

## TOTAL WASTE MASS BY DISPOSAL METHOD, TONNE

DISPOSAL METHOD	2017	2018
Disposal at the Company's sites (hazard class 5)	668	393
Transferred to contractors:	100,937	100,346
for neutralisation	1,330	1,651
for recycling	26,325	28,775
for landfill	73,282	69,920

## ENERGY CONSUMPTION

In efforts to save energy and increase energy efficiency in 2018, FPC continued its focused activities reducing operating costs of fuel and energy management while introducing new resource and energy-saving technologies.

FPC reduced its energy consumption and improved its energy efficiency through the following projects:

- procured new, advanced, and energy-efficient rolling stock
- installed energy-saving technologies such as LEDs and smart lighting systems at FPC's depots and sites
- upgraded boiler facilities by installing advanced and more efficient boilers
- equipped FPC's buildings and structures with meters for water consumption and discharge, electricity, and heat energy
- installed high-voltage charging points at passenger train preparation sites across branches
- optimised passenger carriage depots and sites.

## FUEL AND ENERGY CONSUMPTION

TYPE	IN NOMINAL TERMS			BY VALUE, RUB MILLION		
	2017	2018	CHANGE 2018/2017, %	2017	2018	CHANGE 2018/2017
Electricity, million kWh	129.3	129.3	100.0	645.1	644.3	-0.8
Diesel fuel, '000 tonnes	2.5	2.6	102.9	92.7	107.6	14.9
Coal, '000 tonnes	106.3	109.3	102.8	280.3	324.3	44.0
Fuel oil, '000 tonnes	17.3	15.0	87.1	200.1	228.0	27.9
Natural gas, million m <sup>3</sup>	23.3	23.2	99.4	133.4	132.8	-0.6
Gasoline, '000 tonnes	0.89	0.85	96.6	41.0	43.5	2.5
Briquettes, '000 tonnes	3.0	3.4	113.8	17.0	23.9	6.9
Pellets, '000 tonnes	1.1	1.2	102.8	9.5	8.8	-0.7
Wood, '000 m <sup>3</sup>	0.76	0.31	41.0	2.8	1.9	-0.9