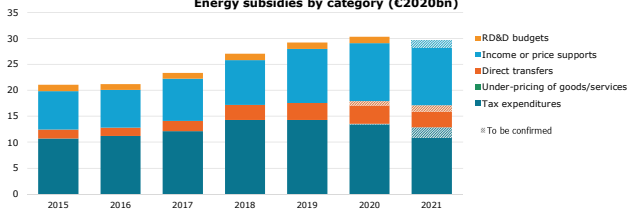
2019
Tax expenditures, 14.3
Income or price supports, 10.4
RD&D budgets, 1.2
Direct transfers, 3.3
Under-pricing of goods/services, 0.0
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
10.7	11.2	12.1	14.3	14.3	13.4	10.8	
				0.1		2.0	
1.7	1.6	1.9	2.9	3.2	3.3	3.0	
7.4	7.3	8.1	8.6	10.4	11.2	11.0	
1.2	1.1	1.2	1.2	1.2	1.2	1.3	
21.0	21.2	23.4	27.0	29.2	30.3	29.6	

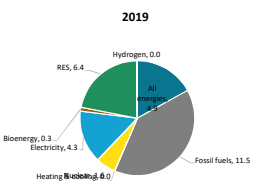
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
62.60	+33%	+6%
11.40	+89%	+14%
41.78	+41%	+7%
5.98	-0%	-0%
121.76	+39%	+7%

Energy subsidies by category (C2020bn)



Energy subsidies (C2018bn) by energy carrier

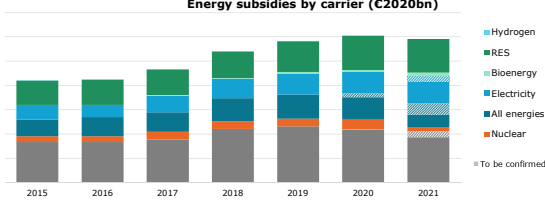
2019
All energies, 21.5
Fossil fuels, 11.5
RES, 6.4
Electricity, 4.3
Bioenergy, 0.3
Hydrogen, 0.0
Heating, 6.0
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
3.4	3.9	4.0	4.7	4.9	4.6	2.5	
8.3	8.4	8.9	11.1	11.5	10.8	9.3	
0.3	0.4	0.3	0.4	0.3	0.3	0.3	
0.5	0.5	0.6	1.3	1.3	1.0	0.9	
5.2	5.5	6.0	7.2	7.8	7.3	7.2	
1.2	1.2	1.6	1.6	1.6	2.0	0.9	
3.0	2.5	3.4	4.0	4.3	4.4	4.4	
0.0	0.0	0.1	0.2	0.3	0.4	0.7	
5.0	5.2	5.3	5.3	6.4	7.0	6.9	
0.7	0.8	0.8	0.9	1.0	1.1	1.2	
2.5	2.5	2.6	2.5	2.8	2.9	2.9	
1.7	1.9	1.7	1.4	1.6	1.9	1.8	
0.8	0.8	0.8	0.8	1.0	1.0	1.1	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21.0	21.2	23.4	27.0	29.2	30.3	29.6	

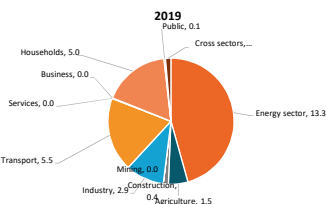
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
21.05	+45%	+8%
48.19	+39%	+7%
1.79	-2%	-0%
3.98	+125%	+18%
31.83	+47%	+8%
7.13	+37%	+7%
17.28	+43%	+7%
0.58	+3933%	+109%
27.37	+26%	+5%
4.33	+93%	+7%
12.63	+17%	+2%
6.03	+51%	+9%
4.18	+22%	+4%
0.16	+18%	+3%
121.76	+39%	+7%

Energy subsidies by carrier (C2020bn)



Support by sector

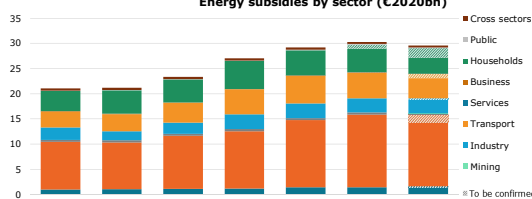
2019
Energy sector, 13.3
Households, 5.0
Business, 0.0
Services, 0.0
Transport, 5.5
Mining, 0.0
Industry, 2.9
Construction, 0.0
Agriculture, 1.5
Cross sectors, 0.1
Total



Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
9.4	9.3	10.5	11.4	13.3	14.4	12.7	
1.0	1.0	1.1	1.2	1.5	1.4	1.4	
0.4	0.4	0.4	0.4	0.4	0.4	0.3	
2.5	1.8	2.3	3.0	2.9	2.8	0.0	
3.1	3.4	3.9	4.9	5.3	5.1	4.0	
0.1	0.1	0.1	0.1	0.0	0.0	0.0	
4.0	4.6	4.5	5.6	5.0	4.6	3.2	
0.1	0.1	0.1	0.1	0.0	0.0	0.0	
0.4	0.4	0.5	0.4	0.4	0.4	0.4	
21.0	21.2	23.4	27.0	29.2	30.3	29.6	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
53.86	+42%	+7%
5.87	+42%	+7%
2.06	-6%	-1%
12.34	+17%	+3%
20.90	+76%	+12%
0.01		
0.44	-57%	-16%
23.72	+25%	+5%
0.40	+81%	+13%
2.17	-3%	-1%
121.76	+39%	+7%

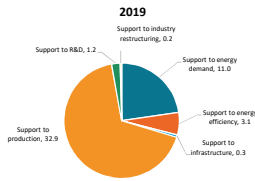
Energy subsidies by sector (C2020bn)



Germany

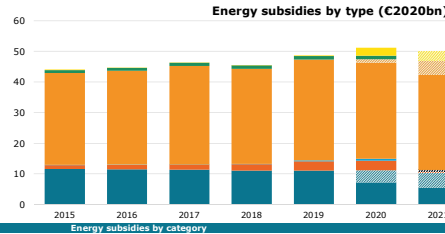
Energy subsidies by type

2019
Support to energy demand, 11.9
Support to energy efficiency, 3.1
Support to infrastructure, 0.3
Support to production, 32.9
Support to R&D, 1.2
Support to industry restructuring, 0.2
Total



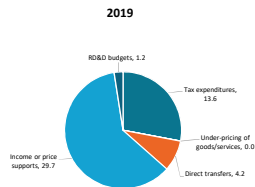
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
11.6	11.5	11.3	11.1	11.0	7.3	5.5
1.3	1.5	1.7	2.2	3.1	3.1	4.3
0.0	0.1	0.0	0.1	0.3	0.6	0.4
30.0	30.6	32.1	31.0	32.9	31.4	31.0
1.0	1.0	1.1	1.1	1.2	1.2	1.1
0.1	0.1	0.1	0.1	0.2	2.6	2.7
44.0	44.8	46.4	45.5	48.7	51.2	49.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
56.55	-5%	-1%
9.73	+137%	+19%
0.53	+782%	+55%
156.64	+10%	+2%
5.29	+22%	+4%
0.64	+55%	+9%
330.44	11%	2%



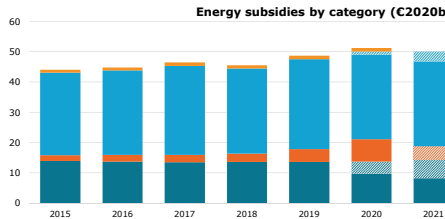
Energy subsidies by category

2019
Tax expenditures, 13.6
Under-pricing of goods/services, 4.0
Direct transfers, 4.2
Income or price supports, 29.7
RD&D budgets, 1.2
Total



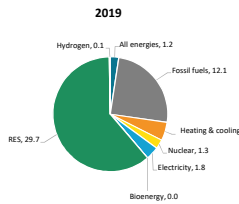
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
13.9	13.7	13.5	13.6	13.6	9.7	8.2
0.0	0.0	0.0	0.0	0.0	4.0	6.0
1.9	2.2	2.4	2.8	4.2	7.3	0.3
27.3	27.9	29.4	28.1	29.7	27.0	28.0
1.0	1.0	1.1	1.1	1.2	1.2	1.1
44.0	44.8	46.4	45.5	48.7	51.2	49.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
68.27	-2%	-0%
13.41	+122%	+17%
142.41	+9%	+2%
5.29	+22%	+4%
229.39	+11%	+2%



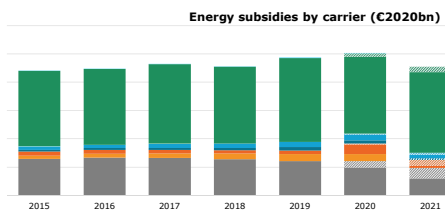
Energy subsidies (C2018bn) by energy carrier

