

APPROVED	
By Annual Gener	al Meeting
of Shareholders d	lecision
Minutes of	2018 No

PRELIMINARILY APPROVED

By Board of Directors decision

Minutes of ______. 2018 No. _____

ANNUAL REPORT

PUBLIC JOINT-STOCK COMPANY «FEDERAL HYDROGENERATING COMPANY - RUSHYDRO»

(including information on sustainable development)

2017

Translation from Russian original

(In the case of inaccuracies, ambiguities and other contradictions, the Russian version is in priority)

Chairman of Management Board, CEO

N.G. Shulginov

This Annual Report is subject to prior approval by the Board of Directors and approval by the Annual General Meeting of Shareholders of PJSC RusHydro

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Responsibility Statement

We hereby confirm that to the best of our knowledge:

- (a) the consolidated financial statements of PJSC RusHydro and its subsidiaries (RusHydro Group), prepared in accordance with International Financial Reporting Standards, constitute a reliable assessment of the assets, liabilities, financial position, profit or loss of RusHydro Group;
- (b) the annual report includes a reliable assessment of the development and business condition and the position of RusHydro Group, as well as a description of the main risks and uncertainties which the activities of PJSC RusHydro and its controlled entities are susceptible to.

Chairman of the Management Board – General Director N.G. Shulginov

Chief Accountant Y. G. Medvedeva

Disclaimer on the publication of forecast data

The report contains information about the plans and intentions of RusHydro Group in the medium and long term. Plans and intentions are predictive in nature and their feasibility depends, among other things, on a number of economic, political and legal factors that are beyond the Company's influence (financial and economic and political conditions, key markets, changes in tax, customs and environmental legislation and etc.). For this reason, the actual performance indicators of future years may differ from the statements published in this Report.

Report information

The annual report of Federal Hydro-Generating Company – RusHydro (or "PJSC RusHydro", "Company") 2017 is the thirteenth annual report prepared by the Company and addressed to a wide range of stakeholders. (102-52)

This annual report includes information previously disclosed in a separate report on corporate social responsibility and sustainable development as well as the main results of the Group's activities in the field of strategic and corporate governance, the financial and operating results for 2017. (102-50)

The report is prepared in accordance with the regulatory requirements of the current legislation and adheres to the following principles and the requirements (102-54):

- Legislation of the Russian Federation,
- London Stock Exchange,
- The UK Disclosure and Transparency Rules for Listing,
- Code of Corporate Governance (recommended by the Bank of Russia);
- Corporate Governance Code of PJSC RusHydro,
- Provisions on the information policy of PJSC RusHydro,
- The AA1000 series of Accountability,
- Standards of the Global Reporting Initiative (GRI SRS) in the main version of the disclosure and the GRI industry application for energy companies,
- International standard on integrated reporting(<IR>).

The annexes to this annual report are available http://www.rushydro.ru/investors/reports/. RusHydro Group's previous annual reports as well as reports on corporate social responsibility and sustainable development, are available on the Company's website at http://www.rushydro.ru/investors/reports/ and http://www.rushydro.ru/sustainable_development/ socialotyetstyenost / kso / respectively. (102-51)

in the Appendices Book - see

The representative of the senior management of the Company responsible for preparing the Annual Report and the quality of the data contained therein is the member of the Management Board, First Deputy General Director A.V. Kazachenkov. (102-32)

Report boundaries

The scope of this annual report on social and economic key figures correspond with the limits of the consolidated financial statements of the Group prepared in accordance with IFRS, unless otherwise indicated in the notes to the disclosure of the key figures. The key figures of the report for the remaining categories are disclosed for the Group's main affiliates (102-7), while the key figures of organisations controlled by the Group that are not included within the limits of disclosure are not significant for the purposes of reporting. Exceptions on the limits of indicators are available in the GRI compliance table on page 192.

For a complete list of legal entities that are members of the RusHydro Group's structure, *including within the report boundaries*¹, *please see the section RusHydro Group's Structure* (102-45).

(103). No data has been restated for the reporting year; however, calculations of certain figures are indicated in footnotes. (102-48).

In 2017 there were no significant changes in the Group's scope of business. (102-10)

External audit of the Report (102-56)

The report passed an external, independent verification in accordance with the International Standard of Assurance (ISAE) 3000 (revised) "Assurance tasks other than audit and review of financial information of past periods". The independent auditor was JSC PricewaterhouseCoopers Audit.

In the current reporting period, the Company did its best to take into account the recommendations of the Russian Union of Industrialists and Entrepreneurs, following the review of RusHydro Group's Corporate Social Responsibility report for 2016.

In the course of preparation of the Report, comments and recommendations of expert committees on annual reports of the Moscow Stock Exchange and Rating Agency Expert RA were taken into account.

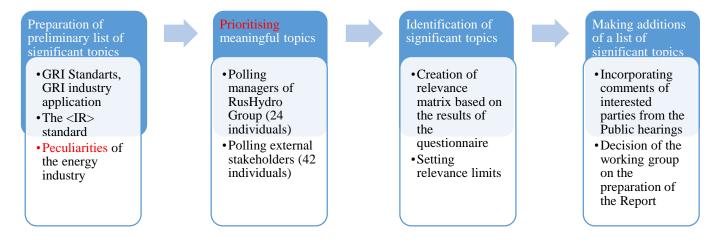
GRI Content Index Service reviewed the report: the content confirms to accuracy of compliance with GRI Standards.

¹ PJSC "Boguchanskaya HPP", which is not a controlled company, is not part of the RusHydro Group and is a joint venture with UC RUSAL is included in the Report's boundaries.

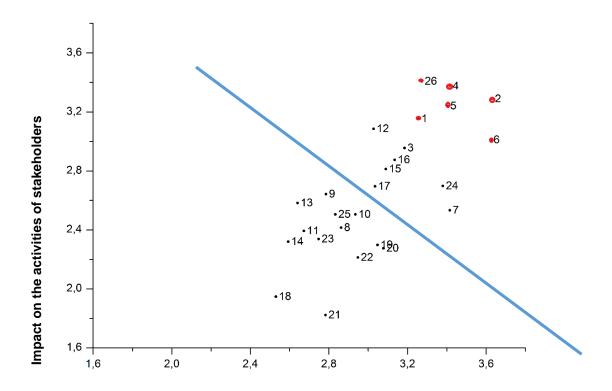
During the preparation of the Report in 2018, a public hearing on the Draft Report attended by representatives of major stakeholder groups took place. For the third year in a row, the Group has held this event. RusHydro tried to take into account the recommendations of the stakeholders received following the results of the public hearings held in 2017.

Defining the content of the Report

International standards (Standard <IR> and GRI Standards) recommend defining significant topics for disclosure in the Report as a joint dialogue between the Company and interested parties. In determining the content and scope of information included in the Report, RusHydro defined a procedure for determining significant topics 2018. (102-49).



Relevant topics matrix (102-46)



The Group's influence on the economy, social environment, and the environment

Relevant Topics (102-47)

	Televani Topics (102 17)					
№	Relevant Topics					
1	Implementation of the Long-term Development Programme of RusHydro Group					
2	Role of RusHydro in the development of power generation in the Far East					
3	Improving investment attractiveness					

	Investment policy and implementation of the investment programme, including the commissioning of new energy
4	facilities and the replacement of obsolete capacity
5	Security and reliability of the RusHydro Group's facilities
6	Safety and reliability of hydraulic structures and infrastructure facilities of thermal stations
	The system of prevention of natural disasters and emergencies and their handling (including floods, , low water
7	levels)
8	Development of renewable energy
9	Implementation of RusHydro Group's Innovative Development Program
10	Energy Efficiency and Energy Conservation
11	Participation of RusHydro Group in the digital transition in the power generation industry of the Russian Federation
12	Increasing operational efficiency and financial sustainability
13	Procurement management
14	Counteraction of unfair competition
15	Human resource development
16	Ensuring decent working conditions and respect for the rights of employees
17	Occupational safety and health at work
18	Charity
19	Implementation of the Group's Environmental Policy
20	Increasing efficiency of water usage
21	Managing the impact on biodiversity
22	Reduction of harmful emissions into the atmosphere (including greenhouse gases)
23	International cooperation
24	Social and economic development of regions of presence
25	Anti-corruption
26	Information openness and transparency of activities

^{*} Boldface highlighted significant topics. The themes that have the greatest importance are highlighted in bolded italics.

The Chairman's Statement

Dear shareholders, colleagues and partners!

The year of 2017 has been a fruitful year for the Company. RusHydro Group has made progress in all strategic directions: ensuring reliable and safe operations of its power facilities and hydroelectric complexes, sustainable development of electricity production, advancing development of the Far Eastern energy sector as well asgrowth of the Company's value.

RusHydro successfully carries out projects of significant importance for the Far East. The first stage of Yakutskaya GRES-2, the second out of the four power plants in the Far East, built in accordance with a Presidential Decree, was put into operation-. Other projects in the region such as Sakhalinskaya GRES-2, Vostochnaya CHPP and Nizhne-Bureyskaya HPP are at a high degree of completion, slated for commission within a year.

Thanks to commissioning of new and modernisation of existing facilities, as well as effective management of power plant operations, electricity production of RusHydro Group including Boguchanskaya HPP in 2017 reached a record level of 140.3 bn kWh, out of which 109.3 bn kWh was carbon-free production.

RusHydro continues to pay extra attention to energy efficiency. Energy Efficiency and Improvement Program for 2016-2020, updated in 2017, has already resulted in reducing electricity loss in the Far East by 10% or about 375 mn kWh per year, equivalent to annual electricity consumption of a small city.

Execution of infrastructure and investment projects in the Far East territories of socio-economic development continued in 2017. The financial stability of RusHydro's facilities in the Far East improved as well. RAO ES East Subgroup's debt was refinanced in 2017. In 2017, the law on reducing end-user electricity tariffs in the Far East to the average tariff level in Russia became effective, which aims to improve the business environment in the key region for the Company.

A series of measures to reduce costs and increase operational efficiency came into effect last yeat. The coprorate management structure of Far Eastern assets was optimised: headquarters of JSC "RusHydro" and JSC "RAO ES East" have been integrated. Centralisation of procurement activities came into effect in 2017 while centralisation and optimisation of certain functions in subsidiaries is on the way.

One of the most important activities of RusHydro Group is the development of the regions of presence. The Group's facilities are major employers in the regions while construction of new energy facilities creates

additional jobs. RusHydro's contribution to social welfare, education and environment has been widely recognised and acknowledged.

By a Decree of the President of the Russian Federation, 2017 in Russia was declared the year of ecology. For RusHydro, environmental responsibility has been a top priority since its foundation. Last year RusHydro confirmed its status as one of the leaders among environmental social responsible domestic companies in the fuel and energy sector. The Group pays particular attention to ensuring environmental safety, reducing the negative impact on the environment, including reducing greenhouse gas emissions and preserving biodiversity in the course of production activities. Regular measures are undertaken to introduce the best available technologies in the fields of environmental protection, preservation of rare animals and plants, artificial reproduction of valuable breeds of fish and support of specially protected natural areas.

Managing hydroelectric power stations and developing projects in the field of wind and solar energy, RusHydro Group is regarded as having one of the lowest indicators of greenhouse gas emissions per kilowatt hour of electricity output in Russia. RusHydro is also one of the leaders in Russia in the field of sustainable development. The company pays a great deal of attention to the activities of the Global Energy Partnership for Sustainable Development (GSEP). GSEP recognizes RusHydro's efforts in constructing new hydraulic, wind, and solar power capacities, as well as gasifying power plants in the Far East.

In world-specialised rankings, RusHydro Group ranks high among energy companies. The actions implemented by RusHydro in the direction of sustainable development are in line with the strategic goal of increasing the value of the company. In 2017, the Group was included in the index of the British stock exchange in the field of sustainable development FTSE4GOOD Emerging Index. This index serves as a guide to investors who are interested in acquiring shares of companies that meet high standards in the field of environment, social responsibility, and corporate governance.

In 2017, the Company was included in the first one hundred of the S & P Global Platts rating of the world's 250 largest energy companies, which serves as recognition of the Company in the international financial environment. The goal to further increase the Company's investment attractiveness continues.

In order to maximise the value of the company and increase its attractiveness for shareholders, strategic and financial investors, the Board of Directors of PJSC RusHydro approved the Group's Value Increase Plan for the period up to 2021.

We thank our shareholders, partners, and employees for their contribution to the development of RusHydro and their confidence in the actions of the Company's management bodies.

Chairman of the Board of Directors PJSC RusHydro

Yuri Trutnev

CEO's Statement

Dear shareholders, colleagues, partners!

The year of 2017 has been successful. We managed to carry out all of our priority tasks such as completing key projects and commissioning new generating capacities. We have set a new record in electricity generation, proving that we not only achieve meaningful results and sustain them, but strive and go further raising the bar. We continue our journey onrward by implementing state-of-the art technologies, modernising our existing facilities and improving our operating results.

The development of the infrastructure of the Far East, as well as locating a source of investment for the modernisation of existing heat generating facilities in the region, remains one of our main goals. In 2017, we completed the integration of headquarters of JSC RusHydro and JSC RAO ES East to create a single management office with unified standards.

The company pays special attention to operational efficiency, improvement of procurement activities, and personnel policy to ensure stable long-term development of the Company.

Production

The Group's electricity generation, including Boguchanskaya HPP, amounted to 140.3 bn kWh, which is more than one bn kWh higher than in the previous year.

Achieving a record result became possible through effective planning of water and energy regimes at the Volga-Kama cascade, commissioning new and upgrading existing stations. Strong operational performance of thermal power plants of the RAO ES East Subgroup, which have produced 32.82 bn kWh in 2017, have also contributed to the record level of electricity generation. Heat output by thermal plants of RAO ES East Subgroup amounted to 29.9 million GCal.

The installed capacity of RusHydro's power plants, including Boguchanskaya HPP, reached 39.04 GW in 2017, while the installed heat capacity of the Group increased to 18.5 thousand GCal / h.

Development

The Group spent 91.8 bn rubles on its investment programme in 2017. The preliminary consolidated investment program for the period of 2018-2023 includes projects amounting to \$443.6 bn rubles. introduction total of 1.5 GW of electric capacity and 1 thousand Gcal / h of thermal capacity are planned for commission.

The active construction phase of Far Eastern facilities, Sakhalinskaya GRES-2 and CHPP in Sovetskaya Gavan, carried out in accordance with the Presidential Decree, is under way. The second phase of Blagoveshchenskaya TPP (2016) and the first phase of the Yakutskaya GRES-2 (2017) have been already commissioned. Three major projects in the Far East electric grid system were launched: the construction of two 110 KW Overhead Lines "Pevek-Bilibino" in Chukotka, the modernisation of Magadanenergo substations to connect a new 220 KW overhead line, the construction of approach lines to the 220 KW Maya substation in Yakutia. Construction of GTU-CHPP in Vladivostok is approaching the finish line, Ust-Srednekanskaya hydroelectric power station is going according to the schedule as hydroelectric unit No.3 is set for commission in 2018. This year we successfully completed the gasification project at Anadyrskaya CHPP, which is of fundamental importance for the diversification of fuel balance of Chukotenergo.

RusHydro will commission over 250 MW of capacity until 2023 as a result of technical re-equipment and modernisation of our power plants. We are striving to increase the efficiency of the programmes for technical re-equipment and modernisation by reducing the implementation time and unit cost of work, employing new technologies and advanced approaches to project management as well as optimising procurement procedures. Improving the technological level is one of the key goals of the Group's Innovation Development Program for the period until 2025. In the reporting year, the quality of development of our Innovative development program received one of the highest ratings of the Interdepartmental Working Group on Implementing Innovation Development Priorities under the Presidium of the Presidential Council for Modernisation of the Economy and Innovative Development of Russia among the fuel and energy companies.

Improving efficiency

In 2017, the implementation of the Action Plan for cost optimisation continued. Processes of simplifying the organisational structure, eliminating duplicate administrative and management functions, optimising unit costs for maintenance, repair and fuel and transportation costs resulted in an economic effect of almost 6 bn rubles in 2017 alone. Given the actual inflation in 2017 at 3.68%, the Group's operating expenses increased by less than 2%. to the process aimed at reducing costs and increasing productivity continues.

We have completed the centralisation of procurement activities on the basis of a specially established controlled entity. This measure brought close to 30 billion rubles in savings over two years. The total amount of savings based on the results of purchases of RusHydro Group for 2017 amounted to 20.8 billion rubles.

Finance

In 2017, RusHydro Group demonstrated sound financial results from its operating activities. The consolidated revenue for the reporting year amounted to 380.9 bn rubles, consolidated EBITDA increased by 3.7% and reached a record level of 104 bn rubles. Net profit (IFRS) amounted to 22.4 bn rubles.

Following successful completion of the transaction with VTB Bank (PJSC) to raise equity capital, PJSC RusHydro received RUB55 bn in order to repay loans of the Group companies in the Far East. Savings in interest expenses of RAO ES East Subgroup were directed towards improvement of reliability of itsfacilities. Due to the high operational performance and the reduction in the Group's debt burden, the Net Financial Debt / EBITDA ratio, which characterises the company's financial stability, was reduced from 1.6 at the end of 2016 to 1.4 by the end of 2017. In the current year, we have made an exception to the debt burden of obligations under the guarantee of PJSC RusHydro to Vnesheconombank under the loan agreement of PJSC Boguchanskaya HPP concluded with the bank in 2010. As a result of the cancellation of the guarantee, RusHydro's financial debt decreased by another 26 billion rubles.

In 2017, international rating agencies S & P and Moody's upgraded the credit ratings of PJSC RusHydro to a sovereign level. Analysts rated the high level of state support for the Company and systemic improvement of RusHydro's financial and economic performance. This year, the long-term credit rating of PJSC RusHydro was raised by S & P to the investment level of "BBB-" with a stable outlook.

In 2017, PJSC RusHydro became one of the first Russian companies with state co-ownership and the first company among utilities to receive a credit rating from the Russian Analytical Credit Rating Agency (ACRA), while maintaining the highest level of reliability "AAA (RU)".

Successful placements of loan-participation notes placed in 2017 and 2018 on the Global Exchange Market confirms RusHydro's status as a reliable borrower. Investors' demand for securities of PJSC RusHydro has significantly exceeded the offer. The first issue was the best ruble-denominated transaction in the international market under the Cbonds version, while the second issue had a historically low yield for ruble issues of Eurobonds of Russian corporate issuers.

Sustainable development

We not only strive to improve operational and financial results, but also demonstrate maximum transparency of our activities. The leading rating agencies, business associations, and public organisations recognised our actions in this direction in 2017 as well. At the end of the year, RusHydro Group was among the leaders of the "Responsibility and Openness" index of the Russian Union of Industrialists and Entrepreneurs and ranked as one of the three most transparent companies in the electric power industry, according to Transparency International.

Our activities in the field of sustainable development received a positive assessment internationally as well. RusHydro ranked high in the RobecoSAM ranking in the reporting year, on the basis of which companies are selected for inclusion in the Dow Jones family of sustainable development indices. We are also the only Russian energy company included in the list of 100 best companies in the world in the field of sustainable development according to the rating agency Vigeo Eiris.

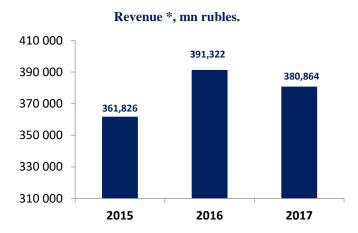
RusHydro employs thousands of hydro and thermal power engineers, service technicians and marketers, scientists, designers and other professionals in different regions of the country ranging from the Far East to St. Petersburg, from the south of Russia to Arctic regions. All of them are working for the benefit of the Company. I would like to thank all the employees of the Group for their hard work in supplying energy to our consumers and ensuring sustainable development of the Company. We will not stop and continue doing our best to achieve RusHydro's strategic goals.

N.G. Shulginov

The Chairman of the Management Board – CEO of PJSC RusHydro (102-14)

Key figures (102-7)

Financial indicators in accordance with IFRS

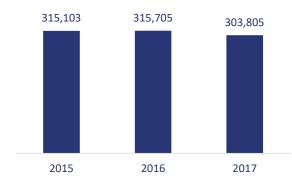




Assets, mn rubles.

* Including government subsidies.

Operating expenses *, mn rubles.



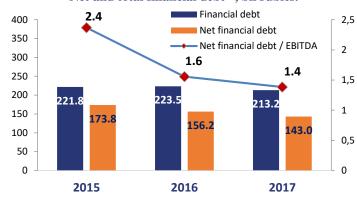
* Without taking into account impairment losses.

Net and total financial debt *, bn rubles.

2016

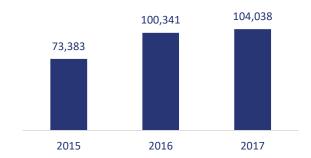
2017

2015



* The data are provided taking into account the obligations on the guarantee of the Company (cancelled from 07.02.2018 onwards) for the obligations of PJSC "Boguchanskaya HPP" under the credit of the GC Vnesheconombank.

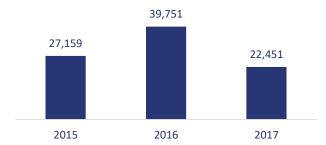
EBITDA, mn rubles.



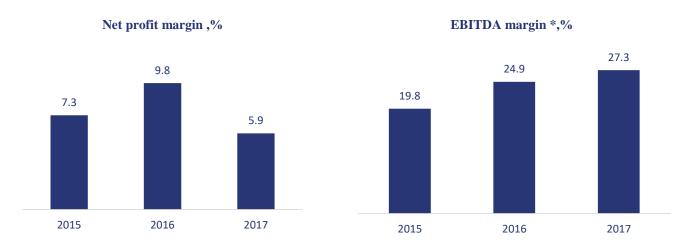
CAPEX *, mn rubles.



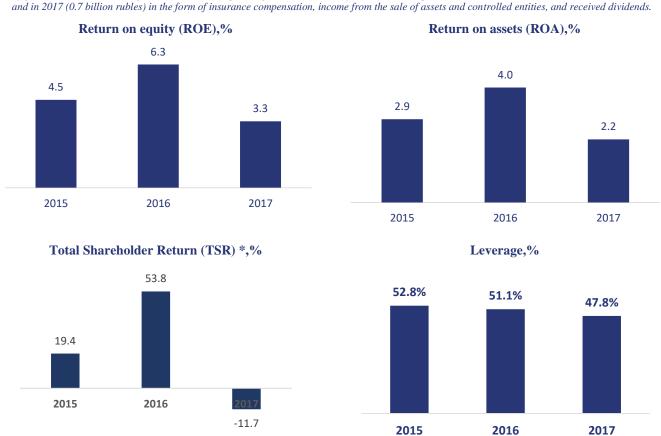
Net profit, mn rubles.



Financial Ratios



^{*} The figures are calculated taking into account other operating income received by RusHydro Group in 2015 (8.2 billion rubles), in 2016 (12.4 billion rubles) and in 2017 (0.7 billion rubles) in the form of insurance compensation, income from the sale of assets and controlled entities, and received dividends.



^{*}In the annual report for 2016, the TSR for 2015 was calculated using a different methodology, so the 2015 indicator in this report is different from the one disclosed in the 2016 report.

Operational indicators

Installed power *, MW Electricity generation *, mn kWh · h Subgroup RAO ES of the East Subgroup RAO ES of the East Controlled companies of PJSC "RusHydro" Controlled companies of PJSC "RusHydro" PJSC "RusHydro" PJSC "RusHydro" ——Total for the Group Total for the Group 138,810.1 38,868.10 39,038.50 38,652 127,351.1 9,148 31,672.3 8,924 9,023 33,970.2 4,847 4,727 4,730 6,858. 15,974.5 25,118 25,160 24,881 90,279.4 77,406.4 2015 2016 2017 2015 2016

Number of generating facilities *, units.

Subgroup RAO ES of the East Controlled companies of PJSC "RusHydro" PJSC "RusHydro" Total for the Group 433 412 411 357 334 338 59 2015 2016 2017



Heat output by RAO ES East Subgroup, thousand GCal

140,285.6

32,824.0

16,315.3

91,146.2

2017



^{*} The data are given taking into account the PJSC "Boguchanskaya HPP" (owned by PJSC RusHydro and UC RUSAL), inclusive of HPP-2 of PJSC KamGEK, excluding HPP-1 and HPP-3 of PJSC KamGEK, management.

About Company

The public joint-stock company "Federal Hydro-Generating Company RusHydro" is the largest energy company in Russia and the third largest in the world in the hydropower industry. RusHydro Group is the leader in production of renewable energy. The Company produces renewable energy from water currents, sea tides, sun, wind, and geothermal sources. (102-1) (102-2)

Brief history of PJSC RusHydro

PJSC RusHydro was established on December 26, 2004, following implementation of the state programme to reform electric power industry in accordance with the Decree of the Government of the Russian Federation No. 1254-r of 01.09.2003.

In 2008, the Company consolidated more than 50 hydropower plants in 18 regions of the constituent entities of the Russian Federation. In the same year, the Company's shares were listed on the Russian stock market, and a programme of depositary receipts was launched; in this case, the Bank of New York Mellon acted as a depositary bank.

In 2011, the Russian Federation introduced a controlling stake in JSC RAO ES of the East in the authorized capital of JSC RusHydro, as a result of which the installed capacity of RusHydro Group increased from 26.1 to 35.2 GW. RusHydro Group companies are systemic organisations and key state institutions for the development of the electric power industry in the country. In accordance with Presidential Decree No. 1009 of 04.08.2004, since 2012, PJSC RusHydro has been included in the list of strategic enterprises and strategic joint-stock companies.

The Company has been in operation for 13 years.

Activity of RusHydro

RusHydro Group's operations are characterised by a wide geography of presence: from Saint Petersburg to the Primorsky Region, from the Chukotka Autonomous District to the Republic of Dagestan. The Group has international presense, managing the Sevan-Hrazdan cascade of hydroelectric power stations in Armenia. (102-4) The company is registered in Krasnoyarsk, while its headquarters are in Moscow. (102-3)

RusHydro Group operates within the framework of the Unified Energy System (UES) of Russia. The installed capacity of the Group's assets is 39.04² GW.

Currently, the Group unites 400 power facilities, including more than 90 renewable energy facilities (including Sayano-Shushenskaya HPP named after P.S. Neporozhniy, with capacity of 6,721 MW in conjunction with the Mainsky hydropower complex). RusHydro also includes nine Volga-Kama cascade hydropower stations with total installed capacity of more than 10,000 MW, Zeyskaya HPP (1,330 MW), Bureyskaya HPP (2,010 MW), Novosibirsk HPP (475 MW), and several dozens of power plants in the North Caucasus. RusHydro Group manages geothermal stations in Kamchatka, the only Kislogubskaya tidal power station in Russia, and the highly manoeuvrable capacity of the Zagorsk Pumped Storage Power Plant (PSHPP) in the Moscow Region.

An important asset of the Group is RAO ES East Subgroup - the power system of the Far Eastern Federal District. The installed electric capacity of RAO ES East Subgroup is 9,148 MW while the thermal installed capacity is 18,497.1 GC $\,$ al / h.

RusHydro Group also includes LLC IEC, which owns the Sevan-Hrazdan cascade of hydroelectric power stations in the Republic of Armenia (seven stations with a total installed capacity of 561 MW).

The RusHydro Group's installed capacity by source of energy (EU1)

Energy source	Installed capacity, MW
HPP, PSPP	30,494.45
TPP	8,465.94
RES*	78.08
Total	39,038.47

*excluding HPP, PSPP

The installed capacity of RusHydro Group in terms of the regulatory regime (EU1)

Regulation mode	Installed capacity, MW
1st price zone	14,625.54
2nd price zone	10,193

² the indicator includes the electric capacity of the Subgroup of RAO ES of the East as well as the Boguchanskaya HPP, built and operated jointly with the United Company (UC RUSAL).

Non-price zones and isolated energy systems	13,658.63
Republic of Armenia (market zone)	561.4
Total	39,038.47

Actual energy production by region and energy source (EU2)

Actual energy production by region Actual energy production by region						
Geographical region	Electricity production, GWh	Heat output, thousand GCal				
Far East	47,344.24	30,124.5				
Siberia	38,667.21					
Centre	46,982.43					
South	6,825.69					
Armenia	466.02					
Total	140,285.59	30,124.5				
Actual	energy production broken	down by primary energy sources				
Name	Electricity production, GWh	Heat output, thousand GCal				
The total amount of energy produced, including primary energy sources:						
- water resources *	109,736.14					
- Coal / natural gas / fuel oil / diesel fuel	30,546.49	30,124.5				
- non-traditional energy sources	2.96					
Total	140,285.59	30,124.5				

^{*} Taking into account geothermal sources.

Planned capacity in comparison with the forecast demand for electricity, broken down by energy sources and regimes, thousand KW (EU10)

	RAO ES East Subgroup			RusHydro Group (without RAO ES East Subgroup)			incl.PJSC RusHydro		
Source type	Installed capacity instal		Planned installed capacity	Installed capacity		Planned installed capacity *	Installed capacity		Planned installed capacity
	2017	2018	after 5 years	2017	2018	after 5 years	2017	2018	after 5 years
Water	681.7	681.7	681.7	29,812.7 4	30,343. 47	30,883.27	25,16 1.54	25,208. 04	25,357.0 4
Geothermal energy	0.0	0.0	0.0	74.00	74.00	-	-	-	-
Wind energy	3.0	3.9	3.9	-	-	-	-	-	-
Tidal energy	0.0	0.0	0.0	-	-	-	-	-	-
Thermal generation:	8,461.9	8,727.12	8,934.52	3.57	3.57	3.57	-	-	-
type of fuel coal (coal / gas, coal / fuel oil)	6,182.2	6,305.34	6,468.34		-	-	-	-	-
type of fuel gas (gas/fuel oil)	1,879.3	2,018.80	2,018.80	-	-	-	-	-	-
type of fuel d / t, etc.	400.4	402.98	447.38	1.57	1.57	-	-	-	-
Other (solar energy)	1.6	1.6	1.6	-	-	-	-	-	-

^{*} Taking into account the commissioning of new capacities.

Capacity balances for UES of Russia*, thousand kWh

Capacity balances for UES of Russia", thousand Rvvn							
	2017	2018	2019	2020	2021	2022	2023
Demand for capacity	183,704	185,337	187,311	189,214	191,019	192,880	194,652
Coverage of demand	216,243.9	219,796.5	222,304.3	220,881.1	222,802.9	222,572.9	224,081.9
Own surplus (+) deficit (-) of reserves	32,539.5	34,459.7	34,993.4	31,667.5	31,784.3	29,692.5	29,430.2

^{*} excluding isolated energy areas.

Outlook for RusHydro Group

In accordance with the plans of the Ministry of Energy of Russia, the scheme and the development program of the Unified Energy System of Russia for 2017-2023 approved in a Decree of the Ministry of Energy of Russia No. 143 of March 1, 2017 and based on the analysis of the Investment Program and RusHydro Group's business plan, that the following scenario will most likely happen:

- the share of generating facilities of RusHydro Group in the total output of the Russian Federation will decrease from 13.07% in 2017 to 12.97% in 2018, while the Group's production decline will be about 0.5%. The decrease is a result of long-run average production used in calculcations, whereas the actual production will depend on water inflows;
- the share of the installed capacity of RusHydro's power plants in the installed capacity of the Russian power plants will increase from 15.81% in 2017 to 15.93% in 2018, while the Group's installed capacity growth will be about 2%.

Grid

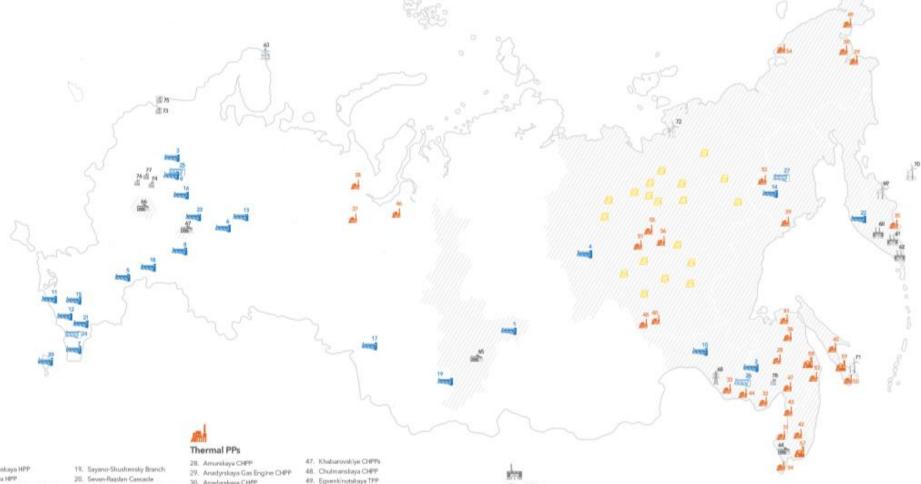
The length of overground and underground transmission lines and distribution lines, broken down by the regulatory regime (EU4)

The length of transmission lines, km (in chains)						
WE	CM - Adjustable prices	RI	REM - regulated prices			
Overhead power line	s	Overhead power lines	3			
110 KW	7,939.7	220 KW	5,179.9			
		110 KW	5,903.7			
35 KW	8,806.9	35 KW	6,997.1			
Cable power lines		Cable power lines				
110 (10) KW	40.1	110 (10) KW	1.6			
35 KW	83.5	35 KW 4				
	Length of power d	istribution lines, km (by cha	ain)			
WECM - Adjustabl	e prices	REM - regulated pri	ices			
Overhead power line	S	Overhead power lines	3			
6 (10) KW	20,539.6	6 (10) KW	10,957.3			
0.4 KW	20,531.9	0.4 KW	11,458.8			
Cable power lines		Cable power lines	•			
6 (10) KW	1,155.7	6 (10) KW	2,040.8			
0.4 KW	1,120.4	0.4 KW	1,450.7			

Number of and installed capacity of transformer substations (EU4)

	Number of transformer substations,	Installed capacity of transformer			
	pcs.	substations, MVA			
WECM - Adjustable prices					
220 KW	1	80			
110 KW	242	7,370.8			
35 KW	476 4,380.8				
6 (10) KW	10,943 3,511.8				
REM - regulated prices					
220 KW	28	3,652.3			
110 KW	140	4,496.3			
35 KW	383	1,613			
6 (10) KW	9,451	3,672.3			

Geographical spread





- 1. Beguchenskaya HPP
- 2. Byrwyskaya HPP
- Cascade of Verkhnevolzhskiye
 HPPs
- 4. Cascade of/Skysky HPPs.
- 5. Volghskaya HPP
- 6. Votkimlarya HPP
- 7. Dagestan branch
- 8. Zhigutevskoya HPP
- 9. Zagorskaya PSHPP
- 10. Zeyskaya HPP
- 11. Zelenchulokskys PSHPP
- 12. Kabardino-Balkarian Branch
- 13. Kamakaya HPP
- 14. Kolymskirya HPP
- 15. Cascade of Kubanskiye HPPs 16. Nizhagorodskaya HPP
- 17. Novosibirskaya HPP
- 18. Saratovskaya HPP

- 21. HPPs of the Northern Ossetlan

HPPs under construction

- 22. Tolmschyovskiye HPPs

24. Zaramagskya HPPs

- 23. Cheboksankaya HPP
 - - - 38. Magadanskaya CHPP
 - 39. Mirrinskoya TPP
 - 41. Nikolaevskaya CHPP
 - 42. Partisanskaya TPP
- 25. Zagorskoya PSPP-2 26. Nizhne-Bureyskaya HPP 45. Sakhalirokaya TPP
- 27. Ust-Srednekanskaya A.F. Dyakova HPP

- 30. Anadyrskaya CHPP
- 31. Artyomovskaya CHPP
- 32. Blagovesherakaya CHPP
- 33. Vladivostok CHPP
- 34. Kemchatskiye CHPPs
- 35. Komsomolskiye CHPPs
- 36, Kyzym (Molsife PP)
- 37. Labytrangi (Mobile PP)

- 40. Norunginskya TPP
- 43. Primorskaya TPP
- 44. Raychikhiskaya TPP
- 46. Urengoy (Mobile PP)

- 50. Yuzhno-Sakhalinskaya CHPP
- 51. Yakutskaya SDPP
- 52. Arkagalinskaya SDPP
- 53. Maya SDPP
- 54. Chaunskaya CHPP
- 55. Yakutskaya TPP
- 56. Yakutskaya SDPP-2

Thermal PPs under construction

- 57. Vostochraya TPP
- 58. Sovgavanskaya CHPP 59. Sakhalinskaya TPP-2

GeoPPs

- 68. Verkhne-Mutnovskaya GeoPP
- 61. Mutnovskaya GeoPP
- 62. Pruzhetskaya GeoPP



Solar PP

SPP in in the Republic of Sakha (Yalutla), 19 power plants



Tidal PP

63. Kislogubskaya Tidal PP



Retail companies

- 64. Far-Eastern Energy Company
- 65. Krasnovarskenergosbyt
- 66. Ryazan retail energy company
- 67. Chuvash retail energy company



Electric grid company

68. Far Eastern Distribution Company



- 69. WPP in Ust-Kamchatsk
- 70. Nikolskoe sett. WDS 71. Novikovo sett, WDS





Wind PPs under construction

72. Tiksy sutt. WDS



organizations

- 73. Mosebbydreproject
- 74. Vedeneyev VNIIG 75. Hydroproject institute
- 76. Lanlydroproject
- 77. NIES 78. NEKPEC



Territorial entity of the Russian Federation, where Rus Hydro operates

RusHydro Group's structure

RusHydro's branches and its Controlled Companies within report boundaries Subgroup RAO Energy Systems of the East companies within report boundaries

Branches

Industrial:

- PJSC RusHydro's branch Bureyskaya HPP
- PJSC RusHydro's branch Votkinskaya HPP
- PJSC RusHydro's branch Volzhskaya HPP
- PJSC RusHydro's branch Dagestan branch
- PJSC RusHydro's branch Zhigulevskaya HPP
- PJSC RusHydro's branch Zagorskaya PSPP
- PJSC RusHydro's branch Zeyskaya HPP
- PJSC RusHydro's branch Kabardino-Balkarian branch
- PJSC RusHydro's branch Kamskaya HPP
- PJSC RusHydro's branch Karachay-Cherkessia branch
- PJSC RusHydro's branch Cascade of Verkhnevolzhskiye HPPs
- PJSC RusHydro's branch Cascade of Kubanskiye HPP
- PJSC RusHydro's branch Nizhegorodskaya HPP
- PJSC RusHydro's branch Novosibirskaya HPP
- PJSC RusHydro's branch Saratovskaya HPP
- PJSC RusHydro's branch Sayano-Shushenskaya HPP named after P.S. Neporozhniy
- PJSC RusHydro's branch North Ossetian branch
- PJSC RusHydro's branch Cheboksarskaya HPP

Non-industrial:

• PJSC RusHydro's branch CorUnH

Management companies

- JSC MC HydroMC
- PJSC RAO Energy Systems of the East
- JSC ESC RusHydro

Generation controlled companies

- JSC Geoterm
- JSC Verkhne-Mutnovskaya GeoPP
- JSC KamHEK
- CJSC MEK
- JSC Pauzhetskaya GeoPP
- JSC Blagoveschenskaya
- JSC Far-Eastern Generation Company
- JSC NDES

Controlled companies combining generation, transmission, and distribution of electricity

- JSK Kolymaenergo
- PJSC Yakutskenergo
- JSC Sakhaenergo
- PJSC Kamchatskenergo
- JSC SENK
- PJSC Magadanenergo
- JSC Chukotenergo
- JSC Sakhalinenergo
- PJSC Peredvizhnaya Energetika

Other profiled companies

- JSC FEGC
- JSC Teploenergoservis

Sales controlled companies

- JSC Krasnoyarskenergosbyt
- JSC RESK
- JSC Chuvashskaya Power Suooly Company
- PJSC Far-Eastern Energy Company

Controlled companies under construction

- JSC TPP in Sovetskaya Gavan
- JSC Yakutskaya TPP-2
- JSC Sakhalin TPP-2
- JSC Nizhne-Bureiskaya HPP
- JSC Zagorskaya PSP-2
- JSC SHPP KBR
- LLC ayaSHPP Stavropol and KChR
- LLC Verhnebakansky SHPP

Controlled companies – institutions

- JSC Vedeneyev VNIIG
- JSC NIIES
- JSC Lengidroproject
- JSC MOSOBLHYDROPROJECT
- JSC Hydroproject Institute
- LLP VNIIG

Controlled companies combining generation and construction

- JSC Zaramag HPP
- JSC Sulak Gidrokaskad
- JSC Ust-Srednekanskaya HPP. A. F. Dyakov

Construction, repair and maintenance controlled companies

- JSC Hydroremont VCC
- JSC ChirkeiHPPstroy
- LLC Montazhenergo
- JSC "Ust-Srednekan HPPstroy
- JSC KhPRC
- JSC KhRAC
- JSC Neryungrienergoremont
- JSC KhETC
- JSC VOSTEC
- JSC FAR-EASTERN ENERGY COMPANY
- JSC YaERC
- JSC Energotranssnab
- JSC Magadanenergoremont
- JSC Magadanelektrosetremont
- LLC HYDROPROJECT-SERVIS
- JSC LCM

BEMA's structure companies

- JSC BoAP
- HYDROOGK ALUMINIUM COMPANY LIMITED»

JSC Boguchanskaya HPP*

- «HYDROOGK POWER COMPANY LIMITED
- JSC Customer of construction of Boguchansky aluminum plant
- JSC Organizer Boguchanskaya HPP construction

Other service controlled and non-core companies

- JSC RHS
- LLC RusHydro IT Service
- JSC Technopark Rumyantsevo
- LLC Energy Index Hydro OGK
- JSC TC RusHydro
- JSC SC SSHPP
- JSC Hydroinvest
- JSC Malaya Dmitrovka
- RUSHYDRO INTERNATIONAL B.V.
- JSC Engineering center of renewable energy
- JSC Nizhne-Zeyskaya HPP
- JSC Small HPPs of Altai
- RUSHYDRO INTERNATIONAL A.G.
- JSC Sibenergosbyt
- LLC Vostok-Finans
- JSC Motor transport enterprise LuTEK
- JSC Avtotransportnogo
- JSC IC "Agroenergo
- JSC HOUSING SERVICES
- LLC Duz
- LLC SNGR
- JSC Rodnik Zdoroviya

Controlled by companies which do not conduct significant activities or are in the process of liquidation

- LLC EZOP
- LLC ENEKS
- LLC SRERH
- JSC ESCO UES
- JSC RHBE
- JSC Far East WES
- JSC GVTs of Energy
- JSC Karachay-Cherkessia Hydrogeneration company
- JSC Hydroengineering Siberia
- JSC Yuzhno-Yakutsk GEC"
- JSC SHPP of Dagestan
- LLC Fiagdonskaya SHPP
- LLC Verhne-Naryn hydroelectric power plant
- LLC HOUSE of -21 centure
- JSC HRS
- JSC HC the Amur pearl
- LLC Energokomfort
- LLC "NGOS MRC"
- JSC Leningrad PSP

^{*} PJSC Boguchanskaya HPP is not a part of RusHydro Group, it is a joint venture of RusHydro Group and RUSAL Group.

Awards and ratings 2017

- RusHydro, with the issue of ruble-denominated Eurobonds, won the Cbonds Awards 2017 in the nomination "The best ruble deal in the international market".
- PJSC RusHydro was included in the first one hundred of S & P Global Platts rating of the world's 250 largest energy companies and the top ten fastest growing companies in the macro-region of Europe, the Middle East and Africa.
- PJSC RusHydro improved its position in the annual ranking of the largest Russian companies RBC-500. The Group demonstrated record operating results through the effective planning of water and energy regimes, commissioning of new and upgrading existing power plants, and increasing electricity generation in the Far East.
- PJSC RusHydro was included for the first time in the ranking of Vigeo Eiris "100 Best Companies in the Field of Sustainable Development from Emerging Markets" (the only Russian energy company included in the list).
- PJSC RusHydro received the awards of the "MediaTEK" contest. In the nomination "Social and Environmental Initiative" the project "Security and rescue operation" Bureysky Mazai "was recognised as the best. This project also received a special prize of the expert council "For systemic work on covering the development projects of the Far East."
- PJSC RusHydro became one of the leaders of the rating "Environmental initiatives of Russian companies in the media. Fuel and Energy and Metallurgy", prepared by the Institute of Modern Media in conjunction with the "Living Planet" TV channel.
- PJSC RusHydro took the highest position in the RobecoSAM ranking in the field of sustainable development among Russian companies. The society was evaluated according to 26 criteria related to the economic, environmental and social spheres. Based on the evaluation of RobecoSAM, companies are selected for inclusion in the Dow Jones Sustainable Development Index family.
- Corporate Hydropower University PJSC "RusHydro" became the winner in two categories of the IV All-Russian competition of the best practices of employers for the development of human capital "Creating a future".
- Annual report of PJSC "RusHydro" and Corporate Social Responsibility Report of RusHydro Group for 2016:
- rose in the ranking of the contest of annual reports ReportWatch from index B to B +;
- received the result of 5 stars (the highest quality) in the Competition of annual reports Expert RA;
- entered the top five in the rating of corporate transparency of the largest Russian companies of the Russian Regional Network for Integrated Reporting,
- received the RSPP award in the nomination "For high quality of reporting in the field of sustainable development"
- marked in the category "Golden" in the nomination "Best Annual Report" of the International Corporate Communications Contest "MarCom Awards 2017".

events

January	PJSC RusHydro was included in the new index of the British stock exchange in the field of sustainable development FTSE4GOOD Emerging Index. This indicator serves as a guide for investors who are interested in acquiring shares of companies that meet high standards in the field of ecology, social responsibility, and corporate governance.
	A personal section of the Group was created on the Single electronic trading platform "Roseltorg", where almost all purchases by RusHydro are taking place. RusHydro's cooperation with the largest electronic trading operator for government customers and commercial enterprises is an important step in improving the efficiency of procurement.
February	PJSC RusHydro published the results of the implementation of the Comprehensive Modernisation Program for five years, for the period of 2012-2016. As a result of the installation of more efficient equipment, the total capacity of the RusHydro HPP increased by 267 MW. It completely replaced 39 hydroturbines, 23 hydrogenerators, 41 transformers, more than 6,000 units of auxiliary and electrical equipment
March	PJSC RusHydro and VTB Bank (PJSC) implemented a unique transaction for the Russian market to acquire 55 billion common shares of PJSC RusHydro, which is about 13% of the Company's capital, and a 5-year settlement forward contract. As a result of the deal, RusHydro received 55 billion rubles in full afterwards to pay off debts of Far Eastern energy companies of RusHydro Group.
April	Management of the controlled entities of JSC "RAO ES of the East" was completely transferred to the executive office of PJSC "RusHydro". The merger brought about a synergistic effect by reducing the number of levels of management in RusHydro Group and the centralisation of similar functions in a single responsibility centre.
	The international rating agency S & P Global Ratings raised the long-term credit rating of PJSC RusHydro on the international scale to the sovereign level of "BB +" and on the national scale to the level of "ruAA +". S & P experts noted the strong production results of PJSC RusHydro and the systemic improvement of the Company's financial and economic performance for 2016.
May	PJSC RusHydro completed the placement of an additional issue of 40 billion shares held for a deal with VTB. As a result of the additional issue, VTB Bank (PJSC) received about 9.4 % of the Company's shares, another 3.5 % was Treasury shares.
June	The Annual General Meeting of Shareholders of PJSC RusHydro approved record dividends for the entire duration of the Company's existence. The total amount of dividend payments amounted to more than 19.9 billion rubles, which is almost 5 billion rubles more than last year's payments. The dividend per share grew by 20%.
July	The Resolution of the Government of the Russian Federation on equalising tariffs for electricity in the Far East to the average Russian level came into effect. Alignment was achieved by introducing an allowance to the price for capacity in price zones. PJSC "RusHydro" is defined by the recipient of the extra charge, which is transferred to the budgets of the subjects of the Far Eastern Federal District.
	PJSC RusHydro conducted public hearings in the form of an open dialogue between the Company's management and representatives of stakeholders (stakeholders), within which a discussion of the CSR report for 2016 was held.
	Within the framework of the Development Programme of RusHydro Group's sales activities for 2017-2019, the authority of the sole executive body (PJSC "DEK") was transferred to the managing organisation of JSC ESK RusHydro.
August	A formal ceremony of launching the first three hydroelectric units of the Nizhne-Bureyskaya HPP was held. In addition to generating electricity, the station performs the functions of equalising the uneven water discharges of Bureyskaya HPP during the day and protecting settlements from underflooding. The design capacity of 4 hydroelectric units of the station is 320 MW.
	The Board of Directors of PJSC RusHydro approved preliminary results of the work on structuring the Company's participation in the Taishet Aluminum Plant completion project.
September	The international rating agency Moody's raised the long-term credit rating of PJSC RusHydro on the international scale to the sovereign level of Ba1 (stable outlook). The basis for improving the rating was the systemic improvement of financial and economic indicators, the reduction in the debt burden, the high level of liquidity and government support for PJSC RusHydro.
	RusHydro successfully placed the issue of ruble eurobonds with a maturity of 5 years. The company raised 20 billion rubles at 8.125% per annum, Asian investors bought 40% of the issue. Placement and listing of Eurobonds was conducted on the Irish Stock Exchange.
	PJSC RusHydro joined the UN Global Compact, the largest business initiative in the field of sustainable development. The company undertook to support the Treaty, as well as to follow its ten principles in the field of human rights, labor relations, environmental protection, anti-corruption, and sustainable development goals of the UN until 2030.

Within the framework of the Eastern Energy Forum-2017, the Company's management reached an agreement on cooperation with a number of partners. A handful of agreements was signed, including with the governments of the Magadan Region, the Chukotka Autonomous Okrug (Region), the Kamchatka Territory, the Republic of Sakha (Yakutia), as well as with Japanese partners: the Japanese government organisation NEDO and Kawasaki Heavy Industries. Additionally, an agreement on strategic cooperation with ALROSA was signed.

