

Table F11. Delivered energy consumption in Russia by end-use sector and fuel, 2011–40
(quadrillion Btu)

Sector/fuel	History		Projections					Average annual percent change, 2012–40
	2011	2012	2020	2025	2030	2035	2040	
Residential								
Liquids	0.4	0.4	0.4	0.4	0.4	0.4	0.4	-0.2
Natural gas	2.9	2.6	2.9	3.0	3.0	3.0	2.9	0.4
Coal	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-0.6
Electricity	0.5	0.5	0.5	0.6	0.7	0.8	0.9	2.4
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Total	4.0	3.8	4.2	4.4	4.4	4.5	4.5	0.6
Commercial								
Liquids	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Natural gas	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.2
Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.2
Electricity	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.7
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Total	1.2	1.3	1.4	1.5	1.5	1.6	1.6	0.8
Industrial								
Liquids	3.6	3.7	3.3	3.4	3.3	3.3	3.1	-0.6
Natural gas	5.1	5.5	5.1	5.3	5.4	5.4	4.9	-0.4
Coal	2.1	2.4	2.3	2.4	2.4	2.4	2.2	-0.3
Electricity	1.7	1.7	1.6	1.6	1.7	1.7	1.6	-0.3
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.2
Total	12.6	13.4	12.4	12.8	12.9	12.8	11.8	-0.4
Transportation								
Liquids	3.2	3.4	3.5	3.6	3.6	3.6	3.6	0.2
Natural gas	1.1	1.0	1.1	1.2	1.4	1.6	1.8	2.2
Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	—
Electricity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	4.3	4.4	4.6	4.9	5.1	5.3	5.5	0.8
All end-use sectors								
Liquids	7.3	7.6	7.4	7.5	7.5	7.4	7.2	-0.2
Natural gas	9.4	9.5	9.5	10.0	10.2	10.4	10.1	0.2
Coal	2.6	3.0	2.8	2.9	2.9	2.9	2.7	-0.3
Electricity	2.7	2.8	2.8	3.0	3.2	3.4	3.4	0.7
Renewables	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.2
Delivered energy	22.2	22.9	22.6	23.6	23.9	24.3	23.4	0.1
Electricity-related losses	8.7	9.1	10.6	11.1	11.2	11.2	11.1	0.7
Total	30.9	32.1	33.2	34.7	35.1	35.5	34.5	0.3
Electric power^a								
Liquids	0.3	0.3	0.1	0.3	0.3	0.3	0.3	-0.2
Natural gas	6.1	6.5	6.3	6.2	6.4	6.5	6.3	-0.1
Coal	2.1	2.5	2.5	2.4	2.6	2.8	2.8	0.5
Nuclear	1.8	1.8	2.5	2.9	2.6	2.5	2.4	1.0
Renewables	1.6	1.6	1.7	2.1	2.3	2.4	2.4	1.4
Total	11.9	12.6	13.1	13.9	14.1	14.4	14.2	0.4
Unspecified sector	-0.2	-0.5	0.2	0.2	0.2	0.2	0.2	—
Total energy consumption								
Liquids	6.9	7.0	7.7	8.1	8.0	8.0	7.7	0.3
Natural gas	15.7	16.1	15.7	16.2	16.6	16.9	16.4	0.1
Coal	4.7	5.4	5.3	5.3	5.5	5.7	5.5	0.1
Nuclear	1.8	1.8	2.5	2.9	2.6	2.5	2.4	1.0
Renewables	1.7	1.7	1.8	2.2	2.4	2.5	2.5	1.3
Total	30.9	32.1	33.2	34.7	35.1	35.5	34.5	0.3

^aFuel inputs used in the production of electricity and heat, excluding captive generators.

Sources: **History:** Derived from U.S. Energy Information Administration (EIA), International Energy Statistics database (as of May 2015), www.eia.gov/ies; and International Energy Agency, "Balances of OECD and Non-OECD Statistics" (2014), www.iea.org (subscription site). **Projections:** World Energy Projection System Plus (2016), run IEO2016-reference_final_2016.02.19_115008.