2019
All energies, 12.1
Fossil fuels, 12.1
Heating & cooling, 2.5
Nuclear, 1.3
Electricity, 1.8
Bioenergy, 0.0
RES, 29.7
Hydrogen, 0.1
Total



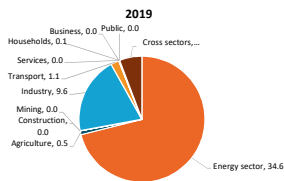
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.6	0.7	0.7	0.8	1.2	1.1	0.4
12.9	13.4	13.3	12.8	12.1	9.9	9.1
6.2	6.2	5.8	5.7	4.9	5.2	4.0
4.5	4.9	4.9	4.8	5.0	2.5	1.9
1.7	1.7	1.7	1.9	1.7	1.3	0.7
1.2	1.4	1.6	2.0	2.3	2.3	3.6
1.4	1.3	1.2	1.2	1.3	3.3	0.7
1.3	1.1	1.5	1.6	1.8	2.1	1.2
0.0	0.0	0.0	0.0	0.0	0.3	0.7
26.6	26.9	28.1	27.1	29.7	27.1	28.5
7.1	7.4	7.1	6.4	6.8	6.5	6.8
0.4	0.4	0.3	0.3	0.3	0.3	0.3
10.4	10.0	9.2	10.1	10.0	8.0	9.8
0.2	0.1	0.4	0.8	0.6	0.2	1.0
2.1	2.0	2.3	2.3	3.0	2.2	1.5
0.0	0.0	0.0	0.1	0.1	0.1	1.9
44.0	44.8	46.4	45.5	48.7	51.2	49.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
3.92	+106%	+16%
64.54	-6%	-1%
28.89	-21%	-5%
24.07	+12%	+2%
8.93	-4%	-1%
8.67	+109%	+16%
6.39	-11%	-2%
7.34	+40%	+7%
0.02	-100%	-100%
138.27	+12%	+2%
34.90	-5%	-1%
1.70	-8%	-2%
50.14	-3%	-1%
39.75	+44%	+7%
11.69	+45%	+8%
0.25	+532%	+45%
229.39	+11%	+2%



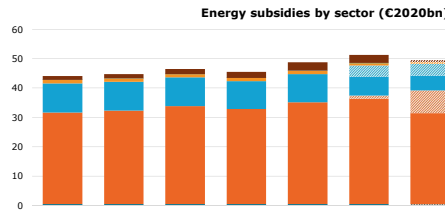
Support by sector

2019
Energy sector, 34.6
Agriculture, 0.5
Construction, 0.0
Mining, 0.0
Industry, 9.6
Transport, 0.0
Services, 0.0
Business, 0.0
Households, 0.1
Public, 0.0
Cross sectors, 0.4
Total



Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
11.1	11.8	13.4	12.3	14.8	15.8	11.0
0.5	0.5	0.5	0.5	0.5	0.5	0.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.9	9.8	9.8	9.5	9.6	6.4	5.0
1.2	1.2	1.1	1.0	1.1	1.5	1.1
0.0	0.0	0.0	0.0	0.0	0.7	0.7
0.0	0.0	0.0	0.0	0.1	0.1	0.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.3	1.5	1.7	2.1	2.8	2.7	2.7
44.0	44.8	46.4	45.5	48.7	51.2	49.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
163.15	+11%	+2%
2.46	+5%	+1%
48.65	-3%	-1%
5.54	-10%	-2%
0.12	+486%	+42%
0.08	+231%	+27%
9.40	+115%	+17%
229.39	+11%	+2%



Greece

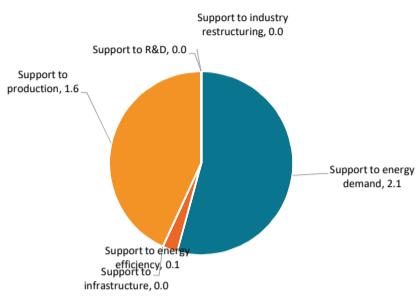
Energy subsidies by type

Support to energy demand	TBC
Support to energy efficiency	TBC
Support to infrastructure	TBC
Support to production	TBC
Support to R&D	TBC
Support to industry restructuring	TBC
Total	

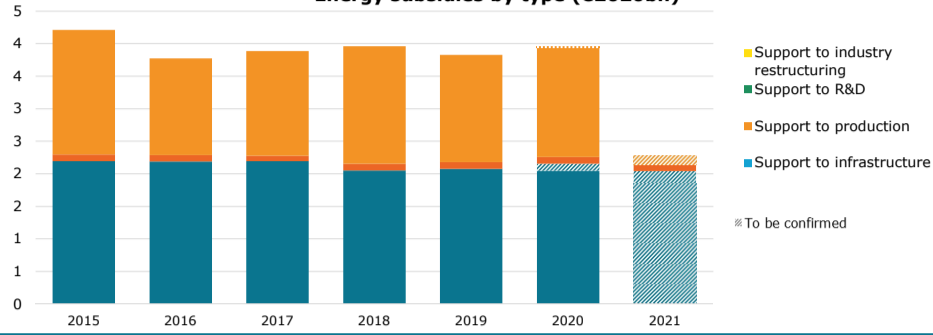
Energy subsidies (€2020bn)						
2015	2016	2017	2018	2019	2020	2021
2.2	2.2	2.2	2.0	2.1	2.0	2.0
0.1	0.1	0.1	0.1	0.1	0.1	0.1
1.9	1.5	1.6	1.8	1.6	1.7	0.1
4.2	3.8	3.9	4.0	3.8	4.0	2.3

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
10.69	-5%	-1%
0.49	-4%	-1%
8.46	-14%	-3%
25.88	-9%	-2%

2019



Energy subsidies by type (€2020bn)



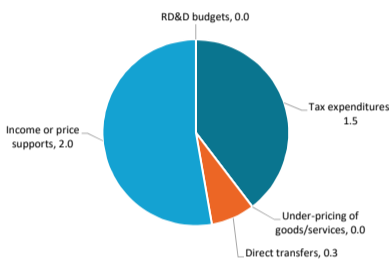
Energy subsidies by category

Tax expenditures	TBC
Under-pricing of goods/services	TBC
Direct transfers	TBC
Income or price supports	TBC
RD&D budgets	TBC
Total	

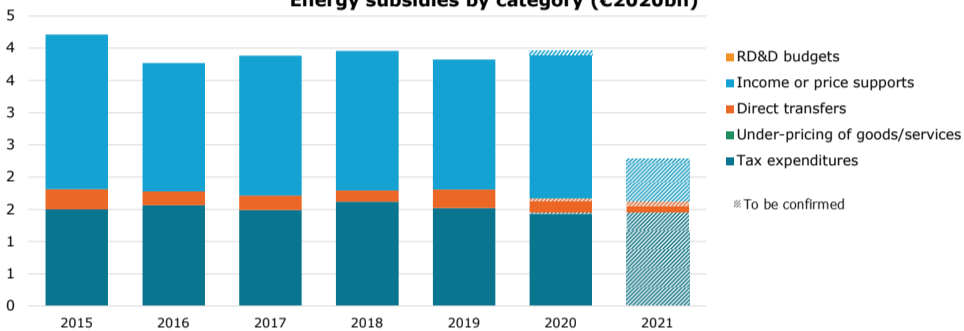
Energy subsidies (€2020bn)						
2015	2016	2017	2018	2019	2020	2021
1.5	1.6	1.5	1.6	1.5	1.4	1.4
0.3	0.2	0.2	0.2	0.3	0.2	0.1
2.4	2.0	2.2	2.2	2.0	2.2	0.7
4.2	3.8	3.9	4.0	3.8	4.0	2.3

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
7.68	+1%	+0%
1.22	-8%	-2%
10.75	-16%	-3%
19.65	-9%	-2%

2019



Energy subsidies by category (€2020bn)



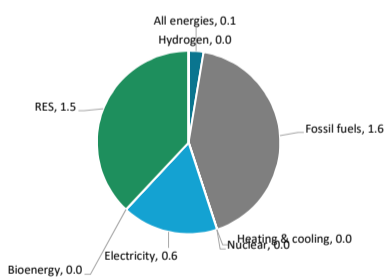
Energy subsidies (€2018bn) by energy carrier

All energies	TBC
Fossil fuels	TBC
Coal	TBC
Natural	TBC
Oil	TBC
Heating & cooling	TBC
Nuclear	TBC
Electricity	TBC
Bioenergy	TBC
RES	TBC
Biomass	TBC
Hydropower	TBC
Solar	TBC
Wind	TBC
Others/several RES	TBC
Hydrogen	TBC
Total	