In Yakutia, solar power stations were put into operation in the villages of Sebyan-Kuel, Orto-Balagan and Kystatyam. New sources of energy partially replace the production of expensive diesel generation. One station with a capacity of 50 kW allows to save approximately 15 tons of diesel fuel per year.

RusHydro set goals for sustainable development for the period until 2020. While forming the list, the main provisions of the Strategy of Ecological Safety of the Russian Federation until 2025, as well as the Concept of the Russian Federation's transition to sustainable development, were taken into account.

October

AKRA awarded RusHydro a national scale credit rating at the highest reliability level (stable outlook). PJSC RusHydro was the first company in the power generation sector to receive such a rating.

The Board of Directors of PJSC RusHydro approved the Group's Value Increase Plan for the period up to 2021. The plan is aimed at ensuring the investment attractiveness of shares of PJSC RusHydro, the growth of the company's fundamental and market value, creating prerequisites for further sustained growth of the company's market capitalisation.

JSC RusHydro organised public hearings of the new version of the Group's Environmental Policy. Representatives of the environmental community, of expert and scientific organisations, of the business community supported the policy of RusHydro to improve its own environmental policy and highly appreciated the open nature of the company's public dialogue.

November

RusHydro put into operation the first stage of the Yakutsk SDPP-2 with an electric capacity of 193 MW, thermal power - 469 Gcal / h (inclusive of the peak water-heating boiler-house). GRES is the most powerful thermal power plant built in the Russian Far East in the post-Soviet period. This is the second completed project (of four priority ones) for the construction of new power facilities in the Far East, which are being implemented by RusHydro in accordance with RF Decree No. 1564 of 22.11.2012.

RusHydro completed the comprehensive restoration of the Sayano-Shushenskaya HPP. The bulk of the work was completed in 2014 with the launch of the tenth hydroelectric unit; thus, the station reached a design capacity of 6,400 MW. In 2017, the complex reconstruction was brought to a final conclusion with the signing of all necessary documents. The power generation of the HPP by the end of 2017 amounted to 22 billion kWh, which corresponds to the project level of the hydroelectric power.

December

The construction of the Boguchanskaya HPP was completed. At full capacity of 2,997 MW, the station was launched in 2014, becoming the fifth largest hydroelectric power station in Russia. On the crest of the dam the stations laid a two-lane road, designed to travel 2,000 cars a day and connected the banks of the Angara. With the opening of traffic along the road, the more than 40-year history of the construction of the Boguchanskaya HPP was completed.

Within the framework of the Comprehensive Modernisation Programme, ten hydroelectric units with a total capacity of 956 MW were updated at six hydroelectric power stations. Three hydroturbines were replaced at the Zhigulevskaya HPP, two hydroelectric units were installed at the Volzhskaya HPP, one hydro turbine was renewed at the Saratov and Novosibirsk HPPs. A new hydroelectric unit was commissioned at the Votkinskaya HPP. At the Cheboksary hydroelectric power station, the operating mode of the turbines was changed.

RusHydro summed up the results of production activities. The development of RusHydro Group along with the Boguchanskaya HPP in 2017 reached a historic record of 140.28 billion kWh, which is 1.1% more than in 2016. The installed capacity of the Group's power plants and Boguchanskaya HPP for the first time exceeded 39.04 GW for the first time. The installed heat capacity of the Group increased to 18.5 thousand Gcal / h.

The Board of Directors of PJSC RusHydro approved the Investment Program of PJSC RusHydro for 2018 and took note of the investment plan for the medium term until 2022. The investment program of PJSC "RusHydro" for 2018-2022 provides for financing of measures for technical re-equipment and reconstruction (TP & R) of operating generation facilities aimed at improving the safety and technical reliability of production equipment. Within the framework of the implementation of the TPiR program, an additional 174.5 MW of capacity will be provided within 5 years without the construction of new generation facilities.

Events after the balance sheet date

January

PJSC RusHydro is among the three most transparent companies in the electric power industry, according to Transparency International. In the course of the study, experts assessed the openness of the commercial sector in Russia, the overall level of transparency and public accountability of Russian companies, most of which are on the list of backbone enterprises of the Russian Federation.

February	RusHydro was the first Russian issuer to place 3-year ruble Eurobonds in 2018. The company raised 20 billion rubles at the lowest rate in the Russian market - 7.4% per annum. The total amount of bids received for the purchase of bonds was 4 times higher than the volume required by the company. Approximately 2/3 of the issue were bought back by foreign investors. The international rating agency S & P upgraded the long-term credit rating of PJSC RusHydro to the investment grade "BBB-" (forecast "Stable"). The Company's short-term credit rating was upgraded to "A-3". Analysts of S & P evaluated the high level of state support of the Company in conjunction with strong indicators of the independent creditworthiness of PJSC RusHydro.
	The financial debt of RusHydro Group decreased by 26 billion rubles due to the exclusion of obligations under the guarantee of PJSC RusHydro to Vnesheconombank under the loan agreement of PJSC Boguchanskaya HPP concluded with the bank in 2010.
	PJSC RusHydro signed an agreement with Japanese companies on construction in the Arctic village of Tiksi, the Republic of Sakha (Yakutia), a unique wind farm for the Russian Federation. The complex will include wind power plants and diesel generators with a total capacity of 3.9 MW, as well as an energy storage system and an automated control system.
March	Anadyrskaya CHPP with a 50 MW capacity switched over to gas. This allowed to reduce the emissions of pollutants, to limit the accumulation of ash from coal combustion, to increase the efficiency of the station, and to improve the reliability of power supply for the residents of Anadyr.
	On the Day of Water RusHydro held more than 40 sports and environmental education activities in the regions of presence. The World Day of Water is celebrated annually by the decision of the UN General Assembly to draw public attention to the problem of preserving and improving the quality and quantity of fresh water.
April	The Board of Directors of PJSC RusHydro has approved a report on the Business plan of PJSC RusHydro execution for 2017, including reports on the implementation of the investment program (including the program for the comprehensive modernization of generating facilities) and the annual comprehensive procurement program.

CHAPTER 1 STRATEGIC REVIEW

RusHydro Group sees its mission in the efficient usage of hydro resources, creating conditions ensuring the reliability of the Unified Energy System of Russia as well as social and economic development of the Far East regions by ensuring the availability of energy infrastructure for existing and prospective consumers.

The Company's values

Clean energy – environmental safety and respect for natural resources.

Engineering culture – safe and reliable operation of the assets.

Prosperous society – reliability and infrastructure development, sustainable use of water resources, development of the hydro generation potential and expanded use of renewable energy sources that promote development of the territories, economic growth and prosperity of the society.

Responsible business – social policy that supports personnel and residents of the regions where the Company operates.

Leading company – ensuring the Company's success and leadership by combining the efforts of the personnel, the usability of resources, and the excellence of business activities in the pursuit of high quality performance in every activity.

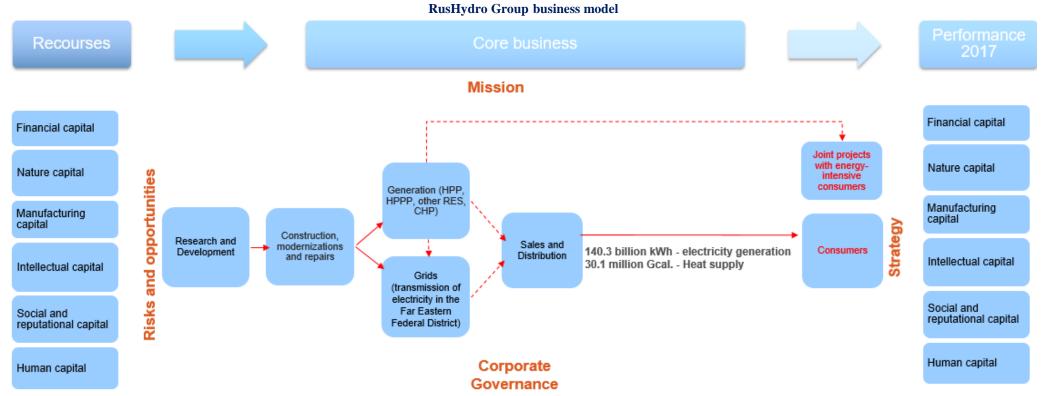
Unified team – fair remuneration and development opportunities for employees to achieve the Company's competitive advantages in different areas of its activity (team spirit, self-expression, and personal fulfilment for each team member).

Developing environment – new technologies and unlimited development opportunities.

Young energy – professional development of the Russian youth at school.

1.1 Business Model

The main economic activities of RusHydro Group companies are electricity generation by hydroelectric power stations, generation of electricity by thermal power plants, transmission, distribution and sale of electricity. The resources at the input and output of the business model are grouped into six main capitals. As a result of capital transformation through core activities, the Group creates value for both external and internal stakeholders.



Resources as of 01.01.2017	Results as of 31.12.2017				
	For RusHydro	For Stakeholders			
	Financial capital				
650.9 bn rubles equity 332.51 bn rubles borrowed capital	104 bn rubles Consolidated EBITDA (+3.7% by 2016) 1.4 - net financial debt / EBITDA (-12.5% by 2016) from 10.2% to 9% per annum weighted average cost of ruble borrowings is reduced	19.9 bn rubles. – dividend payments (+ 32.6% by 2016)			
	Manufacturing capital				
412 - number of generation facilities		1.5 billion kWh - increase in electricity generation (+ 1.06% by 2016)			
	18 497.1 Gcal / h installed thermal capacity of power plants (+ 1.8% of 2016)				

38.9 GW - installed capacity of	92 bn rubles funding of the investment program (+ 14.2% by 2016)	375 mn kWh - reduction of power losses in networks in the Far East		
power plants	New capacities were introduced:	(-10% by 2016)		
18,133.13 Gcal / h - installed heat	- electric - 242.3 MW	22 617 - number of new connected consumers (+1, 04% by 2016)		
capacity of power plants	- thermal energy - 475.34 Gcal / h	` ' ' '		
104.2 thousand km - length of power	- transformer capacities - 455.78 MVA			
transmission lines	- length of repaired and constructed grids - 1,470.68 km			
	Intellectual capital			
1.32 bn rubles - value of intangible	1.27 bn rubles - value of intangible assets (- 4.3% of 2016) (according to RAS)	Cooperation with foreign partners: Mitsui & Co, Ltd,		
assets (according to RAS)	2.19 bn rubles – amount of funding of the Innovative Development Program (+	KOMAIHALTEC Inc, Kawasaki Heavy Industries, NEDO, Voith		
1.65 bn rubles - amount of funding	33% by 2016)	Hydro, JSC Uzbekhydroenergo, etc.		
of the Innovative Development	402.4 mn rubles R & D costs	Participation in the development of 8 Federal standards		
Program	1.1% - share of innovative products in the total volume of purchases	1		
	0.25% - share of R & D expenses from revenue			
	Human capital			
71,528 - number of workers	2.1 bn rubles - cost of labour protection (+ 470% by 2016)	1,311 - number of workplaces created		
	27% - employees aged 35 years and less	305.1 mn rubles - costs of human resources development		
	5.2 thousand rubles / person-hourproductivity of labor	72.48 thousand rubles - average salary (+ 7.1% by 2016)		
	Nature capital			
		109 739 GWh – RES generation		
743.29 mn m3 - the volume of water	1,6 bn rubles - expenses for environmental protection	271.1 thousand tons - emissions into the atmosphere (-0.15% by 2016)		
withdrawn	114.60 mn kWh overall effect of measures to improve energy efficiency of	585.31 million m3 - the volume of discharges of sewage into water		
	PJSC RusHydro (+ 12.9% by 2016)	bodies (+0.4% by 2016)		
16,8 mn tons - amount of coal taken		133 thousand fry are released into rivers and reservoirs		
		3 solar power plants put into operation		
	Social and Reputational capital			
		80.4 mn rubles tax payments to budgets of different levels		
		Participation in the reduction of tariffs for consumers in the Far		
		Eastern Federal District to the average Russian level		
The first in Russia and the third in		Increase of long-term credit ratings of the company:		
the world company among		- S & P: from "BB" (Outlook Positive) to "BBB-"		
analogical companies with HPPs		(Stable Outlook)		
predominant;		- Moody's: from "Ba2" (stable outlook) to "Ba1"		
	507 11 (6) 11 11 11 11 11 11	(outlook Positive)		
Leader in the production of energy	> 507 mn rubles cost of improving the living conditions of workers	- Fitch: from BB + (Negative Outlook) to BB +		
based on renewable sources - a		(Stable Outlook)		
Strategic Organisation of Russia		- ACRA: assigned the highest rating "AAA (RU)"		
		(stable outlook)		
		Implemented more than 100 charitable projects		
		58 705 - number of publications in the media		
		More than 96% of positive and neutral publications in the media		

1.2 Strategy and its implementation in 2017

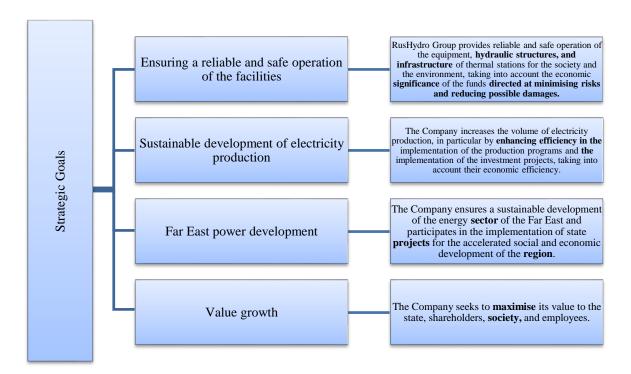
1.2.1 Strategy of RusHydro Group

In June 2016, the Board of Directors of PJSC RusHydro approved the Development Strategy of RusHydro Group for the period until 2020, with the possibility of prolonging the strategy until 2025³.

RusHydro Group developed the strategy in accordance with the following documents:

- Concept of long-term social and economic development of the Russian Federation until 2020,
- National Security Strategy of the Russian Federation,
- Long-term forecast of the development of the economy of the Russian Federation until 2030,
- Draft Energy Strategy of the Russian Federation for the period up to 2035,
- Scheme and program for the development of the Unified Energy System of Russia for 2015-2021,
- General layout of the location of electric power facilities until 2020,
- Regional strategies for social and economic development and energy strategies of regions,
- Sectoral strategies.

The strategy of RusHydro Group is based on the Energy Strategy of the Russian Federation for the period until 2035, in the development of which PJSC RusHydro actively participates. The central element of the sectoral strategy is the transition from resource-based to innovative development of the fuel and energy complex (FEC), with a special emphasis on the need for in-depth and comprehensive modernisation of the fuel and energy sector in Russia. Strategic objectives of RusHydro Group lie in implementing the tasks outlined in the Draft Energy Strategy of the Russian Federation for the period up to 2035.



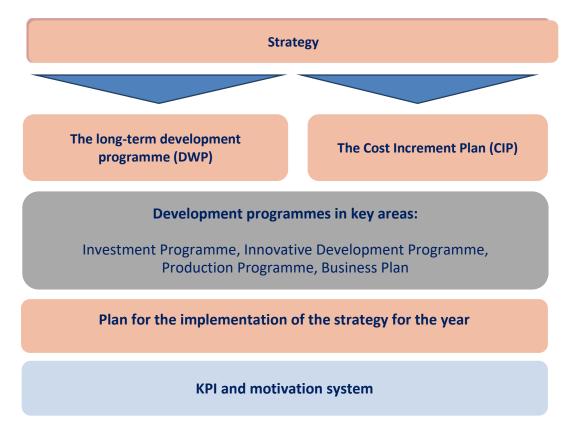
To achieve the strategic goals, specific tasks have been set for the main areas of activity.

³ Minutes of the Board of Directors No. 238 of June 8, 2016.



Mechanisms for implementing the Strategy

The Company has introduced a strategic management system that links the processes of strategic management with motivation system. The system was created taking into account the recommendations of the Federal Agency for State Property Management⁴ for the development of key strategic documents.



The main tools for the implementation of the Strategy are the Long-term Development Program of RusHydro Group and the Strategy Implementation Plan, which contain the Company's development priorities, as well as tasks and indicators aimed at achieving its strategic goals. Since 2017, the RusHydro Group's Value Increasing Plan has been included in the strategic documents system.

RusHydro Group value increase plan

⁴ Recommendations of the Federal Agency for the Management of State Property No. OD-11/18576 of April 29, 2014.

RusHydro Group's value increase plan (hereinafter - VIP) for the period up to 2021 is designed to maximise the value of the Company and reinforce its attractiveness for shareholders and investors. The plan was approved by the decision of the Board of Directors of PJSC RusHydro dated October 27, 2017⁵.

The plan aims to increase the fundamental and market value of RusHydro. At the same time, the increase in fundamental value is a key factor in the growth of market capitalisation, which is especially important given the significant current discount to the market price of shares of PJSC RusHydro, as well as other companies in the Russian electric power industry, compared to the largest foreign counterparts.

For the effective implementation of VIP activities, a cost approach Company's management is in the plan, ensuring focus on management processes, systems and solutions for maximising costs while ensuring the safety of the operation of generating capacities.

VIP includes tasks and activities to improve the efficiency of operational and investment activities, both

controlled by the management, and dependent on external factors. In particular, the it includes activities implemented as a result of the audit of RusHydro Group's expenses in 2016, additional measures aimed at improving the efficiency and streamlining the Company's operations, including the reduction of losses in networks, receivables, and the sale of non-core assets.

In addition, VIP is used to improve the efficiency of the forward transaction and create conditions for the fulfillment of obligations of PJSC "RusHydro" to VTB Bank (PJSC) due to the increase in the value of shares.

One of the key focuses of the VIP is the work on interaction with federal executive bodies, including the development of normative acts aimed at creating investment-attractive conditions in the energy sector of the Far Eastern Federal District, improving the mechanisms for guaranteed return on investment in new construction and modernisation projects.

The Plan also identifies key areas of the Company's activities aimed at increasing the transparency and openness of RusHydro Group for stock market investors and minimising the gap between the fundamental and market values, In addition, the Company's activities are stepped up through the improved quality of corporate governance, a consistently high and projected dividend flow, the liquidity of shares and depositary receipts, an increase in the weight of shares in key indices and others.

Strategy implementation plan

The Strategy implementation plan is a set of annual tasks and indicators assigned to specific structural divisions and officials of the Company, the implementation of which is aimed at achieving the strategic objectives of RusHydro Group.

The strategy implementation plan includes the Development Priorities, which is a list of key tasks and activities, implementation of which is considered a priority in the current year.

Priority tasks	Performance
Reliability as well as modernisation of existing assets, improving the management of the production facilities	The long-term production programme has been adjusted in the part of the TPiR projects as a constituent of the investment program of PJSC RusHydro.
Boost the operational efficiency and transparency of operations	The Plan of measures for cost optimisation is implemented based on the results of an external independent audit of the costs of PJSC RusHydro, taking into account the controlled entities.
Advance the competitiveness of the project facilities	In accordance with the approved timetable, the Concept for the reorganisation of the management system of the scientific and technological resources of PJSC RusHydro is being implemented.
Enhance the effectiveness of the Far East asset management system and the development of power in the Far East	The Plan of measures for cost optimisation, formed on the basis of the results of an external independent audit of costs, is being implemented for the respective controlled organisations of JSC RAO ES of the East.
Compose strategic documents of the Company	The Long-term Development Program of RusHydro Group for the period 2016-2020 has been updated.
Advance the corporate governance system	The number of norms and principles of corporate governance enshrined in the Code of Corporate Governance and introduced into the practice of corporate management of PJSC RusHydro has been grown.
Develop human resources	The implementation plan for professional standards is being implemented, taking into account the provisions of Federal Law No. 122-FZ of 02.05.2015 "On Amendments to the Labour Code of the Russian Federation and Articles 11 and 73 of the Federal Law "On Education in the Russian Federation".

⁵ Minutes of the Board of Directors of the Company No. 259 of October 30, 2017.

1.2.2 Long-term development programme

The long-term development program of RusHydro Group (hereinafter - LTDP RusHydro) was composed during the period of 2016-2020 in accordance with the instructions of the President of the Russian Federation⁶ and the Government of the Russian Federation⁷.

LTDP RusHydro for the period of 2016-2020 approved by the resolution of the Board of Directors of the Company of November 23, 2016 (Minutes No. 244). By the decision of the Board of Directors of the Company dated April 18, 2017 (Minutes No. 251), changes were made to the LTDP in terms of the list and methodology of key performance indicators of the LTDP in accordance with the KPIs approved by the members of the Management Board of PJSC RusHydro and the KPI of the Long-Term Motivation Program of PJSC RusHydro.

LTDP was devised for the period of 2016-2020 and defines the main principles and directions ensuring the dynamic development of RusHydro Group for the effective use of hydro resources, creating conditions for ensuring the reliability of the Unified Energy System of Russia, and creating conditions for the social and economic development of the regions of the Far East by ensuring the availability of energy infrastructure for existing and prospective consumers.

Goals of LTDP RusHydro:

- reliable and safe operations of the Company's facilities,
- sustainable development of electricity generation,
- development of power in the Far East,
- growth of the Company's value.

LTDP RusHydro was formed in accordance with the Strategy for the development of RusHydro Group for the period until 2020, with the possibility of prolonging it till 2025⁸, on the basis of RusHydro's consolidated business plan and approved programme documents of RusHydro Group - production programmes, investment programmes, innovative development programmes.

LTDP RusHydro contains proposals to improve the operational and investment performance of RusHydro Group, measures to improve the corporate governance system, personnel management system, anti-terrorism, information and economic security and international development system, analysis of risks associated with the implementation of activities, key performance indicators and methodology calculation and evaluation of key performance indicators of the Long-Term Development Program.

The main activities aimed at implementing the LTDP in the reporting year were carried out by means of production, investment and innovation programmes. Information on their implementation is available in sections 2.1, 2.2., 2.3.

The audit of the implementation of LTDP RusHydro is carried out in accordance with the Standard approved by the Board of Directors of PJSC RusHydro⁹ for the implementation of the Long-Term Development Programme of RusHydro¹⁰ Group and the Terms of Reference for conducting an audit of the implementation of the DG RusHydro¹¹, developed while taking into account the recommendations of the Government of the Russian Federation.

⁶ Decree of December 27, 2013 No. Pr-3086.

⁷ Minutes dated 30.01.2014 No. 3, directive of the Government of the Russian Federation of July 17, 2014 No. 4955p-P13.

⁸ Minutes of the Board of Directors No. 238 of June 8, 2016.

⁹ Minutes of the Board of Directors No. 206 of November 21, 2014.

Minutes of the Board of Directors No. 227 of November 16, 2015.

¹¹ Decree of the Government of the Russian Federation of 04.15.2014 No. ISH-P13-2583.

1.2.3 Key Performance Indicators

The system of key performance indicators (hereinafter referred to as KPI) of the management of PJSC RusHydro was developed taking into account item 4 of the list of instructions of the President of the Russian Federation No. Pr-1474 of July 5, 2013, instructions of the Government of the Russian Federation No. IS-

P13-2043 of 27.03.2014 and directives of the Government of the Russian Federation from 25.04.2014 No. 2579p-P13, from 12.11.2014 № 7558p-P133 in accordance with the Methodological Guidelines of the Federal Property Management Agency and is aimed at improving the efficiency of the Company's operations and achieving the goals set by shareholders. Since 2017, the KPI management systemincludes the annual key performance indicators of the members of the Management Board of PJSC RusHydro and the key performance indicators of LTDP RusHydro.

- The target values for the annual KPI of the members of the Management Board of PJSC RusHydro for 2017 were approved by the decision of the Board of Directors (minutes of the Board of Directors dated 26.12.2016 No. 245, taking into account the changes approved by the Board of Directors protocol No. 254 of June 22, 2017).
- Target values of KPI of the long-term motivation programme of PJSC "RusHydro" for the first stage for 2017-2019 approved by the decision of the Board of Directors (Minutes No. 245 of December 26, 2016, taking into account the changes approved by the protocol of the Board of Directors of June 22, 2017 No. 254).

In 2016, based on the recommendations of an independent consultant¹², a list, a methodology for calculating and estimating the annual KPIs of the members of the Management Board of JSC RusHydro for 2017, as well

The fulfillment of key performance indicators of the LTDP by 50% depends on the performance of the 3-year TSR indicator. According to the adopted methodology of the Long-Term Motivation Program, the TSR, calculated as the sum of the change in the market price of the share and dividend yield for the reporting period, is considered to be met if the calculated actual value of the indicator exceeds the dynamics of the Moscow Stock Exchange Index for the reported 3-year period by a positive amount.

as KPI of the long-term motivation programme of JSC RusHydro's first stage for 2017-2019 were introduced, hence allowing to motivate the Company's management to implement strategic objectives and, thereby, to combine the interests of the management and shareholders of the Company. Calculation and evaluation of KPIs of members of the Management Board and KPI of the Company's long-term motivation programme is carried out on the basis of the procedure for calculating and assessing the annual KPIs of the members of the Management Board of PJSC

RusHydro (taking into account the changes from Minutes No. 251 of April 18, 2017) and the Methodology for Calculating and Evaluating the Key Performance Indicators of the Long-Term Motivation Program PJSC "RusHydro" of the first stage for 2017-2019 respectively.

Annual KPIs of members of the Management Board of PJSC RusHydro for 2017

The annual KPIs of the members of the Management Board of PJSC RusHydro for 2017 include five financial and economic indicators and two industry indicators (which meet the requirements of the Federal Property Management Agency). The financial and economic indicators of the annual KPIs of the members of the Management Board of PJSC RusHydro include an indicator that is mandatory for use, according to the instructions of the Federal Property Management Agency - ROE. The basis for the calculation of financial and economic indicators in the Company is the Group's consolidated financial statements under IFRS. Also, in 2017, the Board of Directors changed the methodology for calculating and evaluating annual KPIs of members of the Management Board of PJSC RusHydro (Minutes No. 251 of April 18, 2017) pursuant to the decision of the Board of Directors of the Company "On proposals to improve the methodology for calculating and evaluating key performance indicators in terms of the implementation of capacity utilisation schedules and the plan for financing and development, % (Minutes No. 245 of December 26, 2016).

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¹² The recommendations of the independent consultant (Ernst & Young (CIS) BV) on the methodology of the payment system for members of the Management Board were approved by the Board of Directors (Minutes No. 241 of September 23, 2016).

Target and actual values of annual KPIs of members of the Management Board of PJSC RusHydro

	Target and actual values of annual KPIs of	2016				2017				Achievement
№	Key Performance Indicators (KPI	Target Value	Actual value	Degree of achievemen t of target	Indicat or weight	Target Value	Actual value	Degree of achievement of target	Indicator weight	degree of KPI in 2017 compared to 2016 (%)
1	Annual KPI of members of the Management Board of 1 PJSC RusHydro:						-			
1.1	Profit before taxes and depreciation (EBITDA), mn rubles.	Not installed	Not estimated	-	-	97,993	110,323	Completed	15 %	-
1.2	Profitability of the share capital (ROE),%	3.6 %	6.3 %	Completed	20 %	6.1 %	10.13 %	Completed	15 %	100 %
1.3	Proportion of purchases from small and medium enterprises,%, including:	≥18 %	≥18 %	Completed	5 %	≥18 %	85 %	Completed	10 %	100 %
	- based on the results of purchases only among small and medium-sized enterprises,%	≥10 %	≥10 %	Completed	3 /0	≥10 %	38 %	Completed	10 /0	100 %
1.4	Prevention of the number of accidents from exceeding the maximum value	Not	Not			0	0			
	- number of accidents at work, pcs.	installed	estimated	-	-	≤ average for 5 years ¹³	14	Completed	20 %	-
	- number of major accidents, pcs.					0	0			
1.5	Implementation of capacity schedules and a plan for financing and development,%	100 %	57 %	Not Completed	20 %	85 %	92.8 %	Completed	20 %	-
1.6	Labour productivity, thousand rubles / person-hours	Not installed	Not estimated	-	-	4.74	5.20	Completed	10 %	-
1.7	Reducing operating costs (costs)	Not installed	Not estimated	-	-	2 %	-2.26 %	Completed (taking into account factors beyond the control of management) **	10 %	-
1.8	Profitability of investments of shareholders (TSR),%	100 %	100 %	Completed	10 %	Not installed*	Not estimated	-	-	
1.9	The coefficient of financial leverage (Kfl)	≤ 1.5	0.5	Completed	5 %	Not installed	Not estimated	-	-	-
1.10	Integral KPI of innovative activity,%	85%	91%	Completed	20%	Not installed*	Not estimated	-	-	-
	The reliability criterion is the same:	-	-	Completed						-
1.11	- prevention of the number of accidents from exceeding the maximum value	0	0	Completed	20%	Not installed	Not estimated	-	-	
	- fulfilment of the planned readiness factor	> 1	> 1	Completed						

^{*} Since 2017, they have been approved as part of the key performance indicators of the Long-Term Motivation Program of PJSC RusHydro.

** Decision of the Board of Directors of PJSC "RusHydro" of 24.04.2018 (Minutes No. 269).

¹³ The value is 25.2.

KPI Long-Term Motivation Program of PJSC RusHydro for the first stage of 2017-2019.

The KPI of the Long-Term Motivation Program of PJSC RusHydro for the first stage of 2017-2019: three indicators are included: two financial and one economic ones (one of which is "Return on Investment of Shareholders (TSR)" is included in the list of mandatory ones in accordance with the requirements of the Federal Property Management Agency) and an integral innovative KPI approved by the decision of the Interagency Working Group on Implementing Innovation Development Priorities of the Presidium of the Council President of the Russian Federation for Economic Modernisation and Innovative Development of Russia (Minutes No. AD-P36-247pr of December 17, 2015). Integral KPI of innovation activity is included in the KPI list for 2017 in accordance with the directives of the Government of the Russian Federation dated 03.03.2016 No. 1472p-P13 and in accordance with the decision of the Board of Directors (Minutes No. 242 of 10.10.2016).

Targets of key performance indicators of the long-term motivation program of PJSC RusHydro for the first stage of 2017-2019.

2017.	
KPI of the Program	Target Value
Total shareholder return (TSR),%	100 %
Integral innovative KPI,%	85 %
Free cash flow (FCF), mn rubles.	-22,350

Evaluation of the dynamics of key performance indicators of the long-term motivation program of PJSC RusHydro for the first stage of 2017-2019 will be conducted at the end of the period for which the indicators are set.

KPI DPR RusHydro

LTDP contains KPIs established for 2016-2020.

The calculation of KPI targets is in accordance with the parameters of the draft of RusHydro Group's consolidated business plan for 2017-2021, and taking into account the activities envisaged by the programmes of the Group.

The list of key performance indicators of LTDP RusHydro for 2016-2020 is similar to the KPI management system.

KPI DPR RusHvdro 14

№		2017			2018	2019	2020
745	Key Performance Indicators	Target Value	Actual value	Degree of target achievement	Target Value	Actual value	Degree of target achievement
1	Profitability of investments of shareholders *	100 %	<100 %	Not Completed	100 %	100 %	100 %
2	Return On Equity (ROE)	5.8 %	10.13 %	Completed	5.8 %	7.4 %	7.4 %
3	Income before interest, taxes and depreciation (EBITDA), million rubles.	95,993	110,033	Completed	93,878	115,248	116,626
4	Avoiding a higher number of accidents:	0	0	Completed	0	0	0
	- number of accidents at work, (pcs.)	≤ average for 5 years ¹⁵	14	Completed	0	0	0
	- number of accidents, pcs.	0	0	Completed	0	0	0
5	Implementation of capacity schedules and a plan for financing and development	85 %	99 %	Completed	85 %	85 %	85 %
6	Proportion of purchases from small and medium-sized enterprises, including the results of purchases only among SMEs	18 % 10 %	85 % 38 %	Completed	18 % 15 %	18 % 15 %	18 % 15 %
7	Labour productivity (revenue, thousand rubles / person-hours)	4.72	5.20	Completed	4.82	5.02	5.17
8	Integral Innovative KPI	85 %	91%	Completed	90 %	95 %	95 %
9	Reducing operating costs (costs)	2 %	-	-	2 %	2 %	2 %
10	Free cash flow (FCF), million rubles.	- 39,875	- 29,722	Completed	-8,202	25,727	34,540

^{*} According to the agreed method of calculation, the TSR value in 2017 was -11.7%, while the value of the Moscow Stock Exchange index was -3.6%. The negative dynamics of shares in PJSC RusHydro is due primarily to the general decline in the market, which was exerted by geopolitical risks, as well as a decrease in interest in Russian companies by global investors. For most of the year, the dynamics of shares of PJSC "RusHydro" corresponded to the average market. At the end of the year, the main factors in the decline in the value of the shares were: the decision of the Board of Directors of the Company on temporary conservation of the construction project of Zagorskaya PSHPP-2, confirmation of information on the additional issue of the company's shares for financing the Pevek-Bilibino power transmission line project,

^{**} In accordance with the decision taken at the meeting of the Board of Directors of PJSC "RusHydro" dated 24.04.2018 (Minutes No. 269).

¹⁴ The target values of the KPI of the DDA for 2016-2020 were approved as part of the Long-term Development Programme of RusHydro Group for 2016-2020. (following the meeting of the Board of Directors of April 18, 2017 No. 251). The actual KPI values for 2017 are calculated in accordance with the Methodology for Calculating and Evaluating the Key Indicators of the Long-term Development Program of RusHydro Group approved by the Board of Directors (Minutes No. 251 of April 18, 2017).

¹⁵ The value is 25.2.

1.2.4 Sustainable development

The company is aware of its responsibility (economic, social and environmental) as a producer of electricity necessary for the society. The sustainable development (further contracted as SD) of a business is an important asset and is reflected in the mission and strategic objectives of RusHydro Group.

Ensuring reliable and safe functioning of the facilities for the society and the environment, taking into account the economic feasibility of the funds directed at minimising risks and reducing possible damages, is one of the strategic objectives of RusHydro Group.

The Company makes every effort to increase the share of renewable energy sources in the country's energy balance. The Group achieves this goal by introducing new generating capacities as well as increasing the generation of "clean" energy produced at the existing facilities of the Company while increasing energy efficiency.

A significant area of RusHydro Group's activities is also its contribution to the development of the regions of its presence. RusHydro Group contributes to the growth of well-being not only by creating jobs at its enterprises, but also by a number of positive indirect effects from the energy infrastructure (the connection of new consumers to networks, domestic and drinking water supply, etc.). Cities of the Group's presence witness the Company's support in areas such as the development of education, protection of the environment, and assistance to socially unprotected categories of the population.

A comprehensive approach to overcoming the challenges facing RusHydro in the field of sustainable development ensures the most effective transition to low-carbon development with minimal damage to the environment, as well as compliance with all health and safety standards of workers and the public.

Sustainable Development Management

Key issues of sustainable development are considered at meetings of the Board of Directors and the Management Board of the Company. An important role in the management of sustainable development issues of RusHydro Group is played by the Committee on Reliability, Energy Efficiency and Innovation under the Board of Directors PJSC RusHydro, which considers issues of long-term planning of hydropower and energy development based on other renewable energy sources (hereinafter referred to as RES), the development of functional policies, technical, environmental, and energy efficiency) and corporate standards in the field of technical regulation, etc.

The Company adopted a number of corporate documents that fix the approach and regulate activities in the field of SD and corporate social responsibility (hereinafter - CSR).

Corporate documents

CSR Aspect	Regulatory documents					
Sustainable	The development strategy of RusHydro Group for the period up to 2020 with the					
production	possibility to prolong it till 2025,					
	 DPR RusHydro for the period of 2016-2020, 					
	 Technical policy of RusHydro Group, 					
	 Regulations on the Working Part on Technical Regulations of PJSC RusHydro, 					
	 Regulations on the process of investment management in the form of capital investments, 					
	 Regulations on the standardisation system of PJSC RusHydro, 					
	 Regulations on the management of the internal control system of PJSC RusHydro. 					
Procurement	 Regulations on the procurement of products for the needs of PJSC RusHydro and other 					
activities	local regulations (hereinafter referred to as LNA) of PJSC RusHydro, designed to specify the					
	provisions of this document, including the Methods for testing reliability (business reputation) and					
	financial status of participants in procurement procedures.					
Ethics of	 Code of Corporate Ethics of PJSC RusHydro, 					
business and	 Anticorruption policy of PJSC RusHydro (in a new version), 					
counteraction to	 Regulations on the procedure for preventing and resolving a conflict of interests in JSC 					
corruption	RusHydro;					
	 Regulations on the procedure for notification of gifts received by employees of PJSC 					
	RusHydro in connection with protocol events, official business trips and other official events,					
	 Regulations on commissions on compliance with the norms of corporate ethics and 					
	conflict of interest regulation of PJSC RusHydro,					
	 Rules of work for the "Line of Trust" of RusHydro Group; 					
	– RusHydro for 2016-2019.					
Impact on the	 Environmental policy of PJSC RusHydro, 					

- Energy saving and energy efficiency improvement programme of PJSC RusHydro for period until 2020, - Energy saving and energy efficiency policy of the Subgroup "RAO ES of the East" Occupational Safety and Health - Charity - The policy of charity and sponsorship of PJSC RusHydro, - Regulations on Charitable and Sponsorship Activities of JSC "RAO ES of the East" Innovative development - The programme of innovative development of RusHydro Group for 2016-2020, with possibility to prolong it utill 2025 The program of innovative development of the Holding of JSC "RAO ES of the East 2016-2020 with the possibility to prolong it utill 2025 Regulations on the decree of development and implementation of the innovative development programme of PJSC "RusHydro" - Regulations on the process of R & D management in the production activities of PJS RusHydro - Regulations for the preparation, adjustment and monitoring of the implementation of for the procurement of innovative and (or) high-tech products " - Methodology for assessing the technical and economic efficiency of innovation proj and the Temporary procedure for assessing the technical and economic efficiency of innovation projects implemented in the form of research and development Personnel - Social policy of PJSC RusHydro, - Regulations on the organisation of trainings for employees of PJSC RusHydro,	
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 Regulations on performance appraisal of the personnel of the branches of PJSC 	
RusHydro,	
 Regulations on the creation of a database of candidates for posts of branches of PJSO 	4
RusHydro,	•
 Regulations on the work with the back-up staff of PJSC RusHydro, 	
 The concept of advanced human resource development "From the new school to the 	
workplace".	

The relevance of the Group's activities to the UN's Sustainable Development Goals

The activities of RusHydro Group in the field of SD are aimed at achieving a number of sustainable development goals adopted by the UN in September 2015. In 2017, JSC RusHydro joined the UN Global

Compact as the largest business initiative in the field of sustainable development. The company shares ten principles in the field of human rights, labour relations, anti-corruption and environmental protection, and seeks to ensure development that meets the needs of present generations without compromising the ability of future generations to meet their own needs.

The company adheres to the corporate social responsibility outlined in the ISO 26000 standard. According to it, social responsibility is the responsibility of the organisation for the impact of its decisions and activities on society and the environment, transparent, and ethical behaviour that:

Goal

- promotes sustainable development, including public health and well-being;
- takes into account the expectations of stakeholders;

- Implementation of activity in the field of sustainable development is carried out by profile blocks in the zone of their functional responsibility:
- Social responsibility Personnel management block:
- interaction with authorities in the regions of presence and creation of a favorable social climate for effective development of the Company Corporate Communications Department;
- Economic responsibility Block of economic planning and investments, Block of production activity, Block of capital construction, Block of financial and corporate law management;
- electricity generation, energy efficiency and environmental responsibility - a block of
- complies with the applicable legislation and is consistent with international standards of conduct;
- is integrated into the activities of the whole organisation and applied in its relations.

The objectives of sustainable development and the responsibility of RusHydro Group RusHydro Group Responsibility





















- Development and maintenance of a stable operation of the labour protection, industrial and fire safety systems
- Employee's insurance of workers for accidents at work and occupational diseases
- Development of employees' professional competences
- Promotion of the development of secondary and higher education through cooperation with the universities
- Creation and operation of treatment facilities
- Control and reduction of polluted water discharges
- Guarantee of energy security in the Russian Federation
- Increase in energy efficiency
- Growth of the renewable energy sources share in the energy balance
- Development of alternative renewable energy generation
- Maximisation of the value/cost ratio for the state, shareholders, the society and employees
- Responsible human resource management
- Employment of the population and decent wages
- Implementation of the Facilities Modernisation Program
- Conducting R&D by the RusHydro Research and Development Division
- Construction of new power facilities for meeting the population's demand for energy
- Development of the Far East energy infrastructure
- Guarantee of reliable and safe operation of production facilities
- Emergency prevention and control
- Construction and funding of social infrastructure facilities
- Relief measures in the event of natural disasters or other calamities
- Development of a cautious approach to resource exploitation among consumers, including the younger generation
- Superior quality production, quality control of generating facilities during the construction and operation phases
- Efficient recycling of energy and water resources
- Compliance with environmental legislation
- Minimising the impact on the environment, including the climate
- Minimising the level of air emissions (for companies of RAO ES East Holding)
- Conservation and restoration of fishery resources of water bodies
- Water efficiency
- Clear waste from water bodies banks
- Compliance with environmental legislation
- Efficient use of environmental resources
- Protection of biological diversity
- Fighting corruption
- Compliance with legal requirements
- Transparency of business
- Timely settlement of taxes



- Meaningful cooperation with stakeholders
- Environmental cooperation
- Enhanced transparency and accountability

RusHydro Group shares the goals of sustainable development of the UN and makes a considerable contribution to their achievement. The company has identified six priority objectives of SD, especially significant for its activities.











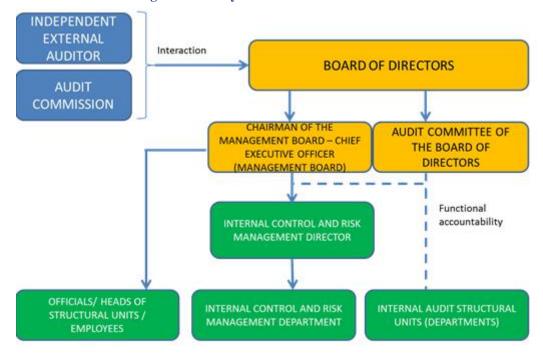


1.3 Risks and opportunities

1.3.1 Risk management system and risk registering

The activities of PJSC RusHydro are associated with a number of risks, which in certain circumstances may adversely affect the Company's production and financial results, social and natural environment. To reduce the negative impact of potential hazards and realise favourable opportunities, the Company has established a risk management system aimed at implementing the RusHydro Group Development Strategy for the period until 2020, with the possibility to prolong it till 2025.

Structure of business and risk management activity control over financial and economic activities of PJSC RusHydro



For the organization of risk management processes, the Risk Control and Risk Management Department (hereinafter - RCRND) was established as part of the internal control and risk management unit. As part of the Department of Humanity, including the Director of the Department.

RCRND solves the following tasks:

- organization of an effective corporate system of internal control and risk management in the RusHydro Group (hereinafter CS ICRM),
- ensuring effective operational control in the RusHydro Group,
- interaction with external control bodies.

Independent assessment of the risk management system

The external evaluation of the effectiveness of CS ICRM is carried out regularly during the audit of the implementation of the Long-term development program of the RusHydro Group, external audit of financial statements, survey surveys of RusHydro's facilities, mandatory due diligence in M & A risk assessment, audit and the Audit Commission of the Company.

The quality of the risk management system of PJSC RusHydro is regularly confirmed by an independent jury of international competitions (RusHydro's victory in risk management in the "Best Risk Management" competition in the category "Production Organizations", wins in the nominations "Best Comprehensive Management Program risks"," The best risk-manager of Russia", conducted by the Russian Risk Management Society RusRisk - the Russian National Association of Risk Managers, member of the Federation of European Risk Management Associations FERMA and)..

For more information on the risk management policy, see http://www.rushydro.ru/sustainable_development/riski/politika-upravleniya-riskami/

Risk Management Methods and Approaches

The list of methods and approaches to risk management is defined by the Internal Control and Risk Management Policy (approved by the Board of Directors decision, Minutes No. 227 of 16.11.2015). The Company uses the following set of methods and approaches to risk management:

- Risk management is an integral part of all organisational processes: risk management is not separate from the main activities and processes of the organisation;
- Risk management is part of the decision-making process. Risk management helps decision-makers to take informed choices, prioritise actions and identify optimal actions among alternative options;
- Risk management contributes to the continuous improvement of the organisation. In order to increase the level of maturity of risk management, the Company develops and improves the CS ICRM;
- The company seeks to create a risk-oriented corporate culture;
- The top management of the Company ensures the priority of risk management, the dissemination of knowledge and skills in the field of risk management in the Company and RusHydro Group, promotes training in the basics of risk management and the adoption of a corporate culture of "risk management";
- The Company's management ensures the possibility of effective information exchange and the introduction of communicative norms in the framework of corporate risk management.

According to the Regulations on the strategic management of PJSC "RusHydro", the Company annually draws up the Registry of strategic risks with the definition of risk owners, which is approved by the Management Board of the Company. For risks classified as critical and significant, the Management Board approves an action plan for managing strategic risks, in which the terms, the responsible individuals and the expected results are determined. The execution of measures for managing strategic risks and KPIs is taken into account when bonuses are paid to employees. Monitoring of the execution of the plan and monitoring of its implementation is carried out by the company's risk managers.

Adoption of a registry of strategic risks and an action plan for managing strategic risks for critical and significant risks Stages of strategic risk management Implementation of activities for managing strategic risks Reporting on the actual implementation of the strategic risk management plan

Risk managers regularly interact with the Audit Committee under the Board of Directors of PJSC RusHydro in the framework of exercising control over the functioning of the risk management system of PJSC RusHydro, which corresponds to the Methodological Recommendations for the organisation of the work of the audit committees of the Boards of Directors of joint-stock companies with a stake in authorised capital of the Russian Federation (approved by decree of the Federal Property Management Agency No. 86 of March 20, 2014).

Evaluation of the system of risk management and internal control

In 2017, the Board of Directors of PJSC RusHydro (Audit Committee under the Board of Directors of PJSC RusHydro) assessed the risk management system and internal control. The valuation was carried out on the basis of a methodology previously agreed by the Audit Committee under the Board of Directors of PJSC RusHydro, which provides for determining the compliance of the current status of the elements of the internal control system and the risk management system with the criteria for the target state, as established by the methodology¹⁶.

Based on the results of the evaluation, a report was prepared on the functioning of the corporate internal control and risk management system approved by the Board of Directors on July 21, 2017. The Board of Directors noted the positive dynamics of the development of the internal control and risk management system relative to the level at the beginning of 2016 and also concluded that the internal control system and the risk management system are characterised by a "moderate" level of development - the state of the elements of both systems as a whole corresponds to the target state established by the methodology assessment of the effectiveness of the internal control and risk management system agreed by the Audit Committee of the Company.

For more information on the stages and methods of risk management, see the website http://www.rushydro.ru/sustainable_development/riski/politika-upravleniya-riskami/osnovnye-etapy-protsessa-i-metody-upravleniya-riskami/

Corporate documents

The main document that defines the goals, objectives and principles of the corporate risk management system of PJSC RusHydro is the Internal Control and Risk Management Policy.

Documents regulating the operational management of major risks

Production risks	duction risks Investment risks Marke		Risks of mergers
		(sales risks)	and acquisitions
- Regulations on the process	- Regulations on the process of	- Regulations on the policy of	- Regulations on the
of creating production	investment management in the form	JSC "RusHydro" in the field of	planning,
programmes	of capital investments	sales activities with respect to	preliminary
- Recommendations of the	- Methodology for risk assessment of	operating generation facilities in	coordination,
Analytical Centre (as part of	projects in terms of risk-adjusted	the price zones of the wholesale	support and
the annual report of the	profitability (RORAC)	electricity and capacity market	implementation of
Analytical Centre)	- Quarterly reports to the	- The procedure for determining	strategic and other
- Regulations on the project	Management Board of investment	the minimum (maximum) indices	material transactions
management system	entities on risk management of	for electric energy of OPEC	- Registries and risk
- Methodology for assessing	projects	- Methodology for evaluating the	management plans
the risk of production assets	- A typical list of risks for the	internal rating of counterparties,	for the strategic
and the effect of options for	implementation of investment	the ratings of the Company's	transactions under
upgrading the equipment	projects as part of the Regulations on	counterparties on the Wholesale	consideration as part
based on the real option	the process of investment	Electric Energy Market,	of the strategic
method and calculating	management in the form of capital	calibrated on the Moody's scale,	transaction passports
VaR, taking into account the	investments	with a limit on the credit rating of	approved by the
assessment of the	- Risk registries, risk management	the portfolio of contracts	Management Board
reputational consequences	action plans and monthly reports on		
of equipment failures	the implementation of the action plan		
- Set of standards of the	for investment projects		
organisation's production			
activities in terms of risk			
management of individual			
stages of the life cycle of the			
production assets			

For more information on regulatory documents, see the website (http://www.rushydro.ru/sustainable_development/riski/politika-upravleniya-riskami/dokumenty-reglamentiruyushchie-sistemu-upravleniya-riskami/)

Improvement of internal control and risk management system

¹⁶ Recommendations of the Board of Directors of PJSC RusHydro on the improvement of the corporate system of internal control and risk management were not given.

Within the framework of improving the corporate system of internal control and risk management in 2017, the following activities are presented:

Corporate level

- The Board of Directors of PJSC RusHydro approved a report on the development of the internal control and risk management system and the effectiveness of strategic risk management for the previous reporting period.
- The Management Board of PJSC RusHydro approved the Strategic Risk Management Plan of RusHydro Group for 2017-2018. When approving the above-mentioned plan, the following are updated:
 - the registry of strategic risks of RusHydro Group,
 - a system of indicators for the implementation of strategic risks of RusHydro Group,
 - a list of measures to manage strategic risks of RusHydro Group.
- Following the results of 2017, the Management Board approved the Report on the implementation of the Action Plan for the management of strategic risks of RusHydro Group for 2017.
- RusHydro Group's risk management framework was significantly expanded: internal control and risk management policies were approved in 18 RusHydro Group companies, including 14 companies operating in the Far East.
- Risk management plans for 2017-2018 were approved in 30 key companies controlled by PJSC RusHydro, including 15 companies operating in the Far East.
- In order to synchronise the processes of strategic management and risk management, a new version of the LNA was developed and approved, which regulates the procedure for developing and approving the strategic risk management plan, as well as reporting on the implementation of this plan.

