

# Environmental Performance

To ensure good environmental stewardship, Moscow Exchange has approved Draft Regulations on Waste Production Rates and Waste Disposal Limits.

In accordance with the established action plan, in 2016 the Exchange streamlined the process of collection, accumulation and removal of solid waste, the canteen's food waste, bulk waste, ferrous metal scrap, and paper/cardboard waste generated as a result of office work and document processing from the MOEX premises.

Used oil and air filters, mercury lamps, parts of office/electric equipment, monitors, keyboards and cartridges were all transferred for disposal by specialised contractors. To ensure environmental safety, MOEX has arranged for special collection and disposal of batteries in all office premises.

In 2017, Moscow Exchange plans to develop a programme of environmental monitoring and industrial control.

## Total water discharge, liters<sup>1</sup>



<sup>1</sup> Total discharge includes canalisation and wastewater effluents. Discharge location: Mosvodostok (Moscow municipal discharge facilities), no pre-treatment required.

## Environmental impact prevention and environmental management system costs, RUB '000



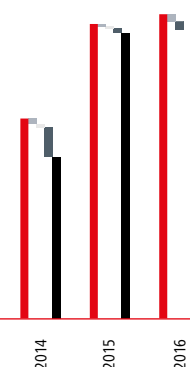
## Power consumption by source of energy<sup>2</sup>

Fuel	Physical measures		J (MJ)		Change in consumption, total (MJ)
	Y 2015	Y 2016	Y 2015	Y 2016	
Petrol (l)	68,590	63,182	2,291,031	2,090,528	-200,503
Diesel (l)	1,371	5,348	49,815	189,189	139,374
Electric power (kW/h)	10,644,287	10,471,026	38,319,433	37,695,694	-623,739
Heat ( Gcal)	4,029	4,471	16,879,666	18,733,431	1,853,765

<sup>2</sup> Moscow Exchange reported no other energy resources consumption (inclusive of nuclear and electromagnetic energy, oil, fuel oil, natural gas, coal, oil shale, or peat) in the reporting year.

## Disposal, dumping and recycling methods, tons

	2014	2015	2016	Δ 2016/2015
<b>Total</b>	<b>240.7</b>	<b>327.2</b>	<b>238.8</b>	<b>-27%</b>
Re-use	7.2	3.4	9.6	180.6%
Release of valuable components including energy	4.8	2.8	0.0	-
Placing in landfills	40.0	6.3	11.2	77.5%
Other methods (deactivation and recycling)	218.7	386.3	391.2	1%



### Total water offtake, liters



### Costs of waste and discharge treatment and environmental remediation costs, RUB '000



## INITIATIVES TO REDUCE ENVIRONMENTAL PRESSURES

Following initiatives were rolled out to protect the environment and maintain the microclimate in offices premises:

- In 2015, air humidifiers, purifiers, and air anti-bacterial re-circulators were installed to improve the microclimate in office premises and to filter hazardous substances, allergens, bacteria, etc. from the air.
- In January 2016, disinfectant dispensers were installed in office premises, particularly in common areas. Employees were provided with extra masks, antibacterial wipes and gels during epidemics of influenza and respiratory viral infections.
- Starting from January 2016, collection and disposal of batteries in office premises have been organised.
- Regular medical examinations of employees have been in place: in 2015 – 5 employees of NCC Clearing Bank, in 2016 – 69 employees of the Moscow Exchange.
- Holding a “Healthy Week” campaign to support a healthy lifestyle. Within the campaign in October 2016, employees were given apples, new vending machines were purchased, the canteen offered a more nutritionally balanced menu, on the intranet portal employees were offered expert advice on sedentary lifestyle and physical exercises in the workplace; the Company arranged various meetings, walking and tennis tournaments and put up thematic posters.

### Total waste mass, tons

	2014	2015	2016	Δ 2016/2015
<b>Total</b>	<b>217.9</b>	<b>327.2</b>	<b>238.8</b>	<b>-27.0%</b>
Category 1	–	0.1752	0.1596	-8.9%
Category 2	0	2.3	0	–
Category 3	4.4	2.4	9.9	318.8%
Category 4	165.2	228.8	208.2	-9.0%
Category 5	48.3	93.5	20.5	-78.0%

### Energy efficiency, RUB '000

	2015	2016	Δ 2016/2015
<b>Total</b>	<b>59,497.4</b>	<b>62,969.9</b>	<b>5.8%</b>
Gasoline	2,993.1	2,732.4	-8.7%
Diesel fuel	46.6	172.9	271.0%
Electricity	50,456.5	53,010.7	5.1%
Heat	6,001.2	7,053.8	17.5%