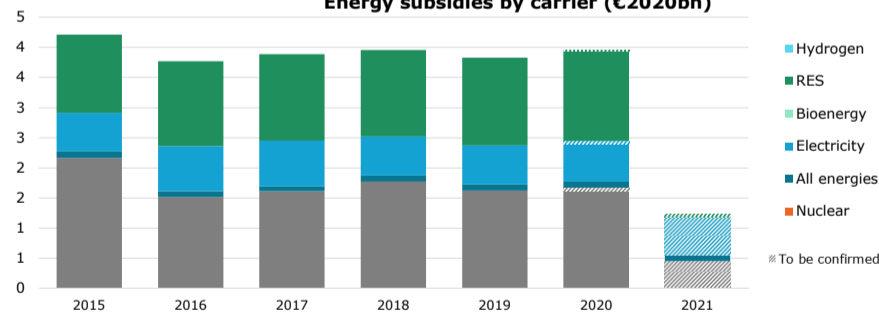
Energy subsidies (€2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.1	0.1	0.1	0.1	0.1	0.1	0.1
2.2	1.5	1.6	1.8	1.6	1.6	0.0
0.3	0.2	0.2	0.2	0.2	0.2	0.1
0.2	0.1	0.1	0.2	0.2	0.2	0.0
1.2	1.1	1.2	1.2	1.1	1.2	0.5
0.6	0.8	0.8	0.6	0.6	0.6	0.6
1.3	1.4	1.4	1.4	1.5	1.5	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.1	1.1	1.0	1.0	1.1	0.0
0.2	0.2	0.3	0.3	0.3	0.4	0.0
0.0	0.0	0.0	0.1	0.0	0.0	0.0
4.2	3.8	3.9	4.0	3.8	4.0	2.3

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
0.49	-5%	-1%
8.68	-25%	-6%
0.98	-36%	-9%
0.91	+34%	+6%
5.81	-4%	-1%
3.45	+1%	+0%
7.03	+12%	+2%
0.12	+206%	+25%
0.15	+10%	+2%
5.24	-1%	-0%
1.36	+84%	+13%
0.15	-68%	-20%
19.65	-9%	-2%

2019



Energy subsidies by carrier (€2020bn)



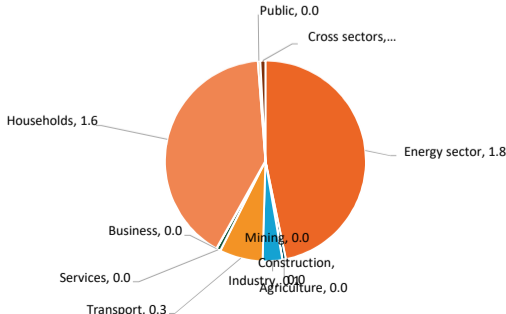
Support by sector

Energy sector	TBC
Agriculture	TBC
Construction	TBC
Mining	TBC
Industry	TBC
Transport	TBC
Services	TBC
Business	TBC
Households	TBC
Public	TBC
Cross sectors	TBC
Total	

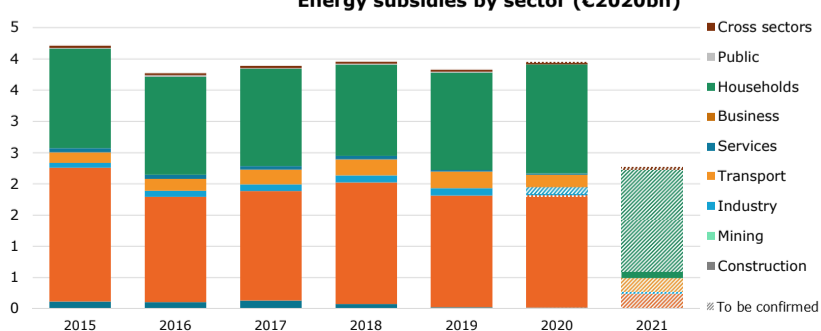
Energy subsidies (€2020bn)						
2015	2016	2017	2018	2019	2020	2021
2.1	1.7	1.8	2.0	1.8	1.8	0.2
0.1	0.1	0.1	0.1	0.0	0.0	0.0
0.1	0.1	0.1	0.1	0.1	0.0	0.0
0.2	0.2	0.2	0.3	0.3	0.2	0.2
0.1	0.1	0.1	0.1	0.0	0.0	0.0
1.6	1.6	1.6	1.5	1.6	1.7	0.1
0.0	0.0	0.0	0.0	0.0	0.0	1.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.2	3.8	3.9	4.0	3.8	4.0	2.3

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
9.32	-17%	-4%
0.44	-81%	-29%
0.52	+57%	+9%
1.11	+59%	+10%
0.27	-63%	-18%
7.73	-2%	-0%
0.08	+39%	+7%
0.16	-12%	-3%
19.65	-9%	-2%

2019



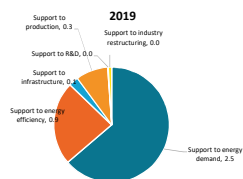
Energy subsidies by sector (€2020bn)



Hungary

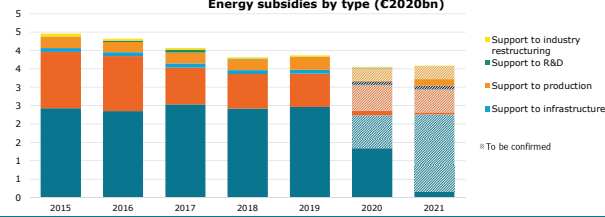
Energy subsidies by type

2019
Support to energy demand, 2.5
Support to industry restructuring, 0.0
Support to R&D, 0.0
Support to infrastructure, 0.0
Support to energy efficiency, 0.0
Support to production, 0.0
Support to R&D, 0.0
Support to industry restructuring, 0.0
Total



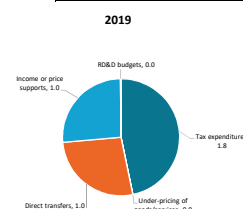
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
2.4	2.3	2.5	2.4	2.3	1.3	0.2	12.19	+1%	+0%	
1.5	1.5	1.0	0.9	0.9	0.1	0.1	5.89	-41%	-10%	
0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.52	+1%	+0%	
0.3	0.3	0.3	0.3	0.3	0.0	0.1	1.53	+14%	+3%	
0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.14	-41%	-10%	
0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.24	-55%	-15%	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-100%	-100%	
4.5	4.3	4.1	3.8	3.9	3.6	3.6	27.67	-13%	-3%	

Energy subsidies by type (C2020bn)



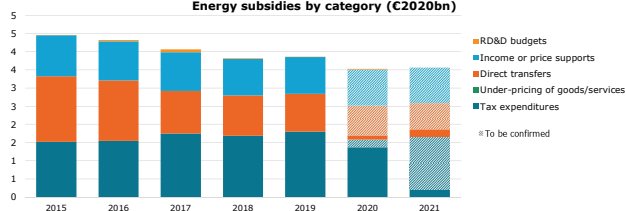
Energy subsidies by category

2019
Tax expenditures, 1.8
Under-pricing of goods/services, 0.0
Direct transfers, 1.0
Income or price supports, 1.0
RD&D budgets, 0.0
Total



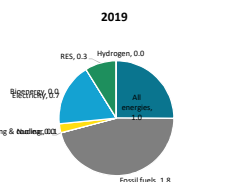
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
1.5	1.5	1.7	1.7	1.8	1.4	0.2	8.30	+19%	+3%	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-100%	-100%	
1.8	1.7	1.2	1.1	1.0	0.1	0.2	6.79	-42%	-10%	
1.1	1.1	1.1	1.0	1.0	1.0	1.0	5.28	-9%	-2%	
0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.14	-41%	-10%	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-100%	-100%	
4.5	4.3	4.1	3.8	3.9	3.6	3.6	20.51	-13%	-3%	

Energy subsidies by category (C2020bn)



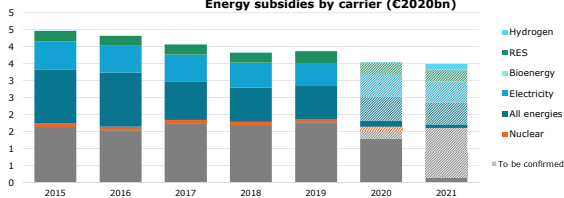
Energy subsidies (C2018bn) by energy carrier

2019
All energies, 1.8
Fossil fuels, 1.8
Nuclear, 0.0
Electricity, 0.0
Bioenergy, 0.0
RES, 0.0
Biomass, 0.0
Hydropower, 0.0
Solar, 0.0
Wind, 0.0
Others/several RES, 0.0
Hydrogen, 0.0
Total



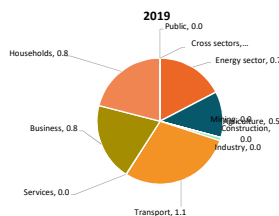
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
1.6	1.6	1.1	1.0	1.0	0.2	0.1	6.27	-39%	-9%	
1.6	1.5	1.7	1.7	1.8	1.3	0.5	8.38	+8%	+2%	
0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.24	-55%	-15%	
0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.18	-85%	-32%	
1.2	1.2	1.5	1.4	1.5	1.3	0.7	6.88	+21%	+4%	
0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.50	-6%	-1%	
0.8	0.8	0.8	0.7	0.7	0.0	0.0	3.82	-16%	-3%	
0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.00	-100%	-100%	
0.3	0.3	0.3	0.3	0.3	0.0	0.0	1.53	+10%	+2%	
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.90	-17%	-4%	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.06	-24%	-5%	
0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.13	+1092%	+135%	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.39	-23%	-5%	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	-15%	-3%	
0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.00	+21529%	+193%	
4.5	4.3	4.1	3.8	3.9	3.6	3.6	20.51	-13%	-3%	