Business and operational level

- Affiliates and affiliated organisations of PJSC RusHydro were evaluated and prioritised in terms of risk level and status of implementation of risk management procedures with the aim of forming a risk-oriented internal audit plan for PJSC RusHydro for 2018.
- A survey of the internal control system of the business process "property management" and the business process of "interaction of JSC" RGS "with RusHydro Group companies within the framework of procurement activities".
- The project of a methodology for assessing the risks of information security of the Company was developed. Approbation of the methodology is planned for 2018.
- Regular monitoring of the implementation of measures to improve the internal control system of key business processes of PJSC RusHydro.

The list of strategic risks of RusHvdro Group

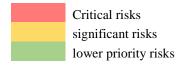
The Company annually composes the RusHydro Group's Strategic Risks Registry with the definition of risk owners. The registry is used both for the purposes of disclosure of information about risks to shareholders, rating agencies, the auditor and other interested parties, and for the purpose of further developing and monitoring the implementation of risk optimisation measures within the framework of RusHydro Group Strategy.

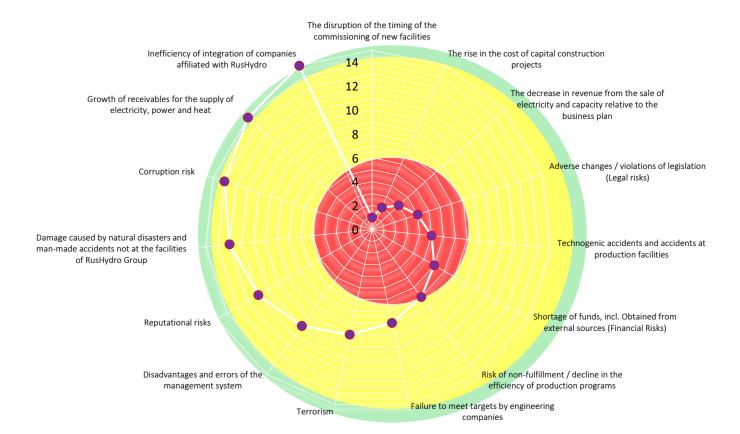
The priority of risks and opportunities is determined on the basis of their impact on key financial, environmental and social aspects of activities, taking into account the Company's strategic goals, development priorities and mission. (103)

The current list of strategic risks of RusHydro Group was drawn up by the Company's management and approved by the Company's Management Board in 2017.

The diagram presents RusHydro Group's strategic risks radar, taking into account their ranking by the likelihood of implementation and the impact on the business in accordance with the strategic risks registry of RusHydro Group.

Radar of strategic risks of RusHydro Group for 2017-2018.





Strategic risk management of RusHydro Group ¹⁷

- · · · · · · · · · · · · · · · · · · ·	Strategic risk management of Kusnyuro Group				
Priority of risk (Risk number in the registry / on the strategic risk radar)	Risk	Influence on KPI DPR Group RusHydro	Parties concerned	Key risk management activities	
			The economic asp	pect	
1	The disruption of the timing of the commissioning of new facilities (critical risk)	Direct: Implementation of capacity schedules and a plan for financing and development,% Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Indirect: Total shareholder return (TSR),%	Shareholders and investors Employees Federal authorities Regional authorities and local authorities Suppliers and contractors	Systematisation of data on projected objects: Development of a corporate project management system to systematise data on existing and projected facilities. Development of internal assessment of design and working documentation: Increasing the efficiency of the work of design institutes and procurement activities aimed at strengthening the role of its own design institutes in conducting internal assessment of project and working documentation; Regulation of activities for conducting internal assessment of project documentation. Control over the quality, timing and cost of work: maintaining a list of unscrupulous designers, participating in the	
2	The rise in the cost of capital construction projects (critical risk)	Direct: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Indirect: Total shareholder return (TSR),%	Shareholders and investors Employees Federal authorities Regional authorities and local authorities Suppliers and contractors	 selection of subprojectors; Keeping a registry of violations by contractors of deadlines for the performance of contractual obligations under contracts for the implementation of the new construction program and TP & R projects; Optimisation of the insurance and procurement system in terms of construction and installation activities (reducing the risk of project cost increase due to damage / destruction of the facility as a result of design and construction deficiencies and environmental impacts); Development of normative documents for the execution of certain types of work, the introduction of a system for the admission of personnel to perform such work with the possibility of personal suspension from the implementation of subsequent projects with the commitment of significant violations; Development of a quality control system for the supplied equipment (including the process of its production and shipment / delivery); Monitoring the progress of work on the creation of a network infrastructure Use of a system for supervising monitoring the timing and costs of new construction projects on the basis of the SAP IS IPS. In the materials for consideration of the investment programme for 2018-2023, the estimation of the profitability of investment projects of capital construction, taking into account risks, was carried out. 	

¹⁷ In the context of economic, environmental and social aspects of sustainable development.

3	The decrease in revenue from the sale of electricity and capacity relative to the business plan (critical risk)	Direct: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Indirect: Free cash flow (FCF) Total shareholder return (TSR),%	Shareholders and investors Employees Suppliers and contractors	 Tightening of requirements for contractors to comply with contract terms. Complaints and lawsuits. Improvement of the methodology and automation of the outlining of water scenarios. Participation in the coordination of the IRPP in interdepartmental working groups to establish the operating modes of the hydrosystems. Implementation of the Comprehensive Modernisation Programme. Preparation of proposals on introducing amendments to normative legal acts in the electric power industry. Interaction with the Federal Social Insurance Fund and Association "NP Market Council". Increase of the transparency of the business process of commercial dispatching.
6	Shortage of funds, incl. those received from external sources (financial risks) (significant risk)	Direct: Implementation of capacity schedules and a plan for financing and development,% Indirect: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Total shareholder return (TSR),%	Shareholders and investors Federal authorities Suppliers and contractors	 Maintaining sufficient level of cash and sustaining the availability of financial resources through the provision of credit lines. Implementing a balanced model of working capital financing through the use of short-term and long-term sources. Monitoring the compliance with credit agreements to prevent violations of the Company's financial covenants. Placement of temporarily available funds in short-term financial instruments (bank deposits). Conclusion of contracts with counterparties on "standard financial terms". Introduction of a methodology for managing interest and currency risks, taking into account the credit policy of PJSC RusHydro. Work to prepare flood zones for reservoirs of hydroelectric stations under construction at the expense of the federal budget and budgets of the constituent entities of the Russian Federation. Interaction with regional and federal executive authorities, in the field of tariff regulation, aimed at reducing the tariff gap in the Far East. Optimisation of costs (in accordance with the plan to increase the cost). Implementation of measures to sell non-core assets. In order to reduce the debt burden of RusHydro Holding, an additional issue of shares was carried out and a deal was concluded for the acquisition of 55 billion shares of the Company by VTB Bank (PJSC). Within the framework of the approved methodology for managing the Company's currency and interest rate risks, currency risks and interest rate risk are calculated annually to assess and form a reserve for currency and interest risks in the Company's budget.

7	Risk of non- fulfilment /	Direct:	Shareholders and	Prompt execution of claims and lawsuits on the facts of poor
	decline in the efficiency of production programmes (significant risk)	- Prevention of the number of accidents from exceeding the maximum value Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Implementation of capacity schedules and a plan for financing and development,% Indirect: Total shareholder return	investors Employees Suppliers and contractors	 Prompt execution of claims and lawsuits on the facts of poor quality of repairs, poor-quality equipment, and violation of delivery deadlines. Use of recommendations of the Analytical Centre in the creation of production programmes Monitoring data on the financial status of suppliers and contractors to prevent the risk of bankruptcy of the counterparty. Optimisation of the process of contract approval, introduction of changes to the Company's local regulations on contractual activities. Control of the implementation of technical re-equipment and reconstruction projects in accordance with the standards of the organisation.
8	Lack of achievement of targets by engineering companies (design, controlled companies institutes) (significant risk)	(TSR),% Direct: Integral Innovative KPI Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Indirect: Total shareholder return (TSR),%	Shareholders and investors Suppliers and contractors	 Creation of a single project facility of PJSC RusHydro through reorganidation of controlled design companies. Implementation of the programme for the development of controlled engineering companies. Conducting the repair and project training programs of international experience exchange. Staff development and training of scientific personnel. Development of standard sheets of the scope of work for the repair of equipment and hydraulic structures. Creation and maintenance of a database of advanced and innovative technologies. Minimisation of risks of ineffective management of non-core activities through its consolidation in specialised controlled service companies.
9	Terrorism (significant risk)	Direct: Prevention of the number of accidents from exceeding the maximum value Implementation of capacity schedules and a plan for financing and development,% Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Indirect:	Shareholders and investors Employees Suppliers and contractors Federal authorities Regional authorities and local authorities	 Provision of armed protection of facilities by forces of the private guards of Rosgvardia, FSUE "Okhrana" of Rosgvardia and FSUE "Departmental Security" of the Ministry of Energy of Russia. Developing and maintaining up-to-date plans for interaction with law enforcement agencies to protect the Company's facilities when committed or threatened to commit a terrorist act. Provision of on-site and in-site facilities on the territory of the Company's facilities. Carrying out measures along with law enforcement agencies identify, prevent and suppress acts of unlawful interference in the activities of the Company's facilities. Carry out an assessment of the most likely threats and develop plans for mitigation, together with the territorial bodies of EMERCOM of

10	Disadvantages and errors of the management system (significant risk)	Reducing operating costs (costs) Total shareholder return (TSR),% Direct: Implementation of capacity schedules and a plan for financing and development,% Proportion of purchases from small and medium-sized enterprises Indirect: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA),mn. rub. Total shareholder return (TSR),%	Shareholders and investors Employees Suppliers and contractors	Russia in the constituent entities of the Russian Federation at the location of the Company's facilities. Equipping facilities with engineering and technical means of protection. Organisation and control of the access to information on the composition and status of engineering and technical means of protection. Property insurance of the Company for the risk of "Terrorism and Sabotage". Increase in the share of equipment certified by FSTEC of Russia, and increase locally produced equipment. Conducting an audit of information and technical security. Control of access to the firmware of control systems and information systems. Protection of remote access to corporate information systems of the Company and implementation of work to ensure information security of virtual means, mobile and cloud services. Control over the implementation of VFIV directives. Monitoring, analysis, and control of document management procedures. Civil liability insurance of members of management bodies and officials of the Company before third parties and the Company. Using an automated procurement management system based on SAP. Coordination and control of work on the regulation of the activities of structural units and officials. Implementation of the Company's IT strategy. Maintenance of information systems of the Company. Improvement of the system of regulation of activities and management of business processes. PJSC RusHydro implements corporate management standards in newly acquired or newly created DO, as well as the introduction of management systems for organisational projects, grading of employees (grading - building a system of job levels, taking into account the
14	Growth of receivables for the supply of electricity, power and heat (significant risk)	Direct: Profitability of the share capital (ROE),% Income before interest, taxes	Shareholders and investors Federal authorities Suppliers and	assessment of the positions, strategy and corporate culture of the company), attestation of management personnel and fulfilment of individual employee development plans. Claims, execution of settlements outside the authorised credit institution at the Wholesale Electric Energy Market in accordance with the Agreement on accession to the wholesale market trading system.
	(8	and depreciation (EBITDA), mn. rub.	contractors	

		Indirect: Total shareholder return (TSR),%			
		· ,	ect		
4	Adverse changes / violations of legislation (Legal risks) (critical risk)	Direct: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Reducing operating costs (costs) Indirect: Total shareholder return (TSR),%	Shareholders and investors Consumers Employees Unions Federal authorities Regional authorities and local authorities Local communities Ecological organisations Mass media Suppliers and contractors	 Constant monitoring of initiated and reviewed changes in legislation, which in the future may have an impact on activities. Monitoring and revision of existing standards and regulations in the field of technical regulation. Participation of representatives of JSC RusHydro in measures to change legislation conducted by legislative, executive and judicial bodies, public associations, professional legal associations and associations. Regular conduct of environmental audits and implementation of the recommendations received. Participation in the activities of working groups of the Ministry of Energy of Russia on technical regulation (Subcommittee PK-4 "Hydroelectric power stations" of the Technical Committee TC 016 "Electric Power"), conducting claims and lawsuits. 	
5	Technogenic accidents and accidents at production facilities (critical risk)	Direct: Prevention of the number of accidents from exceeding the maximum value Indirect: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Reducing operating costs (costs) Total shareholder return (TSR),%	Shareholders and investors Consumers Employees Unions Federal authorities Regional authorities and local authorities Local communities Ecological organisations Professional communities and universities Mass media Suppliers and contractors Non-profit organisations	 Carrying out in full the repair work and the Technical Upgrade and Reconstruction Program. Development of a quality control system for the supplied equipment, including the process of its production and shipment / delivery, construction, installation and commissioning, as well as increasing the level of contractual responsibility of suppliers / contractors in the manufacturing and supply of equipment and materials. Complaints and lawsuits against unfair contractors / suppliers. Implementation of recommendations identified during the checkups of the facilities of JSC RusHydro. Tightening the control of contractors / subcontractors at production sites in terms of reducing injuries, fires, unethical behaviour, and theft. Development of normative and technical documents aimed at improving the quality of design and construction management processes. Introduction of modern methods for servicing equipment without stopping, modern technologies for managing production assets, including the necessary information technologies. Implementation of technical inspection of technical devices of hazardous production facilities, examination of industrial safety of technical devices of hazardous production facilities, buildings and structures at which dangerous production facilities are operated. Development of a life cycle management system for existing hydroelectric power plants. 	

12	Damage caused by natural	Direct:	Shareholders and	 Control by officials of the implementation of regulations, instructions, etc. when performing work on operations, maintenance, etc. In order to minimise errors at the design stage of the facilities, an analysis of the design documentation by the customer's specialists is set up, and the staff of the general designer is trained. Modernisation in accordance with latest requirements of the
	disasters and man-made accidents not at the Company's facilities (significant risk)	Prevention of the number of accidents from exceeding the maximum value Implementation of capacity schedules and a plan for financing and development,% Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub. Indirect: Reducing operating costs (costs) Total shareholder return (TSR),%	investors Consumers Employees Federal authorities Regional authorities and local authorities Ecological organisations Non-profit Organisations	centralised system emergency controlsystems. Implementation of measures for civil defence and the prevention of emergency situations. Research and development of methods for remote monitoring of the state of facilities and operating modes of HPPs. Compliance with the legislation of the Russian Federation in the field of industrial safety and the use of a system of production control operating on its basis. Property insurance of the Company.
			The social dimen	sion
11	Reputational risks (significant risk)	Direct: Profitability of investments of shareholders (TSR),% Indirect: Profitability of the share capital (ROE),% Income before interest, taxes and depreciation (EBITDA), mn. rub.	Shareholders and investors Consumers Employees Unions Federal authorities Regional authorities and local authorities Local communities Ecological organisations Professional communities and universities Mass media	 Compliance with the regulations on the implementation of information activities, the regulations on participation in public events, the Regulation on Disclosure of Information. Interaction with stakeholders in the main areas of the Company's activities, incl. through joint public events. Preparation of press releases on a regular basis with the official position of the Company on activities. Holding press tours and special events for the media.

13	Corruption risk	Indirect:	Shareholders and	• Implementation of a comprehensive automated system for
	(significant risk)	Profitability of the share	investors	monitoring the dissemination of information containing commercial
		capital (ROE),%	Consumers	secrets.
		Income before interest, taxes	1 2	Monitoring of employees' compliance with the Regulations on
		and depreciation (EBITDA),	Unions	Insider Information.
		mn. Rub.	mass media	• Restriction of the right of access to insider information for the
		Total shareholder return	Suppliers and	Company's employees.
		(TSR),%	contractors	Mandatory notification by insiders about transactions with
			Non-Profit	securities of the Company performed by them.
			Organizations	1 01

1.3.2 Information on possible circumstances objectively impeding the Group's activities

The risks associated with the geographical features of the regions include: the risk of loss (for example, the disruption of fixed assets) due to seismic activity, avalanches and mudflows, likely landslides and rain floods, as well as other unfavourable weather conditions (hurricanes, heavy snowfalls, frosts, etc.).

Most regions of the Group's operations are characterised by a developed transport infrastructure and are not subject to risks associated with the termination of transport links. At the same time, some generating assets are located in remote areas with harsh climate, including the Krasnoyarsk Region and parts of the Far Eastern Federal District. RusHydro Group is working to improve access to technologies and activities in severe climatic conditions in these territories. However, there can be no guarantee that additional costs will not be required to overcome the technical difficulties associated with the climate and the accessibility of these sites, which may have a negative impact on RusHydro Group's revenues, financial conditions, results of operations, and the subsequent prospects. In the foreseeable future, these risks are assessed as insignificant.

Terrorism

In the event of possible military conflicts, as well as threats of terrorist attacks on sites (including aggravation of international relations), there are risks of danger to the lives of personnel and the damaging of its fixed assets. The registration region and the main part of the Company's controlled companies business regions are characterised by a calm political environment. The probability of military conflicts, the introduction of a state of emergency in these regions is minimal, with the exception of the regions of the Russian Federation located near the border with Ukraine and in the North Caucasus Federal District. PJSC RusHydro is concerned about the possible risks associated with terrorist activity, including at facilities located in the North Caucasus. In connection with the possible exacerbation of the Georgian-Ossetian conflict, this risk may occur in the region of the Issuer's activities - in the Republic of North Ossetia-Alania. To mitigate these risks, a comprehensive programme to ensure the safety of the facilities of PJSC RusHydro is being implemented. Regular checks of the antiterrorist protection of the Company's controlled companies' facilities and training of personnel are carried out, inclusive of the conduct of antiterrorist exercises and training.

Armed protection of sites and facilities is carried out by units of extra-departmental protection of Rosgvardia, FSUE "Okhrana" of Rosgvardia and FSUE "Departmental security" of the Ministry of Energy of the Russian Federation. Plans for cooperation with law enforcement agencies on the protection of sites in the case of committing or the threat of committing a terrorist act have been developed. On the territory of the Group's facilities, access and intrabuilding access systems have been introduced. Together with law enforcement agencies, measures are taken to identify, prevent and suppress acts of unlawful interference in the activities of the Group's facilities. The most topical threats are assessed and the plans for mitigating the consequences are worked out jointly with the territorial bodies of the Ministry of Emergencies of Russia in the regions of the Russian Federation (at the location of generating assets). The main equipment of the Group is insured, including against terrorist acts.

According to the global risks report of the annual Global Economic Forum in Davos (Global Risks 2018), in 2018 there was a rise in the level of risk of terrorist attacks in the Russian Federation in comparison with 2017). Therefore, international experts do not currently place the risk of terrorist attacks in the group of key risks of the Russian business community - the risk of terrorist attacks ranks 7th in the ranking on the significance of risks to doing business in the Russian Federation¹⁸.

Seismic Hazardous Areas

Most of the Group's facilities are located in seismically quiet regions; however, such facilities as Pauzhetskaya GeoPP and Verkhne-Mutnovskaya GeoPP are located in an earthquake zone, with a possible earthquake magnitude of up to 9 on the Richter scale. In case of an earthquake, an emergency action plan has been developed, featuring constant monitoring of the situation, while seismic monitoring stations operate at the Company's facilities. Matters of transport links are worked out in advance considering the aforementioned risk, the scheme for the transportation of goods and people is optimised. All sites of the Group comply with the requirements of seismic standards.

Zone of seasonal flooding

¹⁸ ttp://reports.weforum.org/global-risks-2018/global-risks-of-highest-concern-for-doing-business-2018/#country/RUS

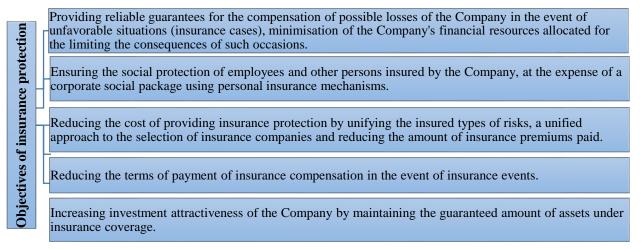
The risks of seasonal floods play an important role in the Group's operations and are included in the list of significant risks for the company. For their minimisation, water management is carried out, including forecasting and monitoring of hydrological regimes at the Company's facilities, regulation of reservoirs, construction and operation of spillways, and other measures.

To prepare for the spring-summer floods, flood commissions are created in the Company's branches. Their purpose is to ensure a trouble-free flood season.

The Group's facilities operate in accordance with the instructions of the interdepartmental working group under the Federal Agency for Water Resources.

1.3.3 Insurance coverage

Insurance coverage in RusHydro is based on the principles of rationing insurance protection system, optimisation of insurance coverage, unity of approaches to the organisation and continuity of insurance.



The choice of insurance companies and types of insurance cover

The choice of insurance companies is carried out on a competitive basis, taking into account the optimal ratio of the price and quality of insurance services. Requirements for the conditions of insurance coverage are laid out on the basis of an analysis of the current risk situation of the Company, analysis of offers in the insurance market, the corporate social policy, and legal requirements.

In 2017, the insurance protection of PJSC RusHydro and its subsidiaries was carried out in the main areas, including:

- property insurance;
- insurance of construction and installation risks;
- insurance of civil liability for causing damage due to shortcomings in construction work,
 preparation of project documentation and engineering check-ups;
- voluntary medical insurance;
- insurance against accidents and diseases;
- compulsory insurance of civil liability of the owner of a hazardous facility for causing damage as a result of an accident at a hazardous facility;
- transport insurance;
- cargo insurance;
- compulsory insurance of civil liability of the carrier for causing damage to life, health, property of passengers;
- civil liability insurance of officials and members of the Company's management bodies;
- general liability insurance of the Company.

RusHydro Group has strict requirements to the insurance of its assets (property insurance against all risks and insurance against construction and installation risks). As a result of limited resources of the insurance market in the Russian Federation, the Company puts forward additional requirements and controls the reinsurance of risks. The Group pursues a policy of openness towards representatives of the foreign insurance community: it

annually conducts engineering insurance inspections of the Company's facilities, negotiations, and execution of the reinsurers' recommendations.

Insurance of liability of members of management bodies

Within the framework of the requirements of Federal Law No. 223-FZ of 18.07.2011 "On Procurement of Goods, Works, Services by Individual Types of Legal Entities" and the Regulations on the Organisation of Insurance Coverage of PJSC RusHydro an open one-stage tender was conducted without preliminary qualifying selection for the right to conclude a liability insurance contract and financial risks of directors, officers, and the Company.

Based on the results of the competition, SOGAZ JSC was the top pick for the right to conclude an agreement on civil liability insurance of officials and members of the Company's management bodies in 2017, as an insurance organisation capable of providing the most reliable and fully-fledged insurance coverage for this type of insurance.

Insurance period is from 01/01/2017 to 31/12/2017. The insured amount is 2,011,536,000 rubles, which is equivalent to 30,000,000 US dollars at the rate of the Central Bank of the Russian Federation as of July 31, 2016, the total additional insurance for independent directors is 134,102,400 rubles, which is equivalent to 2,000,000 US dollars at the CBR rate as of 31.07.2016.

The insurance contract covers:

- property interest of insured persons related to the obligation to reimburse losses incurred by other persons;
- the property interest of the company and (or) any subsidiary company associated with the compensation of any losses by such a company;
- the property interest of the company and (or) any subsidiary associated with the obligation to reimburse the losses incurred by other persons.

1.4 Markets

RusHydro Group companies operate with electricity and capacity in the wholesale electricity and capacity market, as well as in retail markets - the electricity market and the heat energy market (102-6).

1.4.1 Position in the industry

The main factors affecting the state of the industry:

- GDP growth rates, which determine the demand for electricity and require the schedules of its consumption,
- the level of investment in the creation of new capacities;
- legislative framework that determines the payback of projects in the energy sector, the sources and structure of the investment portfolio of energy companies, the level of competition, etc.;
- level of state stimulation of the development of separate types of generation;
- state of the basic production assets of the enterprises of the industry;
- socio-economic climate in the country;
- availability of capital markets, including credit resources;
- level of payment discipline of electricity consumers.

 RusHydro Group's share in the market

Competitive advantages

- Environmentally friendly. Hydraulic resources are a renewable and the most environmentally friendly source of energy, the use of which allows to reduce emissions of thermal power plants into the atmosphere and to preserve hydrocarbon fuel reserves.
- <u>High maneuverability</u> it is the hydroelectric power plants that are most maneuverable and capable of significantly increasing production volumes in a matter of minutes, covering peak loads.
- Absence of a fuel component in the cost price of production independence from changes in prices for energy carriers and as a result the possibility of long-term guarantees of the price for consumers.

	Electricity			Power		
Year	RF production	Development of the Group*	Share	Installed capacity of Russian power plants	Total installed capacity of the Group's power plants	Share
	mn kWh	mn kWh		MW	MW	
2015	1,049,900	127,350.9	12.13 %	243,200	38,652.0	15.89 %

2016	1,071,800	138,810.0	12.95 %	244,100	38,868.1,,	15.92 %
2017	1,073,700	140,285.6	13.07 %	246,900	39,036.5	15.81 %

^{*} Data are given taking into account the PJSC "Boguchanskaya HPP" (a joint venture of PJSC RusHydro and UC RUSAL), taking into account the HPP-2 of PJSC KamGEK, without taking into account the HPP-1 and HPP-3 of PJSC KamGEK located in trust management.

In the Russian electricity generation market, RusHydro holds leading positions: the main competitors are independent Russian energy companies established following the reform of JSC RAO UES of Russia.

The main competitors of RusHydro Group*

№	Company	Installed capacity according to Company data, GW
1.	OOO Gazprom Energoholding	39
2.	PJSC "Inter RAO"	33
3.	State Corporation Rosatom	28
4.	JSC EuroSibEnergo	20
5.	PJSC "T Plus" (IES)	16
6.	PJSC "Unipro" (formerly E.ON Russia)	11
7.	PJSC "Enel Russia"	9
8.	Siberian Generating Company LLC	8
9.	JSC "Tatenergo"	5
10.	OJSC Fortum	5
11.	PJSC "LUKOIL"	4
12.	PJSC "Quadra-Power Generation"	4
13.	HBC "SIBEKO", HBC "Biyskenergo"	3
14.	OJSC "TGC-2"	3
15.	OJSC «TGC-16	2
16.	PJSC "TGC-14"	1

^{*} without taking into account the capacities used by the companies - consumers of electricity for their own production needs

Analogical companies abroad

№	Company	Installed capacity, GW
1	China Three Gorges Corporation (China)	69
2	Eletrobras (Brazil)	47
3	Hydro-Québec (Canada)	37
4	U.S. Army Corps of Engineers (USA)	20
5	Statkraft (Norway)	19
6	Edelca (Venezuela)	15
7	US Department of Reclamation	15
8	BC Hydro (Canada)	12

In 2011, PJSC RusHydro acquired a 90% stake in the Sevan-Hrazdan HPP cascade with a total capacity of 562 MW of installed capacity in the Republic of Armenia. Thus, entering the electricity market of Armenia, PJSC RusHydro gained a significant share of this market.

Generation facility	type	Installed capacity, MW	Generating companies
Hrazdan CHP	CHP	800.0	OOO RazTES
Hrazdan Block-5	CHP	460.0	CJSC Gazprom Armenia Hrazdan-5
Armenian Nuclear Power Plant	NPP	440.0	"Armenian NPP" CJSC
Vorotan cascade of hydroelectric power stations	HPP	404.2	ContourGlobal (CGHC)
Yerevan Thermal Power Plant	TPP	237.5	"Yerevan CHP" CJSC

Dzoraget hydroelectric power station	HPP	26.5	CJSC Dzor hydroelectric power station
Small hydropower plants	HPP	413.3	Disparate owners

1.4.2 Market Overview

Electricity and capacity market

The electricity and capacity market in the Russian Federation is divided into wholesale (WECM) and retail (REM) markets. According to the requirements of the law, all owners of power generation (capacity) facilities with an installed capacity of over 25 MW, sell electricity (power) only on the Wholesale Electric Capacity Market. Stations with a capacity below 5 MW operate only on REM, stations from 5 to 25 MW can sell electricity (capacity) on both markets.

Participants in the wholesale electricity and capacity market are: generation companies, electricity export / import operators, energy sales organisations, electric grid companies (in terms of acquiring electricity to cover transmission losses), large-scale consumers. The wholesale electricity and capacity market operates in price and non-price zones. The first price zone includes the territories of the European part of Russia and the Urals, the second - Siberia. In non-price zones (Arkhangelsk and Kaliningrad regions, the Komi Republic, regions of the Far East) wholesale trade in electricity (capacity) is carried out according to special rules (4-sided contracts). The rules of the retail electricity market are enforced on the territories of the country which are not categorised in price and non-price zones,

For some zones of the Far East, there is a special allowance, which is collected in the first and second price zones of the WECM. This premium is aimed at reducing tariffs in the Far East to the average Russian level. PJSC RusHydro is appointed by the Government of the Russian Federation to collect and transfer such allowance to the Far East.



Price and non-price zones of WECM

1 - First price zone; 2 - Second price zone; 3,4,5 - Non-price zones and isolated energy systems.

WECM including the Far East Region

There are several sectors that differ in terms of transaction and delivery terms in the WECM:

- regulated contracts (RC),
- quadrilateral agreements,
- day-ahead markets (DAM),
- balancing markets (BM),
- free electricity and / or capacity purchase and sale agreements (FCEM, FCE),
- free bilateral contracts for the sale of electricity (FBC),

- competitive capacity auctions (CCA),
- purchase and sale agreements for the capacity of new nuclear and hydroelectric power stations (including pumped storage power plants) (DPMs) put into operation,
- bilateral agreements in non-price zones (BA in NPZ).

In the United Energy Systems of the East (UES of the East), a wholesale market model with a single purchaser is implemented. Electricity and capacity suppliers sell electricity and capacity at the tariffs set for them to a single purchaser. Buyers of the wholesale market purchase electricity and capacity from a single buyer at prices calculated by the Commercial Market Operator (CMO), on the basis of indicative prices set for the buyers of FAS Russia.

In accordance with clause 170 of the RF Government Decree No. 1172 of 27.12.2010, the functions of a single purchaser are assigned to an energy sales organisation created as a result of the reorganisation of joint-stock companies of power and electrification functioning in the indicated territory and supplying to the retail market more than half of the volume of electric energy consumed in the territory of the Far East. This organisation is PJSC "FEEC" - a guaranteed supplier in the territories of the Amur Region, the Jewish Autonomous Region, the Khabarovsk and Primorye Territories. The total supply volume of PJSC "FEEC" in the retail market is more than 85% of the power consumption of the UES of the East.

Retail electricity markets including the Far Eastern Federal District

Work on REM in price zones is carried out under free bilateral contracts with consumers provided for by the rules of the retail market. Tariff regulation in this sector of the market is absent. Electricity is sold at a contract-based market price.

Within the retail electricity markets, electricity is sold in the wholesale electricity and capacity market, as well as electricity generated by generating companies that are not participants in the wholesale market. In the territories of the constituent entities of the Russian Federation, united in non-price zones of the wholesale market, when determining the prices for electricity supplied to retail markets to end-users, the principles of wholesale-to-retail market prices mark-up are applied. The wholesale-to-retail market prices mark-up is carried out with respect to all final consumers, with the exception of the population and equivalent categories of consumers.

Electricity supply to the population and to equivalent categories of consumers is carried out at regulated prices (tariffs) established by the executive authority of the region (the territorial entity) of the Russian Federation in the field of state regulation of tariffs. In addition, there are regions in the territories of which only the retail market operates - isolated power systems of the Kamchatka Region, the Magadan Region, the Chukotka Autonomous Region, the Western and Central regions of the Republic of Sakha (Yakutia) and the Sakhalin Region that do not have technological links with the unified energy system of the country. Because of absence of a free market in the territories of isolated power systems, the sale of electricity to all categories of consumers is carried out at 100% regulated prices approved by the executive authorities of the regions of the Russian Federation in the field of state regulation of tariffs in the territory of which these power systems are located. Tariffs for stations of isolated RRE zones are established by regional authorities in the field of tariff regulation (hereinafter referred to as the Regulator), in accordance with the developed methods of the Federal Tariff Service of Russia:

- Decree of the Federal Tariff Service of Russia No. 20-e / 2 of 06.08.2004 (method of economically justified costs);
- Decree of the Federal Tariff Service of Russia No. 275-e / 4 of 05.07.2005 (indexing method).

The choice of the method of regulation is proposed to the regulated organisation, but always remains at the discretion of the Regulator.

Performance on WCEM 2017

Dynamics of average tariffs and required gross revenue (RGR) for electricity generation

2016		2017		Growth 2017-2016		Growth rate	
Average Selling Tariff	RGR	Average selling price	RGR	Average selling price	RGR	Average selling price	RGR

	rubles / thousand kWh	thousand rubles.	rubles / thousand kWh	thousand rubles.	rubles / thousand kWh	thousand rubles.	%	%
Wholesale market, including:	385.07	27,599,273	385.82	29,742,086	0.75	2,142,812	100.20	107.76
RD	342.91	21,499,283	340.67	23,049,819	-2.24	1,550,536	99.35	107.21
Centre	443.61	17,813,595	444.96	18,784,145	1.36	970,550	100.31	105.45
Siberia	148.40	3,275,236	151.51	3,780,045	3.11	504,809	102.10	115.41
Caucasus	873.01	410,452	978.26	485,630	105.26	75,178	112.06	118.32
NZP 19	679.49	6,099,990	709.88	6,692,266	30.39	592,276	104.47	109.71
Far East	679.49	6,099,990	709.88	6,692,266	30.39	592,276	104.47	109.71

Reasons for tariff increase on the Wholesale Electric Capacity Market:

- indexation of tariffs;
- increase in tax rates for the use of water bodies without water usage for the purposes of hydropower (in accordance with the Tax Code of the Russian Federation for 2017, tax rates are applied taking into account the coefficient of 1.52);
- increase in the prices of DPM in 2017 for previously introduced hydroelectric power plants the facilities of the PDM. The main reason for the increase is the higher average yield of long-term government liabilities.

Sales volumes of electrical energy and capacity at the WECM by generating companies (price and non-price zones) for 2017

Tune of cools						
	Type of goods	2016	2017	Change, %		
PJSC RusHydro	Electricity, million kWh	95,960.9	96,324.8	0.38		
	Power, MW	21,663.6	21,644.8	-0.09		
JSC "FEGC"	Electricity, million kWh	20,065.82	21,245.22	5.88		
	Power, MW	5,591.06	5,629.64	0.69		
DISC "Mobile Energy"	Electricity, million kWh	143.07	98.97	-30.82		
PJSC "Mobile Energy"	Power, MW	121.09	121.97	0.73		
Total	Electricity, million kWh	116,169.79	117,668.99	1.29		
Total	Power, MW	27,375.75	27,396.41	0.08		

PJSC RusHydro, PJSC "DGC", PJSC "Mobile Energy" are represented in the wholesale market as generating companies, The total volume of electricity sales on the Wholesale Electric Energy Market in 2017 amounted to 117,669 million kWh; compared with 2016, sales grew by 1.29%. The total volume of capacity sales on the Wholesale Electric Capacity Market in 2017 was 27,396 MW; compared to 2016, sales grew by 0.08%.

Structure of sales of electricity and capacity in the markets of power plants RusHvdro Group*

Index	2016	2017	Change, %
Sales volume, million kWh,	116,449.4	117,940.3	1.3 %
Including:	41,348.9	43,244.6	4.6 %
under regulated contracts	65,871.4	66,880.3	1.5 %
on the day ahead market	5,687.7	5,061.3	-11.0 %

¹⁹ The indicators are reflected only in the part of the Bureyskaya and Zeyskaya HPP.

Index	2016	2017	Change, %
on the balancing market	3,261.7	2,482.8	-23.9 %
under free bilateral agreements	279.6	271.3	-3.0 %
on the retail market	27,375.7	27,396.4	0.1 %
Power, MW	13,383.4	13,796.3	3.1 %
under regulated contracts (capacity)	11,380.7	5,110.9	-55.1 %
as a result of competitive selection	2,487.2	8,210.9	230.1 %
under free bilateral agreements	124.4	278.3	123.6 %

^{*} The data are given taking into account the retail market

Electricity

The increase of 1.3% in the volume of electricity sales by power plants for the reporting period in comparison to the indicators of 2016 is due to the following factors:

- 4.6% increase in the sales under regulated contracts is due to a change in the binding of volume and value indicators between counterparties for the RC for 2017 in comparison to 2016 and the growth in sales volumes under 4 third-party contracts at NPZ WECM;
- 1.5% increase in the volume of electricity sales on the day-ahead market is due to a corresponding increase in the generation of electricity at HPPs in price zones;
- 11.0% decrease in electricity sales in the balancing market is due to the regulatory instructions of the System Operator to ensure reliable operation of the UES;
- 23.9% decrease in the volume of electricity sales under free bilateral contracts was due to a decrease in sales volumes under bilateral agreements in the non-price zone of the Wholesale Electric Capacity Market because of a decrease in the production of non-price zones compared to 2016;
- 3.0% decrease in the volume of electricity sales in the retail market was due to a 4.5% decrease in the sales of Nikolaevskaya CHPP in comparison to the values of 2016 and partially offset by an increase in the inflow and, accordingly, the electricity generation by small HPPs in the North Caucasus region.

Capacity

The 3.1% increase in the sales of capacity by RC is due to the change in the binding of volume and cost indicators between counterparties for the RC for 2017 in comparison to 2016.

The conclusion of free bilateral contracts for the purchase and sale of capacity (an increase of 230.1%) is due to the need to improve payment discipline in the Wholesale Electric Energy Market. As a result of the conclusion of the SDM, the share of non-payers for the capacity sold through the competitive power take-off mechanism has been reduced, thereby increasing the overall level of payment for the delivered capacity.

The increase in sales of capacity by SD FCEM led to a 55.1% decrease in sales volumes in the CCA due to the actual redistribution of capacity between FCEM and CCA.

The 123.6% increase in the volume of capacity sales within the framework of capacity contracts was primarily due to the lifting of restrictions on the delivery of capacity at the Gotsatlinskaya HPP as part of the Dagestan branch, as well as the commissioning of the Zelenchukskaya HPP-PSPP in the Karachaevo-Cherkessk branch.

The prices for the sale of electricity and capacity on the Wholesale Electric Power Market (price and non-price zones) by generating companies of RusHydro Group

	Type of goods	2016	2017	Change, %
DICC DucHydro	Electricity, rubles / MWh	805.7	818.8	1.6 %
PJSC RusHydro	Power, rubles / MW per month.	141,684.4	251,766.6	77.7 %
IGG HERGON	Electricity, rubles / MWh	1,307.1	1,367.9	4.6 %
JSC "FEGC"	Power, rubles / MW per month.	247,272.4	258,105.2	4.4 %
PJSC "Mobile Energy"	Electricity, rubles / MWh	1,880.9	1,938.6	3.1 %
PISC Mobile Energy	Power, rubles / MW per month.	235,379.8	235,593.4	0.1 %
Total	Electricity, rubles / MWh	893.6	918.9	2.8 %
10tai	Power, rubles / MW per month.	163,663.5	252,997.1	54.6 %

The average selling price of electrical energy on the Wholesale Electric Energy Market in 2017 was 918.9 rubles / MWh; compared to 2016, the price growth was 2.8%. The average selling price of power on the Wholesale Electric Energy Market in 2017 was 252,997.1 rubles / MW per month; compared with 2016, the price increase was 54.6%. The sharp increase is due to a surcharge on the price of capacity²⁰ in the price of CAA.

The prices for the sale of electricity and capacity on the energy markets of power plants by the group of companies of RusHvdro

Index	2016	2017	Change, %
Prices (tariffs)			
Average output price for electricity (capacity), rubles / MWh	1,369.2	1,638.8	19.7 %
Electricity, RUB / MWh,	907.5	933.5	2.9 %
including:	566.7	623.9	10.1 %
under regulated contracts (e / e)	1,081.7	1,096.6	1.4 %
on the day ahead market	1,088.4	1,066.3	-2.0 %
on the balancing market	898.9	967.4	7.6 %
by free two-party-ed contracts	6,664.7	7,296.8	9.5 %
to the retail market	163,664.1	252,997.1	54.6 %
Power, RUB / MW per month,	174,299.3	181,225.4	4.0 %
including	140,498.0	574,900.3	309.2 %
under regulated contracts (capacity)	115,348.8	118,185.7	2.5 %
as a result of competitive selection (KOM)	2,104,833.0	1,876,756.7	-10.8 %

The 10.1% increase in the price (tariff) of the sale on RC, taking into account the sale of 4-party contracts in NPZ WECM, is due to the indexation of regulated tariffs and the magnitude of the positive cost imbalance in NZP in the reporting period.

The 2.0% decrease in selling prices on the BR is due to the redistribution of the volumes of electricity sold by the hour of the day due to the regulatory instructions of SO UES, which, when the indicator was averaged, led to its rejection.

In 2016, the sale of the FBA was carried out only in the NPZ WECM. In 2017, in addition to the supply of BAs to the NCP, sales were made in the first price zone of the Wholesale Electricity Market at a price close to the DAM, which far exceeded the maximum possible selling price of hydroelectric power in the NPZ (no higher than the double tariff for electricity in accordance with the OPEC Rules). Accordingly, the average selling price for the SDA in 2017 increased by 7.6% in comparison to 2016.

The 9.5% increase in the price of electricity sold to the REM is due to the actual redistribution of the volumes of electricity sold between HPPs of the REM relative to the planned indicators, incl. during the reporting period, as well as by the hour of the day, and a corresponding increase in the transmission prices of the guaranteed suppliers, as well as an increase in the tariff for the electricity supplied by the Mykolayiv TPP. The rate for energy at the stations of MPP Kazym and MPP Urengoy PJSC "Mobile Energy", approved by a

The rate for energy at the stations of MPP Kazym and MPP Urengoy PJSC "Mobile Energy", approved by a decree of FAS Russia dated 16.11.2016 No. 1692/16, supplying to the WECM in a forced mode, for the second half of 2017 saw an increase of 4.8% and 3.7% to the first half of 2017 for MPP, respectively. No significant tariff growth in power has been detected.

Proceeds from the sale of electricity and capacity at WECM (price and non-price zone) by RusHydro Group of companies, RUB mn.

Company	Type of goods	2016	2017	Change, %
PJSC RusHydro	Electricity	77,313.5	78,867.1	2.0 %
	Power	36,832.7	65,393.2	77.5 %
	Total power + power.	114,146.2	144,260.4	26.4 %

²⁰ Federal Law No. 508-FZ of December 28, 2016 "On Amendments to the Federal Law" On Electric Power Industry "introduced an addition to the price for capacity in the I and II price zones, due to which tariffs in the Far East will be reduced to a basic level determined by the Government of the Russian Federation.

JSC "FEGC"	Electricity	26,228.9	29,061.4	10.8 %
	Power	16,590.2	17,436.5	5.1 %
	Total power + power.	42,819.1	46,497.9	8.6 %
PJSC "Mobile Energy"	Electricity	269.1	191.9	-28.7 %
	Power	342.0	344.8	0.8 %
	Total power + power.	611.1	536.7	-12.2 %
	Electricity	103,811.5	108,120.4	4.2 %
Total	Power	53,764.9	83,174.5*	54.7 %
	Total power + power.	157,576.4	191,295.0	21.4 %

^{*} The revenue from the sale of capacity in the amount of the premium is reflected in the consolidated financial statements of RusHydro Group under IFRS deducted with the amount of free-of-charge targeted contributions to the budgets of the constituent entities (regions) of the Russian Federation.

The total sales of electricity and capacity on the Wholesale Electric Energy Market in 2017 amounted to 191,295.0 million rubles; compared to 2016, revenue growth was 21.4%.

Revenues from sales of electricity and capacity on energy markets by generating companies of RusHydro Group, mn rubles.

Index	2016	2017	Change, %
Cost indicators			
Revenues for electricity and capacity, total	159,519.9	193,357.0	21.2 %
Wholesale market, including	157,576.4	191,295.0	21.4 %
Electricity, including	103,811.5	108,120.4	4.2 %
under regulated contracts (e / e)	23,432.9	26,981.6	15.1 %
on the day ahead market	71,256.1	73,340.0	2.9 %
on the balancing market	6,190.5	5,397.1	-12.8 %
by free two-party-ed contracts	2,932.1	2,401.8	-18.1 %
Power, including	53,764.9	83,174.5	54.7 %
under regulated contracts (capacity)	27,992.5	30,002.9	7.2 %
as a result of competitive selection (KOM)	19,187.6	35,259.1	83.8 %
under free bilateral agreements	3,442.7	11,644.9	238.2 %
other kinds of power purchase and sale	3,142.1	6,267.6	99.5 %
Electricity supplied to the retail market	1,863.5	1,979.8	6.2 %
Reactive power control services (JI services)	79.9	82.2	2.8 %
Net revenue for electricity (capacity)	152,340.2	186,186.4	22.2 %
Purchase Costs			
purchased power	7,161.7	7,159.7	0.0 %
purchased capacity	18.0	10.9	-39.6 %
total costs	7,179.7	7,170.6	-0.1 %

Net revenue from the sale of electricity (capacity) increased by 22.2% compared to the level of 2016 due to the following factors:

- receiving a premium to the price of capacity,
- growth in sales volume by FBC
- 3.8% growth in the price of DAM in the second price zone,
- 1% increase of output 1
- indexation of tariffs in markets with regulated pricing.

Name	2016, mn kWh	2017, mn kWh	Deviatio n % (net supply)	Reasons
PJSC "Krasnoyarskenergosb yt"	13,580	12,540	-9 %	The main impact on the decline in output in 2017 relative to the previous year was the output of large consumers in the WECM, in accordance with the corporate strategy. The following factors influenced the growth of volumes in the "Population" group: - high rates of newly introduced housing; - temperature factor.
PJSC RESC	2,711	2,661	-2 %	Reasons for the decline: - withdrawal in 2017 to the wholesale market of an energy-intensive enterprise - LLC Guardian Steklo Ryazan, a decrease of 49.6 million kWh; - a significant reduction in electricity consumption by JSC Mezhregionenergosbyt, a decrease of 22.8 million kWh; - reduction of losses for grid companies acquiring electricity to compensate for losses in their networks, a decrease of 18.6 million kWh.
JSC Chuvash Energy Sales Company	3,274	3,320	1 %	The increase is due to the increase in the consumption of the population and the growth of average weighted unregulated prices transmitted from the wholesale electricity (capacity) market for consumers in the retail electricity market.
JSC ESC RusHydro	2,360	2,186	-8 %	The decrease is due to the cancellation of contracts with consumers in the Republic of Bashkortostan in the 4th quarter of 2017. At the same time JSC ESC RusHydro concluded contracts with new customers in other constituent entities of the Russian Federation
Total PJSC RusHydro (without controlled companies and Subgroup RAO ES of the East	21,925	20,707	-6 %	

Tariffs for electricity and electricity concessions in the Far Eastern Federal District

Activities in the non-price and isolated zones of the Far Eastern Federal District are carried out at tariffs set by the state federal executive bodies (FTS of Russia - until July 21, 2015, after July 21, 2015 - FAS Russia) and executive authorities of the regions of the Russian Federation in the field of state regulation of tariffs hereinafter - regional regulating bodies), in accordance with the pricing principles and the rules of state regulation of tariffs for electrical and thermal energy in the Russian Federation. Prices in the Far Eastern Federal District are not market-based.

Federal Law No. 190-FL of July 27, 2010 "On Heat Supply" sets out the main principles for regulating prices (tariffs) in the sphere of heat supply and the authority of regulators in the field of regulating prices (tariffs) in the sphere of heat supply. The basic principles, methods of regulation, as well as the procedure for calculating and approving tariffs for thermal energy are defined in Resolution of the Government of the Russian Federation No. 1075 of October 22, 2012 "On Pricing in the Sphere of Heat Supply."

When approving tariffs, regulators adhere to the following methods of tariff regulation

- tariffs for electrical energy (power) to JSC "FEGC", supplied in non-price zones WECM, are approved by Decree of FAS Russia of 08.12.2016 No 1736/16, calculated by indexing;
- tariffs for electricity transmission services for FEDC JSC (except for the South Yakutsk Electric Networks branch), are approved by using the RAB method;
- Sales increase for the PJSC "FEEC" in accordance with the Guidelines for calculation of sales mark-ups for guaranteed suppliers, approved by Decree of the Federal Tariff Service of Russia of 30.10.2012 No 703-e;
- Electricity tariffs for the end user in an isolated area using the method of economically justified costs;

Dynamics of average tariffs for electricity supplied to consumers, kopecks / kWh

	2016	2017	Change, %
Isolated zone	605.27	658.17	8.7
PJSC "Yakutskenergo"	614.73	680.85	10.8
PJSC "Kamchatskenergo"	572.28	641.73	12.1
PJSC "Magadanenergo"	457.70	523.65	14.4
PJSC "Sakhalinenergo"	520.08	526.35	1.2
Chukotenergo JSC	980.47	1,091.99	11.4
JSC "SENK"	2,438.58	2,419.34	-0.8
Non-price zone (tariffs for the zone of PJSC DEK)	296.89	318.97	7.4
Primorsky Krai	312.13	333.05	6.7
Khabarovsk Region	329.90	343.33	4.1
Amur Region	258.14	278.21	7.8
Jewish Autonomous Region	232.13	319.02	37.4

The average increase in tariffs for electricity delivered to end users by RAO ES of the East JSC in an isolated zone in 2017 grew by 8.7% to the level of 2016. The minimum increase in tariffs was 1.2% for PJSC "Sakhalinenergo", the maximum - 14.4% for PJSC "Magadanenergo". With a decrease of 0.8%, the average tariff rate for JSC "SENK" is set, which is due to the adjustment of expenditures - "falling income", "excess income", and the increase in output is 1.7% compared to 2016.

