

ENERGY EFFICIENCY

To improve energy efficiency and reduce the energy intensity of its operations, FPC works to reduce its fuel and energy consumption every year.

In 2020, despite COVID-19 restrictions, the Company continued improving energy efficiency and energy intensity by:

- purchasing new, advanced, and energy-efficient rolling stock
- using energy-saving technologies in the Company's depot and site lighting systems (LEDs and smart control systems)
- upgrading and converting boilers from liquid fuels to gas
- retrofitting FPC's buildings and structures with water consumption and discharge, electricity and heat meters
- installing high-voltage charging points at passenger train preparation sites.

Sustainable water use

Energy source	In physical terms				In monetary terms RUB million			
	2018	2019	2020	Change from 2019, %	2018	2019	2020	Change from 2019, %
Electricity, million kWh	129.3	127.4	107.7	84.6	644.3	678.3	605.4	-72.9
Diesel fuel, '000 tonnes	2.6	2.5	1.9	79.4	107.6	113.4	85.7	-27.7
Coal, '000 tonnes	109.6	102.2	77.0	75.3	324.3	350.7	277.0	-73.7
Fuel oil, '000 tonnes	15.1	14.5	10.1	70.0	228.0	228.0	107.8	-120.2
Natural gas, million m ³	23.2	22.3	19.3	86.5	132.8	133.4	114.2	-19.2
Gasoline, '000 tonnes	0.9	0.8	0.6	72.9	43.5	43.1	33.3	-9.8
Briquettes, '000 tonnes	3.4	3.6	2.4	67.2	23.9	31.3	20.1	-11.2
Pellets, '000 tonnes	1.2	0.9	0.5	61.9	8.8	6.6	4.0	-2.6
Firewood, '000 m ³	0.3	0.3	0.1	35.0	1.9	0.6	0.3	-0.3