Energy subsidies by carrier (C2020bn)



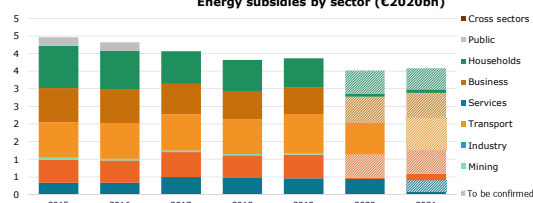
Support by sector

2019
Energy sector, 0.7
Agriculture, 0.5
Construction, 0.0
Mining, 0.0
Industry, 0.0
Transport, 1.1
Services, 0.8
Business, 0.8
Households, 0.8
Public, 0.0
Cross sectors, 0.0
Total



Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
0.6	0.6	0.7	0.6	0.7	0.0	0.2	3.30	+4%	+1%	
0.3	0.3	0.5	0.5	0.5	0.4	0.1	2.09	+36%	+6%	
0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.24	-55%	-15%	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	-100%	-100%	
1.0	1.0	1.0	1.0	1.1	0.9	0.6	5.14	+13%	+2%	
1.0	1.0	0.9	0.8	0.8	0.0	0.0	4.36	-21%	-5%	
1.2	1.1	0.9	0.9	0.8	0.1	0.1	4.90	-32%	-7%	
0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.48	-100%	-100%	
4.5	4.3	4.1	3.8	3.9	3.6	3.6	20.51	-13%	-3%	

Energy subsidies by sector (C2020bn)



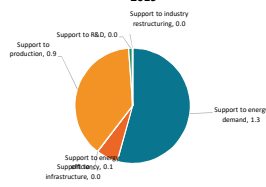
Ireland

Energy subsidies by type

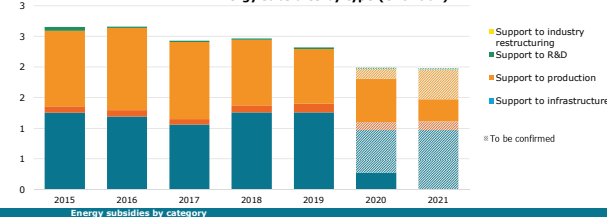
2019
Support to energy demand
TFC
Support to energy efficiency
TFC
Support to infrastructure
TFC
Support to production
TFC
Support to R&D
TFC
Support to industry restructuring
TFC
Total

Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
1.3	1.2	1.1	1.3	1.3	0.3	1.0	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	
					0.1	0.1	
1.2	1.3	1.3	1.1	0.9	0.7	0.4	
					0.4	0.3	
0.1	0.0	0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	
2.7	2.7	2.4	2.5	2.3	2.0	2.0	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
6.03	+1%	+0%
0.55	+35%	+6%
5.80	-28%	-6%
0.14	-58%	-16%
16.49	-12%	-3%



Energy subsidies by type (€2020bn)

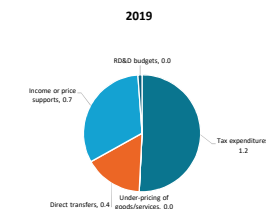


Energy subsidies by category

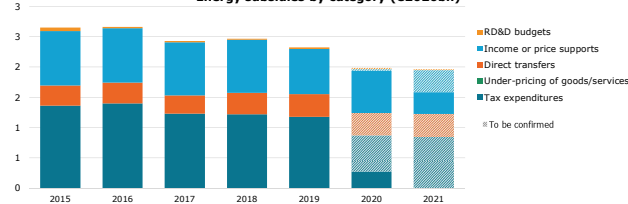
2019
Tax expenditures
TFC
Under-pricing of goods/services
TFC
Direct transfers
TFC
Income or price supports
TFC
RD&D budgets
TFC
Total

Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
1.4	1.4	1.2	1.2	1.2	0.3	0.8	
					0.0	0.0	
0.3	0.3	0.3	0.4	0.4	0.4	0.4	
0.9	0.9	0.9	0.9	0.7	0.7	0.4	
					0.0	0.0	
0.1	0.0	0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	
2.7	2.7	2.4	2.5	2.3	2.0	2.0	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
6.38	-13%	-3%
1.70	+13%	+2%
4.29	-17%	-4%
0.14	-58%	-16%
12.52	-12%	-3%



Energy subsidies by category (€2020bn)

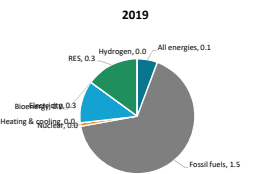


Energy subsidies (€2018bn) by energy carrier

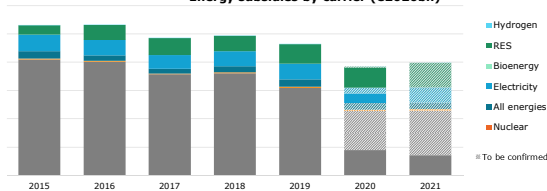
2019
All energies
TFC
Fossil fuels
Coal
Natural gas
Oil
TFC
Heating & cooling
TFC
Nuclear
TFC
Electricity
TFC
Bioenergy
TFC
RES
Biomass
Hydropower
Solar
Wind
Others/several RES
TFC
Hydrogen
TFC
Total

Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	
2.1	2.0	1.8	1.8	1.5	0.4	0.4	
0.1	0.1	0.1	0.1	0.0			
0.2	0.2	0.2	0.2	0.2	0.0	0.0	
0.8	0.8	0.7	0.9	0.9	0.1	0.1	
					0.2	0.8	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.3	0.3	0.2	0.3	0.3	0.2	0.2	
					0.1	0.3	
0.0	0.0	0.0					
0.2	0.3	0.3	0.3	0.3	0.4	0.4	
0.0	0.0	0.0	0.1	0.1	0.0	0.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.1	0.2	0.2	0.2	0.0			
0.0	0.0	0.0	0.0	0.0	0.3	0.3	
					0.0	0.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.4	
2.7	2.7	2.4	2.5	2.3	2.0	2.0	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
0.54	+3%	+1%
9.19	-25%	-6%
0.44	-80%	-27%
0.82	-40%	-10%
4.08	+7%	+1%
0.09	+51%	+9%
1.35	-7%	-1%
0.00	-100%	-100%
1.34	+113%	+16%
0.33	+202%	+23%
0.00	+51%	+9%
0.00		
1.02	+137%	+19%
0.08	-57%	-15%
0.00	+858%	+57%
12.52	-12%	-3%



Energy subsidies by carrier (€2020bn)

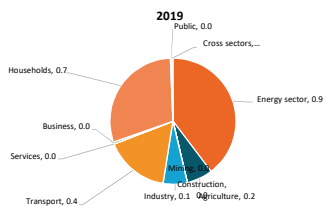


Support by sector

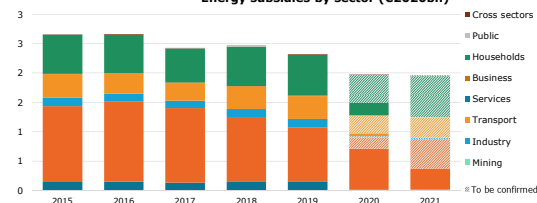
2019
Energy sector
TFC
Agriculture
TFC
Construction
TFC
Mining
Industry
TFC
Transport
TFC
Services
TFC
Business
TFC
Households
TFC
Public
TFC
Cross sectors
TFC
Total

Energy subsidies (€2020bn)							
2015	2016	2017	2018	2019	2020	2021	
1.3	1.4	1.3	1.1	0.8	0.7	0.4	
					0.2	0.5	
0.1	0.2	0.1	0.2	0.2	0.0	0.0	
						0.0	
0.1	0.1	0.1	0.1	0.1	0.0	0.0	
0.4	0.3	0.3	0.4	0.4	0.1	0.3	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.7	0.7	0.6	0.7	0.7	0.2	0.2	
					0.3	0.7	
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	0.0	
2.7	2.7	2.4	2.5	2.3	2.0	2.0	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
5.93	-29%	-7%
0.74	+6%	+1%
0.69	+3%	+1%
1.81	-4%	-1%
0.05	+53%	+9%
3.25	+4%	+1%
0.03	+975%	+61%
0.03	+104%	+15%
12.52	-12%	-3%



Energy subsidies by sector (€2020bn)