The decrease in electricity sales volumes under free bilateral contracts by 29.1% was due to a decrease in sales volumes for Bilateral Contracts in the non-price zone of the Wholesale Electric Energy Market because of a decrease in the production of non-price zones by 2016.

In the territory of the non-price zone of the WECM, from 01.07.2016 onwards, no numerical values of tariffs for other consumers are established. The growth of tariffs in the non-price zone of the Wholesale Electric Energy Market was 4.1% to 37.4%.

Dynamics of average tariffs for electricity production in isolated areas

Isolated areas of the Retail Market ²¹	2016	2017	growth rate
	RUB/thousand kWh	RUB/ thousand kWh	%
Geotherm JSC	2,695	2,715	100.71
JSC "Pauzhetskaya GeoPP"	6,395	6423	100.44
Frishter Yu.I. Kolyma HPP	1,032	1,203	116.60
Kolyma Electric Networks	2,040	2,372	116.25
PJSC "KamGEK"	3,355	4,027	120.01

In 2017, according to the objects of the REM, which produces electricity (power) at HPPs, GeoPPs and regulated by the method of economically justified costs, growth was achieved above the deflator index.

Electricity supply in the retail market and sales to consumers

	2016, mn kWh	2016, mn RUB*	2017, mn kWh	2017, mn RUB*	Deviation% (net supply)	Deviation% (revenue)
Total for the Subgroup of RAO ES of the East	32,309.1	127,027.0	31,495.2	116,046.6	-2.5	-8.6

^{*} including VAT 18%

In comparison to 2016 there was a decrease in the supply of electrical energy. This was influenced by the change in electricity consumption by the companies of PJSC "FECC" and PJSC "Yakutskenergo".

Main reasons:

- decrease in the output for grid companies acquiring electricity in order to compensate for losses,
- the transition of a part of consumers from the retail electricity market to the wholesale market.

²¹ Indicators for JSC Geotherm, JSC Pauzhetskaya GeoPP, PJSC KamGEK, PJSC Kolymaenergo.

Structure of the net supply of electricity in the Far East*

Consumer group	Electric	Energy
	Revenues, mn RUB	share%
Network organisations that purchase electricity to compensate	9 462 2	
for losses	8,463.3	7.3
Industry	21,943.9	18.9
Transport and communications	5,176.7	4.5
Agriculture	1,398.0	1.2
Enterprises financed by the federal budget	6,424.9	5.5
Enterprises financed by the local (regional) budget	5,112.2	4.4
OPP	7,758.1	6.7
Housing and utilities	11,136.9	9.6
Population, on direct calculations	23,124.1	19.9
UK, HOA, HBC	4,986.8	4.3
Other	20,521.7	17.7
Total	116,046.6	100.0

^{*} including VAT 18%

Reflection of the premium to the price of capacity. Changes in legislation in 2017

Federal Law No. 508-FL of December 28, 2016 and No. 129-FL of June 30, 2017 "On Amendments to the Federal Law" On Electric Power Industry "introduced a surcharge to the price for capacity in the I and II price zones, due to which tariffs in the Far East were reduced to the national average.

This change provides for the application of a surcharge to the price of capacity sold by the Company in the price zones of the wholesale electricity and capacity market, with the subsequent transfer of funds received as a result of the application of this allowance to the budgets of constituent entities of the Russian Federation such as a part of the Far Eastern Federal District in the form of targeted contributions.

As part of the introduction of a mechanism for bringing prices (tariffs) for electricity (power) to consumers of the Far Eastern Federal District, with the exception of the population, a number of by-laws have been adopted to the basic levels (Decree of the Government of the Russian Federation No. 895 of July 28, 2017; Decree No. 1614 of the Government of the Russian Federation of July 28, - r, Decree of the Government of the Russian Federation of July 28, 2017 No. 1615-p), after the enforcement of which, consumers (industrial consumers) of the five regions of the Far East (isolated systems: the Republic of Sakha (Yakutia), Magadan Region, Chukotka Autonomous District, Kamchatka Territory, Sakhalin area) already in 2017 received tariffs for electricity aligned to the average Russian level (the base level). The base level of prices (tariffs) for electricity (power) by the decree of the Government of the Russian Federation for 2017 is set at 4.00 rubles / kWh. The current average tariff for industrial consumers in the above-mentioned territories in the current year is from 4.7 rubles / kWh. up to 11.3 rubles / kWh.

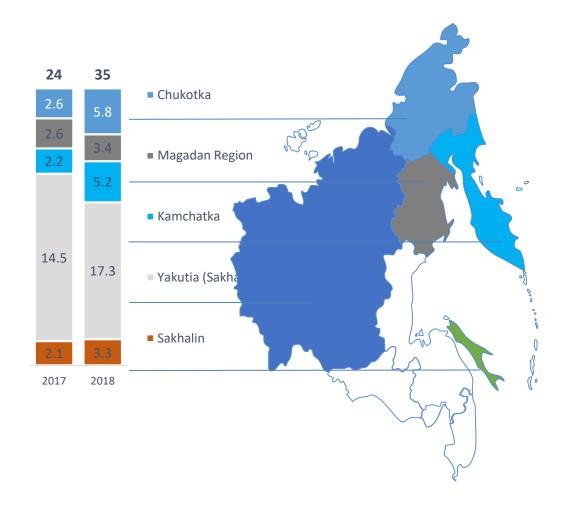
As part of the implementation of the mechanism to bring prices to the basic level in the Far East, in accordance with the decision of the Government for 2017, the surcharge for 2017 is determined at the amount of 23,995.28 million rubles.

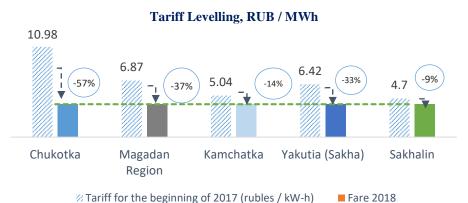
Work is underway to formulate proposals for changing the tariff regulation in respect of tariffs for electricity (capacity), which are currently established by the method of economically justified expenditures. This work is carried out with the aim of introducing long-term methods of regulation that ensure the preservation of the effect obtained by optimising costs and improving the efficiency of energy companies and getting a return on capital (profitability) when implementing new investment projects.

Levelling tariffs in the Far Eastern Federal District. Impact on regions and RusHydro Group

In 2017, the mechanism was introduced in five of the nine regions of the Far Eastern Federal District, in which the average tariff for electricity for consumers was above 4 rubles / kWh.

Amount of extra charge, bn rubles.





The reduction of tariffs does not lead to a decrease in revenues, as it is completely compensated by subsidies allocated from budgets, which are paid at the expense of the surcharge to the price of CCA. The total amount of subsidies received by guaranteed suppliers - enterprises included in the Group (within the Decree of the Government of the Russian Federation of 07/28/2017 No. 895), amounted to 17,254 million rubles. In addition, other subsidies received by the RusHydro Group amounted to 15,491 million rubles. (201-4). The situation with accounts receivable will improve as a result of replacing a part of the proceeds from consumers with direct subsidies from regional budgets.

Heat energy market

In the heat generation market, RusHydro Group is represented through the activities of the Subgroup RAO ES of the East, as well as through the activities of the Bureyskaya and Zeyskaya HPPs.

The supply of heat energy is carried out centrally from thermal power plants and boiler houses operated by power systems. At the same time, a number of power systems are engaged to supply thermal energy, carrying out activities for the production and distribution of thermal energy, others - only carry out activities for the production of thermal energy.

The implementation of thermal energy, in accordance with the legislation of the Russian Federation, is a fully regulated type of activity.

Federal Law No. 190-FL of July 27, 2010 "On Heat Supply" sets out the main principles for regulating prices (tariffs) in the sphere of heat supply and the authority of regulators in the field of price (tariff) regulation in the heat supply sphere. The basic principles, methods of regulation, as well as the procedure for calculating and approving tariffs for thermal energy are defined by Russian Government Decree No. 1075 of 22.10.2012 "On Pricing in the Sphere of Heat Supply".

The prices (tariffs) for thermal energy sold by energy companies for all consumer groups are approved by the executive authorities of the regions of the Russian Federation in the field of state regulation of prices (tariffs) within the limits of tariff levels approved by the FAS.

Dynamics of tariffs for thermal energy in The Far East

Name	2016	2017	2017/2017
	RUB / GCal	RUB / GCal	2017/2016
Branch of PJSC "RusHydro" - "Bureyskaya HPP" **	701.29	708.63	1.0 %
Branch of JSC "RusHydro" - "Zeyskaya HPP" **	797.68	821.41	3.0 %
JSC "FEGC"	1,397.31	1,450.80	103.8 %
Amur Region	806.86	856.79	106.2 %
Primorsky Krai (Primorskaya Generation, PTS)	1,689.95	1,767.85	104.6 %
Primorsky Territory (LuTEK)	1,268.54	1,328.28	104.7 %
Khabarovsk Territory (Khabarovsk Generation, HTSK)	1,287.44	1,339.78	104.1 %
Volochaevskaya Boiler-house	1,503.88	1,909.15	126.9 %
The Jewish Autonomous Region (Birobidzhan TPP)	1,896.37	1,929.28	101.7 %
Republic of Sakha (Yakutia) Neryungrinskaya State District Power Station	1,867.96	1,980.23	106.0 %
Isolated zones:	3,200.64	3,312.29	103.5 %
PJSC "Yakutskenergo"	1,452.32	1,620.14	111.6 %
PJSC "Kamchatskenergo"	5,029.23	5,459.45	108.6 %
PJSC "Magadanenergo"	4,029.84	4,203.02	104.3 %
PJSC "Sakhalinenergo" *	848.26	826.66	97.5 %
JSC Chukotenergo *	3,339.38	3,546.96	106.2 %
JSC "YUESK"	13,042.15	13,599.96	104.1 %
Sakhaenergo JSC	9,323.52	10,384.74	111.4 %
JSC "Teploenergoservis"	5,444.32	5,359.91	98.4 %

^{*} PJSC "Sakhalinenergo", JSC "Chukotenergo" carry out the release of heat energy from collectors to wholesale consumers-resellers.

The growth of tariffs for thermal energy produced in the mode of combined generation of electrical and thermal energy by heat energy sources with an installed generating capacity of electrical power production of 25 MW or more is limited to the minimum and maximum tariff levels approved by the FAS Decree No. 1646/16 of November 21, 2016.

Starting from 2016, tariffs for heat energy supplied by heat supply organisations to other consumers are not limited to the maximum level of tariff growth, and the growth of tariffs for heat energy for the population is limited by the index of changes in the amount of utility payments paid by citizens for the constituent entities of the Russian Federation, 11/19/2016 No. 2464-r.

According to the zone of activity of JSC "DGK" as a whole, the increase in the average tariff was 3.8%, including a minimum growth of 1.7% for the Jewish Autonomous Region, and a maximum of 26.9% for the Volochaevskaya Boiler House in the Khabarovsk Territory.

In the isolated zone as a whole, the increase of average tariffs for thermal energy supplied to end-users amounted to 3.5%. The minimum increase in tariffs was 4.1% for JSC "YUESK", the maximum - 11.6% for PJSC "Yakutskenergo". According to PJSC "Sakhalinenergo", the average delivery rate was set at 2.5% lower than the approved one for 2016, which is due to the adjustment of costs for individual aspects of expenditure, incl. dropping incomes, without taking into account that the increase in tariff for 2017 as compared to 2016 is 1.0%.

Sale of thermal energy in the Far East*

		Ü				
	2017* thousand GCal	2017** mn rubles.	2016* thousand GCal	70116**	Deviation % (useful leave)	Lieviation %

^{**} It supplies thermal energy produced by electric boiler houses.

Total for DFO	22,717.2	46,228.5	23,661.1	46,447.1	-4 %	-0,3 %
* A useful vacation for consumers of thermal energy ** Revenues including VAT 18%						

The following factors influenced the decrease in the useful supply of heat energy in comparison with 2016:

- higher average monthly temperatures of outdoor air during the heating season of 2017,
- application of energy saving technologies, installation of metering devices.

Structure of the supply of thermal energy in the Far East

Congumer group	Thermal energy	
Consumer group	Revenues*, mn rubles	Share
Industry	1,615.5	3.5 %
Agriculture	228.3	0.5 %
Federal budget	2,243.9	4.8 %
Regional, local budget	5,175.2	11.2 %
Heat supply, housing construction cooperative, Management		
Companies	5,905.5	12.8 %
Population	21,723.3	46.9 %
Heat supply organisations	4,865.1	10.1 %
Other	4,531.7	9.8 %
Total	46,288.5	100.0 %

^{*}including VAT 18%

1.5 Company on the securities market

1.5.1 Authorised capital

The authorised capital of PJSC RusHydro (as of December 31, 2017)

Authorised capital, RUB	Number of ordinary shares, pcs.	Nominal 1 share	Declared ordinary shares in accordance with the Charter, pcs.	State registration number of the issue	Date of state registration of the issue
426,288,813,551	426,288,813,551	1 ruble	14,013,888,828	1-01-55038-E	22.02.2005

Information on the Company's shares

- The existence of a special right to participate in the management of society ("golden share") this right is not provided for
- At the request of the executive bodies, there is no information on the existence of ownership interests in shares exceeding five percent, in addition to those already disclosed by the Company²²,
- The number of the Company's voting shares, broken down by categories (types) of shares: 426,288,813,551 ordinary registered shares.
- There are no own shares at the Company's disposal.
- The Company did not place preferred shares or ordinary shares with different par value
- There are 3,852,267,925 shares under the control of the Company, which is 0.9% of the Company's authorised capital²³.

Number of shares in the possession of controlled companies by the Company

Controlled company	Number of shares, pcs.	Share in authorized capital		
Zaramagskiye HPP JSC	271,302,097	0.063642		
LLC Index of Energy - HydroOGK	1,571,912,023	0.368743		
LLC EZOP	1,858,179,291	0.435897		
ChirkeyGESstroy JSC	29,205,310	0.006851		
JSC "RAO ES of the East"	48,520,232	0.011382		
PJSC "FEEC"	73,093,031	0.017146		
PJSC "Yakutskenergo"	55,941	0.000013		

Information on changes in the authorised capital in 2017

In November 2016, the Board of Directors of the Company decided to increase the authorised capital by 40,429 million rubles by placing additional shares through open subscription. The decision on the additional

issue of shares was registered by the Bank of Russia on 07.12.2016, the additional issue was assigned the registration number 1-01-55038-E-042D.

In January-March 2017, 40,033,348,661 additional shares were placed, including 40 billion shares in the interest of VTB Bank (PJSC)²⁴. The

Nature of ownership: JSC RusHydro is an amalgamated Russian property with a share of federal ownership. (102-5)

report on the results of the additional issue was registered by the Bank of Russia on 05.06.2017. The individual number (code) of this issue was cancelled on September 7, 2017. Changes in the Charter of the Company in terms of increasing the authorised capital and reducing the number of announced shares were registered by the tax authorities on 04.08.2017.

1.5.2 Shareholders

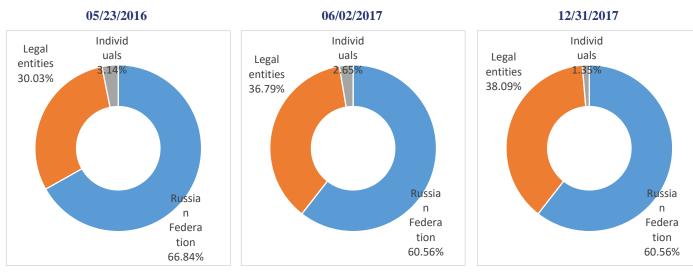
²² See request here <u>http://www.rushydro.ru/investors/stockmarket/capital/</u>

²³ The shares of the Company belonging to the controlled entities of JSC RusHydro did not participate in voting at the annual General Meeting of Shareholders held on June 26, 2017

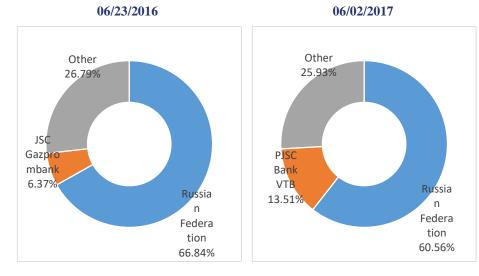
²⁴ For more details, see subsection "Refinancing of the Debt of the Subgroup RAO ES of the East"

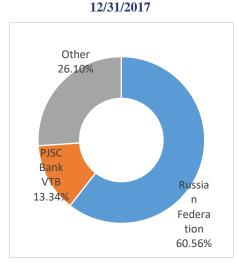
The Company's shareholders constitute about $35^{25}0$ thousand Russian and foreign investors. The Russian Federation owns a controlling stake of 60.6%.

Change in the structure of share capital by category of shareholders



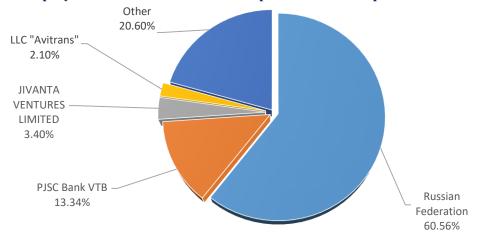
Changes in the range of shareholders who have the right, directly or indirectly, to dispose of not less than 5% of the votes attributable to the voting shares of the Company (% of the authorised capital)





²⁵ The Russian Federation (federal property) owns the Company's shares through the Federal Agency for State Property Management (258,161,535,606) and through the Federal State Unitary Enterprise "Information Telegraph Agency of Russia (ITAR-TASS)" (248,527).

Shareholders of the Company whose share in the authorised capital is more than 2 percent as of December 31, 2017



Shares free-float *

date	The coefficient of free-float (the share of securities in free float)
The last trading day of 2015	0.34
The last trading day of 2016	0.23
The last trading day of 2017	0.25

^{*} In accordance with the methodology for calculating the coefficient of free-float, approved by the PJSC Moscow Stock Exchange 26.

1.5.2 Circulation of shares

Shareholders of PJSC RusHydro may enter into shareholder agreements, including those providing for the receipt by any shareholder of the degree of control disproportionate to their participation in the share capital²⁷.

Information on received notifications about concluded share agreements by PJSC RusHydro

Parties to the shareholder agreement	Date
- The Russian Federation represented by the Federal Agency for State Property Management	03/07/2017
- VTB Bank (PJSC)	
- The Russian Federation represented by the Federal Agency for State Property Management	06/23/2016
- The controlled companies of PJSC RusHydro: JSC Hydroinvest ²⁸ , LLC "EZOP", LLC	
"Index of Energy - HydroOGK"	

The circulation of PJSC RusHydro shares on the Russian market

Shares of PJSC RusHydro are included in the first-level quotation list and have been traded on the Moscow Stock Exchange (formerly the MICEX Stock Exchange) under the ticker HYDR since 2008, and since March 2013 the Company's shares have been admitted among the first on the Russian stock market to trading in the T system +2 with partial collateral and deferred execution of transactions.

The company's shares are components of the most important indices of the stock market, such as the Moscow Stock Exchange, RTS, MICEX, Power, RTS - Power, MICEX BMI, the index of shares of companies with state co-ownership (SCI), MICEX, and international: MSCI Russia, FTSE All World Emerging Europe.

Results of trading in stocks on the stock market

	2015	2016	2017
Trading mode	T + Shares and DRs	T + Shares and DRs	T + Shares and DRs
Currency of trades		RUB	
Maximum transaction price	0.679	0.994	1.100
Minimum transaction price	0.496	0.575	0.717

²⁶ http://www.moex.com/ru/index/MICEXINDEXCF/constituents/

²⁷ Information on the possibility of acquisition or acquisition by a certain shareholder of the degree of control disproportionate to their participation in the authorised capital of the Company, including on the basis of shareholder agreements or due to the availability of ordinary and preference shares with different nominal value, see http://www.rushvdro.ru/upload/iblock/65a/Svedeniva-o-vozmozhnosti-priobreteniva-stepeni-kontrolva.pdf

see http://www.rushydro.ru/upload/iblock/65a/Svedeniya-o-vozmozhnosti-priobreteniya-stepeni-kontrolya.pdf

28 As of 07.03.2017, JSC Hydroinvest ceased to be a shareholder of the Company, and the aggregate share of OOO EZOP LLC and LLC Index of Energy - HydroOGK in the Company's authorised capital decreased to 0.8% due to the alienation of shares in the interest of VTB Bank (PJSC).

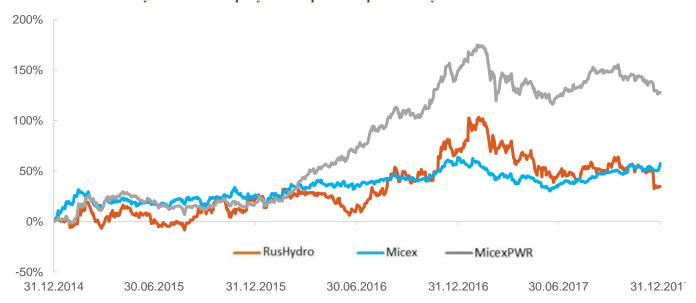
Transaction price at the end of the year	0.679	0.926	0.729
Trading volume, pcs.	116 bn	134 bn	173 bn

A source: http://moex.com/

Dynamics of the value of Company's shares and the volume of trading



Dynamics of Company's share price compared to key indices for 2015-2017



A source: http://moex.com/

During the period from 2015 to 2017, the value of RusHydro's shares increased by 34%, the Moscow Stock Exchange index (formerly the MICEX index) increased by 47%, the branch indicator of the Power Industry of the Moscow Stock Exchange grew by 127%.

2015

In 2015, the MICEX index added 26%, the MICEX index Electric power industry - 18%, RusHydro shares increased by 25%. Support for the Russian market as a whole was provided by the improvement of the attitude of global investors to the assets of emerging markets amid the persistence of a soft monetary policy of the world's leading central banks and the expectation of a recovery of the Russian economy in the medium term. An additional positive factor for RusHydro's shares was the continuation of the liberalisation of the sale of the capacity of Siberian hydroelectric power stations, the results of KOM, the increase in electricity prices in the second price zone, the introduction of new capacities by the Company, and the Company's efforts to improve the financial profile of RAO ES of the East.

2016

In 2016, the MICEX index added 27%, the MICEX index Electric power industry - 110%, RusHydro shares increased by 36%. Support for the Russian market as a whole was provided by the expectations of the recoveryof the Russian economy and the strengthening of the ruble exchange rate in the second half of the year. The growth of RusHydro's shares was promoted by high dividend payments, the completion of the liberalisation of the sale of the capacity of the Siberian hydroelectric power stations, as well as the strong operating results of the hydrogenerating segment against the background of rising water availability. In addition, a positive factor for the shares were measures to optimise operating and investment costs, making decisions on refinancing the debt of the RAO ES East Subgroup by raising equity financing in the amount of 55 billion rubles from VTB Bank (PJSC) with the conclusion of a forward contract; consolidation of the stake in RAO ES of the East in order to bring the ownership to 100%. An additional factor of growth was the Company's implementation of large assets for a total of more than 15

2017

In 2017, the MOEX index decreased by 6%, MICEX Index Electric power industry by 8%, RusHydro's shares fell by 21%. Pressure on the Russian market as a whole was a result of geopolitical risks, including discussion of the introduction of new sanctions by the US, as well as general decrease of interest in Russian companies by global investors amid tightening of monetary policy in the US and volatility in oil prices.

For most of the year, the dynamics of RusHydro's shares corresponded to the general market. At the end of the year, an additional negative pressure on shares came following the information on the decision of the Board of Directors of RusHydro to temporarily suspend construction of the Zagorskaya PSHPP-2.

Company's market capitalisation *, mn rubles.

Reporting period	Value	Trader on the securities market
2015	257,787	CJSC "MICEX Stock Exchange" **
2016	356,166,	PJSC Moscow Stock Exchange
2017	309,656,	PJSC Moscow Stock Exchange

Source of information - the official website of PJSC Moscow Stock Exchange: http://moex.com/s26

Circulation of shares on the international market

The number of shares traded outside the Russian Federation in the form of ADR and GDR as of December 31, 2017 is 18,650,555,600 shares, which is 4.38% of the Company's charter capital.

Holders of GDRs and ADRs as of 31.12.2017

Type of program	Program start date	Depository Bank	Ratio	Ticker symbol	Number on December 31, 2017, pcs.	Trading platforms
GDR by Rule	17.06.2008	The Bank of New	1 GDR = 100	HYDR	78,273	London
144A		York Mellon	ordinary shares			Stock
			-			Exchange
						(Main
						Market -
						IOB)
ADR Level 1	07.08.2009	The Bank of New	1 ADR = 100	HYDR	186,427,283	OTCQX
		York Mellon	ordinary shares			

Results of the sale of depositary receipts on the LSE

	2015	2016	2017
Ticker		HYDR	

^{*} Market capitalisation is calculated as the product of the number of shares of the corresponding category (type) by the market price of one share, disclosed by the trader .

^{** 12/19/2016} CJSC "MICEX Stock Exchange" ceased its activities by reorganization in the form of a merger with PJSC Moscow Stock Exchange.

Currency of trades	USD		
Maximum transaction price	1.305	1.57	1.81
Minimum transaction price	0.697	0.75	1.20
Transaction price at the end of the year	0.956	1.455	1.20
Trading volume, pcs.	182 million	188 million	175 million



1.5.3 PJSC RusHydro Dividend Policy

The main objective of the Company's dividend policy is to ensure the strategic development of PJSC RusHydro and the growth of the well-being of its shareholders through the establishment of an optimal balance between dividend payments to shareholders and capitalisation of profits.

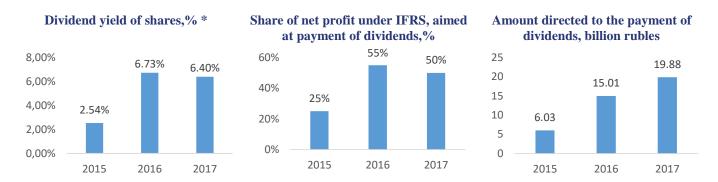
To ensure transparency in determining the amount of dividends and their payments to PJSC RusHydro there is a Regulation on dividend policy approved by the decision of the Board of Directors of PJSC "RusHydro" (Minutes No. 195 of March 28, 2014). The Board of Directors provides its recommendations on the amount of the dividend for approval by the General Meeting of Shareholders, based on the net profit figure determined in accordance with the consolidated financial statements of RusHydro Group for International Financial Reporting Standards and Russian Accounting Standards, and the Company's need for financing the investment program., No less than 5% of the profit for the period determined in the consolidated financial statements of RusHydro Group under IFRS can be channelled for the payment of dividends for the fiscal year (http://www.rushydro.ru/investors/dividends/).

In accordance with the Development Strategy of RusHydro Group for the period until 2020, with possibility to prolong it until 2025, the share of net profit allocated for dividend payment is at least 50%. In this regard, the Company will strive to ensure a high level of dividend yield to its shareholders.

Report on the payment of declared (accrued) dividends on the Company's shares for 2016

According to the decision of the annual General Meeting of Shareholders dated June 26, 2017, 19,875,502,787.41 rubles (47.5% of net profit under RAS or 50% of RusHydro's net profit under IFRS) were allocated to pay dividends for 2016. As of December 31, 2017, payments were made in full to all shareholders, with the exception of 61,722,074.31 rubles, which were not paid for reasons beyond the control of the Company (the Company or registrar (or nominee holder) did not have exact address data or bank details required for dividend payments).

The company fulfilled its obligations to transfer dividends to the federal budget in full - for the amount of 12,036,652,516.86 rubles. There is no debt on the payment of dividends to the federal budget.



^{*} The dividend yield of shares is calculated on the date of making a decision on the amount of annual dividends as the ratio of annual dividends paid per share and the median value of market prices of this share for the reporting year. (dividends - PJSC Moscow stock exchange, http://moex.com).

Dividend history for 5 years preceding the reporting year

The reporting period for which dividends were paid on shares	Total amount of declared (accrued) dividends, thousand rubles	The amount of declared dividends per share, rubles
2012	3,675,573	0.00955606
2013	5,248,250	0.01358751
2014	6,032,750	0.01561855
2015	15,011,046	0.038863
2016	19,875,503	0.0466245

1.5.4 Bonds

As of December 31, 2017 ten issues of bonds of PJSC RusHydro with a total nominal value of 85.0 bn rubles are in circulation. (volume in circulation is 61.02 bn rubles).

Main parameters of bond issues

C 1	4 6 1			D 1 C		т 1	hr. 1	Б 1
General parameters of releases		Bonds of	Bonds of series		Exchange-	Exchange-	_	
			series 01	07 and 08	series	traded bonds		traded bonds
			and 02			of series		of the series
								BO-P05
						P02, BO-P03	BO-P04	
Type of	Documentary		4-01-	4-07-55038-E	4-09-55038-E	4B02-01-		4B02-05-
bonds	interest-bearing		55038-E	4-08-55038-E		55038-E-		55038-E-001P
	non-convertible to	registration	4-02-			001P	001P	
	bearer with	number	55038-E			4B02-02-		
	mandatory					55038-E-		
	centralised custody					001P		
						4B02-03-		
						55038-E-		
						001P		
Nominal	1,000 rubles	Date of	23.09.2010	27.12.2012	27.12.2012	03.07.2015	01.04.2016	09.06.2017
		registration						
Nominal	Series 01 - 10 bn	Date of	25.04.2011	14.02.2013	28.04.2015	08.07.2015	07.04.2016	16.06.2017
volume of	rubles.	placement /						
each issue	Series 02 - 5 bn					-		
	rubles.	Date of						
	Series 07, 08, 09 to	offer /	22.04.2016	13.02.2018	27.10.2017			
	10 bn rubles. each				21.04.2023			
	Series BO-P01,	Maturity						
	BO-P02, BO-P03 -	date	12.04.2021	02.02.2023	15.04.2025	04.07.2018	04.04.2019	12.06.2020
	5 bn rubles each.							
	each							
	Series BO-P04 - 15							
	bn rubles.							
	Series BO-P05 - 10							
	bn rubles.							
Placement	100 %	Coupon	1-10	1-10 coupons -	1-5 coupons -	1-6 coupons -		1-6 coupons -
price		rate	coupons -	•	12.75% per	*		8.2% per
			8.0% per	annum,	annum,	annum	10.35% per	annum
			annum,				annum	

			11-20 coupons - 9.5%	11-20 coupons - the rate is determined by the issuer				
Placement type	Open subscription, bookbuilding	Yield of primary placement	8.16 %	8.68 %	13.16 %	12.20 %	10.62 %	8.37 %
Frequency of coupon payment	2 times per year	the price	Series 01 - 8.07% Series 02 - 7.71%	Series 07 - 7.14% Series 08 - 8.53%	Series 09 - 7.88%		Series BO- P04 7.37%	Series BO-P05 7.71%



1.6.1 Tasks of international activity

The main objectives of RusHydro Group in international operations are to attract RusHydro's investment projects, innovative technologies and equipment to the projects of RusHydro Group, as well as to expand the Company's presence in foreign markets, taking into account the many years of experience in the design, construction, and operation of energy facilities.

RusHydro Group strives to ensure that cooperation with foreign partners is long-term, mutually beneficial, at the same time it corresponds to the geo-strategic interests of the Russian Federation.

Main directions of international activity:

- representation of RusHydro Group and Russian energy interests on the political, industrial, and business stage;
- Cooperation with foreign electricity companies and producers of power equipment in the field of joint production of hydroelectric equipment, modernisation of existing HPPs, service maintenance;
- cooperation with intergovernmental and international organisations, industry and business associations;
- attracting foreign investment in RusHydro Group projects;
- promotion of RusHydro's engineering services in the field of hydropower and renewable energy on foreign markets;
- exchange of experience, innovations and new technologies in hydro and heat power engineering, renewable energy sources, heat supply;
- monitoring of processes occurring in the world energy sector.

In the conduct of international activities, the Company is guided by the following principles:

- Mutual benefit and transparency of joint activities;
- Long-term cooperation;
- Providing affordable after-sales service when acquiring modern foreign technologies and foreign equipment;
- Preparation of integrated solutions taking into account the peculiarities of the Russian electricity market;
- Increasing economic efficiency.

1.6.2 International partnership

RusHydro Group's partners are the world's largest generating and engineering companies, as well as manufacturers of power equipment.

Together with the Japanese companies Mitsui & Co, Ltd, KOMAIHALTEC Inc, Kawasaki Heavy Industries, NEDO, we are exploring opportunities for the joint implementation of projects in the field of development of wind, geothermal, and hydrogen energy. As part of the comprehensive modernisation of RusHydro's generation assets in the Russian Far East, we cooperate with international producers of power equipment.

The cooperation with Voith Hydro on the project of localisation of production and modernisation of equipment of hydroelectric power plants of RusHydro is continuing.

In 2017, RusHydro's project organisations carried out work on the execution of contracts for the provision of engineering services for the construction of nuclear power facilities in Turkey and India. In 2017, a number of new contracts for the provision of engineering services were concluded within the framework of hydroelectric projects in Uzbekistan and Laos.

Since 2011, RusHydro has owned a 90% stake in CJSC IEC, which owns seven hydroelectric power stations in the Sevan-Hrazdan cascade with an installed capacity of 561 MW on the Hrazdan River (one of the main electricity producers in the Republic of Armenia). Within the framework of the policy of reconstruction and technical re-equipment of the Cascade stations conducted by RusHydro, the reconstruction of Yerevan HPP-1 was completed with upgrading the maximum capacity of the station to 50 MW.

1.6.3 Interaction with international organisations

In the reporting year the Company concluded a number of agreements with the largest foreign energy corporations on cooperation and implementation of joint projects.

The agreements signed by JSC RusHydro in 2017

Agreement	Direction of cooperation	Benefits
Memorandum of Understanding between	Cooperation in the field of joint development	Opportunities to attract
Mitsui & Co, Ltd, KOMAIHALTEC Inc,	of strategic cooperation for the	investments and advanced
PJSC RusHydro and the Government of the	implementation of a wind power project using	foreign technologies
Chukotka AO for a wind power project in	technologies of the Japanese counterparty in	
the village of Lawrence in the Chukotka	the village of Laurentia.	
Autonomous Okrug - 09/07/2017		
Memorandum of Understanding between	Cooperation in the field of joint development	Opportunities to attract
Mitsui & Co, Ltd, KOMAIHALTEC Inc,	of cooperation on the construction of	investments and advanced
PJSC RusHydro and the Government of the	additional capacity of a wind power plant in	foreign technologies
Kamchatka Krai for the construction of	the village of Ust-Kamchatsk.	
additional capacity of a wind farm in the		
village of Ust-Kamchatsk in the Kamchatka		
Territory - 09/07/2017		
Agreement on cooperation between	Cooperation and joint implementation of the	Opportunities to attract advanced
Kawasaki Heavy Industries, Ltd, PJSC	project in the field of liquefied hydrogen	foreign technologies
RusHydro and the Government of the	production.	
Magadan Region in the field of hydrogen		
energy - 06.09.2017		
Declaration of Intent between the New	Implementation of energy infrastructure and	Opportunities to attract
Energy and Industrial Technology	testing of Japanese equipment, including wind	investments and advanced
Development Organization of Japan	power plants, in the Arctic climatic conditions	foreign technologies
(NEDO), the Government of the Republic	in the village of Tiksi in the Republic of Sakha	
of SAKHA (Yakutia) and PJSC RusHydro	(Yakutia).	
for the implementation of a demonstration		
project for the construction of a wind farm		
in the village of Tiksi 06/09/2017		
Memorandum of Understanding and	Establishment of cooperation in the field of	Promotion of RusHydro's
Cooperation between JSC RusHydro and	hydropower on the basis of RES and the	engineering services in the field
JSC "Uzbekhydroenergo" (Uzbekistan) in	development of a generation facility based on	of hydropower and renewable
the field of hydropower - 11/16/2017	the energy of water flows, the exchange of	energy on foreign markets.
	data, experience, discussions on the	
	production of equipment for hydroelectric	
	generators for small and micro HPPs.	

RusHydro takes part in the work of intergovernmental commissions on trade, economic, scientific, and technical cooperation between Russia and other countries with the subsequent establishment of working contacts with foreign business partners.

The company develops cooperation within the framework of the work of international governmental and public organisations and integration associations, including the Eurasian Economic Union in the work with the Eurasian Economic Commission, the CIS Electric Power Council, the Asia-Pacific Economic Cooperation Organization, the Shanghai Cooperation Organization, the BRICS, and others.

PJSC RusHydro is an active participant in major international forums, exhibitions and conferences on the topics of hydro and heat power engineering, renewable energy sources, and heat supply.

In 2017, RusHydro acted as a partner of the Eastern Economic Forum, which is a reputable platform for establishing and strengthening relations with foreign partners, especially from the APR countries, and attracting investors to projects for the development of the energy infrastructure of the Far East. Equally crucially, another traditional

Representatives of RusHydro Group work in committees and working groups of a number of non-profit partnerships and international organisations, of which the Company is a member, including:

- The Global Partnership for Sustainable Energy (Global Sustainable Electricity Partnership),
- International Hydropower Association,
- The International Commission on Large Dams (International Commission on Large Dams),
- The World Energy Council,
- Russian-Chinese Business Council.

platform for RusHydro's presence is the St. Petersburg International Economic Forum.

CHAPTER 2. RESULTS OF ACTIVITIES

2.1 Financial Results²⁹

RusHydro Group demonstrated high financial results in 2017. They reflected the consistent management efforts aimed at optimizing all controllable operating expenses of the Group, the process of integration of the Subgroup RAO ES of the East and the sales of large assets, which did not affect the GRES RusHydro's Group core business.

Created and distributed direct economic value, million rubles. (201-1)

	RusHydro Group			
	2017	2016		
Created economic value	383,191	413,076		
Income from operating activities, less any impairment loss on receivables	342,162	366,939		
Government grants	32,745	17,250		
Income from interest on loans and dividends received	9,550	16,625		
(Costs)/ Income from the sale of assets	(1,266)	12,262		
Distributed economic value	300,391	333,590		
Operating costs	190,681	208,550		
Salary and other benefits to employees	74,390	71,768		
Payments to Capital Providers *	10,430	28,917		
Payments to States	23,666	23,491		
Investing in Communities	1,764	864		
Undistributed economic value	82,260	79,486		

^{*} Data for 2016 take into account the dividends declared for 2016 in June 2017. Dividends for 2017 were not declared by the date of issue of this report.

2.1.1 Key financial indicators

Profit indicators

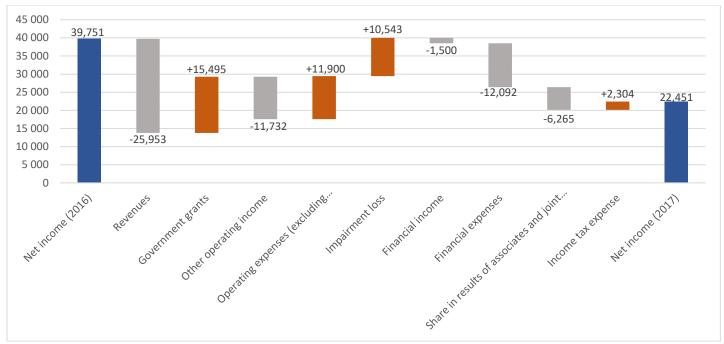
Tiont mulcators					
	2015	2016	2017	Change 2017/2016	Plan 2018
EBITDA, mn rubles	73,383	100,341	104,038	+ 3 697	-
EBITDA margin *,%	19.8	24.9	27.3	+ 2.4 p.p.	25.3 %
Net profit, mn rubles	27,159	39,751	22,451	-17,300	-
Net profit margin,%	7.3	9.8	5.9	-3.9 p.p.	-
Net profit for one share, rubles	0.0865	0.1095	0.0596	-0.0499	-
Profitability of assets (ROA),%	2.9	4.0	2.2	-1.8 p.p.	4.1 %
Return on equity (ROE),% ³⁰	4.5	6.3	3.3	-3.0 p.p.	6.4 %

 $^{* \ \} Calculation \ of \ indicators \ was \ made \ taking \ into \ account \ other \ incomes.$

Change in net profit, million rubles

²⁹ In this section IFRS data is represented

³⁰ The indicator was calculated in accordance with the methodology for calculating and evaluating key indicators of PJSC RusHydro, approved by the decision of Board of Directors (Minutes No. 229 of December 25, 2015).

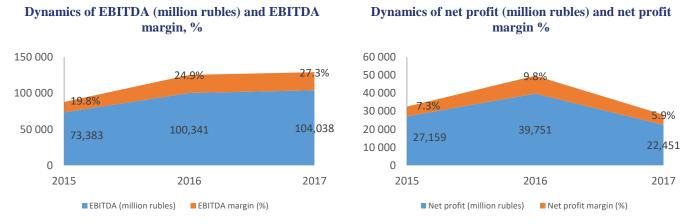


, Net profit of RusHydro Group in 2017 has fallen by 43.5% and amounted to 22,451 million rubles. The adjusted net profit in the reporting period amounted to 62,702 million rubles, or 2.6% lower than the same indicator in 2016. Excluding LLC ESCB, the comparable indicator of adjusted net profit for 2017 remained at the level of 2016.

The following substantial non-cash items (excluding the income tax effect) primarily explain the difference between reported and adjusted net profit for 201&:

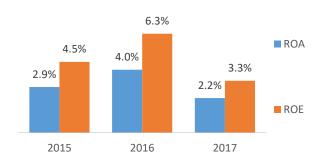
- Recognition of a loss from economic impairment of fixed assets in the amount of 24,000 million rubles,
 mainly in relation to JSC Yakutskaya GRES-2 and PJSC Yakutskenergo due to the insufficiency of tariff
 revenue in the framework of the tariff decisions that do not provide a full return on invested capital;
- Recognition of a financial expense in the amount of 13,946 million as a result of a change in the fair value of a non-deliverable forward for shares due to decline in the market price of shares of PJSC RusHydro in the reporting period;
- Recognition of an impairment loss of accounts receivable of 5,957 million as a result of an analysis of overdue accounts receivable and an estimation of the probability of its repayment.

In addition, the change in net profit and the adjusted net profit for 2017 compared to 2016 was due to the fact that by the end of 2016 RusHydro Group recognized a one-time revenue from the sale of dams of Bratskaya, Ust-Ilimskaya and Irkutskaya HPPs for the amount of 7,202 million rubles, as well as income from the sale of LLC ESCB for the amount of 3,048 million rubles, and insurance compensation for Zagorskaya PSHPP-2 for the amount of 1,737 million rubles.

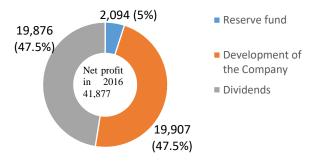


The net profit margin target for 2018 is 11.7%

Return on assets and return on equity, %



Distribution of the profit, million rubles (% from net profite) *



* Net profit is indicated in accordance with RAS. Net profit was not allocated to funds, other than the reserve fund. The entire amount allocated to the "Development of the Company" is related to the implementation of investment programs of RusHydro Group.

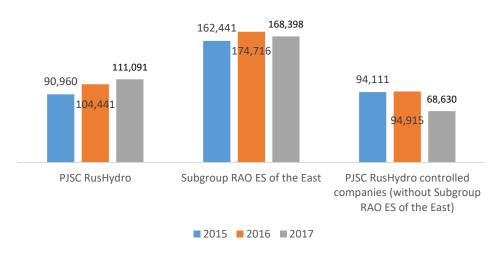
Revenue and expenses 31

Dynamics of total revenue * and expenses, million rubles



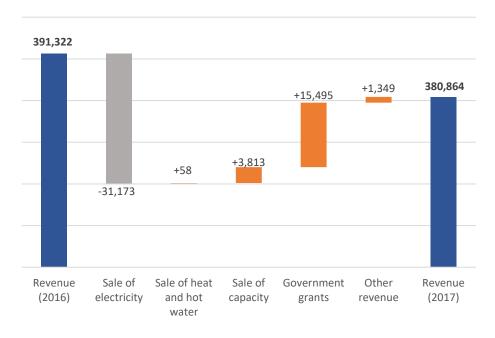
^{*} Revenue taking into account government subsidies.

Structure of revenue by segments of the Group (excluding intragroup transactions transactions), million rubles

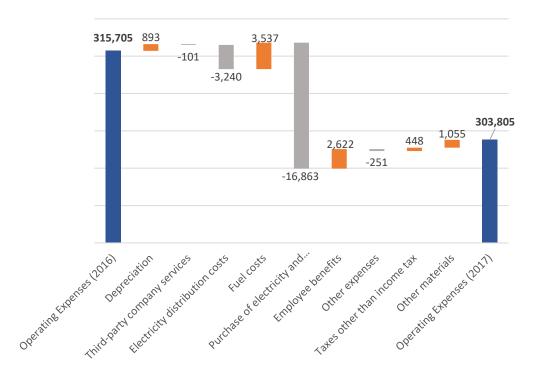


³¹ In this subsection of the Report, total revenue is shown taking into account state subsidies, operating expenses are presented without taking into account impairment losses.

Change in revenue, RUR mn



Change in operating expenses, mn rubles



In 2017, the total revenue of the Group decreased by 2.7%, which was mainly due to the sale of LLC ESCB in December 2016, its total revenue for 2016 was 29,922 million rubles. Excluding LLC ESCB, the total revenue decreased by 5.4%. This change was due to the following key factors:

- Increase in the revenue from the sale of capacity as a result of the commissioning of the Zelenchukskaya HPP-PSHPP in Karachaevo-Cherkessia, the capacity of which is sold under a capacity delivery agreement;
- Increase in the revenue from the sale of capacity of PJSC RusHydro due to the increase in the price of CCA in the 1^{st} and 2^{nd} price zones, the indexation of regulated capacity tariffs and 100% of the "liberalization" of the capacity market for HPPs from May 1, 2016;
- An increase in the day-ahead price in the second price zone due to a decrease in the generation of HPPs and an increase in output of thermal power plants;

The total operating expenses for current activities in the reporting period decreased by 3.8% and amounted to 303,805 million rubles compared to the same period of 2016, which is mainly due to the sale of LLC ESCB. In December 2016, the total operating expenses LLC ESCB for 2016 amounted to 27,972 million rubles. Excluding LLC ESCB, the total operating expenses increased by 5.6% as a result of the following factors:

- The increase in electricity distribution costs due to tariff increases and electricity transportation as well as due to the increased supply of electricity to ESC Group and for a number of companies of the Subgroup RAO ES of the East;
- The increase in fuel costs mainly due to the increase in fuel prices for JSC DGK and the increase in the electricity supply of stations of JSC DGK for 2017 compared to the same period in 2016;

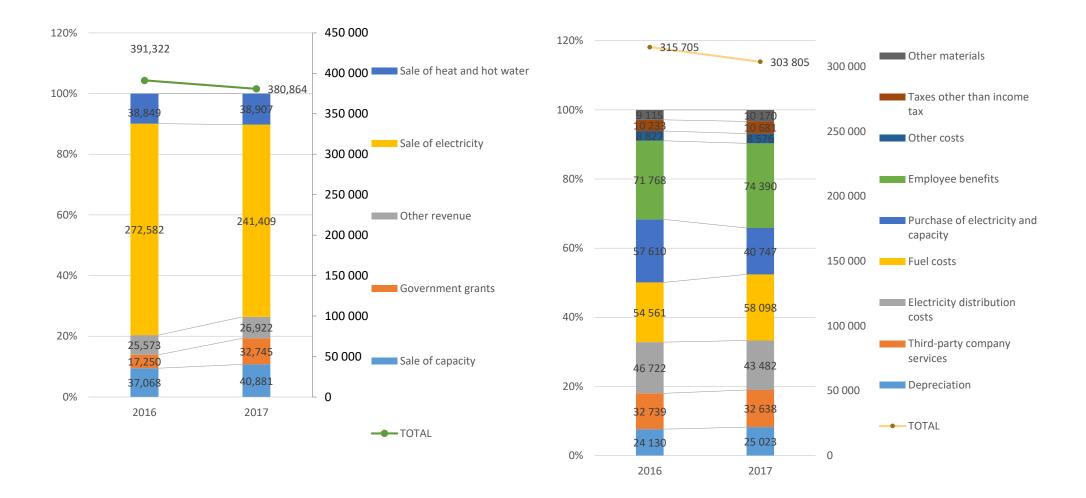
- Increase in the revenue for JSC DGK due to an increase in the volume of rendered services for the transmission of electric power due to an increase in the average tariff to the level of the previous year in the area of Khabarovsk, Primorsky Region, the Jewish Autonomous District and South Yakutia;
- Increase in the revenue of PJSC Yakutskenergo, which is mainly due to an increase in the revenue from the delivery of electricity produced by third parties part of the contract with JSC Vilyuiskaya HPP-3, which is the guaranteeing Supplier for Alrosa's facilities.
- The decrease in revenue from the sale of electricity in the Far Eastern Federal District is associated with the completion of the tariff for electricity to the basic levels of prices (tariffs), which is compensated by the growth of subsidies for tariff equalization.

Planned revenue (including government subsidies) in 2018 is 394,162 million rubles.

Structure of revenue by type of activity, million rubles

- Increase in labor costs as a result of indexation of tariff rates and salaries of operating personnel in accordance with collective agreements;
- Increase in depreciation of fixed assets and intangible assets.

Structure of operating expenses, million rubles



Assets, equity, and liabilities

Assets, equity, and liabilities, million rubles

	2015	2016	2017	Change 2017/2016,%
Fixed assets	744,585	765,047	799,855	4.55
Other non-current assets	47,124	69,946	73,277	4.76
Current assets	146,428	148,453	155,119	4.49
Total assets	938,137	983,446	1,028,251	4.56
Equity	613,919	650,932	695,564	6.86
Debt	324,218	332,514	332,687	0.05
Leverage*	52,8	51,1	47,8	-3,3 p.p.
Total liabilities	938,137	983,446	1,028,251	4.56

^{*} Planned ratio of own and borrowed funds in 2018 - 49.8%

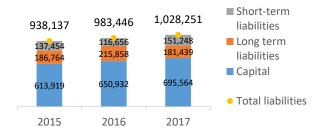
Structure and dynamics of assets, million rubles

938 137 983 446 1 028 251 146 428 148 453 155 119 All non-current assets, other than Property, Plant and Equipment Fixed assets 2015 2016 2017

As of 31.12.2017, the group's assets increased by 44,805 million rubles or 4.6% to 1,028,251 million rubles compared to the same indicator for 31.12.2016. The change of assets is mainly related to the following factors:

- Growth of the group's fixed assets,
- Growth of receivables and inventory,
- Increase in the amount of funds and their equivalents.

Structure and dynamics of liabilities, mn rubles



The group's liabilities remained at the previous year's level and amounted to 332,687 million rubles. According to the structure of liabilities, the liabilities of the group were changed as follows: long-term liabilities decreased by 34,419 million rubles, short-term liabilities increased by 34,592 million rubles, mainly due to reclassification of long-term borrowed funds into short-term borrowed funds due to approaching maturity date.

The structure of the group's liabilities has undergone significant changes:

-Funds received from placement of additional share issue and sale of treasury shares, in full volume are directed to the repayment of credits and loans of Subgroup RAO ES of the East; -Partial redemption of Russian bonds issued in April 2015 within the scope of the tender offer;

-Ruble Eurobonds worth 20 billion rubles are placed, the issuer of which was a special-purpose company RusHydro Capital Markets DAC. Eurobonds issued with maturity in 2022 and coupons of 8.125 % per annum paid twice a year. Placement and listing of Eurobonds is carried out on the Irish Stock Exchange under the rules of Reg S.

In accordance with the terms of the non-deliverable forward transaction for its own issued shares with VTB Bank (PJSC), the Group recognized liability under the forward contract, which is recorded as a long-term derivative financial instrument measured at fair value through profit and loss using the Monte Carlo model. The main reason for the change of the fair value of the forward instrument was the local dynamics of the market value of PJSC RusHydro shares during 2017. Thus, in the event of an increase in the value of shares in subsequent reporting periods, the liability under the forward contract will be reviewed towards its reduction.

Refinancing Debt of the Subgroup RAO ES of the East

In March 2017, within the framework of fulfilment of decrees of the Russian President and the Russian government RusHydro Group successfully implemented measures to refinance the loan debt of the enterprises of Subgroup RAO ES of the East. The mechanism of the realized transaction is unique for the Russian market

in its structure and volume of capital raised.

In accordance with the decisions of the Board of Directors of PJSC RusHydro (minutes of 23.11.2016 № 244, of 27.12.2016 № 246, of 27.02.2017 № 248) due to the placement in the interest of VTB Bank (PJSC) of 40 billion shares of an additional issue and sale, and 15 billion of treasury shares of PJSC RusHydro, the company raised joint-stock financing worth 55 billion rubles. VTB Bank (PJSC) acquired 55 billion roubles worth of shares of the company, which is 12.9% of the share capital.

In addition, PJSC RusHydro and VTB Bank (PJSC) signed an estimated non-deliverable contract, the final settlement of which is expected after the end of the 5-year period. The forward rate is formed as a key rate of the Bank of Russia plus a margin of 1.5% annually. The forward payments are reduced by the amount of dividends paid to the bank during the period of the forward contract.

At the end of the forward contract, one of the parties to the transaction pays the other party the difference between the value of the sale of PJSC RusHydro's shares and the forward value. At the same time, PJSC RusHydro has no obligations to VTB Bank (PJSC) for buy backof its shares ("put" option). In the case of non-sale of the company's shares during the period of the forward contract (5 years) the liabilities of the Parties shall be determined based on an independent valuation of the shares.

An important aspect of the transaction is the condition that the additional income received from the sale of

shares of RusHydro at a price higher than the value of the forward in full is the income of the company. In terms of the efficiency of the transaction for the company, the proposed scheme of attracting financing is more effective than existing credit mechanisms. Forward rate value (excluding the value of the sale of shares) is preferred due to its reduction on the paid and planned dividends, as well as because of lowering the key rate of the central Bank of the Russian Federation, which is 5.42 % as of March 23, 2018 (following the reduction of the Bank of Russia key rate to 7.25%). Cash worth 55 billion rubles was attracted from VTB Bank (PJSC) in full transferred to the operating companies of Subgroup RAO ES of the East in accordance with the loan agreements and

Key parameters and advantages of the forward contract with VTB Bank (PJSC):

- a significant amount of potential liabilities of RusHydro will be covered by outside investors following the sale of RusHydro's shares, as well as through dividends received by the bank;
- the transaction focuses the management on the long-term result, encourages reaching the maximum value of the company in the interests of all shareholders;
- funds attracted in the framework of a forward transaction are aimed at the repayment of external loan debts of the companies of the RAO ES Subgroup of the East, which significantly reduced the consolidated debt burden of RusHydro Group;
- repayments mainly concerned short-term bank loans, which improved the duration of the loan portfolio.

sent in March 2017 to repay the debt on bank loans. The interest rate on intragroup loans is floating and is equal to the forward rate, reduced by the amount of dividends in the interest of VTB Bank (PJSC) on the shares acquired in the framework of the transactionwith RusHydro's shares. There is also a grace period for interest payments during the first two years from the date of entering into intra-group loans schemes. Savings from lowering the interest rate and due to existence of the two-year grace period are directed for financing repair programs and measures on technical rehabilitation and modernization of core companies of Subgroup RAO ES of the East.

Analysis of the structure and the change of financial debt

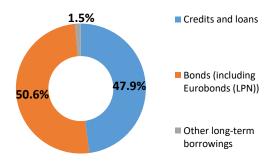
According to the results of 2017, the level of financial indebtedness and the debt burden of RusHydro group decreased. The total and net financial debt of RusHydro Group at the end of 2017 amounted to 213.2 and 143.0 bilion rubles respectively, decreasing for the year by 10.3 and 13.1 billion rubles (or by 4.6% and 8.4%). Considering the growth of consolidated operating profit for 2017, the value of the indicator "net financial debt/EBITDA" dropped to 1.4 on 31.12.2017 in comparison with 1.6 on 31.12.2016, which confirms the strengthening of the group's sustainable financial position.

Total debt for long-term and short-term borrowings (excluding accrued interest on the reporting date) decreased by 30.2 billion rubles (or 15.4%) for the year 2017. The largestdecrease in debt liabilities was due to the repayment of bank loans of companies of the Subgroup of RAO ES of the East in the 1st quarter of 2017 worth 55 billion rubles due to a transaction with Bank VTB (PJSC). The structure of the financial debt of RusHydro group takes into account the fair value of the company's liabilities under the forward contract with

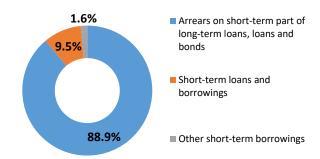
VTB Bank (PJSC) (worth 20.7 billion rubles at the end of 2017), as well as the guarantee³² for PJSC Boguchanskaja HPP under the credit of GC Vnesheconombank (the sum of which decreased to 25.9 bn rubles at the end of 2017).

The shares of the consolidated financial debt (excluding the forward transaction) of RusHydro Group on 31.12.2017, calculated in Russian rubles and with a fixed interest rate, constitute about 95% and 99% respectively, which causes the insignificance of interest rate risks for the group in terms of financial indebtedness.

Structure of the long-term part of the debt (with maturity after 12 months from the reporting date),%



Structure of short-term part of debt (with maturity within 12 months from the reporting date),%



The long-term part of the group's borrowing arrears for 2017 decreased by 67.1 billion rubles (a drop of 42.5%) to 90.9 billion rubles, mainly due to the maturity of the debt in 2018 and the transfer of this part of the debt to the short-term part. At the same time, in the structure of the debt there were 5-year Eurobonds worth 20 billion rubles, placed in September 2017.

The short-term part of the group's borrowing arrears for 2017 increased by 36.9 billion rubles (a rise of 88.3 %) up to 78.6 billion rubles, mainly due to the maturity of long-term loans and bonds (including bonds of PJSC RusHydro worth 35 billion rubles). Bearing in mind that the available remainder of the sample under the current credit agreements of the group companies at the end of 2017 amounted to more than 110 billion rubles, which by far exceeds the requirements for short-term refinancing of debt, financial risks are estimated as insignificant.

Credit ratings

Regarding strengthening the financial performance of RusHydro Group, the credit ratings (outlooks) of the company, assigned by international rating agencies (S&P, Moody's, Fitch), improved. In October 2017 PJSC RusHydro became one of the first among state-owned Russian companies and the first company of the electrical utilities sector, which received the rating of creditworthiness from the Analytical Credit Rating Agency (ACRE), which was assigned on a national scale at the highest level of reliability.

Credit ratings as of 31.03.2017

Rating Agency ▶	S&P	Moody's	Fitch	AKPA
Level of long-term credit rating *	Bbb-	Ba1	BB +	AAA (RU)
Credit rating forecast	Stable	Positive	Stable	Stable
Date of change (confirmation) of	27.02.2018	29.01.18	09.06.2017	03.10.2017
rating				

^{*} International rating agencies S&P, Moody's, Fitch indicated the level of long-term credit rating on an international scale in foreign currency.

2.1.2 Cash flows

Cash flows, mn rubles

Cash nows, nm ru	2015	2016	2017	Change 2017- 2016
Cash flows from operating activities	69 800	71 373	78 125	6 752
Use of funds for investment activities	(48 381)	(24 918)	(60 013)	35 095
Receipt/(use) of funds from financial activities	(8 584)	(26 837)	(15 064)	11 773

³² On February 7, 2013, the Agreement on the termination of the guarantee agreement between PJSC RusHydro and GC Vnesheconombank was signed.

Positive/(negative) Exchange differences on cash balances	796	(289)	(246)	43
Total (decrease)/increase of funds	13 631	19 329	2 802	(16 527)
Funds for the end of the period	48 025	67 354	70 156	2 802

Net cash flow from the group's operations in 2017 increased by 6,752 million rubles (9.5 %) up to 78,125 million rubles.

Net outflow of funds to finance investment activities increased by 35,095 million rubles (141%), amounting to 60,013 million rubles.

The financial activity of the group in the reporting period registered a net outflow of funds worth 15,064 million rubles.

Negative exchange differences on the group's cash balances in 2017 amounted to 246 million rubles, against negative exchange rate differences of last year worth 289 million rubles.

At this backdrop, the group increased cash position to 70,156 million rubles by the end of the year, which is 2,802 million rubles (4.2 %) higher than at the beginning of the year.

2.2 Production Results

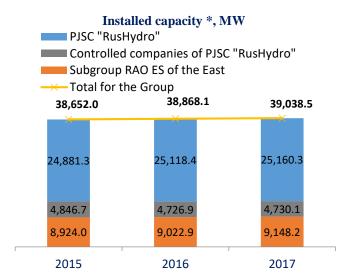
Installed capacity

As of 01.01.2017, the installed capacity of RusHydro Group was 38,868.1 MW. During 2017, the total installed capacity increased by 170.37 MW and on 31.12.2017 it was 39,038.47 MW.

The growth of installed capacity at the facilities of RusHydro group occurred due to:

- -Launch of the 1st stage of the Yakutsk GRESSGRES-2 193 MW electrical capacity;
- -Rerating of equipment at Zhigulevskaya HPP (+ 21.0 MW), Volzhskaya HPP (+ 10.5 MW), Saratoskaya HPP (+ 6.0 MW), and Novosibirskaya HPP (+ 5.0 MW);

The decrease in capacity in the reporting year is due to shrunk capacity at the stations of Subgroup RAO ES of the East: JSC Chukotenergo (-20.9 MW) and PJSC Kamchatskenergo (-25 MW).



Power generation

The development of RusHydro Group, taking into account the results of 2017 at the Boguchanskaya HPP, reached a historical record – 140,285.6 million kwh, which is 1.06% higher than the production in 2016. The main factors affecting RusHydro Group's production in 2017 were:

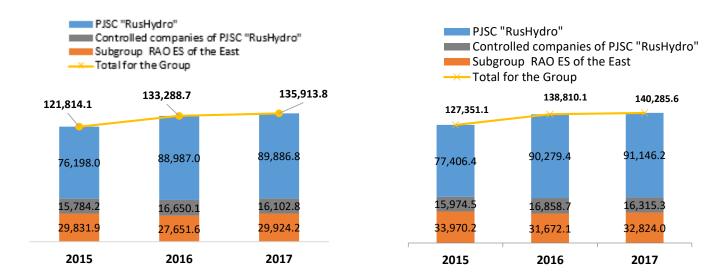
- Influx of water into the main reservoir of HPP -Kama Cascade was significantly higher than the values for many years;
- The autumn of 2017 saw the Commissioning of Yakutskaya GRESGRES-2 in Autumn 2017 and gradual increase in capacity of the 2nd stage of Blagoveschenskaya TPP and Zelenchukskaya HPP-PSHPP, commissioned in 2016;
- Reduction of influx to HPPs in the south of Russia, Siberia and the Far East regarding high water inflows of 2016 to the levels corresponding tolong-run average.

Energy sales of companies of RusHydro Group - JSC ESC, PJSC Krasnoyarskenergosbyt, JSC Chuvash Power Sales Company and PJSC RESC - for 2017 amounted to 20,707 million kWh, which was 6 % less than the value for the same period in 2016. The decrease is due to the emergence of a number of large consumers at the Wholesale Electrical Energy Market, primarily in the service area of PJSC Krasnoyarskenergosbyt, higher outdoor temperatures, and a number of other factors.

Dynamics of net supply of RusHydro Group*,

Dynamics of power generation of RusHydro Group*, mn $kW \cdot H$

mn kW · H



* The data are given for PJSC "Boguchanskaja HPP" (owned by PJSC RusHydro and "Rusal"), taking into account the HPP-2 PJSC "Kamgjek" and without including HPP-1 and HPP-3 PJSC "Kamgjek" are managed by a trust.

2.2.1 Reliability and Safety of Generation Facilities

Management approach to issues of safety, reliability and safety of hydraulic structures

Providing reliable power supply for the population and operations of equipment hydraulic facilities safe for the environment is one of the company's strategic goals. The technical policy of the company defines the requirements for the integrated system of safety management of the production processes, which includes the subsystem of industrial safety management.

In 2017, in order to update the system of safety management and the reliability of hydraulic structures and equipment of the company, the decree of PJSC RusHydro of 08.08.2017 № 515 approved "Regulations on the system of safety and reliability management of hydro-technical structures and equipment of hydroelectric power plants of PJSC RusHydro.

The company's tasks in the field of industrial safety:

- Continuous improvement of industrial safety of hazardous production facilities to the level corresponding to the best indicators in the world's electricity generating companies thanks to timely technical rehabilitation and enhanced reliability of technological equipment, in order to ensure their safe and accident-free operations;
- -Creation and maintenance of efficient and effective system of industrial safety control, ensuring the planning and solution of the most important problems of industrial security.

The result of the achievement in the field of industrial safety is a stable reduction of industrial risks from the operation of hazardous industrial facilities by improving the production control, the quality of repairs, and inspections of industrial safety systems.

Mechanisms for ensuring the reliability of operations and the safety of facility operations:

- Quality control at the design and construction stages;
- External regulatory oversight;
- Internal production control;
- Standards and operating regulations (industry and corporation);
- Technical policy and system of technical system management.

Effective control of safety and reliability of functioning assets is achieved by a double control system: an internal system of production control of compliance with industrial safety requirements at hazardous industrial and external facilities by state inspection authorities.

Distribution of responsibility on industrial safety issues

-General management of compliance with industrial safety requirements at hazardous industrial facilities (hereafter - HIF) PJSC RusHydro and supervised controlled companies -Methodological support and organization of activities in the field of industrial safety at hydroenergetic facilities of the company, including accounting of violations and performance of emergency measures.

Member of the board-First Deputy General Director-Chief Engineer Bogush B.B.

 Oorganization of the process of implementation of industrial control over compolience with industrial safety requirements at hazardous production facilities and hydropower facilities of JSC RusHydro and supervised production facilities; Coordination and control of the activities of the subdivisions of the executive apparatus, branches and production units (including the Far Eastern Federal District) in terms of production control, compliance with industrial safety requirements; Methodological support of the Company's branches and software (including the Far-Eastern Federal District production facilities) with regard to the implementation of industrial control over compliance with industrial safety requirements, the operation of industrial safety management systems; control over the development and implementation by the Company's branches and production facilities (including the Far Eastern Federal District production facilities): action plans for the elimination of remarks in the field of ensuring industrial safety identified by the supervisory authorities; annual plans of measures to ensure industrial safety. 	Office of Industrial and Fire Safety Department of Production Occupational Safety and Health
RusHydro ensures the operation of HIF in accordance with the requirements of the legislation of the Russian Federation and local normative documents Organization and implementation of production control, development and execution of measures on industrial safety issues.	Occupational safety and health services of branches and controlled companies.

The company has a "Standard regulation on the production control of compliance with industrial safety requirements at hazardous production facilities of the branches of PJSC RusHydro, which is going to be updated in 2018.

All generating companies of RusHydro Group have developed and are applying "regulations on the industrial control of compliance with industrial safety requirements at hazardous industrial facilities".

In 2017, the Siberian Department of the Federal Service for Environmental, Technological and Nuclear Oversight was assigned four events at the 495 HIF of RusHydro Group are registered in the state register of hazardous industrial facilities: 176 PJSC RusHydro and 319 HIF of controlled companied.

HIF sites and HS complexes of branches of JSC "RusHydro" are insured under the contract of compulsory insurance of civil liability of the owner of a hazardous facility for causing damage as a result of an accident at a hazardous facility dated 20.12.2016 No. 16DL0687.

Novosibirskaya HPP. All events were carried out. No other violations were recorded in respect of industrial safety requirements during the reporting period.

Key projects to improve the safety of hydraulic structures

They projects to it		
Projects completed in 2017	Current projects in 2017	Plans for 2018
Reconstruction of the spillway dam of Novosibirskaya HPP. Description: Replacement of the destructive concrete of a water-hole plate, weirs, and steers of a spillway dam.	Reconstruction of the pressure node of the Baksaskaya HPP. Dismantling of the old building and structures of the water intake and erection of a new water intake in its place. In 2017 the project documentation for the reconstruction and the examination of the project documentation were carried out. The preparatory work was finished. Works on dismantling the old constructions are in progressGRESs. Completion of works is planned for 2018.	Reconstruction of elements of the deep operational water discharge of Gunibskaya HPP.
Automation (control and measuring equipment (hereinafter - CME) of the HS of NovosibirskayaHPP. Description: The piezometers of the spillway dam, the piezometers of the earth dam are automated.	Reconstruction of the upper downstream in the zone of the alternating level of Nizhny Novgorod HPP.	Reconstruction and automation of CME Chirkeyskaya HPP.
Reconstruction of the CME with the introduction of IDs (information and diagnostic system) at Gunibskaya HPP. <u>Description:</u> New piezometers are arranged in the arched dam of Gunibskoj HPP. The information-	Reconstruction of grooves, slab-shells, thresholds, and spillway covers of the spillway dam of the Zhigulevskaya HPP.	Reconstruction of controlling and measuring equipment of Nizhegorodskaya HPP (the device of additional CME was completed in 2017, while in

diagnostic system for safety control of HS was developed. The geodetic network of the CME was reconstructed.		2018 it is planned to complete the work by performing its automation).
Construction of the canal bypassing the head structures with the help of an additional sump on the YezminskayaHPP. Description: A bypass (winter) channel was built to circumvent the existing head node of the Jezminskoj HPP in order to facilitate its drainage (head unit) and repair work in low (winter) period. Reconstruction (extention) existing sump of the head complex, for better operation.	Reconstruction of the control and measuring equipment at the Nizhegorodskaya HPP.	Arrangement of systems of seismological and seismometric control at the Cheboksarskaya HPP.
Construction of the bypass channel of the Head Unit of the Gizeldonskaya HPP with the restoration of the reservoir to the original sizes. Description: Reconstruction of a water intake and spillway structure of the head unit was carried out by installing an additional bottom spillway. Reconstructed the plot of a new concrete structure instead of the old metal. Mechanical cleaning of the reservoir, silted during the operation by 75% of the value from the design capacity, to the design parameters is carried out mechanically.		Reconstruction of grooves, plates-shells, thresholds and weirs of the spillway dam of the Zhigulevskaya HPP.
Reconstruction of the CME with the introduction of an information and diagnostic system at the Gergebilskoj HPP. Description: New piezometers in the arch dam are arranged. The information- diagnostic system for safety control of GTS was developed. The geodetic network of the CME was reconstructed.		Reconstruction of the walls of the upper downstream in the zone of the alternating level of the Nixhegorodskaya HPP (completion of works).

Accident Rate

Accidents at the facilities of RusHydro Group

	J	P	
Accident rate	2016	2017	2017-2016
Number of accidents in the group	5,547	6,218	671
including PJSC RusHydro	97	135	38
including accidents at controlled companies (including Subgroup Rao ES East):	5,450	6,083	633
Number of accidents at GCO	0	1	1
Number of fires	0	0	0

Compared to the previous year, the increase in accidents in the branches of PJSC RusHydro is primarily caused by a significant number of accidents in the Karachayevo-Cherkesiya branch (21 accidents, in 2016 there were no accidents recorded) due to the failure of newly introduced equipment Zelenchukskaya HPP – PSPP due to its constructive defects, poor installation, errors of controlled companies, and fault of own personnel in the maintenance of the newly introduced equipment.

In addition, the general increase in accidents in the branches of PJSC RusHydro in 2017 was affected by the increase in accidents at:

higulevskaya HPP (growth of 8 accidents),

• H
PP of Dagestan branch (growth of 7 accidents),

11 of Dagestan oranen (growth of 7 decidents),

Z

olzhskaya HPP (growth of 3 accidents),

• ovosibirskaya HPP (growth of 3 accidents),

N

В

ureyskaya HPP (growth of 3 accidents).

The increase of accident rate at the facilities of the Far Eastern Energy production sites of RusHydro Group for 2017 in comparison with 2016 is caused primarily by the increase in the number of accidents in the following facilities:

- JSC DRSK- accidents with the equipment and power lines 6-35 kV (from 3,638 to 4,111), equipment and transmission lines 110 kv (from 387 to 492) and with the devices of relay protection, emergency, and mode automation (from 51 to 94).
- -PJSC "Sahalinenergo" accidents with the equipment and power lines 6-35 kV (from 262 to 319), on equipment and transmission lines 110 kv (from 12 to 27) and with devices of relay protection, emergency and mode automatics (with 1 to 17).
- JSC DRSK accidents with boiler equipment (from 40 to 64), auxiliary heat-mechanical equipment (from 45 to 54), with generators and synchronous compensators (from 9 to 14) and with devices of relay protection, emergency, and mode automatics (from 10 to 21).
- -PJSC Mobile Energy accidents with turbine equipment (from 2 to 23).

In total, on the basis of investigation acts of causes of accidents in RusHydro Group in 2017, 8,905 emergency measures were developed, most of which (8,045) were applied and employed. 860 emergency measures have not been completed yet.

Accidents at hazardous industrial facilities

On 10.07.2017 at the Yakutskaya GRESGRES (PJSC Yakutskenergo) an accident occurred at HIF. In accordance with the report on the accident, damage amounted to 363 million rubles. The cause of the accident was the holding of preparatory start-up operations at GTE-45-3 st. no. 1 of the Yakutskaya GRES with incomplete repair work and uncovered outfits, which led to erroneous actions of operational personnel during switching operations in the circuits. PJSC Yakutskenergoprovided a report on the actions taken to prevent similar accidents in the future, including adjustments to the technical elements of the plant and changes in instructions, as well as checking and ensuring the work of all safety automatic devices at gas turbine plants. PJSC Jakutskenergo conducted a detailed assessment of the actual state of the equipment of Yakutskaya GRES and is carrying out the appropriate repair and restoration work. In 2017 16.1 million rubles was spent on restoration works, the costs for 2018 are planned to reach 71.5 million rubles. The total cost of repair and restoration work are estimated at87.6 million rubles (instead 363 million rubles previously announcedaccording to the accident investigation report).

Elimination and prevention of emergency situations

Work on the prevention and liquidation of emergency situations is conducted in RusHydro in full compliance with the normative requirements of the legislation of the Russian Federation for Hydro-Technical structures and hazardous production facilities.

All facilities of RusHydro Group have:

- Action plans for the prevention and liquidation of emergency situations of natural and technogenic nature, as well as action plans for the prevention and liquidation of oil and petroleum spills, agreed with the territorial authorities of the Ministry of Emergencies of Russia;
- Declarations of safety of HS, updating (processing) of which is carried out not less than every five years with mandatory examination of HS by specially created commissions with the involvement of design and research organizations;
- Facility safety passports (specifications);
- Special equipment for the prompt elimination of possible damages and emergencies (at facilities where there are own (contractual) fire-fighting partners);
- Rescue equipment and tools.

At all facilities of RusHydro Group, operating HS of extremely high and high risk, hazardous production facilities of I and II hazard classes, dangerous production facilities of III hazard class, civil defense units or

professional out-house rescue teams are duly created and kept on alert In accordance with the decree of the Ministry of Energy of Russia of 09.06.2011 № 222, RusHydro Group created a functional subsystem of the unified state system of prevention and liquidation of emergency situations.

The coordinating body of the subsystem responsible for promptly assessing occasions of emergency and taking the decision to implement the activities aimed at the prevention of emergencies is the Commission for the Prevention and Liquidation of Emergencies and the Fire Safety of the company (CPLE and PFS). The annual work plans of the commission include providing for the safe flood water passage in the spring-summer period, preparing the facilities for the autumn-winter peak of maximum loads, as well as to ensuring sustainable functioning in fire and thunderstorm periods. The CPLE and the PFS directs and coordinates the work of the permanent and day-to-day bodies for the management of the functional subsystem.

Round-the-clock surveillance of the facilities, notification of detected violations in the equipment operation and execution of priority actions which contribute to the prevention of emergency situations, are performed by the bodies of daily management functional subsystem of the company: during operational duty shifts at the center for monitoring the state of protection and operation of facilities, as well as during duty shifts of

operational supervision of generating branches and controlled companies.

At 31 facilities of the Group there are local warning systems.

For the prevention and liquidation of emergency situations, reserves of material resources in the branches operating hydrotechnical facilities and a target reserve of financial

In the Group's consolidated budget for 2018, funds were planned under the item "Emergency Response Reserve" worth 88,845.1 thousand rubles for accrual and 104,837.3 thousand rubles for financing.

resources in PJSC RusHydro were created in PJSC RusHydro amounting to 1% of the average monthly revenue from the sale of electricity and capacity. In all controlled companies in order to prevent and eliminate emergencies, financial reserves and reserves of material resources were created having the needed funds at their disposal.

In 2017, training in accordance with the decree of the Company of 11.05.2017 № 287 "On the conduct of distance learning in the field of civil defense and protection of employees at emergencies in 2017", using an automated system of training and control of learning acquired knowledge, 5,810 employees of RusHydro Group were trained. The total number of people in RusHydro Group covered by the training was 22,399.

In 2017, RusHydro Group held:

- complex trainings 23;
- trainings at facilities 379;
- team trainings 108;
- tactical special trainings 58.

2.2.2 Construction of production facilities

Quality control at the stage of construction of RusHydro Group's facilities

Quality control at the stage of construction and installation works is carried out in order to:

- Verify the compliance of the works with the town-planning code, design documentation, the requirements of technical regulations, the engineering surveys;

- Provide reliable and trouble-free operation of power facilities and reduction of non-productive costs during the operation stage.

Ouality control:

- Consists of technical requirements to the final result and assessment of conformity of the result to the technical requirements, internal normative documents and legislative acts;
- Is conducted by all construction participants, the contractor, the developer (customer) and the designer (within the framework of the author's supervision);
- Provides operational input, acceptance control, and also accounting of works performed, the final check of the executed works and preparation of the conclusion on conformity;
- In addition to internal oversight, includes an external oversight system implemented by the

Documents regulating the issues of quality control during the construction phase:

- Technical policy of PJSCRusHydro
- Corporate standards of construction and installation works of RusHydro (level of construction customer):
- 01.02.132-2015 "Hydroelectric power stations. Quality control of work in the construction process. Norms and requirements"
- 70238424.27.140.046-2009 "Hydroelectric power stations. Manufacture of construction and installation works. Norms and requirements"
- 04.01.71-2011 "Hydropower construction. The procedure for determining the cost of construction and installation works. Methodical instructions"
- 01.02.85-2013 "Hydropower construction. Calendar-network planning of projects for the construction of hydro-generation facilities. Norms and requirements"

Federal Service for Environmental, Technological and Nuclear surveillance and other state technical oversight bodies

Regulation and supervision

Control of the conformity of the quality of construction and installation works, applied materials and structures, is governed by the requirements of the Russian Federation legislation, industry standards and requirements, corporate technical standards, regulatory requirements for project documentation.

In addition to the requirements of the Federal legislation and subordinate legislation³³, at all stages of construction work, industry standard and quality control standards developed by RusHydro are applied.

Development of the Unified Conformity Assessment System (UC AS) for the construction (reconstruction

In the reporting year, no people were economically displaced or compensated in connection with construction of new facilities. . (EU22)

and overhaul of capital construction projects) and requirements for the controlling procedure of the UC AS is conducted by the Supervisory Board of the unified system of conformity assessment in the field of industrial, environmental safety, security in energy and construction. The oversight over their execution is carried out by the Federal Service for Ecological, Technological and Nuclear Supervision.

At the stage of construction at the stations, an automated system of diagnostic control is introduced, which performs automatic collection of devices

indications and their computer processing, for the analysis of the condition of the hydro-site structures. At delivery of by the building organization to the customer. The measurement equipment and all data of observations of hydrotechnical constructions in operation are handed from the building companies to the customer.

indirect economic impact of key structures on the regions of presence (203-2)			
Project	Indirect economic impact		
Zaramagskiye HPPs	After the commissioning of the station, its tax revenues to budgets of all levels will amount to 0.9		
	billion rubles annually, which will enable the HPP to become a key budget contributor in the region.		
	The uniqueness of Zaramagskaya HPP-1 consists primarily of a 14.5 km derivation tunnel, which is		
	unparalleled in Russia. Its width is 4.5 m, its height is 5 m, water will pass through the tunnel in 80		
	minutes. The construction of the tunnel began in 1982, during the Soviet times, no more than 30%		
	of its length was built.		
Nizhne-Bureyskaya HPP	The socio-economic effects of the project for the Far East and Russia:		
	 reduction of current generation costs for the Unified energy system of the East; 		
	the possibility of switching nearby villages from expensive fuel oil and coal		
	boiler heating to electric boiler heating with a reduction in the heat tariff for consumers;		
	• creation of jobs for the laid-off builders of the Bureyskaya HPP (2,000 people)		

33 Urban Development Code and Resolution of the Government of the Russian Federation No. 468 of 21.06.2010 "On the Procedure for Conducting Construction Supervision during the Construction, Reconstruction and Overhaul of Facilities".

	and a reduction in outflows from the Far East;
	 subcontractor work for domestic producers and firms;
	 increase in tax revenues to budgets of all levels;
	 growth in the purchasing power of the population of the Amur Region.
A.F. Dyakov Ust- Srednekanskaya hydroelectric power station on the Kolyma River	The launch of the HPP is the source of power for the Matrosov mine (the Natalinskoe gold deposit) and contributes to the growth of the economy of the region due to the development of the mining sector.
1st stage of	The commissioning of the first stage of Sakhalinskaya GRESGRES-2 will create the prerequisites
Sakhalinskaya GRES-2	for socio-economic development of the western coast of Fr. Sakhalin by creating new jobs, housing
	and social infrastructure.
	The necessary reserve of capacity will be provided for the prospective new consumers.
CHP Plant in Sovetskaya	The commissioning of a CHP plant in Sovetskaya Gavan allows to:
Gavan	 ensure reliable, uninterrupted and cost-effective energy supply to consumers in
	the Soviet-Havana and Vanino regions;
	 increase the reliability of energy supply to the Soviet-Havana energy center;
	 ensure the region's growing electricity needs related to the expansion of the
	seaport, the construction of the largest coal terminal in the Far East and the development of a transport hub;
	 ensure the replacement of outgoing capacities and inefficient equipment of the
	Mayskaya GRESGRES;
	 centralise the heat supply to Sovetskaya Gavan;
	 ensure the growth of tax revenues to budgets of all levels.
Thermal power station	The Vostochnaya CHP will fully cover the heat load of the adjoining area of the Central steam-water
Vostochnaya,	boiler facility.
Vladivostok on the site of	Due to the redistribution of the load to VCHP -2, new consumers of the city will be provided with
Central steam-water	heat, including Patroclus and Green Corner.
boiler facility	The thermal power reserve that is created with the thermal power station will create favourable conditions for the further development of the city.
	conditions for the further development of the city.

Program of construction of new heat generation facilities in the Far East

The development of the Far East is one of the highest priorities of the state. Thus, the Federal Target Program for the Development of the Region has been developed, and the Ministry for the Development of the Far East has been created.

RusHydro Group contributes to the development of the region. The Company's most important investment project is the construction of four facilities on the territory of the Far East within the framework of the execution of the Presidential Decree dated November 22, 2012 No. 1564 "On the Further Development of the Open Joint-Stock Company Federal Hydro-Generating Company-RusHydro".

Financing of projects for the construction of new facilities is carried out mainly from budget funds intended for the development of power in the Far East. For these purposes, the state, under Presidential Decree No. 1564 of November 22, 2012, allocated 50 billion rubles in the framework of the additional capitalization of PJSC RusHydro. (201-4)

The implementation of these projects is the first stage of the Far Eastern Energy Development Program aimed at replacing the outgoing power capacities and developing the infrastructure of the decentralised energy supply sector. The program will achieve the following effects for the regions of the IPS of the East by 2025:

- total increase in the gross regional product of the Far Eastern Federal District;
- additional tax revenues for energy companies of the Far Eastern Federal District and related industries (mechanical engineering);
- development of the construction industry: additional housing can be connected to heating service:
- employment growth through the creation of new jobs in industries such as construction, operation of energy facilities and mechanical engineering. (203-2)

2.2.3 Program of modernization, technical rehabilitation and repairs

A significant number of powerful hydroelectric power plants were comissioned in the 1950s and 1960s, and by the early 2000s, there was a need to upgrade and replace existing equipment. Due to the economic difficulties of those years, it was not possible to replace obsolete and worned-downequipment; hence, PJSC

RusHydro had to resort to periodic repairs and the replacement of separate units.

Since the middle of the 2000s, a number of stations of PJSC RusHydro had their equipment replaced, but the pace of asset renewal did not allow breaking the trend of aging HPP equipment as a whole.

The key requirement of the Comprehensive Modernization Program is the lack of units of basic generating equipment with an expiry safe operation period before 2025.

In December 2011, the Board of Directors of the Company approved the Program for the comprehensive modernization of generating facilities of PJSC RusHydro (PCM), designed for the period ythrough 2025.

PCM is a unique project for the upgrade of generating facilities in the energy sector. As part of the RusHydro Program, it is planned to replace more than half of the main equipment at HPPs:

- 154 turbines (55% of the total number of turbines),
- 119 generators (42% of the total number of generators),
- 176 transformers (61% of the total number of transformers),
- 396 high voltage switches,
- ~ 8 thousand units of secondary switching equipment,
- more than 4,000 units of auxiliary equipment; in addition, it is planned to perform the reconstruction of hydraulic structures.

Main results of PCM PJSC RusHydro

Results, units			Increase of installed capacity, MW		
	2017	2018 forecast		2017	2018 forecast
Turbines	18	7	Zhigulevskaja HPP	21.0	10.5
Generators	10	5	Volzhskaya HPP	10.5	10.0
Transformers	2	11	Saratovskaya HPP	6.0	6.0
High voltage switches	23	21	Novosibirskaya HPP	5.0	5.0
Hydraulic structures	11	38	Votkinskaja HPP	0.0	15.0
Secondary switching equipment	608	481	Cascade of Verkhnevolzhskiy HPPs	0.0	10.0
Auxiliary equipment	578	265	Total	42.5	46.5

Index of the status of groups of main equipment, %

m 1:	· ·
Turbine	76.50
Generators	77.25
Transformers	67.92

Technical upgrade and reconstruction program

The technical upgrading and reconstruction program (further - TURP) is based on a comprehensive modernization program. It aims to maintain the proper operating condition of the equipment and to introduce new capacities into production, but, unlike PCM, it implies a replacement of the equipment with analogues with improved performance at RusHydro's facilities. TURP also suggests the extension of the standard operating life of the main generating equipment, reduction of production costs, and the increase of the efficiency of stations.

Main types of work on technical re-equipment and reconstruction

Branch Results of 2017 year	
-----------------------------	--

	Replacement of hydroturbines and hydrogenerators № 1, 2.
	Work was done on the construction of the building of the remote control room at 220 kW
Volzskaya HPP	outdoor switchgear
Votkinskaya HPP	Replacement of the Hydroturbine and Hydrogenerator hydroelectric units № 4
	The project on the reconstruction of hydroelectric power units with the replacement of hydro-
	turbines and the modernization of hydrogenerators was completed. In 2017, the plant was put
Zhigulevskaya HPP	into operation. № 8, 11, 20
Kamskaya HPP	Construction of laboratory building of Kamskaya HPP was completed
Cascade Verhnevolzhskih HPP	Reconstruction of hydraulic unit № 1
	Works on the manufacturing and the supply of hydro turbines, hydrogenerators and automatic
Nizhegorodskaya HPP	control systems of hydroelectric unit № 1
Saratovskaya HPP	Replacement of hydroturbine № 13
	Modernization of hydroturbines № 5, 17 - transition from a propeller mode to a usual mode
Cheboksarskaja HPP	(rotary-vane).
	Replacement of excitation systems of hydro generators N. 1-3.
Sayano-Shushenskaya HPP	Reconstruction and replacement of lifting equipment, the replacement of cranes.
Bureyskaya HPP	Modernization of turbine № 5 by mounting the stabilizing device
Zejskaja HPP	Reconstruction of the outdoor switchgear -500/220 kW
	Replacement of hydroturbine № 3
Novosibirskaya HPP	Reconstruction of the HPP Dam was completed
Cascade Kubanskiye HPPs	Development of working documentation for the modernization of HPP-2 of Sengileevskaja HPP
Cascade Kubaliskiye HFFS	Modernization of hydro turbine equipment hydroelectric unit № 1 Miatlinskaja HPP – it was
	replaced and its replacement led toan increase in rated power of 10 MW and a working wheel
Dagestan Branch	camera
Zagosan Branon	Creation of a duplicate communication channel with the main control Panel of Cascade of
	Kuban HPP.
Karachay-Circassian Branch	Server upgrade
	Modernization of the station system of the top level of automated control system for the
Kabardino-Balkaria Branch	technological process of electricity generation
	The construction of the Yezminskaja HPP canal was completed, bypassing the main
North Ossetia Branch	structures with the additional sump
	Replacement of arching cameras gas-insulated switches FKG2S.
Zagorskaya PSPP	Modernization of an automated measurement system of commercial electricity accounting

The program of technical re-equipping and reconstruction of Subgroup RAO ES East is part of the investment program of the Subgroup and is connected with the need to maintain the reliability of all technological facilities in the long term. Development and implementation of the program takes place within the framework set by the technical policy of RusHydro Group.

Main types of work on TURP Subgroup RAO ES of the East

Company Name	Events
JSC DGK	Transition of boiler № 8 to gas
PJSC Magadanenergo	Reconstruction of substations 220 kW "Orotukan", "Palatka", "Centralnaya"
PJSC Sahalinenergo	Development of Sports Complex "Mountain Air" (reconstruction)
JSC"Chukotenergo	Transition of Anadyr CHP to gas

As a result of TURP Subgroup Rao East:

- Introduced 1.3 MW of new capacity,
- Introduced 17.2 km of heat networks,
- Introduced 189.82 km of overhead power lines.

Implementation of the TURP program by Subgroup RAO ES of the East, thousand rubles, without VAT

	2016	2017
JSC DGK	4,636,070	2,638,059
PJSCKamchatskenergo	759,780	394,644
JSC YuESK	372,300	59,746

PJSCMagadanenergo	1,050,410	763,558
JSC "Chukotenergo"	313,700	139,935
PJSCSahalinenergo	1,333,600	849,611
JSC DRSK	726,800	2,243,954
PJSC "Mobile Energy	56,050	56,430
PJSCJakutskenergo	1,746,300	439,378
JSC Sahaenergo	328,400	62,061
JSC Teplojenergoservis	129,900	82,273

Expenses for repair works, technical re-equipment and reconstruction, mn rubles.

PJSC RusHydro and PJSC RusHydro (except Subgroup Rao ES East)					
	2015	2016	2017	2018 Plan	
Repair works	3,081	2,748	2,737	2,898	
Technical rehabilitation and reconstruction	28,560	27,258	27,622	23,008	
Subgroup RAO ES of the East					
2015 2016 2017					
Repair works	11,227	11,568	12,693	12,993	
Technical re-equipment and reconstruction	6,218	7,142	7,729	12,523	

In 2018, Rushydro Group planned the increase of installed capacity of PJSC RusHydro by 46.5 MW withe help of technical re-equipment of hydropower facilities:

- Changing hydroturbines 7 PCs,
- Changing hydrogenerators 2 PCs,
- Constructing gas-insulated switchgear with the capacity of 500 kW.

2.2.4 Energy efficiency and energy saving

The main shareholder PJSCRusHydro, Russian Federation, challenges energy companies to increase energy security and reduce power consumption. In accordance with the state program "Energy efficiency and power development", approved by the Decree of the Government of the Russian Federation of 15.04.2014 № 321, there are three main directions for improving energy efficiency in the use of all types of energy resources:

- energy efficiency,
- development and modernization of electrical power,
- development of the use of renewable energy sources.

Energy efficiency of hydropower

Hydropower is one of the main branches of the electrical power industry, providing a significant contribution to energy production. At the same time, hydropower is the most economically efficient and environmentally safe industry. Hydropower plants have their own peculiar features that require a special approach to the assessment of energy efficiency and finding ways increase of energy efficiency. Hydropower plants, in addition to power generation, carry out a number of functions, which are critically necessary both for the energy industry and for the life of large groups of the population. These include the hydrotechnical problems of river flow regulation, flood prevention, irrigation of agricultural lands, automobile and railroad transportation across rivers as well as shipping.

In this connection, the hydroelectric power plants may be subject to requirements, sometimes diametrically opposed, which significantly complicates the analysis of their functioning. For example, a discharge of water reduces the overall energy efficiency of the HPP, but it provides a vital drainage of the river, and the operation of the hydrogenerator in the synchronous compensator mode reduces the overall efficiency of the HPP, but ensures the stability of the energy system as a whole.

Due to the lack of consumption of any fuel for the production of electricity, the analysis of energy efficiency of hydropower plants excluded this main cost item, inherent in other types of power plants, with the exception of renewable energy sources. Therefore, the main subject of analysis is its own consumption of power plants. The main directions of energy efficiency improvement in PJSC RusHydro:

- modernization of internal and external, working and emergency lighting systems (partially with automated control);
- modernization of ventilation and air conditioning systems of main and auxiliary buildings of HPP (including the introduction of weather regulation);
- reconstruction of heated buildings and structures, elimination of leaks of warm air, reduction of the degree of infiltration of premises;
- reconstruction of heating and hot water supply systems, electro-boiler houses, modernization of pumping stations, elevators (with the replacement of mechanisms, with the use of frequency-controlled drives);
- replacement of hydraulic units with higher output coefficient; modernization of automatic control systems of hydraulic units and excitation systems of generators;
- modernization and reconstruction of hydraulic structures, including working and emergency-repair shutters, phased reconstruction of knots and sections of water intakes, and industrial water disposal;
- replacement of power transformers with energy-saving analogues, replacement of air circuit breakers with transition to gas-insulated circuit breakers (considering the withdrawal from compressor operations).

Energy saving and efficiency program

In 2015 PJSC RusHydro approved the Program of energy saving and increased energy efficiency (hereinafter - ESEP) for the period of up to 2020, which contains a list of the main works on increasing the efficiency of energy and water resources use, as well as a number of priority energy-saving solutions. In 2017, the

The overall effect of the energy efficiency measures of PJSC RusHydro in 2017 was 114,601 thousand kWh, equivalent to 38,964 tonnes of reference fuel

programwas updated on the results of the review in Ministry of Energy of Russia in connection with the changed requirements of legal acts. The updated program was compiled according to the results of an energy survey, held in the period of 2010-2016.

For the year of 2017 the implementation of ESEP contributed to energy savings on consumption for own needs of 40,816 kWh, additional output from the implementation of measures was 73,785 thousand kWh.

Due to the selection of the optimal equipment, the optimisation of the repair company, the operation of

hydroelectric power plants at heads higher thanaverage annual values and the reduction of idle water discharges by redistributing the reserves of automatic secondary regulation to other hydroelectric power stations of the cascade, additional generation of electric power of 750 million kWh is ensured.

According to the results of 2017, RusHydro Group (without RAO ES East Subgroup) spent 503 million rubles on energy saving, and 7,520 million rubles on power efficiency.

As part of the implementation of the system of planning

In order to increase the level of automation of energy saving activities and increase the power efficiency by the order of PJSC "RusHydro" from 13.12.2017 N0 872 the chart and roadmap for the replication of typical software on the basis of information management system of energy administration was approved.

In 2017, the energy management system of JSC YuESK was implemented in accordance with the requirements of ISO 50001:2011 (USSR R ISO 50001-2012) "Energy management system. Application requirements and guidelines". By order of JSC YuESK from 26.04.2017 G. № 127 "A" approved 9 system local normative acts.

of regimes at HPP, tests and acceptance tests of all modules (medium and short-term planning) of the IS "Dispatch Center-2" were carried out. As a result, it was decided the system was fully ready for the procedure for acceptance of IS and its launch into commercial operation.

In accordance with the schedule of energy inspections of branches in PJSC RusHydro in 2017, energy audits of twenty sites of Dagestan, Kabardino-Balkaria, Karachaevo-Cherkessk branches and three facilities of PJSC Kolymaenergo were carried out. For all branches and controlled companies on which the energy audit was conducted, energy passports (specifications), energy saving and energy efficiency programs were developed, reports with recommendations were prepared.

Own consumption

Volume of own consumption by the types of energy resources of RusHydro Group (without RAO ES of the East Subgroup)

	2015	2016	201	17
Type of energy resource	Volume of consumption in physical terms	Volume of consumption in physical terms	Volume of consumption in physical terms	Volume of consumption, thousand rubles
Thermal energy, Gcal	429,026	426,100	419,260	71,659
Electrical energy, MWh	1,396,343	1,503,246	1,457,409	1,049,511
Gasoline for automobiles, l	424,143	389,018	447,458	16,027
Diesel fuel, l	1,762,854	1,249,619	1,559,797	57,702
Natural gas, m ³	58,716	40,241	39,700	186

Specific energy consumption by RusHydro Group (without RAO ES of the East Subgroup)

Specific energy cons	umpuon by Rushiyaro Group	(without KAO ES of the East Subgroup)			
Period Power genera thousand kV		Own consumption, thousand . kWh	Specific weight of own consumption in annual output,%		
2015	93,100,233.74	1,396,343.8	1.5 %		
PJSC RusHydro	77,406,430.00	1,207,480.83	1.6 %		
JSC Geotherm	409,672.00	33,267.00	8.1 %		
JSC Pauzhetskaja GeoPP	42,262.74	7,484.48	17.7 %		
PJSCKolymajenergo	1,672,764.00	53,916.00	3.2 %		
PJSC Kamgjek	38,954.00	1,172.00	3.0 %		
JSC IEC	453,375.00	10,108.85	2.2 %		
PJSC "Boguchanskaja HPP"	13,076,766.00	82,913.92	0.6 %		
2016	106,800,700.86	1,493,944.32	1.4 %		
PJSCRusHydro	90,279,428.08	1,292,184.31	1.4 %		
JSCGeotherm	400,199.00	33,748.00	8.4 %		
JSC "Pauzhetskaja GeoPP"	43,109.31	7,506.21	17.4 %		
PJSC Kolymajenerg	1,663,482.00	50,672.00	3.0 %		
PJSC Kamgjek	39,405.00	1,531.00	3.9 %		
JSCIEC	405,464.00	10,548.59	2.6 %		
PJSC Boguchanskaja HPP	13,969,613.47	97,754.21	0.7 %		
2017	107,121,497.65	1,449,155.15	1.35 %		
PJSCRusHydro	91,146,260.29	1,258,712.39	1.4 %		
JSC Geotherm	392,056.00	32,601.00	8.3 %		
JSC Pauzhetskaja GeoPP	43,920.05	7,874.49	17.9 %		
PJSC Kolymajenergo	1,747,610.00	50,344.00	2.9 %		
PJSC Kamgjek	38,225.00	1,282.00	3.4 %		
JSC IEC	466,021.00	10,284.47	2.2 %		
PJSCBoguchanskaja HPP	13,287,405.31	88,056.81	0.7 %		

Volume of own consumption by types of energy resources by RAO ES of the East Subgroup (302-1)

Fuel consumption from non- renewable sources	Volume of consumption in natural terms			Volume of specific consumption per unit of generated energy			
Subgroup Rao ES East	2015	2016	2017	2015	2016	2017	

Power consumption, mn kW h	4,647.66	4,543.87	4,553.48	0.137	0.143	0.139
Consumption of thermal energy, thousand Gcal	646.55	627.56	623.43	0.021	0.020	0.021
Coal, thousand tons	17,341.65	16284.68	16,765.01			
Fuel oil, thousand tons	102.01	101.86	107.95		385,319	385,174
Other fuel, thousand tons, including diesel fuel, kerosene, firewood	126.60	128.74	126.74	385,39 */ 160.748 * *	*/ 161.216 *	*/ 159.867 * *
Natural gas, mn. m ³	5,300.74	5,068.09	5,125.38		Ψ	~ ~
Gasoline, l		Not used		N	ot used	
Gasoline, 1 Fuel consumption from renewable sources		Not used f consumption rms, thousand		Volume of speci unit of develop	fic consump	
Fuel consumption from renewable		f consumption		Volume of speci	fic consump	
Fuel consumption from renewable sources	tei	f consumption	l m ³	Volume of speci unit of develop	fic consump ed energy, n	n ^{3/} kwh
Fuel consumption from renewable sources Subgroup Rao ES East	2015	f consumption rms, thousand 2016	1 m ³	Volume of speci unit of develop 2015	fic consump ped energy, n	2017

Indicators of specific consumption of fuel per unit of produced energy include:

Specific costs of conditional fuel by companies on Subgroup RAO ES of the East (302-3)

Indicator name			
	2015	2016	2017
Specific consumption of conventional fuel for the release of	385.390	385.319	385.174
electrical energy, g/kwh.			
Specific consumption of conditional fuel for the release of thermal	160.748	161.216	159.867
energy, kg/gcal.			