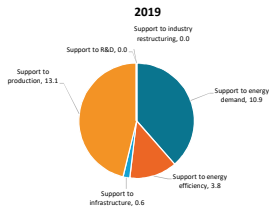
Italy

Energy subsidies by type

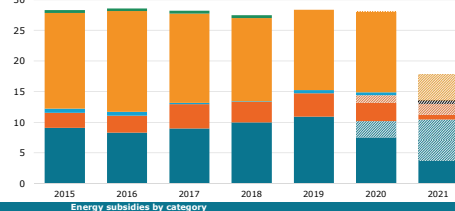
2019
Support to energy demand
TbC
Support to energy efficiency
TbC
Support to infrastructure
TbC
Support to production
TbC
Support to R&D
TbC
Support to industry restructuring
TbC
Total

Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
9.1	8.3	9.0	10.0	10.9	7.0	3.7
TbC						0.0
2.4	2.7	3.9	3.3	3.8	3.0	0.8
TbC						1.5
0.7	0.6	0.2	0.1	0.6	0.5	
TbC						0.5
15.6	16.4	14.6	13.6	13.1	13.1	0.1
TbC						4.1
0.5	0.4	0.4	0.5			
TbC						
28.3	28.6	28.2	27.5	28.4	28.1	17.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
47.37	+20%	+4%
16.21	+54%	+9%
2.23	-20%	-4%
73.28	-16%	-3%
1.84	-100%	-100%
186.82	0%	0%



Energy subsidies by type (C2020bn)

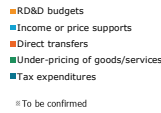
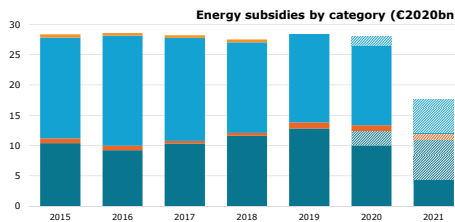
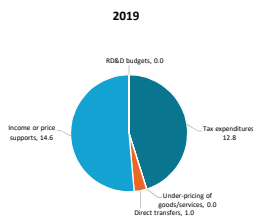


Energy subsidies by category

2019
Tax expenditures
TbC
Under-pricing of goods/services
TbC
Direct transfers
TbC
Income or price supports
TbC
RD&D budgets
TbC
Total

Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
10.4	9.2	10.3	11.6	12.8	10.0	4.4
TbC						2.0
						6.3
0.7	0.7	0.4	0.5	1.0	0.9	
TbC						1.0
16.7	18.2	17.0	15.0	14.6	13.2	0.2
TbC						1.5
0.5	0.4	0.4	0.5			5.3
TbC						
28.3	28.6	28.2	27.5	28.4	28.1	17.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
54.39	+23%	+4%
3.35	+33%	+6%
81.36	-13%	-3%
1.84	-100%	-100%
140.93	+0%	+0%

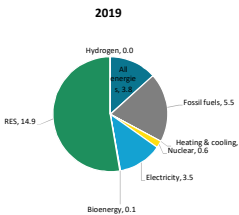


Energy subsidies (C2018bn) by energy carrier

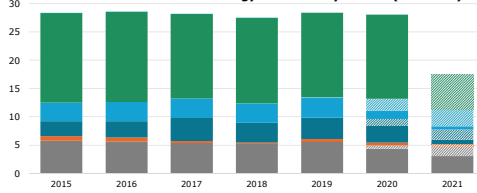
2019
All energies
TbC
Fossil fuels
TbC
Coal
TbC
Natural gas
TbC
Oil
TbC
Heating & cooling
TbC
Nuclear
TbC
Electricity
TbC
Bioenergy
TbC
RES
TbC
Biomass
TbC
Hydropower
TbC
Solar
TbC
Wind
TbC
Others/several RES
TbC
Hydrogen
TbC
Total

Energy subsidies (C2018bn)						
2015	2016	2017	2018	2019	2020	2021
2.7	2.9	4.1	3.5	3.8	3.0	0.8
TbC						1.9
5.8	5.7	5.4	5.3	5.5	4.4	3.1
TbC						1.1
0.0	0.0	0.0	0.0	0.0	0.0	
TbC						
1.2	1.1	1.1	1.2	1.3	0.9	0.0
TbC						3.7
3.8	3.7	3.6	3.5	4.0	3.4	1.6
TbC						1.6
0.8	0.7	0.3	0.2	0.6	0.5	
TbC						0.5
3.3	3.4	3.4	3.4	3.5	1.5	0.6
TbC						2.9
			0.0	0.1		
TbC						0.1
15.8	15.9	15.0	15.1	14.9	14.9	0.1
TbC						0.1
2.9	3.2	2.9	2.7	2.8	2.6	
TbC						0.1
1.5	1.9	1.1	1.3	1.0	1.3	
TbC						0.1
1.9	6.9	7.3	6.8	6.7	6.8	
TbC						0.1
1.5	2.4	1.8	1.5	1.4	1.4	
TbC						0.1
2.0	1.5	1.9	2.9	3.3	3.0	0.0
TbC						0.1
0.0	0.0	0.0	0.0			
TbC						
28.3	28.6	28.2	27.5	28.4	28.1	17.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
16.95	+41%	+7%
27.03	-4%	-1%
0.01	-3%	-1%
9.59	-5%	-1%
18.58	+3%	+1%
2.58	-28%	-6%
17.00	+7%	+1%
0.07		
76.64	-5%	-1%
14.34	-14%	-3%
6.68	-29%	-7%
34.89	-10%	-2%
9.10	-26%	-6%
11.57	+61%	+10%
0.05	-100%	-100%
140.93	+0%	+0%



Energy subsidies by carrier (C2020bn)

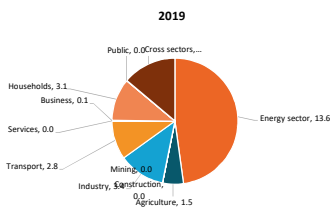


Support by sector

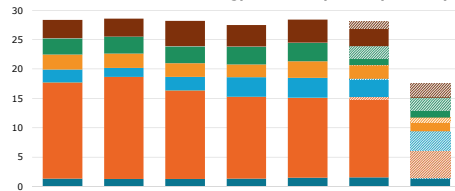
2019
Energy sector
TbC
Agriculture
TbC
Construction
TbC
Mining
TbC
Industry
TbC
Transport
TbC
Services
TbC
Business
TbC
Households
TbC
Public
TbC
Cross sectors
TbC
Total

Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
16.4	17.4	13.1	14.0	13.8	13.2	0.0
TbC						0.5
1.4	1.3	1.3	1.3	1.5	1.5	1.4
TbC						0.2
0.0	0.0	0.0	0.0	0.0	0.0	
TbC						0.1
2.9	1.9	2.3	3.3	3.4	3.0	0.1
TbC						3.2
2.5	2.4	2.3	2.1	2.8	2.3	1.5
TbC						0.8
0.1	0.1	0.1	0.1	0.1	0.1	
TbC						0.1
2.7	2.9	2.9	3.0	3.1	1.2	1.2
TbC						2.1
0.0	0.0	0.0	0.0	0.0	0.0	
TbC						0.0
3.1	3.0	4.3	3.6	3.9	2.9	0.3
TbC						1.1
28.3	28.6	28.2	27.5	28.4	28.1	17.8

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
76.30	-17%	-4%
6.85	+12%	+2%
0.03	-8%	-2%
12.64	+56%	+9%
12.11	+14%	+3%
0.30	-19%	-4%
14.50	+14%	+3%
0.15	-16%	-3%
18.05	+26%	+5%
140.93	+0%	+0%



Energy subsidies by sector (C2020bn)



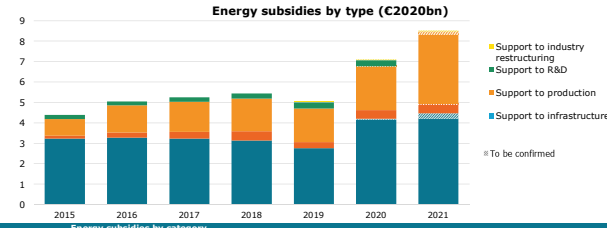
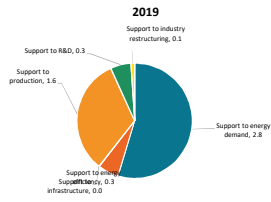
Netherlands

Energy subsidies by type

2019
Support to energy demand
TFC
Support to energy efficiency
TFC
Support to infrastructure
TFC
Support to production
TFC
Support to R&D
TFC
Support to industry restructuring
TFC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
3.2	3.3	3.2	3.1	2.8	4.2	4.2	
					0.3	0.3	
0.1	0.2	0.3	0.5	0.3	0.4	0.4	
						0.5	
0.8	1.3	1.5	1.6	1.6	2.1	3.4	
					0.0	0.1	
0.2	0.2	0.2	0.2	0.3	0.3		
						0.1	
						0.1	
4.4	5.0	5.2	5.4	5.0	7.1	8.5	