ESEP Activities

Main directions of ESEP activities on Subgroup RAO ES of the East

Main directions of energy conservation measures	Results (effects) in 2017			
	Million rubles	Tonnes of reference fuel		
Improvement of technological processes	83.7	18,286.89		
Optimization of energy consumption regimes	30.86	5,279.04		
Improvement of power supply schemes	1.54	141.78		
Reconstruction and modernizationmodernization of power	46.43	10,842.23		
plants				
Introduction of new technologies and equipment	4.84	669.09		
Improving energy accounting tools and systems	21.11	241.14		
Other activities	248.37	6,089.63		
Total	436.85	41,549.80		

Total reduction of energy consumption as a result of the implementation of measures on approved programs of power saving and increase of energy efficiency of companies of Subgroup RAO ES of the East in 2017 year was 41,549.8 tonnes of reference fuel.

Energy savings by Subgroup RAO ES of the East (302-4)

Types of energy savings	2015	2016	2017
Gas saving, thou. m3	752.33	445.60	270.13
Economy of diesel fuel, ton of reference fuel	188.75	6.97	44.79
Economy of different fuels, ton of reference fuel	31,848.90	18,045.00	27,466.75
Economy of heat energy, Gcal	39,454.08	19,482.00	27,867.67
Energy saving, thou. KWh	65,307.19	70,610.00	87,150.56

^{*} Specific consumption of conventional fuel for the release of electrical energy, g/kwh;

 $^{**}Specific \ consumption \ of \ conditional \ fuel \ for \ the \ release \ of \ thermal \ energy, \ kg/Gcal.$

Expenses on measures in accordance with the approved programs of energy saving and the increase of

Building a consumer behavior model

All the branches of the company joined the festival of Energy Saving #Togetherbrighter, the main purpose of which was to popularise the culture of careful attitude to nature and demonstrate modern energy-efficient technologies among citizens and different sectors of the Russian economy. Special attention was paid to activities for children and young people: in the framework of the festival, there were excursions to hydro power stations, lessons of ecology and economical attitude to energy resources, contests, and quizzes.

PJSC "RusHydro" together with the Government of the Republic of Sakha (Yakutia) held the V International Conference "Development of Renewable Energy (RES) in the Russian Far East". More than 350 delegates from 112 Russian and foreign organisations participated in the event.

power efficiency of companies of Subgroup RAO ES East in 2017 were 1,433.6 million rubles, and the annual economic effect of their implementation was 436.85 million rubles.

Energy efficiency plans for 2018

In accordance with the decree of PJSC RusHydro of 13.12.2017 № 873 developed and approved ESEP for the period of 2018-2023, in the framework of which in 2018 it is planned to implement measures to increase efficiency worth 2,518.2 million rubles, the realization of which will allow to get an annual effect worth 386.85 million rubles.

2.2.5 Procurement activities

Procurement management

To support its activities, RusHydro Group buys a large number of works, services and products from third parties. RusHydro Group approved a number of local normative documents (acts) aimed at preventing non-targeted and inefficient use of funds.

The company's activities in the field of procurement are regulated by the requirements of the RF legislation, in particular, the requirements of the federal law of 18.07.2011 № 223-FZ "About procurement of goods, works, services by separate types of legal entities", as well as Regulations on the procurement of products for the needs of PJSC RusHydro (approved in a new version by the decision of the Board of Directors of PJSC RusHydrodated 23.06.2016 No. 239). The use of these regulatory instruments contributes to the regulation of procurement, and the timely and high-quality provision of goods, works, services, as well as economical expenditure of the Group's funds.

Regulation of the procurement activities involves the application of mandatory procedures, including careful planning of product requirements; market analysis; information openness of procurement; actions aimed at the achievement of equality, fairness, non-discrimination and unjustified restrictions of competition in relation

to the participants of the procurement, the purposeful and costeffective expenditure of funds for the acquisition of goods, works, services and other activities.

To increase the efficiency, transparency and fairness of procurement, RusHydro Group is guided by the following principles:

In 2017, PJSC RusHydro made 1,105 competitive purchases in electronic form for the sum of 63,471,887.40 thousand rubles, which is 99.6 % of the cost of competitive procurement.

- openness (transparency)
- competitiveness
- validity
- efficiency

Control and coordination of procurement activities in PJSC RusHydrois occupied by a permanent collegial body – the Central Purchasing Commission (CPC). For the immediate organization and conduct of procurement procedures, CPC appoints a standing procurement commission.

For the immediate organization and conduct of procurement procedures, CPC appoints a standing procurement commission. The procurement commissions are allocated to the commissions of the 1st and 2nd level, as well as to the specially created procurement commissions.

PJSC RusHydro publishes information about planned purchases of goods, works and services of the company, places actual official publications on purchases, containing the name procurement (subject of purchase), significant conditions in competitive procurement and other information on procurement on the official website of the Russian Federation www.zakupki.gov.ru, as well as on electronic trading platforms www.b2b-energo.ru and https://rushydro.roseltorg.ru. According to the results of purchases, the information

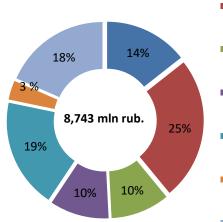
on the results of the purchase with the indication of the winner of the purchase and the bid of the winner of the competitive procedure is published.

Implementation of the annual comprehensive procurement program (102-9)

Implementation of the annual comprehensive program, types of procurement

implementation of the annual comprehensive program, types of procurement					
	RusHydro Group (without Subgroup Rao ES East)	Subgroup Rao ES East			
Number of procurement procedures, units	4,709	11,111			
Volume of purchases in 2017 (by direction)	Current production activity – 84,911.7 million rubles including VAT Investment activities 28,475.9 million rubles including VAT	Operation activity – 166,152.1 million rubles including VAT Investment activity-30,987.4 million rubles including VAT			
Share of purchases via the electronic trading platform (e-commerce),%	87.95	42.12			
Share of purchases from open sources,%	67.79	42.37			
Share of purchases from a single source,%	32.09	57.10			
Share of purchases in closed form (from a limited number of sources),%	0.12	0.53			

Purchases of PJSC RusHydro at a single source



- Services of specialized design institutes of the industry by the decision of the Board; 1,259 million rubles.
- Services of profile maintenance and repair services under the decision of the Board; 2,153 million rubles.
- Others (spare parts, equipment from manufacturers' monopolists, pre-purchasing for unification); 888 million rubles.
- Services of state monopolies: payment for use of water objects; 891 million rubles.
- Services of state monopolies: departmental and extra-departmental security; 1,650 million rubles.
- Other state monopolies services; 289 million rubles.
- Other state monopoly services: municipal, verification, hydrometeorological information, industry, land lease; 1,613 million rubles.

Procurement efficiency at PJSC RusHydro

	Planned value of	Average market the cost	Total cost of	Simple econon	nic efficiency	Efficiency re average	
Type of activity	purchases, thousand rubles including VAT With VAT	of participants ' offers, thousand rubles including VAT	purchases, thousand rubles including VAT	Thousand rubles.\ (art. 2-St4)	% (art. 5/art.2) x 100	Thousand rubles.\ (art. 3 Art. 4)	% (Art. 7./Art.3 * 100)
1	2	3	4	5	6	7	8
Current production activity	75,772,279.64	67,485,763.76	62,623,189.32	13,149,090.32	17.4	4,862,574.44	7.2

	Planned value of	Average market the cost	Total cost of	Simple economic efficiency		Efficiency regarding average price	
Type of activity	purchases, thousand rubles including VAT With VAT	of participants ' offers, thousand rubles including VAT	purchases, thousand rubles including VAT	Thousand rubles.\ (art. 2-St4)	% (art. 5/art.2) x 100	Thousand rubles.\ (art. 3 Art. 4)	% (Art. 7./Art.3 * 100)
1	2	3	4	5	6	7	8
Investment activities	11,299,487.04	11,070,800.51	9,818,154.79	1,481,332.25	13.1	1,252,645.72	11.3
Total	87,071,766.68	78,556,564.27	72,441,344.12	14,630,422.56	16.8	6,115,220.15	7.8

Procurement from small and medium-sized businesses

To maintain competition and sustainable development of small and medium-sized businesses, RusHydro Group seeks to collaborate with these enterprises in procurement activities.

PJSC RusHydro has a partnership program between PJSC RusHydro and subjects of Small and Medium Businesses (hereinafter – the Partnership Programme), approved by the decree of PJSC RusHydro of 16.07.2014 № 568. The Partnership Program was set up in accordance with the methodological recommendations of the Ministry of the Russian Federation (01.11.2013 № 23941-EE/d28i)

The Partnership Program is published on the website of PJSC RusHydro (http://zakupki.rushydro.ru/References/PartnerProgramMsp?sectionId=7). The register of Small and Medium Business entities included in the Partnership Program is placed on the official website of PJSC RusHydro in the section "Procurement" and updated as new participants are included.

On the website of the Unified Information system in the field of procurement (http://zakupki.gov.ru/epz/gws/quicksearch/search.html) and the site of PJSC RusHydro contains a list of goods, works, services, purchases of which are carried out by the subjects of small and medium enterprises.

By the decision of the Government of the Russian Federation of 11.12.2014 № 1352 "About the peculiarities of participation of small and medium enterprises in the procurement of goods, works, services by certain types of legal entities" RusHydro's planned indicators for purchases of small and medium-sized businesses were approved for the year of 2017. At the end of the year, the group was able to achieve much more than the plan. The actual result considerably exceeded the plan and the respective indicator of 2016, for the following reasons:

-the procurements planned in the previous periods (2014-2017) were included in the calculation and the procurements required an advance (2018);

-at the end of the reporting period, a number of categories were included in the procurement profile of SMEs under the law, which were excluded earlier.

Proportion of purchases from small and medium-sized enterprises in 2017,%

		Plan	Fact
Share of purchases from SMEs of total annual value of	PJSC RusHydro	18	85.2
purchases	RusHydro Group		74.6
Share of purchases only among SMEs from the cumulative	PJSC RusHydro	10	38.1
annual value of purchases	RusHydro Group		33.6

In 2018, RusHydro Group plans to carry out purchases from small and medium-sized enterprises for the sum of at least 18% of the total volume of purchases, including at least 15% of purchases carried out with the participation of only small and medium-sized entities.

Import substitution in PJSC RusHydro

As part of the program for the comprehensive modernization of the generating facilities of PJSC RusHydro, the Company plans to increase the volumes of deliveries of domestic machine-building products, which will be ensured by localizing production of certain types of equipment and components in Russia.

To realise the growth of the volume of domestic production in 2017 year it was necessary to carry out:

- changes in the technical policy of PJSC RusHydro were made,
- amendments were made to the regulation on the procurement of products for the needs of PJSC RusHydro,
- amendments were introduced to the Company's local regulations on the preparation of technical requirements for the purchase of products in accordance with the requirements of the

Technical Policy of PJSC RusHydro and the Regulation on the procurement of products for the needs of PJSC RusHydro,

- roadmap for import substitution for the period until 2020 (as part of the long-term Development Program of PJSC RusHydro) was approved.

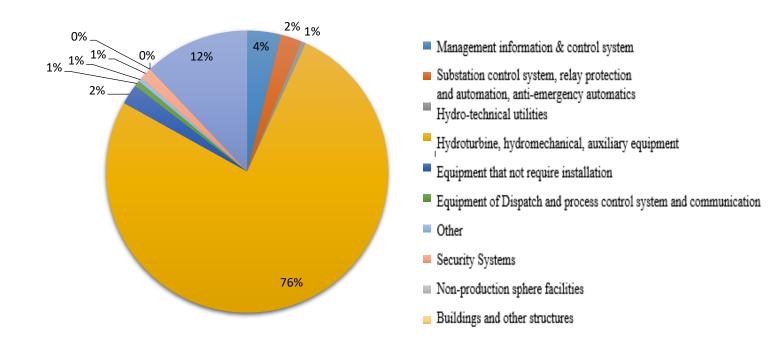
For the purpose of the measures of gradual substitution of purchases of foreign production (works, services), for purchases of equivalent technical characteristics and consumer properties to the Russian production (works, services), it is proposed to reduce the share of imported equipment in the framework of production activities.

Share of imported equipment, %

	2015	2016	2017	2018	2019	2020
Plan	58	56	52	23	16	12
Fact	41	36	22	-	-	-

The import-substitution road map for the period until 2020 was approved as part of the Long-term Development Program of PJSC RusHydro, the Board of Directors' minutes No. 212 of April 3, 2015. For the year of 2017, the indicator of the Roadmap "The share of imported equipment" is 22 %, which corresponds to the benchmark that provides for the non-exceeding of the indicator "Share of imported equipment" -52 %.

Imported Equipment



Plans to improve procurement activities for 2018

- -adjustments of procurement activities in accordance with the amendments of the Federal Law of 18.07.2011 № 223-FL "On the procurement of goods, works, services by certain types of legal entities";
- -optimisation of procurement processes;
- -automation of procurement activities, including the development of an automated analytical reporting system.

2.3 Investment and innovation activities

2.3.1 Investment activity

Events 2017

• Financing of the consolidated investment program amounted to 92,0 billion rubles (65.6 billion rubles was spent on investment projects of RusHydro Group (excluding Subgroup RAO ES of the East), 26.4 bln. rubles—Subgroup RAO ES of the East)

• Commissioning of new capacity: generation capacity – 242.28 MW, thermal energy – 475.34 Gcal/transmission lines – 1,470.68 km, transformer capacity – 455.78 MWA.

Principles of the investment policy of PJSC RusHydro

The compliance of investment decisions and projects with statutory requirements, building codes and regulations and environmental standards

Compliance with the sequence of stages of implementation of investment projects

The compliance of investment decisions and projects with the requirements to the levels of profitability and risk established by

Analysis of the benefits and costs of implementing alternative investment decisions at the end of each stage of the investment project with a change in its main parameters

Provision of all investment projects with funding sources

The investment activity of the Company is regulated by the Regulation on the investment management process in the form of capital investments.

Approval of the investment programs is within the competence of the Boards of Directors of RusHydro Group companies. In addition, the investment programs of the electrical power entities within RusHydro Group are approved by the authorised executive bodies. The projects of the investment programs of RusHydro Group companies are formed on the basis of the parameters of RusHydro Group's consolidated investment program project approved by the Management Board of JSC RusHydro and considered by the Board of Directors of PJSC RusHydro. Before submitting investment programs to the authorized bodies of executive power for approval, the projects of investment programs of the electrical power industry subjects are preliminarily approved by the Boards of Directors of the respective companies.

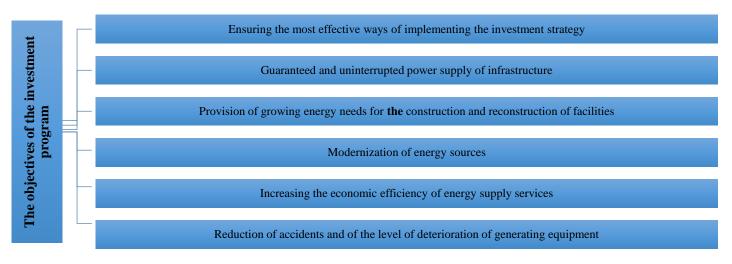
Investment Program

Investment program of PJSC RusHydro for 2017-2027 was approved by the Decree of the Ministry of Energy of Russia of 30.12.2016 № 1458 and in accordance with the decree of the Ministry of Energy of Russia of 29.12.2017 № 34 "On approval of the investment program of PJSC" RusHydro "for period of 2018-2027"

and changes introduced in the investment program of PJSC RusHydro approved by the decree of the Ministry of Energy of Russia of 30.12.2016 № 1458 (date of publication: 29.12.2017), provides for the correction of the parameters of its implementation in 2017.

There are no investments with an expected returnof more than 10 % per year.

The adjustment of the business plan for 2017, approved by the decision of the Board of Directors (Protocol 13.10.2017 № 258), verified the parameters of the adjusted investment program of PJSC RusHydro for 2017.

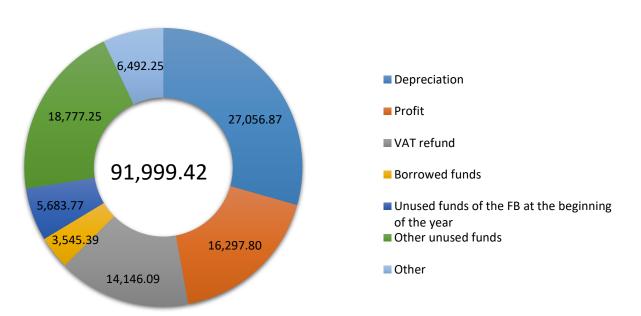


Implementation of RusHydro group's investment program in 2017

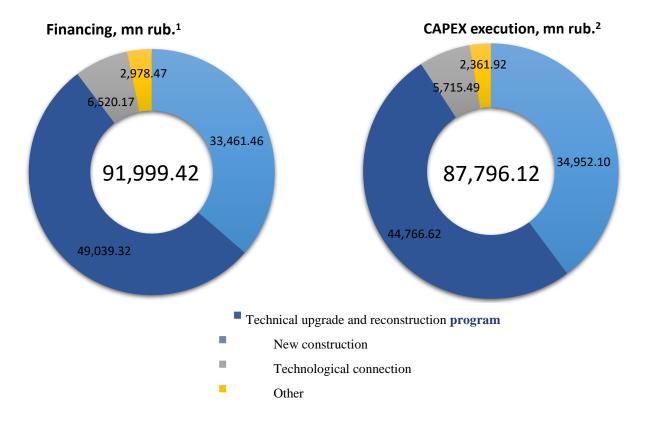
Investment dynamics, mn rubles.



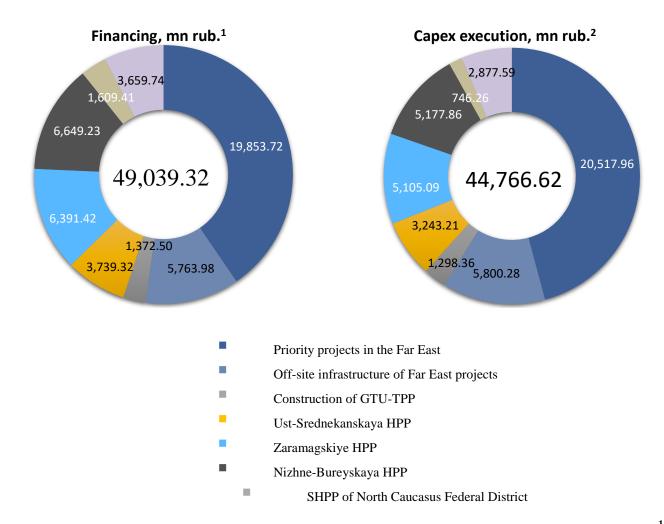
Funding sources structure in 2017, mn rubles.



The main directions of investments within the framework of the consolidated Investment Program of RusHydro Group in 2017 (fact), mn rubles



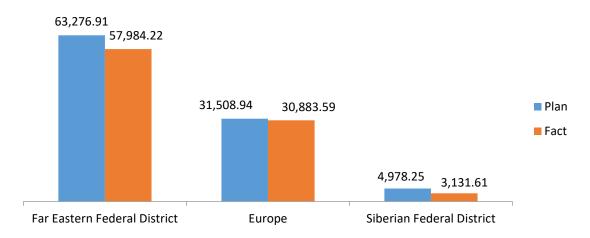




In accordance with the accepted management accounting standards:

The differences between the sum of the investment in accordance with the business plan (87,796 million rubles) and the sum of capital expenditures reflected in RusHydro Group's reporting on IFRS (87,267 million rubles) are explained with the help of capitalised interest accounting rules, accounting rules for capital expenditures at the initial recognition of facilities of fixed assets and unfinished construction in accordance with the International Financial Reporting Standards (IFRS), as well as the difference in the perimeter of consolidation of companies in the part of PJSC "Boguchanskaya HPP" (joint venture of RusHydro Group and UC Rusal).

Financing of the consolidated investment program, break-down by regions in accordance with the business plan in 2017, mn rubles.



Capacity comissioning

Power indicator	Far East		Europe and Siberia		
	Plan Fact		Plan	Fact	
Generation, MW	517.31	197.52	89.76	44.76	
Heat energy, Gcal/h	474.98	475.34	-	-	
Transmision lines, thousand km	1,068.86	1,470.68	-	-	
Transformer capacity, MV * A	710.74	455.78	-	-	

Main investment projects (under construction) of RusHydro Group

Main investment projects (under construction) of RusHydro Group					
Projects	Design capacity	Start of construction	End of construction*	Power input 2017	Power input 2018 (PLAN)
Priority projects in the Far East:					
1st stage of Sakhalinskaya GRES-2 Due to a new power station the problem of the substitution of the ageing Sakhalin power plant will be solved, as well as the efficiency of Sakhalin power system functioning will be improved.	120 MW 18.2 Gcal/h	2011	2018	-	120 MW
CHP Plant in Sovetskaya Gavan The CHP plant is being built to replace the outgoing capacity of the Mayskaya GRES and to meet the growing electricity	120 MW 200 Gcal/h	2011	2019	-	-

¹ – The financing of the investment program means the amount of money spent by the companies of RusHydro Group on the implementation of investment projects, including transfers to suppliers and contractors, as well as expenses carried out by Customers;

² – Capital investments are understood to mean the volume of capital investments accepted for accounting on the basis of acted volumes, accepted from suppliers and contractors, and reflected in the accounting of customer's expenses.

demand for the scheduled power outages in Sovetskaya Gavan.					
The first stage of the Yakutsk GRES-2	193.48 MW	2011	2017	193.48	_
The project envisages the substitution of capacities of the	469.6 Gcal/h	2011	2017	175.40	
ageing Yakutskaya GRES, ensuring the growth of	109.0 Geal/II				
consumption and increasing the reliability of energy supply					
Construction of gas turbine plant-CHP in Vladivostok on	139.5 MW/	2011	2018		139.5
the central steam-water boiler facility platform	432 Gkal/h	2011	2010		MW/
The project is aimed at replacing the morally and physically	432 GKai/II				432 Gkal/h
obsolete equipment of the existing Artemovskaya CHP, as					432 GKai/II
well as covering the growth of electrical demand in					
Vladivostok					
Total				193.48	259.5 MW
				MW	
Zaramagskie HPP	342 MW	1976	2018	-	342 MW
Construction is carried out in order to cover the electricity					
shortage in the Republic of North Ossetia-Alania from 80%					
to 30%.					
Nizhne-Bureyskaya HPP	320 MW	2010	2019	-	-
The station will become a counter-regulator of the					
Bureyskaya HPP, which levels of daily fluctuations in the					
water level in the river, which are generated by the operation					
of the hydroelectric power station. This will remove the					
restrictions on the operation modes of the Bureyskaya HPP					
and eliminate the winter flooding of a number of settlements					
located in the downstream.					
The A.F. Dyakov Ust-Srednekanskaya HPP on the	310.5 MW	1991	2018	-	142.5 MW
Kolyma River					
Increase of the reliability of the power system, the supply of					
electricity to mining enterprises of the region					
Gasification of Anadyr CHP		2015	2018	-	
Provision of reliable heat and power supply to the Anadyr					
energy hub; improving the efficiency of the electricity					
generation of the Anadyr CHP by using a more economical					
type of fuel; creating conditions for curbing tariff growth;					
improving the ecology of electricity generation in Anadyr					
Construction of two single-circuit HVL 110 kV	490.59 km	2018	2020	-	-
Pevek-Bilibino (construction stage № 1)	12.6 MBA				
Ensuring the flow of electric power in the Chaun-Bilibino					
energy center in connection with the construction of the					
floating NPP; Increasing the reliability of the functioning of					
the Chaun-Bilibino power district					
Construction of a wind power station (VES) 900 kW in the	0.9 MW	2017	2019	-	-
village of Tiksi, Bulunsky ulus					
Substitution of the output of a local diesel power plant (DPP					
of Bulun Electric Power Grids of JSC Sakhaenergo) for					
generation from a renewable energy source. As a result, the					
expensive diesel fuel will be saved.					
Construction of a DEL-3000 kW with a storage tank as	3000 kw	2018	2020	-	-
part of the wind farm in the village of Tiksi, Bulunsky ulus					
The construction of a diesel power plant based on equipment					
from Japanese manufacturers, which is an integral part of the					
normal and effective operation of the wind farm as part of a					
single wind farm complex and testing of modern technologies					
for the accumulation of electricity in order to provide reliable					
power supply in the village of Tiksi;					
reduction of fuel consumption for electricity generation					
Technological connection of HVL 220 kV "Orotukan-	220 kv	2017	2018		
Palatka-Tsentralnaya"	LLU KI	2017	2010	=	
Implementation of technological connection of HVL 220 kV					
"Orotukan-Palatka-Tsentralnaya" to the electrical networks					

of PJSC Magadanenergo, in accordance with contract No. 797								
/ 20-2016 of July 29, 2016.	/ 20-2016 of July 29, 2016.							
Expansion of the Maya 220 kV substation and	25.86 km	2017	2018	-	25.86 km			
construction of the Megino-Kangalas Region power	92.04 MW				92.04 MW			
transmission lines of the Republic of Sakha (Yakutia) for								
connection to the electricity grids of PJSC FGC UES of								
the electrical installations of PJSC Yakutskenergo (Phase								
2 of construction - construction of calls)								
Providing parallel operation of the South Yakutia and Central								
Power Regions of the Republic of Sakha (Yakutia) and								
improving the reliability of power supply for the Zarechny								
group of districts.								

^{*} signing the act of acceptance for the completed construction of the facility and its launch

Plans for investment activity

Investment plans for 2018

	RusHydro Group
Volume of investments, million rubles	122,791.71
Including:	
Technical re-equipment, reconstruction and	34,302.63
modernization	
New construction	71,242.71
Technological connection	12,302.61
Other	4,943.77
Input power	
Generation, MW	797.12
Thermal energy, HcaL/h	782.89
Transformer capacity, MV * A	992.37
Network economy, km	1,728.79

^{*} Investment program of PJSC RusHydro for 2018 was aapproved as part of the business plan of PJSC RusHydro for 2018-2022. (Minutes of the Board of Directors from 26.12.2017 № 264).

2.3.2 Innovative development

RusHydro Group innovative development program for 2016-2020, with the prospect of prolonging it till2025

The main objectives of the Innovative Development Program of RusHydro Group for the medium term are to increase the economic and operational efficiency of the Company's operations through the introduction of innovative technical and management solutions aimed at:

- increasing the service life and productivity of equipment;
- developing technologies to increase reliability and economic efficiency of equipment operation;
- improving the quality of equipment diagnostics and proactive identification and elimination of production risks;
- reducing the dependence on imported equipment and focusing on import substitution;
- reducing the negative footprint on nature;
- increasing energy efficiency and reducing losses.

The main objectives of the Innovative Development Program of RusHydro for the long term are:

- 1. Ensuring the compliance of the Company's technological level with the level of advanced world and domestic energy companies, including:
 - development of efficient technologies for the construction, repair and reconstruction of generating capacities;
 - development of technologies in the field of monitoring the status of the main equipment in real time;
 - development of automated equipment maintenance and repair processes;
 - development of new innovative products based on the accumulated knowledge and

experience of PJSC RusHydro (for example, services in the field of energy efficiency, storage of electrical power, infrastructure for electric transport, materials with new properties).

- 2. Development of clean energy sources, including:
 - development of hydropower potential in some regions of the Russian Federation;
 - development of alternative energy on renewable energy sources (geothermal energy);
 - analysis of the application and development of mini-HPP technologies.

Key performance indicators of the Innovation Development Program of RusHydro Group

KPI	Target KPI values					
MI	2017	2018	2019	2020		
Share of R & D expenses in revenues, %	0,25	0.25	0.25	0.25		
Growth in the number of intellectual property assets put on the balance sheet, %	5	5,5	6.5	7		
Efficiency of hydropower capacity management , person/100 MW	21.26	20.52	20.36	20.13		
Share of innovative products in total volume of purchases,%	1.1	1.21	1.33	1.46		
Specific costs for repairing the HPP, thousand rubles / MW (in 2000 prices)	20.1	19.9	19.8	19.6		

Integration of the innovation management system of PJSC RusHydro and the Subgroup RAO ES of the East

The innovative development programs of RusHydro Group and Subgroup Rao ES East are integrated as follows:

A. The programs are synchronized in terms of the performance of the indicators included in the integral KPI of the innovation activity of PJSC RusHydro:

- share of R & D expenses in revenues, %;
- an increase in the number of assets of intellectual property placed on the balance sheet for the reporting period, %;
- coefficient of fuel use, % (only for JSC "RAO ES of the East").
- B. Consideration and approval by the Board of Directors of PJSC RusHydro of the Innovative Development Program of the RAO ES East Holding and annual reports on its implementation as part of the RusHydro Group Innovation Development Program.

Scope and sources of financing of the Innovation Development Program (IDP)

The volume of financing of the Program of innovative development of Group RusHydro Group (without considering the volume of financing of the Program of innovative development of RAO ES of the East Holding) on the results of 2017 was 586.7 million rubles, Subgroup RAO ES of the East – 1,602.8 million rubles. All activities of RusHydro Group's IDP were funded by their own resources

The indicator "The share of IDP in revenue" in the IDP reporting loop is not provided. Performance of the indicator "Share of R & D expenses in revenues, %" for RusHydro Group in 2017 was 0.18%.

The key innovative projects of JSC RusHydro, implemented during 2017:

- development of an Automated system of signaling ruptures and the measurement of turbine expenses on diversion and dam HPP of PJSC RusHydro.
- development of controlled companies-hardware complex of monitoring and forecasting the reliability of hydro-technical structures of HPP (PSHPP) in complex

engineering-geological conditions.

- research of new technologies on the repair and restoration of HS elements with prolonging service life and reliability, development of a guide for implementation.
- a comprehensive assessment of the actual strength of hydroturbine elements operated by hydropower with the methods of numerical analysis of stress-strain state.
- development of recommendations on the accounting of the anthropogenic impact in the tailrace of HPP on the state of

Priority directions of innovative development of RusHydro Group in the field of "hydropower":

- -ecology and environmental protection,
- -hydropotential recycling schemes,
- -technologies of design, construction, reconstruction and repair,
- -energy efficiency and water resource management,
- -monitoring and operating equipment and facilities, -constructive solutions of HPPs, PSPs, RES.

hydropower facilities, equipment and energy efficiency of hydropower plants.
-expansion of the digital platform of the branch of PJSC RusHydro-Nizhegorodskaya HPP.

Key Innovation Project RAO ES of the East Subgroup, unveiled in 2017 - technological solutions to reduce erosion wear and improve reliability of working blades of the latest stages of modern steam turbines by forming multifunctional nanocomposite coatings.

Implementation of the Innovation Development Program in 2017

PJSC RusHydro	Subgroup Rao ES East
The total amount of funding for projects and activities included	In 2017 it was planned to finance the implementation of
in the medium-term plan for implementing the activities of the	activities of the Program of Innovative Development of
Innovative Development Program amounted to 586.7 million	Subgroup Rao ES East for the sum of 1,654.70 million
rubles with a plan of spending 742.5 million rubles. (79 % of the	rubles. The actual financing amounted to 1,602.7 million rub.
plan). The main reasons for the underperformance of the plan are:	(96.9 % of the plan).
contractors failed to fulfil contractual obligations, the company	According to the results of 2017 the KPI of the program of
reduced the cost of activities as a result of procurement	innovative development of JSC RAO ES of the East Holding
procedures, the company transferred financing for a number of	was fulfilled: "The growth of the number of intellectual
projects in 2018 due to the need to clarify the technical	property assets put on balance,%" and "reduction of
requirements for the work, as well as the long duration of	production cost, % change to 2015".
procurement procedures, established in the framework of pilot-	Underperformance of other indicators of the program of
industrial tests.	innovative development of Subgroup Rao ES of the east
	occurred for objective reasons. The main one is the position
	of the Department for the Development of the Electrical
	Power Industry of the Ministry of Energy of Russia on the
	need to reduce the costs of the companies of the RAO ES
	Subgroup of the East for R & D as an activity that is not of
	vital significance for the companies of the Subgroup. As a
	result, the R & D program of the Subgroup of RAO ES of the
	East for 2016-2018 was halved.

Research and development. The most significant projects on sustainable development

Project	Description	Results of 2017 year	Plans for 2018
Development of recommendations on the accounting of the anthropogenic impact in the downstream of the HPP on the state of hydraulic structures, equipment and energy efficiency of HPPs.	The novelty of the work lies in the mathematical modelling of hydrodynamics and channel processes in the lower reaches of the hydroelectric power station with the passage of floods and daily regulation of the power of the hydroelectric power station. Work in this setting is performed for the first time.	Information was collected on the dynamics of channel processes during the operation of hydraulic structures. A program of surveys of channels in the lower reaches of the HPP was prepared.	Carrying out field surveys. Mathematical modelling of hydrodynamics and channel processes in the downstream. Implementation of water and energy calculations.
Development of a water and energy management system based on the Dispatch Center.	Development of tools for forecasting runoffs and the optimisation of operation modes of hydro-energetic facilities for the thorough optimisation of energy production and water-economic activity of hydropower facilities.	Models of annual effluents for Cheboksary and Nizhny Novgorod hydropower plants were developed.	Verification of sewage models of Cheboksarskaya HPP and Nizhegorodskaya GES according to the flood data of 2018 Duplication of the flow model for all HPPs of the Volga-Kama cascade

The most significant projects in the field of development and implementation of innovations aimed at the realization of sustainable development of the companies of RAO ES East Subgroup, in 2017 were the following R & D activities

- Reconstruction of Khabarovsk CHPP-1 for use as a fuel of natural gas with the use of innovative technologies for the preparation and supply of fuel (power boilers).
- Development, implementation and investigation of the effectiveness of the prototype of a multifunctional facility to provide 100% Upper Amga Aldan Ulus with renewable energy sources.
- Development of an agent-freewater treatment technology for the needs of the Primorskaya GRESGRES hot water.

	2017	2017	2017
	Plan, mn rub.	Fact, mn rub.	Fact, %
Total RusHydro Group	477.5	402.4	84.2
Including Subgroup Rao ES East	204.3	166.9	81,7

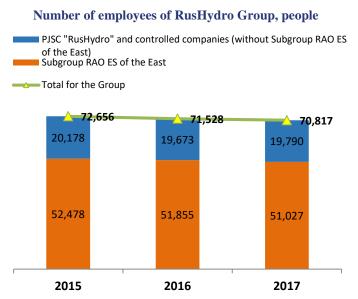
2.4 Social Responsibility

2.4.1 Personnel policy

The employees of RusHydro Group constitute the main value of the company. The group's energy facilities in Russia and abroad are staffed with professionals who have great production experience and extensive technical knowledge. RusHydro personnel policy is aimed at developing the potential of its employees and its use for the realization of the strategic goals of the company. RusHydro strives to maintain stability for its personnel by implementing a socially responsible attitude towards its employees. In particular, the group protects the social and economic rights of workers, ensures their material stability and social guarantees.

Personnel profile

The number of employees of the RusHydro Group, including workers of Subgroup RAO ES of the East (considered in the perimeter of the report), on 31.12.2017 was 70,817 people (including facilities on the territory of the Russian Federation and abroad)³⁴. The number of employees RAO ES of the East Subgroup on 31.12.2017 was 51,027 people.



Most of the staff of RusHydro are employed full-time (98.5% for PJSC RusHydro with its controlled companies and 99.7% for the of RAO ES of the East Subgroup) and on terms of a long-term contract (84.2% for PJSC RusHydro with its controlled companies and 97.2% for the of RAO ES of the East Subgroup).

Number of RusHydro Group employees by country and region as of December 31st, 2017, people (102-7, 102-8)

	Country, Region	Staffing number of employees, people
Russia	Central Federal District	3,835
	Southern Federal District	673
	North-West Federal District	933
	Far Eastern Federal District	53,931
	Siberian Federal District	3,568
	Volga Federal District	3,621
	North Caucasian Federal District	3,496
	Ural federal district	314
Foreign countries	Republic of Armenia	420
	The Republic of Tajikistan	26

³⁴ Indicators of the social category are disclosed in this report in the context of IFR; therefore, comparison with the data of CSR reports for 2016 and 2015 may be incorrect.

RusHydro Group staff structure by gender, region, type of employment and kind of contract, Pers. (102-8)

№	Region	Gende r	Full- timeemploymen t	Part-time employmen t	Long- term contrac t	Temporar y contract
1	Central Federal District	m	1,930	37	1,879	88
		W	1,695	61	1,656	100
2	Southern Federal District	m	503	2	475	30
	V 1 W - F 1 1 1 5 1 1 1	W	167	1	161	7
3	North-West Federal District	m	364	42	396	10
	E E (E 1 1D' () (W	446 2,226	81	510	17
4	Far Eastern Federal District	m	/		1,489	740
	Siberian Federal District	W	1,095 1,960	7 5	789 1,800	313 165
5	Siberian Federal District	m	1,578	24	1,415	187
	Volga Federal District	W	2,619	4	2,529	94
7	Volga Federal District	m w	987	11	949	49
	North-Caucasian Federal District	m	2,962	6	1,869	1099
8	North-Caucasian redetal District	W	515	13	446	82
	Republic of Armenia	m	333	4	236	101
9	Republic of Affilenta	W	78	5	59	24
	The Republic of Tajikistan	m	23	0	1	22
10	The repuest of rajingum.	W	3	0	0	3
	Total PJSC RusHydro and controlled	m	1,2920	103	10,674	2,349
	companies	W	6,564	203	5,985	782
	1	total	19,484	306	16,659	3,131
1	Central Federal District	m	47	1	48	0
1		W	64	0	63	1
2	Far Eastern Federal District	m	34,309	48	33,703	654
		W	16,128	115	15,452	791
3	Siberian Federal District	m	0	0	0	0
3		W	1	0	1	0
4	Ural Federal District	m	237	0	236	1
		W	77	0	76	1
	Total for the Subgroup of RAO ES of the East	m	34,593	49	33,987	655
	Total for the bubgioup of IATO LD of the East	W	16,270	115	15,592	793
		total	50,863	164	49,579	1,448
		m	47,513	152	44,661	3,004
	Total for the Group	W	22,834	318	21,577	1,575
		total	70,347	470	66,238	4,579

The gender composition of RusHydro is heterogeneous, depending on the category of employees. Among leaders, there are three times as many men as women; among specialists and employees, 1.7 times more women than men, and four times as many men than women in terms of workers, which is related to the nature of RusHydro Group's activities.

The number of employees of the RusHydro Group by category as of December 31, 2017(405-1)

	Managers	Specialists and employees	Workers	Total
PJSC RusHydro				
and controlled companies (except for the RAO ES of the East Subgroup)	3,677	7,548	8,565	19,790
RAO ES of the East Subgroup	7,356	13,699	29,972	51,027
Group RusHydro	11,033	21,247	38,537	70,817

27% of employees of RusHydro Group are aged 35 or less. One of the key tasks in the field of personnel management facing RusHydro is to attract young specialists.

Personnel structure of RusHydro Group by age, persons. (405-1)

	<35 years	35-44 years	45-54 years	>55 years	Total
PJSC RusHydro and PA (except for the of RAO ES of the East Subgroup)		5,855	4,807	3,458	19,790
Subgroup RAO ES of the East	13,612	13,917	12,571	10,927	51,027
RusHydro Group	19,282	19,772	17,378	14,385	70,817

Seasonal employment (102-8)

RusHydro's Group attracts additional labor. In particular, in 2017 there were 15 seasonal workers who were hired in connection with the heating season, the restoration of ice fields and the control over the water passes from Lake Sevan. According to the Subgroup RAO ES of the East, 76 employees were involved, 52 of them were attracted by DRSK JSC in connection with the work of the children's health camp "Energetik" during the summer school holidays.

Staff recruitment

The selection of personnel in RusHydro Group, including management positions, is carried out on a competitive basis. This approach allows recruiting motivated professionals who meet the qualification requirements and are potentially capable of professional development. Candidates without restrictions on gender, age and nationality are allowed to compete for vacant seats, the main selection criterion is the qualification of the candidate.

Total number of employees hired and dismissed in 2017, break-down down by age group, sex and region by RusHydro Group, persons. (401-1)

D *	<25 y	ears	25-34 y	ears		5-44 years 45-54 years			>55 years		Total
Region	m	W	m	W	m	W	m	w	m	w	Total
	Hired										
Central Federal District	53	31	161	131	130	100	55	49	75	25	810
Southern Federal District	20	0	25	2	19	5	7	0	1	2	81
North-Western Federal District	13	8	12	16	5	8	5	5	6	7	85
Far Eastern Federal District	843	267	1,728	724	1,313	616	753	334	467	250	7,295
Siberian Federal District	22	27	94	72	69	112	40	33	66	44	579
Ural Federal District	4	1	6	1	0	0	4	0	1	0	17
Volga Federal District	63	8	206	42	172	41	105	41	45	12	735
North-Caucasian Federal District	107	1	193	28	242	31	199	19	66	19	905
Republic of Armenia	1	0	1	1	3	1	8	1	7	1	24
The Republic of Tajikistan	0	0	3	1	3	0	3	0	1	0	11
Total	1,126	343	2,429	1,018	1,956	914	1,179	482	735	360	10,542
				D	ismisse	d					
Central Federal District	26	12	159	105	147	74	78	46	130	79	856
Southern Federal District	13	0	21	4	10	9	10	3	16	3	89
North-Western Federal District	7	4	19	15	6	11	8	5	21	48	144
Far Eastern Federal District	407	126	1 385	597	1, 083	587	822	446	1 453	764	7 670
Siberian Federal District	11	13	98	69	76	120	60	62	115	105	729

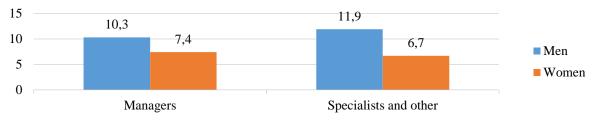
Ural Federal District	5	0	6	0	2	0	0	0	8	2	23
Volga Federal District	36	3	165	24	163	28	86	27	105	46	683
North-Caucasian Federal District	58	3	172	46	117	36	159	30	154	64	839
Republic of Armenia	0	0	3	0	4	0	7	0	3	2	19
The Republic of Tajikistan	0	0	1	0	1	0	0	0	0	0	2
Total	563	161	2,029	860	1,609	865	1,230	619	2,005	1,113	11,054

Personnel assessment

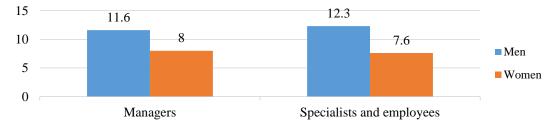
Assessment of the potential of employees to create a staff reserve for managerial positions is carried out by the branch of PJSC RusHydro - Corporate University of Hydropower Engineering, using various methods for assessing professional and managerial competencies, including using the Assessment Center.

Personnel of the Company undergo certification for compliance, during which the professional, business and personal qualities of the employees and their achievements are assessed. The managers, specialists and employees of the Company, regardless of gender, are assessed every three years. (404-3)

The share of employees of PJSC RusHydro and the controlled companies (except for the Sub-group of RAO ES of the East), for which in 2017, an evaluation of the performance and career development was carried out by gender and category, % of the total number of employees



Share of employees of the RAO ES Sub-group of the East, for which in 2017 an evaluation of the performance and career development was carried out by gender and category,% of the total number of employees



The change in the proportion of employees for whom performance was measured relative to 2016 is related to the frequency of the assessment of employees.

Staff development

To achieve its strategic goals, RusHydro Group participates in the development and implementation of professional standards, develops professional and managerial competencies of employees, implements professional orientation programs for talented pupils and students. For this purpose, the Company implements programs of advanced development of the personnel potential, creates a personnel reserve, trains employees.

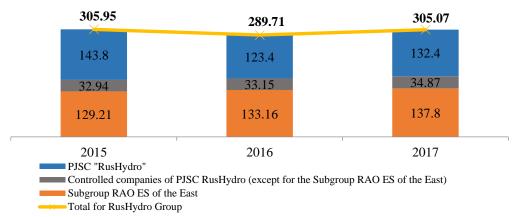
Training of personnel (404-2)

The system of continuous training of personnel allows to develop the competences of employees in accordance with the requirements for the positions held, as well as for the purpose of moving them within the framework of training the personnel reserve. In addition, the Company has the opportunity to conduct professional retraining, including in accordance with professional standards.

Expenses for the training and development of personnel of PJSC RusHydro in 2017 amounted to 132.4 million rubles. The increase in costs in 2017 is due to the need to implement professional retraining of employees who

do not meet the requirements of professional standards, as well as to conduct corporate training activities associated with supporting the integration processes of the executive apparatus of PJSC RusHydro and JSC RAO ES of the East.





^{*}The boundaries of the disclosure of this indicator do not change with respect to the previous reporting period

Basic forms of training

Form	Frequency
Training	At least once every three years
Vocational training	In accordance with the requirements of the supervisory
	authorities if it is necessary to acquire a new profession
Professional retraining	It is conducted in connection with the production need to
	perform a new type of professional activity or to obtain
	additional qualifications for the training of the personnel
	reserve
Corporate training	It is carried out when it is necessary to solve specific tasks for
	the Company
Internal technical training	Annually
Short-term training programs (seminars, conferences, forums)	Annually, the content depends on the production need
Distance learning	Annually, the content depends on the production need

Corporate University of Hydropower Engineering

To implement educational projects in the Group in 2007, a branch was established - the Corporate University of Hydropower. At its base in 2017, 15,993 courses were held. Training was conducted by employees of PJSC RusHydro and controlled companies (except for the Subgroup RAO ES of the East).

Training in the Corporate University of Hydropower, number of courses

Categories	Full-time	Remotely
Managers	695	3,699
Specialists and employees	627	8,419
Workers	211	2,342
Total	1,533	14,460

Personnel Training Subgroups of RAO ES of the East

To attract young specialists to the company, the Sub-group of the RAO ES of the East annually finances targeted training of students in programs of higher and secondary vocational education, attracts students for industrial and pre-graduation internships; in addition, some employees participate in the work of examination commissions of universities and / or in the implementation of educational programs. According to the programs of higher professional education, 127 people were trained at the expense of the Subgroup's companies in 2017, the volume of funding for higher education amounted to 4,015 thousand rubles (an average of 31.6 thousand rubles per 1 worker).

The most popular educational programs:

- thermal power plants,

- electrical power and electrical engineering,
- electrical power systems and networks,
- electricity supply,
- relay protection and automation of electrical power systems.

In 2017, in the companies of the Subgroup RAO ES of the East, 567 employees were upgraded to professional retraining in higher education institutions, whose costs reached 6,265 thousand rubles.

New Learning Mechanisms

In December 2017, PJSC RusHydro obtained a license to conduct educational activities, which makes it possible to implement programs of professional retraining and advanced training on the basis of the Corporate University of Hydropower (**KorUnG**) from 2018 onwards.

At the Volzhskaya HPP in 2017, a new training ground for training workers serving relay protection devices was opened, which will improve the knowledge and skills of the employees of the Technology Management Systems services, both in the current work and in the process of the expected transition of the technological management systems to a modern element base - microprocessor protection and automation devices. In 2017, for the first time, professional skills competitions were held for operational CHP staff.

In the framework of the previously adopted professional standards, specialized training programs were developed in the reporting year. In total, according to professional standards, it is planned to develop 99 programs and training modules. In 2017, 27 programs and training modules were developed to conduct training for compliance with professional standards.

Staff reserve

One of the most important tasks of the Company is to provide branches and PJSC RusHydro controlled companies with qualified personnel, especially in engineering specialties. For this purpose, the Company has a staff reserve. It includes managers and specialists of RusHydro Group who have the ability to manage activities that meet the requirements for a job at a given level, passed selection and systematic targeted qualification training.

In the reserve, the following groups of candidates are being formed, preparing for a phased inclusion in management activities:

- staff reserve for the managerial position of the branch,
- staff reserve for the leading position in the controlled organization of RusHydro,
- staff reserve of young specialists of RusHydro Group.

In 2017, actual staff reserves for the positions of the Chief Engineer of the Company's branches were created, and competitive selection was additionally held for the post of Chief of the Personnel Service Development. In 2017, work began on the set-up of an up-to-date personnel reserve for the positions of managers of controlled entities. A personnel reserve for the position of the General Director of the controlled organisation in the Far East was formed. —in 2018 it is planned to organize contests in the reserves of directors and chief engineers of the branches, as well as the continued formation of reserves of CEOs of the Far East (the level of Chief Engineers and their deputies).

For members of the personnel reserves, modular training programs are conducted, including professional and managerial training. In 2017, 54 members of the personnel reserves defended their thesis projects and completed training under the training program for the personnel reserve. Thesis projects were developed jointly with curators from the block of production activities and evaluated by the examination committee in terms of practical significance for the Company, elaboration and feasibility of the project. The proposed solutions can be applied to the implementation of internal projects and will improve the Company's operational efficiency.

The project "Internal source of energy" is aimed at identifying, developing and retaining talented young professionals. In addition to the professional training modules for young specialists in 2017, the company participated in industry innovation competitions, the International Forum "Fast and the Furious 2017", the Youth Day of the Russian Energy Week, as well as the World Festival of Youth and Students in Sochi as part

of the "Industry of the Future" program. In 2017, young specialists of PJSC RusHydro became winners of the contest "New Idea" for the best scientific and technical development among the youth in the sphere of fuel and energy in the Russian Federation.