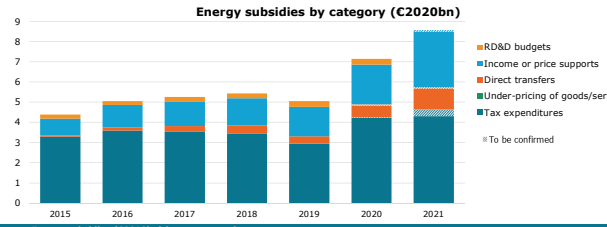
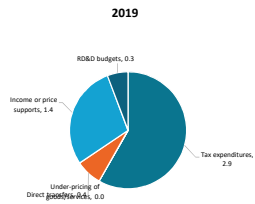
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
15.62	-14%	-3%
1.48	+109%	+16%
6.87	+102%	+15%
1.13	+45%	+8%
0.05		
40.79	15%	3%



2019
Tax expenditures
TFC
Under-pricing of goods/services
TFC
Direct transfers
TFC
Income or price supports
TFC
RD&D budgets
TFC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
3.3	3.6	3.5	3.5	2.9	4.2	4.3	
					0.0	0.3	
0.1	0.2	0.3	0.4	0.4	0.6	1.0	
					0.1	0.1	
0.8	1.1	1.2	1.3	1.4	2.0	2.7	
						0.1	
0.2	0.2	0.2	0.2	0.3	0.3	0.1	
4.4	5.0	5.2	5.4	5.0	7.1	8.5	

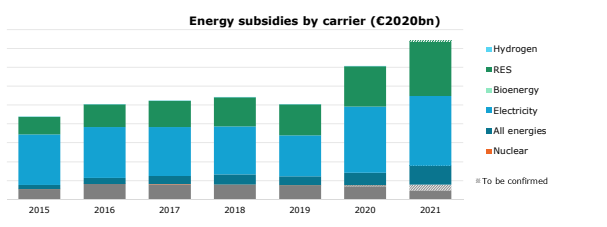
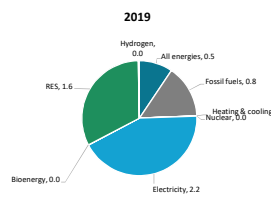
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
16.80	-11%	-2%
1.27	+490%	+43%
5.96	+74%	+12%
1.13	+45%	+8%
25.16	+15%	+3%



2019
All energies
TFC
Fossil fuels
Coal
Natural gas
Oil
TFC
Heating & cooling
TFC
Nuclear
TFC
Electricity
TFC
Bioenergy
TFC
RES
Biomass
Hydropower
Solar
Wind
Others/several RES
TFC
Hydrogen
TFC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.2	0.3	0.4	0.6	0.5	0.6	1.0	
						0.0	
0.6	0.8	0.8	0.8	0.8	0.7	0.9	
0.0	0.2	0.2	0.2	0.2	0.0	0.0	
0.1	0.2	0.3	0.3	0.3	0.2	0.3	
0.2	0.2	0.3	0.3	0.3	0.2	0.2	
						0.3	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2.7	2.7	2.6	2.5	2.2	3.5	3.7	
						0.0	
0.9	1.1	1.4	1.5	1.6	2.1	2.9	
0.3	0.4	0.4	0.4	0.4	0.7	0.9	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.1	0.2	0.2	0.3	0.4	0.5	0.8	
0.5	0.7	0.8	0.9	0.8	0.9	1.3	
						0.1	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4.4	5.0	5.2	5.4	5.0	7.1	8.5	

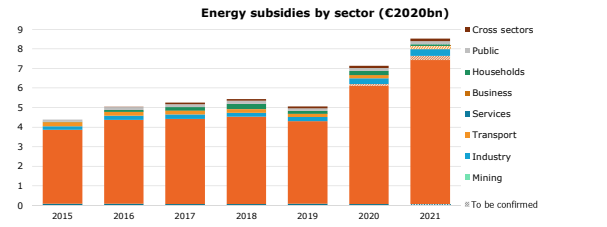
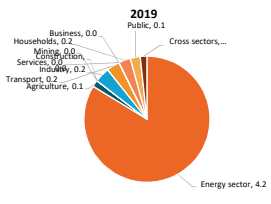
Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
1.99	+125%	+18%
3.71	+36%	+6%
0.84	+299%	+32%
1.20	+80%	+13%
1.38	-18%	-8%
0.03	-1%	-0%
12.67	-19%	-4%
6.70	+77%	+12%
1.97	+22%	+4%
0.01	-100%	-67%
1.20	+281%	+31%
3.63	+72%	+11%
0.05	+1243%	+68%
25.16	+15%	+3%



2019
Energy sector
TFC
Agriculture
TFC
Construction
TFC
Mining
TFC
Industry
TFC
Transport
TFC
Services
TFC
Business
TFC
Households
TFC
Public
TFC
Cross sectors
TFC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
3.8	4.3	4.3	4.4	4.2	6.0	7.3	
					0.1	0.2	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	
						0.1	
0.2	0.2	0.2	0.2	0.2	0.3	0.3	
						0.0	
0.2	0.2	0.2	0.2	0.2	0.2	0.2	
						0.2	
	0.0	0.0	0.0	0.0	0.0	0.0	
						0.0	
0.0	0.1	0.2	0.3	0.2	0.2	0.1	
						0.0	
0.1	0.2	0.1	0.2	0.1	0.1	0.1	
	0.0	0.1	0.1	0.1	0.1	0.1	
4.4	5.0	5.2	5.4	5.0	7.1	8.5	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
21.05	+12%	+2%
0.44	-14%	-3%
1.02	+9%	+2%
0.96	-21%	-5%
0.02		
0.70	+1230%	+68%
0.71	+11%	+2%
0.26		
25.16	+15%	+3%



Poland

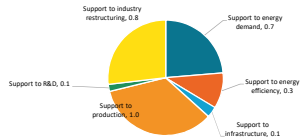
Energy subsidies by type

2019
Support to energy demand, 0.7
Support to energy efficiency, 0.3
Support to infrastructure, 0.1
Support to production, 1.6
Support to R&D, 0.1
Support to industry restructuring, 0.8
Total

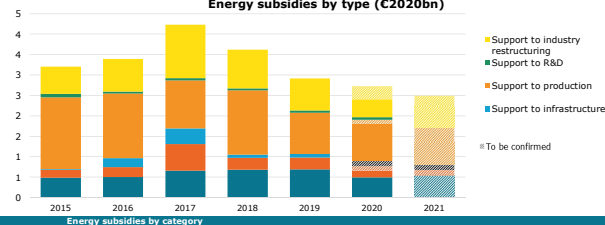
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.5	0.5	0.7	0.7	0.7	0.5	0.5
0.2	0.2	0.6	0.3	0.3	0.2	0.2
0.0	0.2	0.4	0.1	0.1	0.1	0.1
1.7	1.6	1.2	1.6	1.0	0.9	0.1
0.1	0.0	0.1	0.0	0.1	0.1	0.0
0.7	0.8	1.3	0.9	0.8	0.4	0.0
3.2	3.4	4.2	3.6	2.9	2.7	2.5

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
3.02	+41%	+7%
1.67	+49%	+8%
0.79	+35%	+38%
7.09	-42%	-10%
0.29	-35%	-8%
4.51	+16%	+3%
22.59	-9%	-2%

2019



Energy subsidies by type (C2020bn)

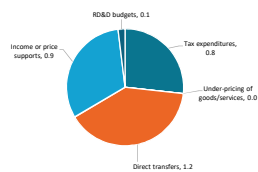


2019
Tax expenditures, 0.8
Under-pricing of goods/services, 0.0
Direct transfers, 1.2
Income or price supports, 0.9
RD&D budgets, 0.1
Total

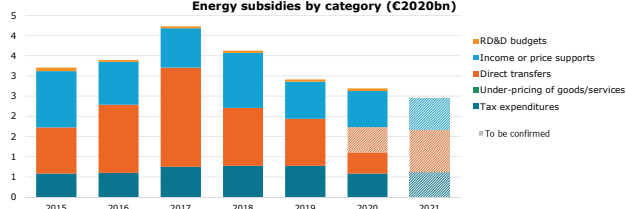
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.6	0.6	0.8	0.8	0.8	0.6	0.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	1.7	2.5	1.4	1.2	0.3	0.0
1.4	1.1	1.0	1.4	0.9	0.9	1.1
0.1	0.0	0.1	0.0	0.1	0.1	0.0
3.2	3.4	4.2	3.6	2.9	2.7	2.5

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
3.49	+33%	+6%
7.87	+2%	+0%
5.71	-34%	-8%
0.29	-35%	-8%
17.37	-9%	-2%

2019



Energy subsidies by category (C2020bn)



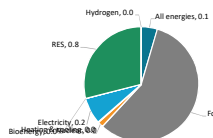
Energy subsidies (C2018bn) by energy carrier