RusHydro Group regularly conducts activities aimed at popularising the engineering and working professions necessary for the development of energy in the regions where it operates. Within the framework of the current Program for advanced development of human resources of PJSC RusHydro "From the New School to the Workplace", systematic work is carried out with schoolchildren and students in the regions where the Group operates. Priority direction of the school stage of training future personnel for the Company is the creation of specialized school classes (Energoclasses) and centers of technical creativity (Technoclasses) in 9 regions of the company's presence, where 908 schoolchildren of grades 7-11 received training in the past year. 2017 was marked by the opening of two more Energoclasses in the village of Novobureisk and Rybinsk.

Annually, the Industry School Competition "Energy of Education" is held, with more than 5,000 pupils participating in it. In 2017, the school competition was organised in an online testing format.

For the best students of vocational guidance projects that passed the competitive selection, a corporate scientific camp was organized - the Summer Energy School. In 2017 the school was held on the basis of the Cheboksary HPP, 34 schoolchildren from 15 Russian regions took part in it.

In 2017, the Ministry of Education and Science of the Russian Federation awarded PJSC RusHydro the status of a strategic partner of the Ministry of Education and Science of the Russian Federation "For Systemic Work on the Development of the Human Capital of the Country".

Plans for the development of the personnel management system for 2018

In 2018, work will continue on the introduction of professional standards in the development and implementation of supplementary education programs, professional accreditation of additional professional education programs based on the methodology of the Council for Professional Qualifications in the Electric Power Industry, and on the formation of the concept of creating a Qualification Assessment Center on the basis of one of the supervisory societies of RusHydro.

In 2018, the Eighth All-Russian competition of operational personnel of the hydroelectric station will be held. In addition to subsidiaries and controlled organizations of the Company, power companies that are not part of RusHydro Group-the Bashkir Generation Company, the

In 2017 approved in the new edition:

- Regulations on the development and approval of draft collective agreements (amendments to them) of the controlled organisations of PJSC RusHydro (Order No. 886 of December 18, 2017).
- Regulations on compensation of expenses for spa and health resort treatment and health-tourism holidays for employees of branches of JSC "RusHydro" (Order No. 234 of April 18, 2017)
- Rules of internal labour regulations (Decree of September 29, 2017 No. 653)
- Standard rules of the internal work schedule of the branches (Order of 11.09.2017 No. 612 "On Amendments to the Decree of JSC" RusHydro "dated December 26, 2007 No. 481.
- Model Regulations on remuneration and compensation to certain categories of executives of companies that are part of RusHydro Group (Minutes of the Board of March 31, 2017).

Krasnoyarsk HPP, the Irkutskenergo branches - the Bratskaya HPP, the Irkutsk HPP, the Ust-Ilimskaya HPP will join the competition.

In 2018, in accordance with the partnership agreement with the "Professionals and Workforce Development Agency" (Worldskills Russia), the first open branch corporate championship will be organised in the competence "Operational and technological management of hydraulic units and auxiliary equipment" on the basis of the Volga educational center of the branch of PJSC RusHydro - "KorUng" according to the standards of Worldskills Russia.

An important event of 2018 will be the "All-Russian competition of professional skills Best by profession", which is organised by the Ministry of Labor of the Russian Federation. The list of competitive professions includes the nomination "The Best Electrician on duty", and the employer responsible for organizing the competition is PJSC RusHydro.

In 2018, in accordance with the partnership agreement with the "Professionals and Workforce Development Agency" (Worldskills Russia), the first open branch corporate championship will be organised in the competence "Operational and technological management of hydraulic units and auxiliary equipment" on the

basis of the Volzhsky training center of the branch of PJSC RusHydro - "CopUnHP" according to the standards of Worldskills Russia.

The plan for 2018, which is declared the Year of Volunteer, is continuing to implement the key activities of the Young Energy Program aimed at the social and professional adaptation of children left without adult care, and to start developing a Mentoring Program as a key tool in the preparation of graduates of orphanages for independent life.

2.4.2 Occupational Safety and Health

Safety management system in the workplace

The fundamental document defining the principles of workplace safety in the workplace in JSC RusHydro is the Occupational Safety Policy.

The objectives of RusHydro Group in the field of labor protection and industrial safety:

- preservation of the life and health of the Company's employees in the process of labor activity,
- elimination of cases of occupational injuries and occupational diseases,
- formation of safe behaviour at work in the workplace and skills to prevent dangerous situations,
- continuous improvement of working conditions.

Distribution of responsibility for the management of issues of labor organisation, health protection, and industrial safety of PJSC RusHydro

Members of the Management Board, First Deputy General Director - Chief Engineer

- Management of activities to ensure labour protection at hydropower facilities
- Organsation and control of the implementation of labour protection measures in the Company, incl. in the part of preventive work to minimise production risks and preserve the health of staff

Department of Occupational Safety and **Labor** Protection

• Development, organization of implementation and monitoring of health, safety and industrial safety measures at the Company level **Labor** protection and production control of branches and controlled companies

 Development, organisation of execution and control of measures on labour protection, health protection and industrial safety directly in the branches and controlled companies

Occupational injuries, occupational diseases (403-2)

In 2017, there were 33 accidents in the RusHydro Group (there were 0 cases in PJSC RusHydro with its controlled companies, 0 in the case of PJSC RusHydro (except for the Subgroup RAO ES of the East), 12 cases, the Subgroup RAO ES of the East - 21 cases), the number of victims was 34 of the person (PJSC RusHydro - 0 people, PJSC RusHydro with its controlled companies (except for the Subgroup RAO ES of the East) - 13 people, Subgroup RAO ES of the East - 21 people), including 4 - with fatal outcome. Compared with 2016, the number of accidents decreased by seven.

Accidents at work

	Index	PJSC RusHydro	Subgroup RAO ES of the East
2016	Number of injured personnel	1	27
	including fatally injured	0	3
	Injury Rate Ratio	0.19	0.54
2017	Number of injured personnel	0	21
	including fatally injured	0	3
	Injury Rate Ratio	0.00	0.43

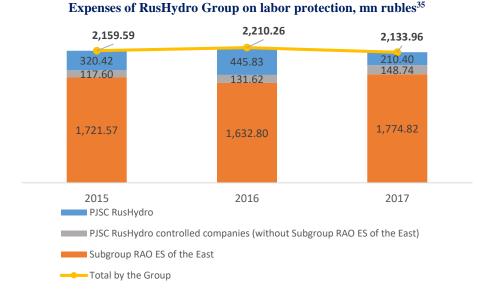
Health and safety issues are reflected in the Action Plans on the improvement of working conditions and recovery and the Collective Agreement of RusHydro Group's companies. (403-4)

In order to prevent cases of occupational disease, the following works were carried out:

- providing staff with effective means of personal hearing and breathing protection,
- reimbursement of expenses for additional medical examination,
- physiotherapy treatment and sports,
- purchase of first-aid kits and medicines to update the medicinal kits,
- conducting classes on the prevention of infectious diseases,
- preventive vaccination of personnel,
- provision of drinking and vitamin regimes to personnel,
- providing workers with washing and detoxifying substances,
- provision of milk or equivalent products to employees working in hazardous working conditions.

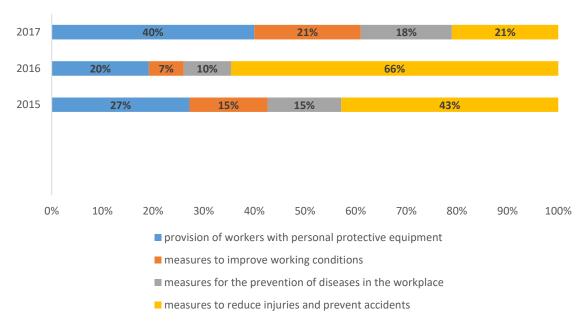
Labor protection costs

Labor protection is the most important condition for preserving the health and life of workers in the course of their labor activity. Expenses for the protection of workers of RusHydro Group in 2017 amounted to 2.1 billion rubles.



³⁵ This indicator is disclosed in this Report within the limits of the consolidated financial statements under IFRS, and therefore comparable data for 2016 and 2015 are recalculated similarly

Structure of expenses for labor protection measures of PJSC RusHydro,%



Activities in the field of labor protection

The requirements for work with personnel in the organisations of the electrical power industry are established in the Rules approved by Decree No. 49 of the Ministry of Energy of Russia of February 19, 2000.

In 2017, the following activities were carried out with workers in the field of labor protection:

- training of workers in giving first aid to victims;
- training of employees for a new post with internship and training at the workplace;
- verification of knowledge of workers' labor protection rules, rules of technical operation, fire safety rules, industrial safety rules;
- anti-damage and fire-fighting;
- all types of safety briefings for own personnel and contractor personnel;
- special training and professional development of employees;
- rounds and inspections of the personnel workplaces in order to identify violations and deviations from the requirements of existing rules, norms, instructions, standards;
- conducting competitions for professional skills among staff;
- organization of visual prompts;
- conducting days of labor protection.

In RusHydro Group, the number of employees of contractors and subcontractors that was trained in the field of labor protection is not taken into account, in addition to the coaching sessions conducted by contractors - introductory and primary in the workplace.

Plans for the improvement of labor protection in 2018

- Development of a draft Policy for RusHydro Group undertaking a risk-oriented approach;
- involvement of employees to participate in the improvement of labor protection;
- maintenance of the qualifications of employees at a high professional level, cooperation and information exchange between specialists in the field of labor protection and workers, development and implementation

Assessment of working conditions (403-3)

A special assessment of working conditions / attestation of working places on working conditions was carried out at all workplaces of the Group enterprises. Based on the results of the assessment, 49.7% of employees (28% in the branches, 39.2% in the controlled companies, 53.9% in the Subgroup RAO ES of the East controlled companies) are employed in workplaces that do not meet the labor protection requirements (class 3).

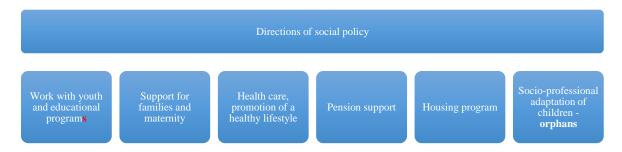
RusHydro Group does not have dangerous class 4 workplaces (employees engaged in professional activities involving high injuries or high risk of occupational diseases)..

of effective measures to identify, eliminate or limit hazards and risks that contribute to the preservation of life and health throughout the whole work period.

2.4.3 Social policy

In order to implement the socially responsible position of PJSC RusHydro in 2013, the Company's Social Policy was approved. The document established the main principles, goals and objectives for the social development of PJSC RusHydro and its controlled companies in the regions of its presence. Objectives of the Social Policy:

- development of national projects and the implementation of the Company's socially responsible attitude,
- development of the practice of mutual responsibility and social partnership,
- increasing the attractiveness of JSC RusHydro as an employer to attract and retain the best staff.
 The objectives of Social Policy:
 - creating an institutional environment for attracting and retaining young staff,
 - formation of a high degree of commitment among employees to the goals and principles of PJSC RusHydro,
 - improvement of labor relations taking into account the interests of the employer, employees, shareholders, and the state.



In social policy, JSC RusHydro follows international standards and the best practices in the field of human rights, labor relations, environmental protection, combating corruption and interaction with stakeholders. The company is directed by the Guide to Social Responsibility (ISO 26000) and the universal principles of the UNGC Corporate Sustainability in the field of human rights, labor relations, environmental protection and combating corruption. (102-12)

RusHydro Group grants benefits to full-time employees:

- voluntary medical insurance,
- insurance against accidents and diseases,
- disability compensation,
- maternity / paternity leave. (401-2)

Voluntary health insurance

Voluntary health insurance is part of the social package of employees and covers 100% of employees (excluding part-time workers and employees on probation). Within the framework of Voluntary medical insurance, services are provided for outpatient care, emergency and planned in-patient treatment, emergency medical care, and insurance for people travelling abroad. The list of polyclinics is updated annually. On a yearly basis, workers undergo vaccinations against a number of diseases, can undergo medical examinations and preventive examinations.

All employees of the Company are insured against accidents and illnesses. Insurance coverage is valid 24 hours a day.

Non-state pension provision

Non-state pension provision (hereinafter - NPP) of employees of branches of JSC RusHydro in 2017 included several pension plans designed to finance the pension savings of different target groups of employees.

The structure of the NPP includes:

The individual plan (financed by the employee) consists of:

- program "Individual" (the employee independently finances his pension savings);
- program "Close People" (the employee independently finances pension savings for the benefit of third parties).

<u>The parity plan</u> (financed on the basis of equal participation by an employee and the Company or an employee, the Company and the state) consists of:

- "5 + 5" program (the employee and the Company jointly fund the pension savings of the employee);
- program "Co-financing" (an employee, the Company and the state jointly finance the employee's pension savings)

The corporate plan (financed by the Company) consists of:

- "Supporting" program (the Company accumulates pension contributions on registered pension accounts of employees who, as a result of the reform of the state pension system, do not receive at all or have a limited opportunity to form a funded part of the labor pension (for employees born before 1966);
- "Veteranskaya" program (the Company forms pension savings on pension accounts of former employees of the Company for the purpose of additional pension provision for former employees of the Company). Similar programs operate in some controlled organisations, for example, in JSC HydroRemont-VKK, JSC Transport Company RusHydro, PJSC Kolymaenergo, JSC DGK, JSC DRSK, PJSC DEK, PJSC Kamchatskenergo and etc.

Security of the Group's liabilities related to pension plans with established benefits* (201-3)

Net pension liabilities as of December 31, 2017, million rubles	8,634
The degree to which (according to estimates) the liabilities under the scheme are met by special assets allocated for this purpose (Fair value of plan assets / Present value of plan liabilities)	11.40 %

^{*}Assessment of liabilities under IFRS, assessment conducted by LLC Actuarial and Financial Services.

Improvement of housing conditions for workers

PJSC RusHydro continues implementing a program to improve housing conditions for employees. The priority right to participate in the program is provided to young professionals under the age of 30 who do not have a separate housing ownership, specialists invited to work in the branch and moved in this connection from other areas, key and highly qualified specialists, as well as employees who have many children, and single parents.

In 2017, on the basis of the Regulation on improving the housing conditions of employees of branches of PJSC RusHydro, 57 employees of the branches received interest-free loans for improving housing conditions and 227 employees of branches received interest payments on mortgage loans. Financing of the program in 2017 amounted to more than 100 million rubles.

PJSC Kolymaenergo is implementing the Housing Improvement Program with the aim of securing employees who arrived on call for work in the community, as well as highly qualified and young professionals employed and without housing in the village of Sinegorye. In 2017, the cost of implementing the program amounted to 570 thousand rubles. Three highly qualified employees who arrived on call were compensated for the cost of purchased apartments.

In PJSC Yakutskenergo there is a Regulation on corporate assistance and support in improving the housing conditions of employees of PJSC Yakutskenergo, approved by the Board of Directors of PJSC Yakutskenergo. In 2017 corporate support was provided to 293 employees of PJSC Yakutskenergo, including:

- granting of interest-free loan 91 people. Yakutsk GRES-2 for the sum of 383,712 thousand rubles.
- compensation for expenses incurred in terms of interest paid on a mortgage 200 people. in the amount of 10,710 thousand rubles;
- compensation for the costs incurred to pay the initial mortgage loan to young professionals 2 people, for the sum of 746 thousand rubles.
- compensation for housing expenses 88 people, for the sum of 7,769.7 thousand rubles, including 27 people invited to the Yakutsk GRES-2, for the sum of 2,693.4 thousand rubles.

Collective agreements (102-41)

The collective agreement regulates social and labor relations in the Company and takes into account the mutual interests of employees and the employer.

In all RusHydro Group's companies there are Collective agreements concluded for 2017-2019. Among the

Group's employees; in 2017, 67,219 people (95 %) were covered by Collective agreements.

PJSC RusHydro and a number of controlled organisations are members of the All-Russian Industry Association of Electrical Power Industry Employers, which adopted the Industry Tariff Agreement, which forms a single industry standard for regulating social and labor relations in the industry and sets a minimum level of guarantees for employees. The existence of such a standard greatly facilitates the dialogue between the parties of social partnership at the level of the companies of the industry and the holding company, allows us to compare and assess the level of guarantees provided to employees.

Human rights

The main approach of RusHydro Group in the field of observance of human rights is the fulfilment of all legislative requirements of the Russian Federation. The Group does not operate or enter into investment agreements in regions where the risk of human rights violations is high. RusHydro guarantees employees the observance of their right to work, rest, and the right to material security in old age and in case of loss of efficiency - they are implemented in accordance with the requirements of the Labor Code of the Russian Federation. (412-3)

Employees of RusHydro Group companies have the opportunity to fully realize their right to freedom of association. Most enterprises of RusHydro Group have established and freely operate trade unions. (407-1)

To support young families, one-off payments are provided in connection with the registration of marriage, the birth of a child, childcare allowance for up to three years, compensation of expenses for the maintenance of children in pre-school educational institutions.

Granting maternity and paternity leave in RusHydro Group (401-3)

Incacator	20)15	20	16	2017	
incacator	m	W	m	W	m	W
Number of employees eligible for leave	3,861	2,166	4,049	2,386	4,937	2,546
Number of employees taking leave	41	1,098	46	1,152	70	1,145
Number of employees who returned to work at the						
actual end of leave	19	562	19	578	30	586
The total number of employees who were supposed to						
return to work after the leave	35	842	51	913	47	735
Return to work ratio	37,2	77,35	60	69,25	54,5	62,35

The company creates conditions for the formation of professional dynasties and tries to increase the prestige of engineering professions. To attract young qualified specialists to the industry, there are stipulated payments to children of workers who receive As and Bs in profile specialties, as well as encouragement of employees for mentoring.

Privileges are also provided for employees wishing to adopt a child, become foster parents or guardians - this is compensation for expenses for medical services, visits to sports clubs, interest clubs, etc. Employees-adoptive parents also receive monthly incentive payments.

As part of the program to maintain health and promote healthy lifestyles, compensation is provided for season tickets to sports clubs and sports clubs at a rate of 50% for employees and their children, as well as compensation for physiotherapy treatment and recreation for workers and their children.

In 2017, the Regulation on the development and approval of draft collective agreements (amendments to them) of the controlled organizations of PJSC RusHydro was introduced. Within the framework, the main approaches to the structure and content of the standard collective agreement of the controlled companies and the procedure for the approval of collective agreements, including the procedure for obtaining the preliminary approval of the collective agreement by the management bodies, were presented to the heads of the personnel management services of the branches and controlled companies. In 2018, it is planned to transfer controlled entities to the standard form of a collective agreement.

2.4.4 Contributions to the development of regions of presence

RusHydro participates in solving problems of local employment, budget provision, construction and financing of social infrastructure facilities, urban improvement, education and healthcare support, development of culture and sports, care for veterans and disabled people, technical measures to reduce the impact on the environment, and assistance to victims of natural disasters or other disasters.

The salary of the employees of RusHydro Group is higher than the average for the regions of presence, which speaks of RusHydro's competitiveness and reliability as an employer.

Number of jobs created and Statutory Minimum Wage Index (202-1)

Number of jobs created, units	Salary of starting-position employees, rubles.	Startingposition minimum wage in the region, rubles.	The ratio of the minimum wage to the Statutory Minimum Wage Index	
1,311	45,037	12,607	4	

Tax payments

RusHydro Group is one of the main taxpayers in the regions in which it operates.

Taxes paid to the budget at different levels, mn rubles*

Taxes paid to the budget at different levels, init rubles									
	PJSC RusHydro and subsidiaries (except for the Sub-group of RAO ES of the East)			Subgroup of RAO ES of the East			RusHydro Group		
	2015	2016	2017	2015	2016	2017	2015	2016	2017
Federal	12,579.5	19,338.1 6	24,160.8 4	16,464.2 1	18,922.4 6	18,678.3 4	29,043.7 1	38,260.6 2	42,839.1 8
Including Insurance premiums	4,251.89	4,637.45	4,857.7	9,904.74	11,685.4 9	11,569.1 1	14,156.6	16,322.9 4	16,426.8 1
Regional	18,275.0 8	24,004.8 9	26,353.9 1	7,197.97	9,453.36	10,359.2 8	25,473.0 5	33,458.2 5	36,713.1 9
Local	465.66	457.56	454.01	298.28	379.61	370.71	763.94	837.17	821.72
Total	31,320.2 4	43,800.6 1	50,965.7 6	23,960.4 6	28,755.4	29,408.3 3	55,280.7 0	72,566.0 4	80,374.0 9

^{*} When generating data in the table for 2017, the distribution between the federal and regional budgets is based on the fact that taxes are formed depending on the type of the budget (personal income tax, water tax, mineral extraction tax, payment for the use of water facilities, payment for negative impact on the environment).

Charity programs

PJSC RusHydro carries out charitable activities guided by the Charity and Sponsorship Policy of the Company (approved by the resolution of the Board of Directors, minutes of 01.06.2016 № 237).

The main goal of the charitable activity of PJSC RusHydro is to create conditions and opportunities for the sustainable development of the regions where the Group operates, to create favorable social environment and to promote the growth of Russia's spiritual, scientific, technical and intellectual potential. Among the priorities are:

- rendering assistance to categories of citizens in need disabled people, veterans;
- supporting children's organizations and institutions;
- assisting medical institutions, healthcare organizations;
- supporting projects in the field of culture, education, science, sports;
- assisting the preservation and restoration of historical and architectural monuments of Russia;
- supporting the conduct of environmental activities;
- assisting the socio-economic development of the regions where the Group operates.

JSC RusHydro annually sets up an annual Charity and Sponsorship Program, which is approved by the Board of Directors. In 2017, the total amount of funds for the implementation of the charitable program amounted to 1,644.1 million rubles. (The charity and sponsorship program was approved by the Board of Directors (minutes of 02/21/2017 No. 248, 04/04/2017 No. 249, 06/22/2017 No. 254, 08/11/2017 No. 255, 10/30/2017 No. 259, 02/06/2018 No. 265). The funds were used to finance and implement charitable and socially significant projects and programs in the regions of RusHydro's presence.

With the support of PJSC RusHydro, within the framework of the state program for the development of territories for promoting social and economic development in the Far East in 2017, more than ten large-scale infrastructure projects were completed: the construction of bridges, housing, agriculture facilities and industrial sites.

In the reporting year, PJSC RusHydro continued to implement the long-term comprehensive charitable program Clean Energy, whose main task is to create conditions for social adaptation, training and early career guidance for children and adolescents in the regions where RusHydro is present. The program also implements social, humanitarian, educational programs, actions and projects in the field of ecology. Together with the reserves, RusHydro organizes ecological tourist routes, equips ecological trails, landscapes, supports the biological diversity and the natural habitat of animals and plants.

Main charity projects in 2017

Support areas	Projects
Assistance to children's institutions and	28 children homes and boarding schools, 6 rehabilitation social and medical centers,
organizations	dozens of general education and music schools, and creative collectives received
	material assistance. The funds are directed to the development of the amenities of the
	children organizations, assistance in arranging holidays, holding educational events.
Development of children sports	RusHydro provides financial assistance to sports clubs and schools in such sports as
	football, hockey, swimming, rowing, tennis, sailing, martial arts. The program "Clean
	Energy" includes projects related to fitting sports halls with the necessary equipment,
	repair and improvement of sports grounds, organization of competitions for children
	and youth.
Support for the development of	In 2017, RusHydro continued to provide financial support to the Russian Rowing
Russian sports	Slalom Federation, the Russian Martial Arts Union, the Russian Judo Federation and
•	other sports organizations.
# It is Brighter Together (#Вместе	All branches of the Company participated in the All-Russian Festival of Energy Saving
Ярче)	# Together Brighter, the main goal of which is popularisation among citizens of culture
•	of careful attitude to nature and demonstration of modern energy-efficient technologies.
	Special attention is paid to activities for children and youth: excursions to hydroelectric
	power stations, lessons of ecology and economical attitude to energy resources, contests
	and quizzes are held within the framework of the festival.
Ecological paths	"Ecological paths" is a project to organize new tourist routes together with the reserves
	and to improve the recreation areas. The project helps preserve the biological diversity
	and natural environment of various species of animals and plants, forms the ecological
	culture of adults and children. In 22 regions of the Company's presence, 22 ecological
	routes have been created, including 6 new routes in 2017: in the mountains of
	Karachaevo-Cherkessia and on the Strizhament mountain of the Stavropol Region, in
	the Khvalynsky National Parks of the Saratov Region and the Samara Luke, in the Zeya
	Natural Park reserve.
Cleaning the banks of reservoirs and	The traditional action on clearing the shores of reservoirs and rivers from debris
rivers	"Oberegai" expanded its geography: volunteers from the Far East joined it. In total, in
	2017, more than 2,800 volunteers and RusHydro employees took part in 36 activities.
Ecological education	During the school holidays in the reserves and nature reserves there are ecological shifts
_	and field schools which RusHydro provides financial support to.
Preservation and enhancement of	In 2017 5 aboutable environmental commaions were conducted to steel vivous and
biodiversity	In 2017, 5 charitable environmental campaigns were conducted to stock rivers and
	reservoirs with valuable fish species. For more details, see "Restoring fish resources
	activities".
	RusHydro provided financial support to projects to preserve the Amur tiger population,
Dublishing of shildren hools	implemented by the Amur Tiger Center. The cooperation with the Foundation for Promotion of Children Literature and Reading
Publishing of children books	Culture "HOUSE OF CHILDREN BOOK" continued in the implementation of the
	project to create an updated version of the scientific and artistic almanac for children
	1 7
	and adolescents "I want to know everything". The first updated collection was
	published in 2015, the second - in 2017. More than 800 Russian libraries have received
	copies of this unique edition for free. A vibrant application that talks about science and
	technology "I want to know everything - 2015" now is available in the App Store and
Aggistance to madical institutions	Google Play.
Assistance to medical institutions	Assistance was provided to medical institutions within the framework of the activity
	"Born with Energy", the main goal of which is to equip maternity hospitals, perinatal
	centers and maternity hospitals in the cities where the Company is present with expensive diagnostic and rehabilitation equipment.
Aggistance to appoint and HEIS	
Assistance to specialised HEIs	Provided financial support to:

 Moscow State University of Civil Engineering,
 Moscow Power Engineering Institute and its branch in Volzhsky,
 Peter the Great Polytechnic University of St. Petersburg ,
 Sayano-Shushensky branch of the Siberian Federal University,
M.I. Platov South-Russian State Polytechnic University The assistance helps ensure
the work of the "RES" research and educational center in St. Petersburg Polytechnic
University, the provision of students of the Moscow State University of Civil
Engineering with a visit to the Volga Hydroelectric Power Station. Furthermore, this
program is used for the reconstruction and renovation of the amenities, including
laboratory equipment. Other universities were also included in the program.
For the students and post-graduate students of technical universities, the "Energy of
Development" competition was held for the eighth time, the main goal of which is to
create conditions for identifying and developing the abilities of young people in the
field of hydropower and assisting them in obtaining specialised education. A number
of winners of the contest are already working in the Company.
RusHydro took part in the establishment of the grant fund of the Russian Geographical
Society, in financing the publishing activities and the organization of ecological and
geographical expeditions.
Financial support was provided to the "Vera" Hospice Care Foundation, the Fund for
Assistance to Children with cerebral palsy "Step together", "Center for Humanitarian
Programs" NGO for disabled people.
Charitable assistance was provided to the Bargary Renaissance Foundation of the
Republic of Sakha (Yakutia) for the implementation of events dedicated to the 385th
anniversary of Yakutia's entry into the Russian state and the foundation of the city of
Yakutsk.

Controlled companies of JSC RusHydro also take an active part in the economic and social life of their regions. PJSC Boguchanskaya HPP³⁶ annually implements significant charitable projects. They participate in the implementation of charity projects of PJSC Kolymenergo, JSC RIPS, JSC Montazhenergo and LLC IEC.

On the territory of the Far Eastern Federal District, social projects important for the region and residents are supported by PJSC "FEEC", JSC DRSK JSC "FEDC", PJSC Yakutskenergo, PJSCMagadanenergo, OA Sakhaenergo, JSC Energotranssnab, JSC Teploenergoservice, JSCYakutsk Energy Repair Company ", JSC YuESKJSC Geoterm. In 2017, controlled companies of JSC RusHydro donated approximately 130 million rubles for charitable purposes in addition to the funds of the Charitable and Sponsorship Program of PJSC RusHydro.

Volunteer Movement

PJSC RusHydro develops corporate volunteering, supporting individual participation of employees in various social projects. In 2017, the Company conducted blood donor days, charity fairs, and "Oberegai" actions to clean up the banks of reservoirs and rivers.

In December, the Moscow office of the company held a traditional charity fair with the participation of 11 charitable organizations that presented hand-made souvenirs and original handicrafts made by the trustees of these funds or made according to their drawings, as well as souvenirs made by artists and other interested people. Within the framework of the fair, about 350 thousand rubles was raised, which was allocated for the treatment, rehabilitation, training, and development of trusts of charitable foundations.

2.5 Environmental responsibility

A careful and responsible attitude to the environment is a mandatory part of the socially responsible business policy. The implementation of programs for the modernization of production, energy saving and increasing energy efficiency, the development of renewable energy, innovative development – all of this contributes to reducing negative impact on economic development.

³⁶ PJSC Boguchanskaya HPPin joint ownership with UC RUSAL

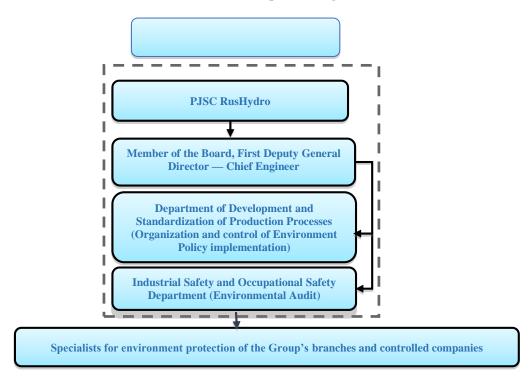
RusHydro Group is the largest Russian energy holding company, the leader in the production of electricity based on renewable sources. The Group is a main water user in the water management system of Russia and the largest supplier of electricity and heat in the Far East.

2.5.1 Environmental policy

Environmental impact management

The activities of RusHydro Group in the field of environmental protection and environmental management are carried out in accordance with the approved Environmental Policies, which are based on the provisions of the state policy in the field of environmentally sustainable development and environmental safety, the Constitution of the Russian Federation, federal laws and other regulatory legal acts, international treaties of the Russian Federation in the field of environmental protection and the rational use of natural resources. (103) RusHydro Group also takes into account the requirements of international standards in the field of environmental management and international best practices in the implementation of energy projects in its activities. During planning and implementing its activities, the Group follows the precautionary principle approved at the United Nations Conference on Environment and Development in 1992. (102-11)

Environmental Impact Management



RusHydro Group's activities are aimed at minimising the negative impact on the environment and maintaining it in a favourable condition for present and future generations. This principle is enshrined in the Environmental Policies of PJSC RusHydro and PJSC RAO ES of the East, which are the basis for planning and implementing activities within the majority of RusHydro Group business processes.

The environmental policy of PJSC RusHydro was updated in 2016. The main purpose of this policy is to identify the challenges, goals, objectives and mechanisms for implementing measures aimed at increasing the level of environmental safety of existing and prospective hydro generation facilities. The Policy applies to all structural divisions and controlled companies of PJSC RusHydro

In the RusHydro Group, the regulation on the environmental management system is being developed, and the document approval period is in the first quarter of 2019

(with the exception of the Subgroup RAO ES of the East), and its provisions are included in the system of business relations between JSC RusHydro and its partners.

³⁷ "Where there are threats of serious or irreversible damage, lack of full scientific certainty shall not be used as a reason for postponing cost-effective measures to prevent environmental degradation" (Rio Declaration on Environment and Development, 1992).

Following the integration of PJSC RusHydro and PJSC RAO ES of the East, RusHydro Group's production activities have changed. This has led to the development of a new version of the Environmental Policy, which takes into account not only the current challenges and trends in the field of environmental protection, but also the peculiarities of the Group's hydropower and thermal assets.

Public hearing of the new version of the Group's Environmental Policy took place in October 2017. The hearings were attended by representatives of environmental community, expert and scientific organizations, business community, including WWF Russia, Russian Union of Industrialists and Entrepreneurs, UC RUSAL, EuroSibEnergo, JSC Rosseti, Moscow State University, and others. The updated version of the Environmental Policy is submitted for consideration to a wide range of experts in order to obtain feedback and opinions on the Company's priorities in the field of ecology and environmental protection. Participants of the hearing highly appreciated the open nature of the Company's public dialogue and the involvement of stakeholders in the process of discussing significant strategic documents in the field of environmental protection. The participants also submitted proposals for improving both the document itself and the Company's activities to implement the provisions of the Environmental Policy. The approval of RusHydro Group's Environmental Policy is scheduled for Q3 2018.

The environmental policy of PJSC RAO ES of the East was approved in 2014, with its objectives being:

- technical re-equipment and replacement of equipment with low technical, economic and environmental indicators with more cost-effective and environmentally friendly one;
- involvement of personnel in activities to reduce environmental risks, improve the environmental management system and the production indicators in the field of environmental protection;
- increasing the efficiency of non-renewable natural resources;
- minimization of the negative man-made impact on the environment.

The environmental policy of PJSCRAO ES of the East can be found on the website.

Mechanisms for the implementation of the Environmental Policy of JSC "RusHydro"

JSC RusHydro has approved a program of measures to ensure the implementation of the Environmental Policy. Within the framework of the Rehabilitation and Modernization Program, measures are being taken to modernize and replace hydroelectric power stations of HPPs and repair hydro turbine equipment, including those aimed at eliminating environmental pollution during the operation of hydroturbine equipment. Coastal protection measures are regularly carried out to maintain the proper condition of the water protection zones. RusHydro Group replaces oil-filled electrical equipment with vacuum or SF6 gas, which does not contain oils, or replaces this equipment with one with lower oil content.

The Company conducts other activities aimed at reducing the negative impact on the environment, among which are:

- construction of sites for the accumulation of scrap metal,
- reconstruction of stormwater drainage system of HPP buildings,
- collection of floating rubbish from the water area and transfer to waste disposal facilities,
 landscaping and planting of greenery.

The key environmental measures implemented in 2017 by the branches and PO of JSC RusHydro, within the framework of the Rehabiliation and Modernization Program

Branch	Events
/controlled	
companies	
Votkinskaya	 Replacing hydraulic unit № 4
HPP	•
	urrent repair of concrete slopes of earthen and spillway dams
Zeyskaya HPP	 Replacement of oil-filled current transformers with transformers with lower oil content
	 Replacement of rotor blades of turbine impeller
Saratovskaya	 Modernization of hydraulic turbines № 1-21, 24
HPP	 Current repair of concrete and earthen slopes of the left bank dam and channel dam
Zhigulevskaya	 Replacement of hydraulic turbines № 8, 11, 20
HPP	• Comprehensive reconstruction with the replacement of power and measuring equipment of outdoor
	switchgear-500 kV in accordance with project documentation
Volzhskaya	Repair of oil-filled impellers of hydraulic turbines
HPP	 Replacement of hydraulic turbines №№ 2, 1

	Repair of perennial green plantations of groundfill dams № 40,41,42
Kamskaya	Repair of industrial and storm water drain
HPP	Repair of HEPS' drainage systems
Nizhegorodsk	• Reconstruction of outdoor switchgear-110/220 kV with the replacement of the equipment with gas-
aya HPP	insulated one
	• Reconstruction of the water supply and sewerage system with replacement of pipelines and stop valves
Karachaevo-	Replacement of oil circuit breakers with vacuum ones
Cherkessia	
Branch	
Verkhnevolzh	 Reconstruction of fastening of slopes of Rybinskaya HPP's ground dam No. 5
skiye HPPs	• Reconstruction of the drainage system of dam 40 with the installation of treatment facilities at the
Cascade	Uglichskaya HPP
Zagorskaya	• Comprehensive reconstruction of outdoor switchgear -35 kV with the replacement of TCH-1,2,3,4 to
PSPP	dry ones with cast insulation
Novosibirskay	•
a HPP	eplacement of hydraulic turbines № 3
	•
	eplacement of 5 oil-filled switches of 220 kV outdoor switchgear with gas-insulated modules
Cheboksarska	•
ya HPP	orks on purification facilities
PJSC	•
Kolymaenergo	econstruction of set switchgear-10 kV with the replacement of the switches with vacuum and
	microprocessor ones

Normative and technical regulation in the field of environmental safety

There are a number of standards in the field of environmental safety within the framework of technical regulation in JSC RusHydro.

To assess the impact on the environment and the organization of production control, PJSC RusHydro has introduced corporate standards «Hydroelectric Power Plants. Protection of the environment. Environmental impact assessment. Methodical instructions» and « Hydroelectric power stations. Industrial environmental control. Norms and requirements».

The National Standard of the ENS 15-2014 "Environmental protection. Norms of losses of oil products of the hydroturbine equipment during operation. Method for calculating losses of turbine oil in the process of operation of hydroturbine equipment." has been developed to apply both within its own management activities and within the framework of state control.

Environmental Impact Assessment

PJSC RusHydro provides environmental safety of production activities at all stages of the life cycle of industrial facilities. Before a new project's implementation or before the modification of existing facilities, measures are taken to assess the impact of such projects on the environment (EIA).

Assessment and mechanisms for managing the environmental impact at all stages of the project life cycle

Stage	Mechanisms for managing the environmental impact
Planning (pre-project stage)	Research and development work of ecological orientation
	Preliminary Environmental Impact Assessment for New Construction and Reconstruction
	Planning
Engineering	Conduct of the EIA: Assessment of the impact of the facility on the environment for making
	decisions on the possibility of construction and reconstruction of production facilities
	Design of measures to ensure the required level of environmental safety
Construction	Implementation and control of the implementation of activities, envisaged projects and
	projects aimed at ensuring the environmental safety of the facilities
	Compliance with the requirements of environmental legislation in the performance of
	construction and installation works
Exploitation	Implementation of industrial environmental control: implementation of measures to prevent
	disconnection from a given level of the facility's environmental safety
	Voluntary initiatives to conserve biodiversity and improve the environmental awareness of
	the public and employees

In 2017, there was no need to hold public hearings on the EIA of the projected facilities and facilities under construction.

Provision of activities in accordance with legislative requirements in the field of environmental protection

Projects of all required environmental standards are in mandatory manner developed during construction and operation of facilities, including standards of allowed emissions and discharges of pollutants into the environment, draft standards waste disposal limits, sections of project documentation related to environmental protection, including biodiversity conservation measures.

, all necessary projects of standards are compulsorily developed, ,

The documents are approved by the executive authorities that carry out state regulation in the field of environmental protection, among which:

- Ministry of Natural Resources and Ecology of the Russian Federation
- Federal Service for Supervision of Nature Management
- Federal Agency for Water Resources
- Federal Agency for Fisheries
- Federal Service for Supervision of Consumer Rights Protection and Human Welfare

On the basis of agreed projects, permits for environmental protection, which are necessary for the performance of production activities, are obtained.

Mechanisms for implementing the environmental policy of PJSC RAO ES of the East

Within the framework of the Environmental Policy of PJSC "RAO ES of the East", Subgroup companies implement initiatives aimed at:

- reconstructing gas cleaning equipment,
- switching combined heat and power plants to gas fuel;
- constructing of wastewater treatment plants.

The implementation of these initiatives allows not only to increase the basic production performance indicators, but also to reduce the negative impact on the environment.

Scientific and Technical Council

The Company has a permanent expert collegial body - the Scientific and Technical Council (STC). It ensures the creation and functioning of a unified system of technical expertise of scientific and technical solutions, projects and programs in compliance with the requirements of the Technical Policy and the current regulatory and technical documents.

To ensure environmental safety in the formation of new technical solutions, a profile section of the NTS "Reservoirs and environmental protection" was created. The section includes representatives of scientific research and design institutes: the Institute of Water Problems of the Russian Academy of Sciences, the Department of Land Hydrology of the Moscow State University and Federal Agency for Water Resources.

Key environmental measures implemented in 2017 by the Subgroup RAO ES of the East

Branch / controlled companies	Actions
JSC DGK	 Repair, commissioning, testing of ash collecting and aspirating plants
	 Construction of a wastewater treatment plant at Khabarovskaya CHPP-2
	 Repair of circulating hydraulic ash sluice at Birobidzhan TPP
	 Construction of ash dump dykes
	 Transition to the use of gas fuel at Khabarovskaya CHPP-1
JSC GRSK	Repair, reconstruction, organization of oil receiving devices under power
	transformers
	 Replacement of oil circuit breakers with vacuum ones
PJSC Magadanenergo	 Current repair of ash collecting facilities of MCHPP, ArGRES
	 Repair of the aeration tank of the SBG ArgGRES
	• Replacement of oil circuit breakers with SF ₆ circuit breakers
PJSCKamchatskenergo	Major overhaul of boiler equipment
	• Repair of metal pipes Venturi, repair of scrubbers hydroelectric units № 1 - 5
PJSC Sakhalinenergo	Major overhaul of boiler equipment
	Repair works of industrial sewerage, fecal pumping

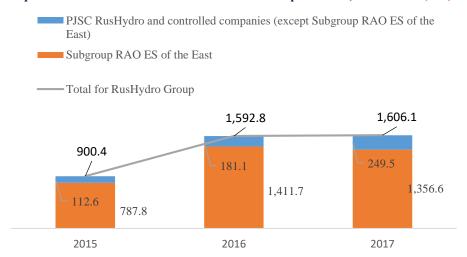
ICC "CL 1 - 1 - 1 - 22	
JSC "Chukotenergo"	Repair, adjustment, testing of ash collecting facilities
	Cleaning oil traps
	Replacement of cyclonic elements of the BC in the period of overhaul of boiler
	equipment
	Maintenance, repair and operation of ash-and-slag disposal sites
	Flue gas cleaning from soot and dust with special equipment (cyclones)
JSC YuESK	 Reconstruction of DPP-23 in Ust-Kamchatsk with replacement of the diesel
	generator
PJSC Yakutskenergo	Replacement and repair of boiler burners
	Repair of the cooling tower section
	Replacement of the oil circuit breakers with vacuum ones
JSCSakhaenergo	 Current repair, removal of air suction cups from the ramjet and battery cyclone (4, 5 boiler) CHPP, Deputatskiy settlement
	 Commissioning of hazardous waste class from I to IV (Tiksi, Olekminsk, Batagay
	settlement)
	Replacement of oil circuit breakers with vacuum ones
	Reconstruction of ash and slag recycled water supply, CHPP, Deputatskiy settlement
	Construction of solar power plants:
	- Zhigansky power distribution zone (Kystatyam settlement SPP 40 kV)
	- Kobyayskiy grids (Batamai settlement, increase in the autonomous inverter system of the
	accumulation system of Autonomous power supply systems)
	- Kobyayskiy grids (Sebyan-Kuel settlement SPP -50 kV)
	- Oymyakonsky power distribution zone (Orto-Balagan settlement SPP -50 kV)
	Water spraying (dust suppression) of roads, downhole platforms, construction opencast
JSC LUR	mines
-	Repair of oil traps for the treatment of transport vessels in mountain areas

There were no accidents and incidents that caused damage to the environment in the reporting year in companies of the Subgroup RAO ES of the East.

Investments in environmental protection

Expenses for the implementation of RusHydro Group's environmental activities in 2017 amounted to 1.6 billion rubles.

Total expenditures and investments for environmental protection, million rub (103)



Cooperation in the field of environmental protection

RusHydro Group actively cooperates with international organizations on issues of environmental protection and conservation of biological diversity. The company supports industry and international initiatives to reduce the anthropogenic load on the environment and strives to adopt the best practices for the successful implementation of its environmental projects.

PJSC RusHydro is a partner of the project of the United Nations Development Program, Global Environmental Facility and the Ministry of Natural Resources and Ecology of the Russian Federation "The Tasks of Biodiversity Conservation in Russia's Energy Sector Policies and Programs" (hereinafter - UNDP Project).

(102-44) Since 2012 the project has been implemented on the territory of Russia. The Project Objectives are as follows:

- demonstration and introduction of the best world practices in the field of biodiversity conservation in the energy sector of Russia;
- improving the status of biodiversity in the industrialized regions of Russia;
- assistance in the set-up of a monitoring system for the status of biodiversity and the testing of environmental technologies in oil producing, coal mining, and hydropower production;
- promoting the adoption of normative and methodological documents on the conservation of biodiversity in the energy sector.

Within the UNDP project in RusHydro, the work is carried out in the following directions:

- biodiversity conservation,
- sustainable development of hydropower,
- development of methodological documents on biodiversity conservation in the hydropower sector.

In 2017, PJSC RusHydro continued its membership in international industry associations, such as the Centre for Energy Advancement through Technological Innovation (CEATI), the International Hydropower Association (IHA) and the International Commission of Large Dams (ICOLD). Participation in these organisations allows the Company to interact with the world community on the safe, innovative and sustainable development of hydropower.

To promote the principles of sustainable development in Russia, the Company promotes the implementation of the Hydropower Sustainability Assessment Protocol (HSAP) as an official regulatory and legal act.

In 2013-2014, PJSC RusHydro carried out approbation of the Methodology on projected hydropower projects and HPPs underconstruction. As a result of the audit, a number of inconsistencies, which require the improvement of internal processes of development and decision-making in PJSC RusHydro, were identified. Primarily, the changes should concern the processes of interaction with stakeholders, ensuring the preservation of cultural heritage sites and conservation of biodiversity.

To fulfill these tasks, the Working Group on the Development of Methodological Approaches to Ensuring and Evaluation of the Compliance of Hydropower Projects with the Criteria for Sustainable Development was formed. It is planned to prepare a local regulatory document for ensuring the compliance of hydropower projects with the criteria for sustainable development, and to begin work on giving the Methodology the status of an official normative legal act on the territory of the Russian Federation.

Cooperation to fight climate change

At the end of 2015, PJSC RusHydro supported the initiative to unite the efforts of Russian business to reduce the impact on the environment and prevent climate change. RusHydro signed a Statement of Russian Business

on the Negotiation Process and Adoption of a New Climate Agreement at the 21st Conference of the Parties to the United Nations Framework Convention on Climate Change.

This initiative is intended to be an additional step, aimed at ensuring the adoption of a new climate agreement at the 21st Conference of the Parties

Russian climatic week -2017

Within the framework of the Russian Climate Week-2017 in Moscow, the roundtable "Hydropower in the Context of Global Climate Change" organized by PJSC "RusHydro" was held. Scientists of leading Russian scientific centers discussed the actual problem of the influence of reservoirs on the balance of greenhouse gases in the atmosphere.

to the United Nations Framework Convention on Climate Change.

Since 2015, PJSC RusHydro has been a member of the Climate Partnership of Russia . The main purpose of the partnership is to unite the efforts of business in the interests of transition to environmentally friendly technologies.

In 2017, the Company continued to report on greenhouse gas emissions to CDP (Carbon Disclosure Project), in which it participates since 2015.

In addition, in 2017, PJSC RusHydro in cooperation with EuroSibEnergo and the Association of Hydropower of Russia continued its work within the Working Group on the development of methodological approaches to study global climate change processes in terms of greenhouse gas emissions from the surface of freshwater reservoirs of HPP and the evaluation of their absorbing capacity.

2.5.2 Results of 2017 in the field of environmental protection

Water use

RusHydro Group is a large water user in the water management system of Russia, most of the Company's activities are carried out at water bodies. The Group uses water bodies in strict compliance with legal requirements. The company receives permits in a timely manner, for the implementation of water use and protection of water bodies in the relevant executive authorities. The diversion of water from the RusHydro Group's water bodies does not have a significant impact on water sources (303-2).

Since 2013, the Company has published data on changes in the levels of the reservoirs of the Hydro Power Plant of RusHydro Group on a special Internet portal: http://www.rushydro.ru/hydrology/informer/

In 2017, the amount of water withdrawn by the RusHydro Group decreased by 0.99% and amounted to 753,352 thousand m³.

Total amount of water withdrawn by source, thousand m³ (303-1)

Sources of water supply	PJSC RusHydro and controlled companies (without Subgroup RAO ES of the East)			Subgroup RAO ES of the East			RusHydro Group		
	2017	2016	2015	2017	2016	2015	2017	2016	2015
Total amount of water withdrawn from sources, including:	57,651.9	58,554.6	64,252	685,637.7	697,706.3	699,394	743,289.6	756,260.9	763,646
surface water bodies, including swamps, rivers, lakes	56,459.6	57,338.2	62,768	591,154.6	589,568.1	566,880	647,614.2	646,906.3	629,648
underground water bodies, municipal and other water supply systems	1,192.3	1,216.4	1,484	94,483.0	108,138.2	132,514	95,675.3	109,354.6	13,3998

Impacts on water bodies

Total volume of wastewater discharges with indication of the receiving facility, thousand m³ (306-1)

Receiving object	PJSC RusHydro and controlled companies (without Subgroup RAO ES of the East)			Subgroup RAO ES of the East			RusHydro Group		
	2017	2016	2015	2017	2016	2015	2017	2016	2015
waterbody	68,321.37	63,949.8	74,766	512,510.7 3	514,188.4	512,453	580,832.10	578,138.2	587,219
terrain	14.52	14.1	116	4,447.56	4,523.2	4,238	4,462.08	4,537.3	4,354
underground	2.6	0	0	140.5	17.9	22	143.1	17.9	22
water accumulator	2,6	7.4	8	19.6	0	0	22.22	7.4	0
Total discharges	68,338.49	63,971.3	74,890	516,977.9	518,729.5	516,713	585,316.4	582,700.8	591,595

The total volume of wastewater discharges by the purification method, thousand m³ (306-1)

	PJSC RusHydro and Subsidiary Companies (without Subgroup of RAO ES of the East)			RAO ES of the	RusHydro Group		
	2017	2016	2017	2016	2017	2016	
Without purification	3,429.36	3,474.69	216,611.23	213,330.69	220,040.59	216,805.38	
Insufficiently purified	923.46	1,075.99	21,825.33	21,385.28	22,748.67	22,461.27	
Normally purified	59,873.43	57,913.61	273,792.85	279,245.,88	333,666.28	337,159.49	
Normally cleaned on structures (biological, chemical, mechanical cleaning)	4,111.3	1,351.14	281.31	226.55	4,392.61	1,577.69	

Water protection works of RusHydro Group

Name	Activities
	 Coastal water works and repairs
	 Repair of anti-erosion hydraulic structures
	 Repairs of regulatory structures
Branches of PJSC RusHydro	 Regulation of clearing and dredging of water bodies
	 Clearing sections of river channels and canals;
	 Bank-reinforcement hydro-engineering works (repair)
	 Other water protection works
The controlled companies of	
PJSC RusHydro, except for	 Clearing the water area of the reservoir
Subgroup RAO ES of the East	 Other water protection works
	 Regulation of clearing dredging of water bodies
Subgroup RAO ES of the East	 Bank-reinforcement hydroengineering works
Subgroup KAO LS of the Last	 Construction and repair of regulatory structures (reservoirs, ponds, spur-
	guiding dams, etc.)
	 Other water protection works

Emissions

RusHydro Group controls emissions of pollutants into the air at all production facilities.