2019
All energies, 1.7
Fossil fuels, 1.7
Electricity, 0.2
RES, 0.8
Hydrogen, 0.0
All energies, 0.1
Total

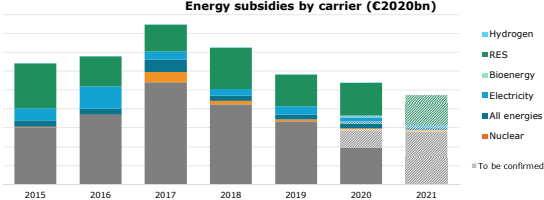
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
0.2	0.2	0.3	0.1	0.1	0.1	0.1
1.5	1.8	2.7	2.1	1.7	1.0	0.1
0.9	1.1	1.6	1.2	1.0	0.7	0.2
0.2	0.4	0.5	0.2	0.3	0.3	0.4
0.2	0.2	0.4	0.3	0.3	0.3	0.4
0.0	0.0	0.3	0.1	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.3	0.6	0.2	0.2	0.2	0.1	0.1
1.2	0.8	0.7	1.1	0.8	0.9	0.9
0.0	0.0	0.1	0.1	0.1	0.1	0.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.2	0.8	0.6	1.0	0.8	0.8	0.8
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
3.2	3.4	4.2	3.6	2.9	2.7	2.5

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
0.92	-21%	-5%
9.87	+10%	+2%
5.83	+9%	+2%
1.55	-100%	-100%
1.96	+83%	+13%
0.40		
0.04	-62%	-17%
1.51	-34%	-8%
4.53	-29%	-7%
0.77	+247%	+28%
0.01	-100%	-100%
4.35	-33%	-8%
0.00	+90%	+14%
17.37	-9%	-2%

2019



Energy subsidies by carrier (C2020bn)



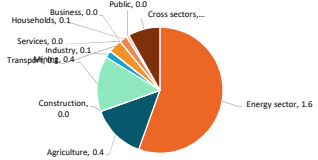
Support by sector

2019
Energy sector, 1.6
Agriculture, 0.4
Construction, 0.0
Services, 0.0
Business, 0.0
Households, 0.1
Public, 0.0
Cross sectors, 0.1
Total

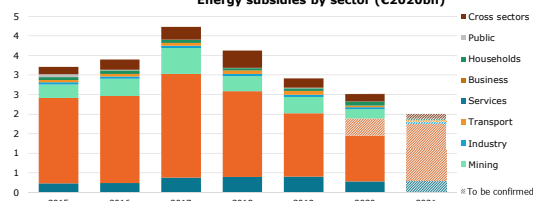
Energy subsidies (C2020bn)						
2015	2016	2017	2018	2019	2020	2021
2.2	2.2	2.6	2.2	1.8	1.2	1.4
0.2	0.2	0.4	0.4	0.4	0.3	0.3
0.3	0.4	0.7	0.4	0.4	0.2	0.0
0.1	0.1	0.1	0.1	0.1	0.0	0.0
0.1	0.1	0.1	0.1	0.1	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1	0.1	0.1	0.1	0.1	0.1	0.0
0.1	0.0	0.0	0.0	0.0	0.0	0.0
0.2	0.3	0.3	0.4	0.2	0.2	0.1
3.2	3.4	4.2	3.6	2.9	2.7	2.5

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
10.86	-26%	-6%
1.66	+77%	+12%
2.24	+22%	+4%
0.28	+9%	+2%
0.39	+76%	+12%
0.00	-100%	-100%
0.36	-20%	-4%
0.11	-73%	-23%
1.47	+24%	+4%
17.37	-9%	-2%

2019



Energy subsidies by sector (C2020bn)



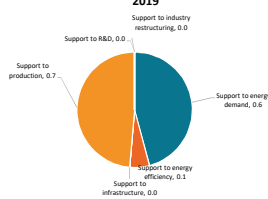
Romania

Energy subsidies by type

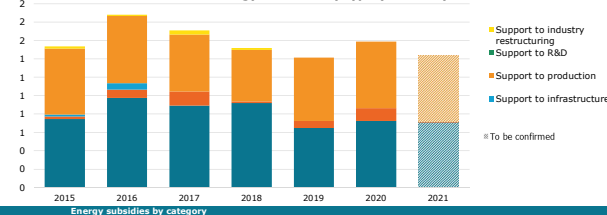
2019
Support to energy demand
TbC
Support to energy efficiency
TbC
Support to infrastructure
TbC
Support to production
TbC
Support to R&D
TbC
Support to industry restructuring
TbC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.7	1.0	0.9	0.9	0.8	0.7	0.7	
							0.7
0.0	0.1	0.2	0.0	0.1	0.1	0.0	
							0.0
0.0	0.1						
							0.7
0.7	0.7	0.6	0.6	0.7	0.7		
							0.7
0.0	0.0	0.0	0.0				
1.5	1.9	1.7	1.5	1.4	1.6	1.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
4.18	-13%	-3%
0.37	+150%	+20%
0.09	-100%	-100%
3.32	-4%	-1%
0.10	-100%	-100%
11.08	-8%	-2%



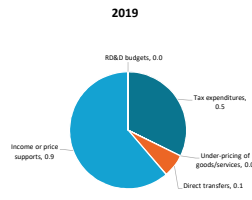
Energy subsidies by type (C2020bn)



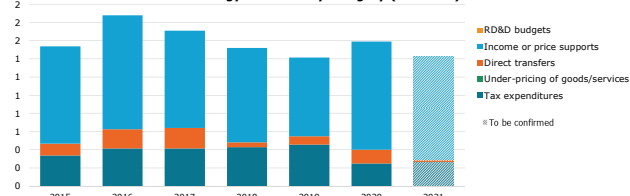
2019
Tax expenditures
TbC
Under-pricing of goods/services
TbC
Direct transfers
TbC
Income or price supports
TbC
RD&D budgets
TbC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.3	0.4	0.4	0.4	0.3	0.3		
							0.3
0.1	0.2	0.2	0.1	0.1	0.1	0.0	
							0.0
1.1	1.3	1.1	1.0	0.9	1.2	1.1	
							1.1
1.5	1.9	1.7	1.5	1.4	1.6	1.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2.05	+35%	+6%
0.71	-30%	-7%
5.29	-19%	-4%
8.06	-8%	-2%



Energy subsidies by category (C2020bn)

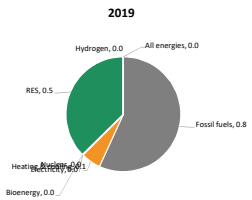


Energy subsidies (C2018bn) by energy carrier

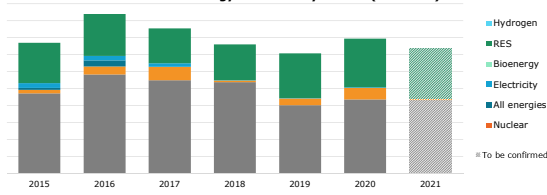
2019
All energies
TbC
Fossil fuels
TbC
Coal
TbC
Natural gas
TbC
Oil
TbC
Heating & cooling
TbC
Nuclear
TbC
Electricity
TbC
Bioenergy
TbC
RES
TbC
Biomass
TbC
Hydropower
TbC
Solar
TbC
Wind
TbC
Others/several RES
TbC
Hydrogen
TbC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.0	0.1						
							0.1
0.9	1.2	1.1	1.1	0.8	0.9		
							0.0
0.0	0.0	0.1	0.0	0.0	0.0		
							0.0
0.1	0.1	0.1	0.1	0.0	0.0		
							0.0
0.3	0.4	0.4	0.4	0.4	0.4		
							0.4
							0.9
0.0	0.1	0.2	0.0	0.1	0.1		
							0.0
							0.0
0.1	0.1	0.0	0.0	0.0	0.0		
							0.0
							0.0
0.5	0.5	0.4	0.4	0.3	0.6		
							0.6
0.0	0.0	0.0	0.0	0.0	0.0		
							0.0
0.1	0.1	0.1	0.1	0.1	0.1		
							0.1
0.2	0.2	0.2	0.2	0.2	0.2		
							0.2
0.2	0.2	0.2	0.1	0.2	0.1		
							0.1
							0.6
							0.6
1.5	1.9	1.7	1.5	1.4	1.6	1.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
0.09	-100%	-100%
5.09	-15%	-3%
0.17	-86%	-33%
0.28	-30%	-7%
1.92	+3%	+7%
0.40	+85%	+13%
0.15	-96%	-49%
2.33	+12%	+2%
0.11	-55%	-15%
0.31	+60%	+10%
1.01	-13%	-3%
0.90	+44%	+8%
8.06	-8%	-2%



Energy subsidies by carrier (C2020bn)

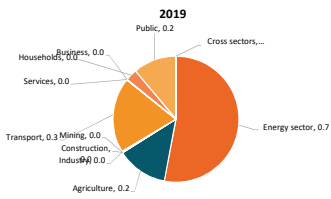


Support by sector

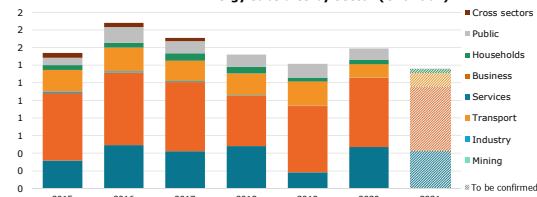
2019
Energy sector
TbC
Agriculture
TbC
Construction
TbC
Mining
TbC
Industry
TbC
Transport
TbC
Services
TbC
Business
TbC
Households
TbC
Public
TbC
Cross sectors
TbC
Total

Energy subsidies (C2020bn)							
2015	2016	2017	2018	2019	2020	2021	
0.8	0.8	0.8	0.8	0.7	0.8		
							0.7
0.3	0.5	0.4	0.5	0.2	0.5		
							0.4
0.0	0.0	0.0	0.0	0.0	0.0		
							0.0
0.2	0.3	0.2	0.2	0.3	0.2		
							0.2
0.0	0.0	0.0	0.0	0.0	0.0		
							0.0
0.1	0.1	0.1	0.1	0.0	0.0		
							0.0
0.1	0.2	0.1	0.1	0.2	0.1		
							0.0
0.1	0.0	0.0					
							0.0
1.5	1.9	1.7	1.5	1.4	1.6	1.4	

Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
3.65	-2%	-0%
1.90	-42%	-10%
0.05	-78%	-26%
1.26	+14%	+3%
0.01	-16%	-5%
0.31	-21%	-5%
0.69	+93%	+14%
0.14	-100%	-100%
8.06	-8%	-2%



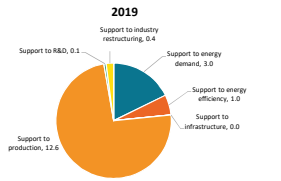
Energy subsidies by sector (C2020bn)



Spain

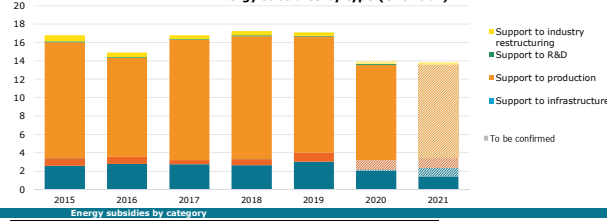
Energy subsidies by type

2019
Support to energy demand, 0.4
TFC
Support to energy efficiency, 1.0
TFC
Support to infrastructure, 0.0
TFC
Support to production, 12.6
TFC
Support to R&D, 0.1
TFC
Support to industry restructuring, 0.4
TFC
Total



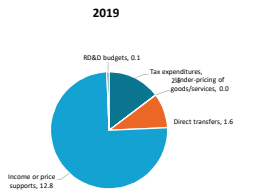
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
2.6	2.8	2.8	2.7	3.0	2.0	1.4	13.82	+17%	+3%	
0.8	0.8	0.4	0.6	1.0	0.0	0.0	3.63	+19%	+4%	
0.0			0.0		1.3	1.0	0.03	-100%	-100%	
12.6	10.8	13.1	13.4	12.6	10.4	0.1	62.47	+0%	+0%	
0.1	0.1	0.1	0.1	0.1	0.1		0.48	-9%	-2%	
0.6	0.5	0.4	0.5	0.4			2.37	-43%	-11%	
						0.3				
16.8	14.9	16.8	17.2	17.1	14.0	13.8	110.62	2%	0%	

Energy subsidies by type (C2020bn)



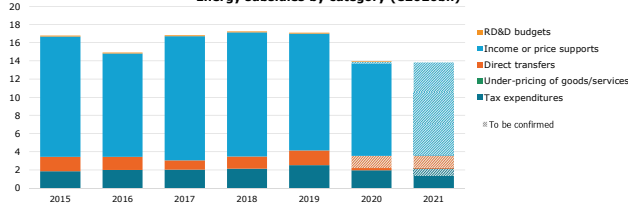
Energy subsidies by category

2019
Tax expenditures, 12.8
TFC
Under-pricing of goods/services, 0.0
TFC
Direct transfers, 1.6
TFC
Income or price supports, 0.1
TFC
RD&D budgets, 0.1
TFC
Total



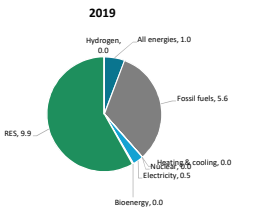
Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
1.9	2.0	2.0	2.1	2.3	2.0	1.4	10.50	+36%	+6%	
						0.8				
1.6	1.5	1.0	1.3	1.6	0.2	0.1	7.08	+3%	+1%	
13.2	11.4	13.7	13.7	12.8	10.2	0.1	64.74	-3%	-1%	
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.48	-9%	-2%	
						0.3				
16.8	14.9	16.8	17.2	17.1	14.0	13.8	82.80	+2%	+0%	

Energy subsidies by category (C2020bn)



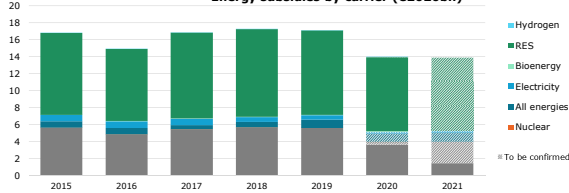
Energy subsidies (C2018bn) by energy carrier

2019
All energies, 1.0
TFC
Fossil fuels, 5.6
TFC
Natural gas, 0.0
TFC
Oil, 0.0
TFC
Heating & cooling, 0.0
TFC
Nuclear, 0.0
TFC
Electricity, 0.5
TFC
Bioenergy, 0.0
TFC
RES, 9.9
TFC
Biomass, 0.0
TFC
Hydropower, 0.0
TFC
Solar, 0.0
TFC
Wind, 0.0
TFC
Others/several RES, 0.0
TFC
Hydrogen, 0.0
TFC
Total



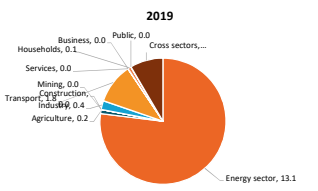
Energy subsidies (C2018bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
0.8	0.7	0.5	0.7	1.0	0.0	0.0	3.64	+29%	+5%	
						1.0				
5.6	4.8	5.5	5.7	5.6	3.6	1.4	27.16	-0%	-0%	
0.9	0.5	0.5	0.5	0.4			2.81	-61%	-17%	
1.8	2.0	2.0	2.1	2.3	2.0	1.3	10.48	+36%	+6%	
						0.3				
						2.6				
0.0	0.0	0.0	0.0	0.0	0.0		0.02	-47%	-12%	
0.7	0.8	0.7	0.5	0.5	0.1	0.1	3.35	-31%	-7%	
0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.13	+264%	+30%	
8.6	8.5	10.1	10.3	9.9	8.7	0.0	48.48	+3%	+1%	
1.0	0.8	1.1	1.2	1.1	1.0	0.0	5.21	+17%	+3%	
0.4	0.3	0.3	0.5	0.3	0.3	0.0	1.79	-6%	-1%	
4.6	2.9	4.6	4.5	4.8	4.2		22.40	-3%	-1%	
2.5	2.9	2.9	4.0	3.8	2.9		18.16	+9%	+2%	
0.2	0.2	0.2	0.2	0.2			0.91	-17%	-4%	
						0.0				
0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.02	+66%	+11%	
						0.0				
16.8	14.9	16.8	17.2	17.1	14.0	13.8	82.80	+2%	+0%	

Energy subsidies by carrier (C2020bn)



Support by sector

2019
Energy sector, 13.1
TFC
Agriculture, 0.2
TFC
Construction, 0.0
TFC
Mining, 0.0
TFC
Industry, 0.4
TFC
Transport, 0.2
TFC
Services, 0.0
TFC
Business, 0.0
TFC
Households, 0.1
TFC
Public, 0.0
TFC
Cross sectors, 0.0
TFC
Total



Energy subsidies (C2020bn)								Total 2015/19	2015/19 (%)	2015/19 CAGR (%/y)
2015	2016	2017	2018	2019	2020	2021				
13.4	11.4	13.6	13.9	13.1	10.8	0.4	65.45	-2%	-0%	
0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.89	+3%	+1%	
						0.1				
0.6	0.6	0.6	0.4	0.4	0.1	0.1	2.56	-30%	-7%	
1.2	1.3	1.5	1.5	1.8	1.4	0.5	7.31	+46%	+8%	
						0.0				
						0.2				
0.8	0.7	0.2	0.1	0.1			1.96	-81%	-28%	
						0.1				
0.7	0.7	0.8	1.0	1.4	0.5	0.5	4.63	+120%	+17%	
						1.3				
16.8	14.9	16.8	17.2	17.1	14.0	13.8	82.80	+2%	+0%	

Energy subsidies by sector (C2020bn)