In 2017, the emissions exceeded the established maximum permissible values for Raichihinskaya SDPP by 1,907.55 tons. The increase in emission allowances in due to growth of electricity.

Emissions into the atmosphere NOx, SOx, CO, solids, tons (305-7)

	Subsidia (without St	PJSC RusHydro and Subsidiary Companies without Subgroup of RAO ES of the East)		Subgroup of RAO ES of the East			RusHydro Group		
	2017	2016	2015	2017	2016	2015	2017	2016	2015
Solids	162.24	161.3	162	92,182.30	93,689.8	97,243	92,344.5 4	93,851	97,405
Gaseous and liquid	980.60	976.72	975.5 4	177,784.40	176,692.3	180,561.7	178,765. 00	177,669. 02	181,537.2 4
including gaseous	and liquid:								
Sulfur oxides (SO _X)	3.35	2.6	3.4	73,780.53	73,334.1	73,547.6	73,783.8 7	73,336.7	73,551.0
Carbon monoxide (CO)	34.34	21.4	18.0	41,498.53	42,207.8	42,343.2	41,532.8 7	42,229.2	42,361.2
Oxides of nitrogen (NO _X)	26.26	16.9	13.4	59,973.43	61,150.4	64,670.9	59,999.6 9	61,167.3	64,684.3
Total pollutants, released into the atmosphere	1,142.84	1,138.02	1,137. 54	269,966.70	270,382.1	277,804.7	271,109. 54	271,520.0	278,942.24

In the process of implementing its activities, PJSC RusHydro uses renewable energy sources. In the operation of HPPs, there is no significant greenhouse gases.

Calculation of greenhouse gas emissions is carried out for Subgroup RAO ES of the East facilities in accordance with the decree of the Ministry of Natural Resources and Ecology of the Russian Federation of June 30, 2015 No. 300 and using RD 153-34.0-02.318-2001 "Methodological guidelines for calculating the gross release of carbon dioxide into the atmosphere from boilers of thermal power plants and boiler houses" and inventory data of the Carbon Fund. Emissions of greenhouse gases are determined on the basis of data for a specific facility, based on the fuel balance of the facility.

In 2017, greenhouse gas emissions increased by 1.05%. That increase is due to the growth in electricity generation by the facilities of the RAO ES Subgroup of the East and the expenses of the tons of equivalent fuel of the East for electricity generation.

Greenhouse gases direct emissions of Subgroup RAO ES of the East (scope 1) (305-1)

Indicator	2015	2016	2017	2017/2016,
Emissions CO ₂ , T	36,182,305.5	34,096,453.13	34,457,073.26	+1.06
Emissions N ₂ O in CO ₂ , eq. т	125,283.1	119,085.53	117,141.00	-1.63
Emissions CH ₄ in CO ₂ eq. т	14,433.5	14,369.49	13,895.43	-3.30
Total emissions	36,322,022.2	34,229,908.06*	34,588,190.37	+1.05
including:				
from burning natural gas	10,453,851.7	9,935,983.03	10,101,464.31	+1.67
from burning oil	670,338.1	693,485.50	712,034.12	+2.67
from solid fuel combustion	25,197,832.3	23,600,439.52	23,774,612.10	+0.74

Intensity of greenhouse gas emissions of the Subgroup RAO ES of the East, tons CO₂- eq. ³⁸ (305-4)

Indicator**	2016*	2017	2017/2016, %
Specific CO ₂ emissions, associated with electricity generation, in tonnes CO ₂ -eq.	785.10	78580	+0.10
Specific CO2 emissions associated with heat release, in tonnes of CO2-eq.	375.60	373.90	-0.45

^{*} The change in CO2 emissions for 2016, in direct and specific terms, is due to the clarification of data on the costs of tonnes of equivalent fuel, for electricity generation and heat release.

In 2017 in the controlled companies in the Far East, measures were taken to reduce emissions of harmful substances into the atmosphere: (305-5)

- repair of ash removers, scrubbers, cyclones, electrostatic precipitators in order to maintain the degree of flue gas cleaning at the normative level. Such measures were carried out at the Arkagalinskaya GRES, Magadanskaya CHPP, Primorskaya GRES, Birobidzhanskaya CHPP, Urgalskaya boiler plant, Raichikhinskaya GRES, Blagoveshchenskaya CHPP, Amurskaya CHPP, Vladivostokskaya CHPP-2, Partizanskaya SDPS, Kamchatka, Nikolskoye, Central and School coal boiler houses, and also in Tigil coal-fired boiler No. 4 and in Manily, Central Coal Boiler House.

- transition to gas fuel for Khabarovskaya CHPP-1.

Waste

As a result of the operation of RusHydro Group's energy facilities, the main share is generated by waste products of the 4th and 5th hazard classes, which are formed as a result of the reconstruction of facilities, as well as during the repair and maintenance of equipment and structures. RusHydro Group companies do not transport their own products. The generated wastes are transferred under contracts to specialised organisations that have licenses for activities related to the transportation, collection and further management of wastes (306-4).

The total mass of waste generated in 2017, broken down by hazard class, tons (306-2)

The total mass of waste generated in 2017, broken down by nazard class, tons (500-2)						
PJSC RusHydro and Subsidiary Companies (without Subgroup of RAO ES of the East)						
	2015	2016	2017	2017/2016, %		
Wastes of the 1 and 2 classes of danger	14.22	20.66	31.2	51.0		
Wastes of the 3, 4 and 5 classes of danger	30,964.61	29,179.35	29,191.0	0.04		
Total	30,978.83	29 200.01	29,222.2	0.08		
	Subgroup of RAC) ES of the East				
	2015	2016	2017	2017/2016, %		
Wastes of the 1 and 2 classes of danger	39.9	32.83	39.0	19.7		
Wastes of the 3, 4 and 5 classes of danger	27,694,388.90	24,743,428.87	26,570,307.4	7.37		
Total	27,694,428.8	24,743,461.71	26,570,346.4	7.37		
RusHydro Group						
	2015	2016	2017	2017/2016, %		
Wastes of the 1 and 2 classes of danger	54.12	53.49	70.2	31.27		
Wastes of the 3, 4 and 5 classes of danger	27,725,353.51	24,772,608.22	26,599,498.4	7.37		
Total	27,725,407.63	24,772,661.72	26,599,568.6	7.37		

38 This is the development excluding the Cascade of Vilyuisky HPPs and solar power plants, whose activities do not produce greenhouse gas emissions.

^{**} Specific emissions of CO2 equivalent are determined by the ratio of emissions of tonnes of CO2-eq. to the generation of electricity in million kWh and heat production in thousand Gcal.

The increase in the volume of waste generation in 2017 compared to 2016 for the Group RusHydro was because of the increase in the volume of generation of waste of hazard class 5:

- in JSC DRSK JSC Kamchatskenergo, PJSC Sakhalinenergo were observed increased ash and slag wastes due to the increase in the volume of coal combustion in the main production;
- in JSC LUR the formation of wastes of overburden increased in connection with the increase in work on the development of overburden.

Biodiversity conservation

Impacts on biodiversity

Generating production facilities of PJSC RusHydro are not located within the boundaries of specially protected natural areas. The network infrastructure facilities included in the Subgroup RAO ES of the East are located on the territories of specially protected natural areas, where rare species of plants and animals (304-1).

The Subgroup RAO ES of the East seeks not to have a significant impact on biodiversity and protected natural areas. As a result of the activities of the Subgroup, there is no reduction in the number of species of species, the change of habitats, the spread of invasive species, pests and pathogens. (304-2)

Protected species the habitats of which are affected by the activities of RusHydro Group (304-4).

The habitat of the mandarin duck (Aix galericulata) in the Amur Region fell into the flood zone of the reservoir of the Nizhne-Bureyskaya HPP. The bird is listed in the Red Book of the Russian Federation as a rare species, as well as in the IUCN-96 Red List, Appendix 2 of the Bonn Convention, annexes of bilateral agreements concluded by Russia with Japan and the Republic of Korea and the DPRK on the protection of migratory birds.

Also in the flood zone of the reservoir, the main habitat of the fern species, Aleuritopteris kuna (Aleuritopteris kuhnii), was found. The plant is listed in the Red Book of the Russian Federation as a threatened species.

The process of filling the reservoir of the Nizhne-Bureyskaya HPP affected also the habitats of ungulates living in the flood zone of the reservoir.

Construction of the Nizhne-Bureyskaya HPP, as well as the activities of JSC DRSKof RAO ES of the East Subgroup, has an impact on endangered species, Far Eastern storks (Ciconia boyciana) in particular. This species is listed in the Red Book of the Russian Federation and in the Red List of IUCN-96, Appendix 1 of CITES, annexes of bilateral agreements concluded between Russia and Japan, the Republic of Korea and the DPRK on the protection of migratory birds.

Belonging, volume and value from the point of view of biodiversity of water bodies impacted by activities Subgroup RAO ES of the East (306-5)

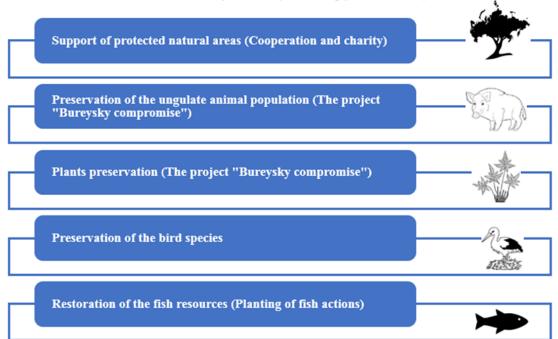
Subsidiaries of the Subgroup RAO ES of the East	Waterbody*	The volume of the water body or the average source of the river, million cubic m.	Value in terms of biodiversity **
	Avachinskaya Bay	3,800	h/k
DICC Vamahatalamana	The river of Halaktyrka	-	h/k
PJSC Kamchatskenergo	Lake Halaktyrskoye	11	h/k
	Lake Sypuchka	-	h/k
JSC YuESK	R. Bystraya	43.2	f/k
	R. Magadanka	127.5	h/k
PJSCMagadanenergo	R. Kamenushka	37.9	f/k
	R. Myoungja	37.9	h/k
PJSC Sakhalinenergo Terpeniya Bay of the Sea of Okhotsk		211,250	h/k
DICC Valuatalanana	R. Lena	515,610	h/k
PJSC Yakutskenergo	R. Vilyuy	21,290	h/k
	The Kazachka River	22	s/k
JSC Chukotenergo	Lake Hunting	0.25	s/k
	Chaun Bay	-	f/k
ICC DDCV	Kivdinskoe Reservoir	9.6	f/k
JSC DRSK	River Control	-	h/k

	A creek without a name, flowing into the river	-	h/k
	Knevichinka		
Bay Intermediate		-	h/k
	River Explanations	-	f/k
	Creek False Key	-	f/k
	River Partizanskaya	-	f/k
	Brook Rudka	-	s/k
	Reservoir on the Olongoro river	43.2	f/k
	Semenovskiy brook	-	s/k
	The Nameless Creek	-	s/k
	Amnunakt River	-	f/k
	Amur Channel	-	h/k
	Amur River	-	h/k
	Lake Horpe	-	h/k
	duct Galbon (Old Amur)	-	h/k
	West Bay Nantes Creek		h/k
			h/k
	Right Birch River	-	s/k
	The Black River	-	s/k
	Brook Polezhaevka	-	s/k
	Brook Rotten Fall	-	s/k
	Small Sita River	-	f/k
	Vilyuy river	72,400	h/k
JSC Teploenergoservis	Yana River	29,297	h/k
	Aldan River	154,683	h/k
	the river Indigirka	14,002	h/k
	Allah-Yun river	5,550	h/k
	Nera River	3,658	h/k
JSC LUR * All facilities are not protected n	River Controvod	-	h/k

Activities on biodiversity conservation

RusHydro Group is implementing biodiversity conservation activities in five areas.

Activities of the RusHydro Group for Biodiversity Conservation



^{*} All facilities are not protected natural areas. ** h/k - the highest category, f/k - the first category, s/k - the second category.

PJSC RusHydro develops international cooperation in the field of environmental protection, in particular, in matters of biological diversity's conservation. Within the framework of the UNDP project in 2017, the practical part of the implementation of the environmental project "Bureysky Compromise" was completed. It was implemented by the Amur Region Governorate "Directorate for the Protection and Use of Wildlife and Specially Protected Natural Areas", JSC Nizhne-Bureyskaya HPP, scientific and environmental organisations of the region, and the media.

In 2015, the Bureysky Nature Park was established in the area of the reservoir of the Nizhne-Bureyskaya HPP.. Since 2014, JSC Nizhne-Bureyskaya HPP has been implementing a program of socio-ecological monitoring on the territory of the natural park and on adjacent territories. With the support of the UNDP Project in the program of socio-ecological monitoring for 2015-2017, an assessment of the impact of economic activities on biodiversity was included. In 2017, the monitoring coverage area was 567 thousand hectares.

In 2017, PJSC RusHydro supported the program to restore the Persian leopard in the Caucasus. Within the framework of the Agreement on Cooperation between the North Ossetian Branch of PJSC RusHydro and the Institute of Ecology and Evolution of RAS, a unique project has been launched to prepare the zone for the release of individuals of the Persian leopard in Ossetia. The project of the IPEE RAS and PJSC RusHydro for the implementation of the program for the restoration of the Persian leopard (Caucasian leopard) on the territory of Ossetia includes a set of scientific, environmental and eco-education activities aimed at ensuring the preparation of the territory as a zone for the production of Asian leopards that are prepared in the framework of the international program implemented Ministry of Natural Resources of Russia.

Measure on the preservation of the ungulate animal population

To minimise the risks of injuries and the death of ungulates during the filling of the reservoir of the Nizhne-Bureyskaya Hydroelectric Power Station, more than 25 feeding complexes equipped with mineral and vitamin additives were placed in advance on the territory of the Bureysky Nature Park adjacent to the reservoir. The event is intended to concentrate the animals in the center of the Bureysky nature park and to displace them from the reservoir storage areas.

The complexes are equipped with automatic cameras for photo and video recording, which allows receiving information about their attendance by animals. In 2017, the feeding grounds were repaired and equipped with additional fodders for the winter period and the period of filling the reservoir.

Measures on the preservation of plants

In the flood zone of the reservoir of the Nizhne-Bureyskaya HPP, five species of rare and endemic plant species were found. For the conservation of rare plant species in 2017, an additional transfer of endemics to new growth sites was implemented. An additional measure of plant support was the "ex-situ" event in relation to the fern Alevritopters Kuna, listed in the Red Book, the main habitats of which were in the flood zone of the Lower Bureya Reservoir. In the Botanical Garden of Blagoveshchensk, with the support of the UNDP Project, the creation of specialized climate chambers began where, from the spores of a rare fern, plants are grown to be introduced into places suitable for growth. The first planting of plants grown in the Botanical Garden of Blagoveshchensk took place in June 2017. Planting of plant populations grown in a climatic chamber will be carried out until 2019.

Preservation of the bird species

Measures to minimize the impact on the bird fauna were directed at the two most vulnerable species: the mandarin duck and the Far Eastern stork. In 2017, measures were continued to install additional artificial nests during the filling of the reservoir and monitor the effectiveness of this solution to maintain the mandarin population in the process of creating a water body.

Artificial supports for nests of Far Eastern storks are established in Muravievsky reserve.

The subsidiary company of JSC "RAO ES of the East " - PJSC Yakutskenergo equips high-voltage power lines with special bird protection devices passing through a specially protected natural area in Ust-Maysky ulus in Yakutia, where 24 species of birds are under protection.

PJSC Yakutskenergo provides isolation of the power lines with a special self-supporting insulated cable in the territory of the natural park "Living diamonds of Yakutia", through which the high-voltage line 6-10 kV passes. In addition, the company equips with fences and shrouds transformer substations on transmission lines to prevent animals from entering the substation.

Restoring fish resources activities

Due to the specifics of its activities, the Company pays special attention to the conservation and restoration of fish stocks of rivers, for which, since 2003, annual voluntary stocks for stocking rivers and reservoirs of hydroelectric power stations have been held.

In early 2017, the Dagestan branch released 20,000 fry of rainbow and stream trout to the Chirkey reservoir. In June, the Cheboksary HPP released 11,000 fry of sterlet into the Cheboksary water reservoir, a fish of a particularly valuable species listed in the Red Book. In June 2017 in the Amur Region there was an action on stocking the Zeya River - Krasnoyarovo, with the participation of PJSC RusHydro, released 5,000 fry of Amur sturgeon into the river, a rare and particularly valuable representative of sturgeons. The project was implemented to maintain the abundance of species in the Upper and Middle Amur basin. In July 2017, RusHydro's funds to the Volga near Saratov produced 14,000 sterlet fry and in October, 77,000 carp and white carp. Nizhne-Bureyskaya HPP in July 2017 in Bureya released 6,000 fry of valuable species of fish species.

Restoration of disturbed lands

The preserved and restored habitats by the Subgroup RAO ES of the East (304-3)

Controlled companies	PJSC	PJSC	PJSC	JSC	JSC "LCS"	Total
_	«FEGC»	''Magadanener	''Sakhalinene	"Chukotene		
		go''	rgo''	rgo"		
		01.01.201	17			
Total disturbed land, ha	2 267,92	272,0	257,64	175,48	3 932,39	6 905,43
including:						
Processed disturbed land, ha	59,00	51,00	3,22	0,00	24,39	137,61
Stored topsoil, thousand m ³	287,48	0,00	0,00	0,00	578,78	866,26
		For 201	7			
Total disturbed land, ha	32,60	0,00	0,08	0,00	94,80	127,98
Total processed disturbed land,	0,00	0.00	0,08	0,00	0,00	
ha		0,00	0,00	0,00	0,00	0,08
Total re-soiled land, ha	0,00	0,00	0,08	0,00	0,00	0,08
31.12.2017						
Total disturbed land, ha	2 300,52	272,00	257,64	175,48	4027,19	7 033,33
Total processed land, ha	75,10	51,00	3,22	0,00	24,39	153,71
Stored topsoil, thousand m3	287,48	0,00	0,00	0,00	578,78	866,26
Location	Far Eastern Federal District					

2.5.3 Renewable energy sources³⁹

The Group considers the use of traditional and alternative renewable energy sources (RES) as its priority and steadily increases the installed generation capacity through the construction of new hydroelectric power stations and the commissioning of new power generating capacities.

RusHydro was one of the first companies in Russia to develop projects based on renewable energy sources. One of the tasks of the Innovative Development Program of RusHydro Group for 2016-2020, with the prospect of prolonging itthrough 2025, is to increase energy efficiency through the use of alternative renewable energy sources. RusHydro Group is engaged in wind, solar, and geothermal energy. Most of these projects are located in isolated areas that are not part of the unified energy system.

Over the past five years, in Yakutia, the Group has launched 19 solar stations with a capacity of 1.6 MW and three wind power plants with a capacity of 2.2 MW. The total volume of investments in the projects amounted to 895.63 million rubles, the annual planned savings of diesel fuel - 1,580 tons per year.

Due to the peculiarities of each settlement, all projects under implementation are individual, including the northernmost solar power plant in the village of Batagay with a capacity of 1 MW. As part of the research and development activities, RusHydro Group developed its own models of wind-diesel and solar-diesel complexes, tested various equipment options, including power storage, for use in isolated power districts.

RusHydro is actively engaged in the development of small hydropower, which is important for remote, hard-to-reach and energy-deficient regions and local water supply for small towns and settlements. Small HPPs are environmentally friendly, as well as a number of additional effects, such as the possibility of the accumulation and the subsequent use of drinking water.

Projects of low-power RES in the Republic of Sakha (Yakutia)

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³⁹ Here, RES is all renewable energy sources, except hydropower.

Project	Type of RES	Power, kV	Results of 2017	Plans for 2018
SPP-50 kV in Sebyan-Kuel village Kobyaysky ES		50		-
SPP-50 kV in Orto-Balagan village, Oymyakonsky ES	Sun	50	Facilities put into operation	-
SPP-40 kV in Kystatyam village Zhigansky DEN		40		-
WPP-900 kV in Tiksi village, Bulun region	wind	900	The design and construction of the wind farm foundations is completed	Delivery and installation of wind turbines, commissioning of the WPP facility

In 2017, within the framework of the Eastern Economic Forum, the Japanese Agency for the Development of New Energy and Industrial Technologies, the Government of the Republic of Sakha (Yakutia) and PJSC RusHydro signed a declaration of intent to build a demonstration project in the village of Tiksi, for the development of energy infrastructure, including 900 kW wind generation systems, which will work together with a new 3 MW diesel power plant and an energy storage system under the control of the Automated Control System to optimize the operation of the wind-diesel complex.

Expenses for projects in the field of renewable energy sources, RUB

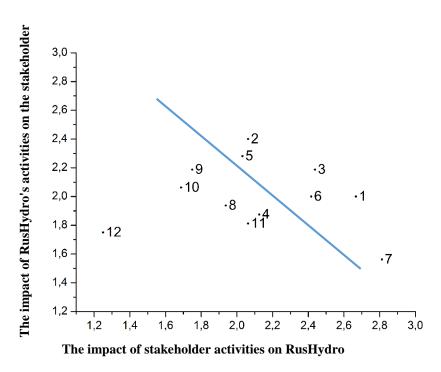
	2015	2016	2017	2018 plan
RusHydro Group	261,859,849	26,414,589	49,930,940	204,135,434
including PJSC RusHydro	1,200.21	611.17	1,609.41	5,045.83

2.6 Interaction with stakeholders

2.6.1 Approach and mechanisms of interaction with stakeholders

The stakeholder map of RusHydro Group is updated every two years by a survey of the Company's management. In preparing the Report for the year of 2017, the Map of the main stakeholder groups of the RusHydro Group was updated. Regarding the list and map presented in the social report of RusHydro Group for 2016, the names of a number of groups were adjusted and merged into new groups. Accordingly, the average values of the new groups were calculated and their position on the map was changed. Stakeholders located above the cut-off line are recognized as key stakeholders. (102-42)

Stakeholder map (102-40)



RusHydro Group builds mechanisms for interaction with each of the stakeholder groups to ensure ongoing cooperation and empowering the representatives of the parties to participate in the Group's activities. In the course of its activities RusHydro seeks to identify and maintain a balance of interests of all stakeholders, ensuring the most complete and timely disclosure of relevant information for them.

Mechanisms of interaction with key stakeholders of RusHydro Group (102-43)

№	Stakeholder	Stakeholder Interests	Basic mechanisms of interaction
1	Shareholders and investors	Economic efficiency	Meetings of shareholders and other corporate
		Sustainability of business	events
		Transparency of business processes	IR-presentations and IR-events
			Publication of accounts
			Ensuring equal and timely access to essential
			information on tariff regulation, disclosure of
			information on official websites of controlled
			companies of JSC RusHydro in accordance with
			the rules for disclosure of information defined by
			the Government of the Russian Federation
2	Customers and consumers	Reliable power supply	Online consultations on the sites of marketing
		Improving the quality of products	companies
		and services	"Line Trust"
		High standards of service	Mobile Service Centers, virtual reception
			Contact center
			Personal rooms of consumers guaranteeing
			suppliers
			Development of client offices
3	Business partners, suppliers	Fair competition and responsible	Forums, exhibitions, conferences, dialogues
	and contractors	market behavior	Open and competitive procurement procedures
		Transparency, including	Joint projects
		transparency of procurement	
		activities	
4	Public environmental	Protection of the environment	Running environmental impact assessment
	organizations		Environmental projects in the regions of
<u> </u>			presence
5	Employees and labor union	Professional and career growth	Staff development
	organizations	Safe working conditions	Social support of employees
		Worthy conditions of remuneration	Information and communication through internal
			channels
			Interaction with trade union organizations

6	Professional associations and industry organizations	Development of branch science Innovative technologies development Prospects for cooperation	Forums / conferences / exhibitions Joint programs Public reporting Work in the Organization / Association Programs
7	The authorities at federal, regional and municipal levels	Development and modernization of electric and thermal power facilities Development of regions of presence RES development Improvement of the regulatory and legal support of the Company Ensuring reliable and uninterrupted power supply	Agreement on socio-economic cooperation with the subjects of the Russian Federation Carrying out public hearings on plant construction projects Work in joint committees, commissions, expert groups on the development of the fuel and energy facilities
8	Regulatory and controlling authorities	Compliance with the requirements of Russian and international law	Reporting Development of proposals for improving legislation
9	Educational institutions	Targeted training Development of branch science Development of innovative technologies, including reducing the negative impact on the environment	Cooperation in the field of scientific and research activities Training, retraining and advanced training of workers R&D Contracts
10	Local communities and regions of presence population	Support for the development of regions of presence Ensuring reliable and uninterrupted power supply Workplaces creation at the Group's facilities	Holding public hearings on energy facilities construction projects Providing decent working conditions and pay
11	Media	Preparation of press releases, statements, comments and messages for the media Timely response to media requests Preparation of reference, information-analytical and presentation materials Organization and holding of briefings, press conferences, interviews, approaches to the press, press tours and other events for the media	Distribution of press releases, statements, comments and messages Placement of information on the corporate website and in social media Press conferences, briefings, interviews, press approaches, press tours
12	Public social and charitable organizations	Support of public activities Care for the environment	Social and charitable programs Public reporting Carrying out of actions and actions of a social orientation

RusHydro held public hearings on this Report on April 20, 2018, where various groups of stakeholders participated. Representatives expressed their views on the completeness and materiality of the information presented in the Report and made recommendations to the prospective plans of the RusHydro Group

2.6.2 Interaction with stakeholders in 2017

Federal and regional authorities

As part of the strategy of PJSC RusHydro, management and specialists of the Company interact with state authorities at federal and regional levels.

One of the priorities of the activities of PJSC RusHydro in this area is the partnership to improve the competitiveness of the national and regional economy, the social development of the regions on the basis of compliance with legislation and transparency of the Company's activities.

With regard to interaction with federal authorities, the heads of PJSC RusHydro actively participate in the work of the commissions and working groups under the President and the Government of the Russian Federation on the development of the fuel and energy facilities and socio-economic development of the regions of the Russian Federation.

Apart from that, work is being carried out with specialized and other committees of the Federal Assembly of the Russian Federation on issues affecting the activities of PJSC RusHydro.

In 2017, specialists of PJSC RusHydro participated in parliamentary hearings, round tables and a number of extended meetings of committees of the Federal Assembly of the Russian Federation with the participation of representatives of federal authorities of the Russian Federation and authorities of the subjects of the Russian Federation, as well as representatives of energy companies on topics directly related to activities and prospects of the Company's development.

With the active participation of representatives of PJSC RusHydro:

- Federal Law of June 30, 2017 No. 129-FL "On Amendments to the Federal Law of March 26, 2003 No. 35-FL "On Electricity", regarding the resolution of the issue of achieving in the territories of the Far Eastern Federal District planned for the next period regulation of basic price levels (tariffs) for electric energy (capacity), when applying a surcharge to the price for capacity of the wholesale market entities energy producers of the price zone;
- Resolution of the Government of the Russian Federation of 07/28/2017 No. 895 "On the achievement of basic levels of prices (tariffs) for electricity (capacity) in the Far Eastern Federal District";
- Decree of the Government of the Russian Federation of July 28, 2017 No. 1614-r on determining the subject of the wholesale market the producer of electric energy (capacity), to the price of the capacity of which the surcharge to the price for capacity is applied;
- Decree of the Government of the Russian Federation of July 28, 2017 No. 1615-r on prices (tariffs) for electricity (capacity) for the constituent entities of the Russian Federation that are part of the Far Eastern Federal District.

In accordance with the above-mentioned regulatory acts of PJSC RusHydro, the following work has been done:

- interaction with regional authorities to ensure compliance of regional regulatory legal acts with regulatory acts:
- interaction between FAS Russia and the Far East Regions in terms of agreeing and matching the estimated allowance to the adopted tariff decisions.

PJSC RusHydro makes efforts to develop strategic interaction with authorities in the regions of its presence

and create a favorable social climate for the effective development of the Group's companies, including through the development of social partnership in these regions. One of the forms of development of social partnership is the conclusion of agreements on mutually beneficial cooperation in the field of social and economic development of the region of presence.

In addition, with the state authorities of the constituent entities of the Russian Federation, on the territory of which the reservoirs of the hydroelectric power stations included in PJSC RusHydro are located, close interaction was conducted on the preparation and safe passage of floods.

On December 31, 2017, agreements and memoranda signed with the authorities of the following regions:

- Republic of Dagestan
- Republic of Sakha (Yakutia)
- Republic of Tatarstan
- Republic of Khakassia
- Kamchatka Territory
- Chukotka Autonomous District
- Amur Region
- Volgograd Region
- Irkutsk Oblast
- Magadan Region
- Moscow Region
- Sverdlovsk Oblast

The Company signed agreements on the transfer of donated special-purpose contributions to the budgets of the regions.

Guided by the decision of the country's leadership on the need for the priority development of the territories of the Far Eastern Federal District, the Company's executives interacted with state authorities at the federal and regional levels on such key issues for PJSC RusHydro, such as:

- formation of mechanisms for attracting investments in the modernization of thermal and electric power generation facilities in the Far East;
- development of approaches to improve the mechanisms for tariff regulation of the activities of electric power facilities in the non-price zone of the wholesale market and in isolated power systems of the Far East.

Shareholders and investors

During the reporting year, the Company conducted active work on interaction with the participants of the stock market and improving the disclosure of information. Within the framework of interaction with the investment community, the following activities were carried out during 2017:

- more than 200 individual and group meetings with the managers of the largest international and Russian investment funds;
- four quarterly conference calls of the management with analysts, investors, and rating agencies;
- Capital markets day with participation of analysts, portfolio managers, and business media.

During the meetings, the focus was on communicating the Group's strategic priorities and plans. In particular, the company clarified the transaction on raising 55 billion rubles from VTB Bank (PJSC) to the share capital of the Company and the conclusion of a five-year forward contract with the aim of solving the debt burden problem of the companies of the RAO ES Subgroup of the East, as well as the RusHydro Group Expansion Plan, developed and adopted in the reporting year period until 2021.

Analytical agencies

RusHydro actively cooperated with analytical agencies specialising in the assessment of companies from the point of view of sustainable development in 2017, which enabled the Company to significantly improve its results in the relevant international ratings and indices (see section Awards and ratings).

Business partners (see section 1.6.3)

Customers and consumers

PJSC RusHydro has successful experience of cooperation with prospective energy-intensive industrial consumers within the energy-industrial complexes, the purpose of which is to contract new generation and consumption facilities to hedge the risks of serious fluctuations in electricity prices necessary for the operation of new enterprises for a long-term period, as well as an integrated implementation of joint investment projects. Free contracts for the purchase and sale of electricity and capacity between new generators and consumers can serve as an effective tool for raising borrowed funds on the terms of project financing. This practice is mutually beneficial both for producers and consumers of electric energy, since it allows us to determine in advance the price (price formula) of electric energy and fix it on a long period of time sufficient for the return of investments and ensuring the accepted parameters of economic efficiency of investment projects.

Basic agreements with potential energy-intensive industrial consumers, signed in 2017

	Basic agreements with potential energy-intensive industrial consumers, signed in 2017				
Agreement	Direction of cooperation	Benefits			
Agreement on cooperation dated 01.06.2017 No. 1010-240-19-2017, signed between PJSC RusHydro and PJSC SIBUR Holding within the framework of SPIEF-2017	The agreement creates conditions for reliable energy supply of one of the largest possible petrochemical projects - the Amur Gas Chemical Complex (AGCC), whose construction project SIBUR is currently working on, and to optimize the performance of the company's energy equipment	Increasing the load of existing and future generating facilities of RusHydro in the Amur Region and IES of the East due to the organisation of energy supply to AGCC from the generating facilities of RusHydro Group and the failure of SIBUR from the option of power supply to AGCC from its own generating source			
The contract of purchase and sale of electric energy (capacity) of 16.09.2017 No. 1817 between PJSC "Polyus" in the person of JSC "Rudnik im. Matrosov "(JSC" RiM ") and PJSC RusHydro "represented by PJSC Kolymaenergo	Provision of power supply for Natalka Mining and Processing Plant (RM) in the Magadan Region.	Ensuring the loading of the Ust- Srednekanskaya HPP under construction in the Magadan Region.			
Power Supply Agreement No. 1 dated 01.03.2017 between PJSC "Polyus" represented by JSCVitimenergostroy and PJSC RusHydro represented by PJSC Yakutskenergo	Provision of power supply for the Polyus Verninskoye facilities located in the Irkutsk Region	Ensuring the loading of the cascade of the Vilyuiskiye HPPs in the Republic of Sakha (Yakutia)			

As part of ongoing work on contracting the generating facilities of RusHydro Group in the regions where new construction of generating facilities is planned, in particular in the regions of the Far East, a database on potential consumers of electricity and capacity generated by RusHydro Group's power plants for a long-term period has been signed, in cooperation with prospective energy-intensive consumers.

On the corporate website of PJSC RusHydro there is a special section for potential consumers: $\underline{ http://www.rushydro.ru/activity/elektrosnabzhenie-krupnykh-potrebiteley/} \ .$

Programs, including those with the participation of the Government of the Russian Federation, on improving or maintaining access to electricity and serving consumers (103)

Name, region	Description
Chuvash Republic: target model "Technological connection to electric grids" (Order of the Government of the Russian Federation No. 147-r of 31.01.17)	Simplification of procedures for technological connection to electric grids and conclusion of an energy supply contract (on the principle of "one-stop shopping")
The state program of the Ryazan Region "Development of communal infrastructure, energy saving and energy efficiency improvement for 2015-2020", approved by the Resolution of the Government of the Ryazan Region No. 314 of October 29, 2014	Objectives of the Program: - improving the quality and reliability of providing housing and communal services to the people; - realisation of the state policy of energy saving and increase of energy efficiency on the territory of the Ryazan Region, - Increasing the efficiency of the use of fuel and energy resources through the implementation of energy-saving measures.
The interaction of the applicant with the energy sales company on the conclusion of contracts (Ministry of Industry, Energy and Housing and Communal Services of the Krasnoyarsk Territory, in accordance with the order of the Government of the Russian Federation of January 31, 2017 No. 147-p)	Regulation of interaction between grid and energy sales organizations when concluding an energy supply contract in parallel with the procedure of technological connection.
Long-term program for replacement of ageing capacities and development of power systems of the Far East, the region - Far Eastern Federal District	The program is a fundamental document for the development of the electrical power industry of the Far East. The objectives of the Program are to ensure high-quality and reliable energy supply to DFO consumers by developing timely and consolidated solutions, including on the improvement of energy facilities, the formation of sound management and investment decisions for the medium and long term, the formation of proposals for funding sources of activities and the necessary changes in the regulatory framework. The implementation of the Program will solve the problem of providing reliable energy supply to existing and prospective consumers and will contribute to the development of the DFO economy as a whole. Based on the results of the development of the Program, proposals for the new construction and modernization of generating sources in the territory of the Far Eastern Federal District.

Professional associations and industry organizations

RusHydro Group is a member of Russian industry associations and non-profit partnerships. Among them are the organisations presented below RusHydro Group considers its participation strategic. (102-13)

Membership in russian and international industrial organizations

No	Organizations	Field of activities
1	International Hydropower Association	Maintenance and dissemination of knowledge on hydropower under the auspices of the International Hydrological Program of UNESCO
2	Global Sustainable Energy Partnership	The development of joint political platforms and the implementation of relevant initiatives in both domestic markets and internationally
NP "Market Council" Organisation of electricity purchase and sale in the wholesale electricity The group views participation as strategic.		
4	NP "Association of Land and Real Estate Owners and Investors"	The partnership is a platform on which the promotion of JSC RusHydro's interests is carried out and a dialogue is being built with the state authorities on the issues of improving land and property legislation.
5	NP "Hydropower of Russia"	Increase of the efficiency of hydropower facilities and the use of hydropower resources of Russia The group views participation as strategic.
6	All-Russian Association of Employers "The Russian Union of Industrialists and Entrepreneurs"	Protection of common economic and social interests and legal rights that are necessary for the sustainable development of companies and the market economy as a whole. The group views participation as strategic.
7	NP "Council of Energy Veterans"	Assistance to the members of the Partnership in carrying out activities aimed at providing comprehensive assistance to energy veterans The group views participation as a strategic one.

8	NP "Russian-Chinese Business Council"	The RCBC was created to promote joint economic projects between Russia and China, to protect mutual investments and settle corporate disputes, and to promote cooperation between Russian and Chinese business communities.
9	NP "Club of Directors for Science and Innovation"	The Club is a communicative platform for a community of professionals in research, development and innovation
10	NP "Energostroyalians"	Assistance in creating favorable conditions for the activities of enterprises engaged in construction, reconstruction, capital repairs of capital construction facilities, protection of the energy sector from unscrupulous foreign and domestic organisations and enterprises
11	NP "Scientific and Technical Council of UES"	Assistance to the members of the Partnership in the formation of scientific, technical and economic policy in the Unified Energy System of Russia
12	Association "ENERGOPROEKT"	Association of companies engaged in designing in the field of energy construction in order to ensure a high level of safety and reliability of capital construction projects. The scope of activities of the "ENERGOPROEKT" Association covers all types of design works that affect the safety of capital construction facilities, including highly dangerous and technically complex facilities, nuclear power facilities.
13	All-Russian branch of the Association of Electrical Power Industry (Association EEPI)	Representation of interests of employers of electric power industry, protection of their rights in public authorities, local self-government bodies, in relations with trade unions, their associations; representation of the interests of the industry's employers when concluding sectoral tariff agreements and other agreements regulating social and labor and related relations.
14	Self-regulating organizations (SROs)	Representing the interests of organizations that specialize in the construction, reconstruction and overhaul of capital construction projects. Such organizations include: - Association "EnergoStroyAlyans" - Association "Self-Regulating Corporation " Union of Builders of the Amur Region " - Association "Self-Regulating Corporation of Builders of the Krasnoyarsk Territory" - And other SROs at the location of PJSC RusHydro

Within the framework of the Year of the Environment, the Board of Directors of PJSC RusHydro recognised the expediency of the Company joining the largest United Nations initiative for business in sustainable development - the UN Global Compact. In 2017, RusHydro signed and sent a letter of commitment to the UN Secretary-General expressing support for the Treaty and its ten principles in the field of human rights, labor relations, environmental protection and combating corruption. In 2018, it is planned to join the Association "National Network of the Global Compact".

This integrated report is the first progressreport on sustainable development in accordance with the principles of the UN Global Compact. (102-12)

Charter, principles and initiatives that the Company supports

Name	Year of accession	Scope of the document
Declaration of "Reservoirs for Sustainable Development" (ICOLD)	2012	International instrument
The Social Charter of Russian Business (RUIE)	2013	RF
The Anti-Corruption Charter (RUIE)	2013	RF
The concept of long-term socio-economic development of the Russian Federation for the period until 2020	2008	RF
Methodology for assessing the compliance of hydropower projects with the criteria of sustainable development (International Hydropowe Association (IHA)	2011	International instrument
Industry tariff agreement in the electric power industry of the Russian Federation for 2016-2018	2016	RF
The UN Global Compact	2017	International instrument

Media

Interaction with the media in 2017 was aimed at ensuring the operational access of stakeholders to reliable information about the Company's activities. The key tasks of information and PR support of RusHydro's activities in 2017 were:

- a demonstration of the leading role of RusHydro in the development of the energy infrastructure of the Far East on the example of informing about the progressin the implementation of projects for the construction of new power capacities in the Far Eastern regions;
- informing about the unique technical parameters and the progress of the implementation of the Comprehensive Modernization Program aimed at updating the Company's main production assets HPPs;
- information on the implementation of construction projects for new hydro-generation facilities;
- emphasis on the key role of hydropower plants in regulating water regimes and protecting territories and populations from floods and floods;
- promotion of the topic of social responsibility of the Company and implementation of charitable initiatives;
- informing shareholders and investors on the results of the activities and development strategy of RusHydro;
- Spreading knowledge of the industry in the media and the general public.

To interact with the media and provide objective information about the activities of RusHydro, such tools as sending out press releases, posting information on the corporate website and in social networks, interviews with managers, press conferences, press tours to RusHydro's sites in the regions, media publications, are employed.

During the reporting period, the media published 58,705 publications with a reference to PJSC RusHydro and its controlled companies. More than 96 % of these reports were neutral and positive.

Negative publications about the RusHydro Group were related to two events: criticism of the President of Kyrgyzstan Almazbek Atambayev of the situation with the construction of the Upper Naryn cascade of hydropower plants and damage to the gate of the spillway of the Nizhne-Bureyskaya HPP in August 2017.

Work with the media in the reporting period Event Company's action On July 24, Kyrgyz President Almazbek July 25 PJSC RusHydro prepared a statement on the inadmissibility of information Atambayev made a number of criticising speculation and statements by Kyrgyz partners. The company recalled that the remarks regarding PJSC RusHydro and intergovernmental agreement on the construction and operation of the Verkhnethe situation with the construction of the Narynsky cascade of hydropower plants was unilaterally broken by the Kyrgyz side. Verkhne-Narynsky cascade of HPPs At the same time, RusHydro said that it reserves the right to initiate an international arbitration with a claim for compensation by the Kyrgyz side of all costs incurred by the Company in connection with the participation in the project. On August 24, with normal maneuvering The company quickly prepared, published on the site and sent out a press release to all mass media with a detailed description of the incident, an indication of the absence in span No. 1 of the spillway dam of the Nizhne-Bureyskaya HPP, the shutter was of victims and injuries. Also, a video was published reflecting the state of the machine room of the Nizhne-Bureyskaya HPP at 23:30 on August 24, 2017. On damaged August 25, the Company published a report on the stable situation at the Nizhne-Bureyskaya HPP, the progress of construction of the plant, and the results of testing the technological systems. It was stated that there was no threat to the population, for the equipment and main facilities of the HPP. Photos confirming the stable position around the station are published. Subsequently, there were published reports on the progress of restoration work, their completion, investigation of the reasons for the damage to the shutter. Nikolay Shulginov, Chairman of the Management Board of JSC RusHydro, reported to the President of the Russian Federation on the pprogress of the investigation into the causes of the incident. The report on the work of the Commission for Technical Investigation of the incident was published on RusHydro's corporate website, the press release was sent to the media.

CHAPTER 3 CORPORATE GOVERNANCE

3.1 Corporate Governance System

The corporate governance of RusHydro Group is aimed at creating and maintaining the Company's trustworthy relations with investors, protecting the rights and interests of shareholders, and increasing the value of shares.

The corporate governance system was created in accordance with the requirements of the legislation, taking into account the current trends and practices, as well as the requirements arising from the listing of shares and depositary receipts on the Moscow Stock Exchange, the London Stock Exchange and the OTCQX OTC market in the USA.

The model of corporate management in JSC RusHydro is characterised by the presence of a controlling shareholder - the state⁴⁰, which, due to the prevailing participation in the authorised capital, has a significant impact on corporate governance. However, such influence is exercised not in the administrative, but in the corporate order. Separate procedures for the implementation of the rights of the state as an owner are enshrined in legislation and reflect the procedure for the state to take its decisions with respect to the Company, exercised through corporate rights.

Key principles of the corporate governance:

- equal and fair treatment of all shareholders;
- professionalism, responsibility, and accountability of the Board of Directors to the Company's shareholders;
- ensuring the transparency and openness of information about the Company;
- effective system of risk management and internal control;
- fair exercise by all shareholders, the Company, its management bodies, officials and other interested persons of their rights, prevention of cases of abuse of rights;
- inadmissibility of actions of shareholders which are aimed at causing harm to other shareholders or the Company;
- continuous improvement of the corporate governance practices.

The principles and procedures for corporate governance of the Group are enshrined in the Charter and in the internal regulatory documents of the Company. The Corporate Governance Code of PJSC RusHydro⁴¹ (hereinafter – the Code)⁴² is a document that systematises corporate practices.

The approval of the Code demonstrates the Company's commitment to comply with the best practices of corporate governance, including the recommendations of the Bank of Russia's Corporate Governance Code (approved by the Bank of Russia Board of Directors on March 21, 2014). (102-16)

Evaluation of the quality of corporate governance

External evaluation of both individual aspects and corporate governance in 2017 was carried out by the Working Group on the Establishment of an International Financial Centre in the Russian Federation and the Expert Council under the Government of the Russian Federation, the Russian Union of Industrialists and Entrepreneurs and the Russian Institute of Directors.

In November 2017, the Working Group on the Establishment of the International Financial Center in Russia in conjunction with the Expert Council under the Government of the Russian Federation published the results of a study of the practice of introducing companies' priority recommendations of the Code and the quality of corporate governance. PJSC RusHydro took the 4th place in this study alongside PJSC NK Rosneft.

Following the results of 2017, the Company became one of the leaders in the The Russian Union of Industrialists and Entrepreneurs (RSPP) index of sustainable development - 'Responsibility and Openness'. The Responsibility and Openness index reflects the quality and breadth of disclosure of corporate information on sustainable development and corporate responsibility.

In May 2017, the Russian Institute of Directors, engaged by which the Company on an ongoing basis, conducted an annual assessment of the corporate management practices of PJSC RusHydro in accordance with the updated methodology of the National Corporate Governance Rating (NCGR). As a result of the assessment, PJSC RusHydro was assigned a corporate governance rating of 7 ++ "Advanced Corporate Governance Practices" on the NCGR scale.

This assessment confirms that the Company complies with the requirements of the Russian legislation in the field of corporate governance and follows a significant number of recommendations of the Russian Corporate Governance Code.

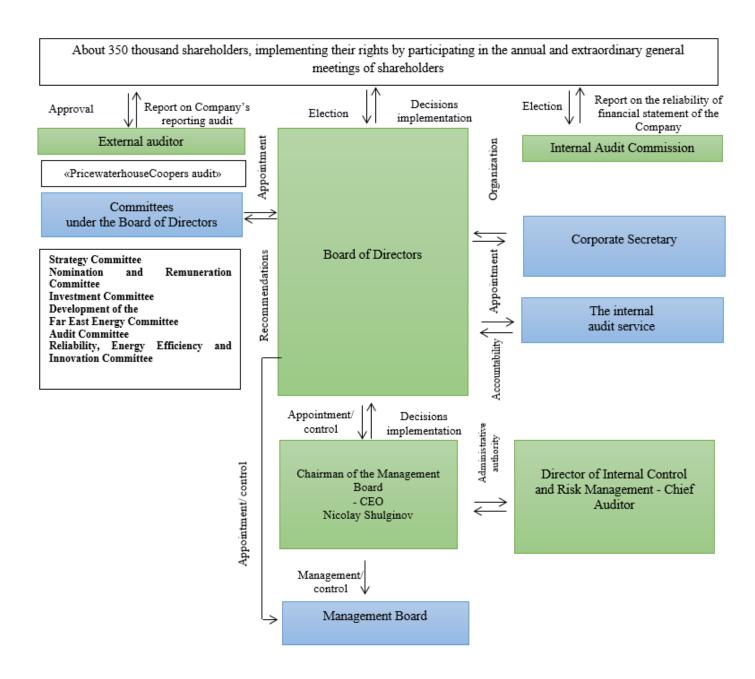
Corporate Governance Structure

PJSC RusHydro Corporate Governance Scheme (102-18)

⁴⁰ Information on the existence of a memorandum on the plans of the Russian Federation in relation to the Company http://www.rushydro.ru/investors/stockmarket/capital/svedeniya-o-nalichii-memoranduma-o-planakh-kontroliruyushchego-obshchestvo-litsa-v-otnoshenie-obshch ⁴¹ Approved by the Board of Directors on June 19, 2015 (with amendments approved by the decisions of the Board of Directors of PJSC RusHydro (Minutes No. 239 of 23.06.2016, No. 263 of December 28, 2017).

⁴² The Corporate Governance Code of PJSC RusHydro is not available in English.

The responsibility for implementing this code is vested in the Board Memberwho oversees the Financial and Corporate Governance Unit. Familiarisation of all interested persons with this Code takes place through the disclosure of the Code on the official website of the Company on the Internet. Thus, their familiarisation them, as well as the signing by all (as well as new) members of the Board of Directors, employees and business partners is not required. Regular training of all (and also new) members of the Board of Directors, employees, and business partners is not required.



3.1.1 Corporate governance development

In 2017, the Company continued to implement Code standards aimed at improving the level of corporate governance by bringing internal documents in line with it, as well as the application of standards in everyday practice.

Compliance with the principles of the Corporate Governance Code *

The status of the implementa tion of the norms and principles of the Code	Year	Shareholder rights and equality of conditions for shareholders in exercising their rights	Board of Direct- ors of the Comp- any	Corporate Secretary of the Company	The remuneration system for members of the Board of Directors, executive bodies, and other key management personnel of the company	Risk manage- ment and internal control system	Disclosure of information about the Company, information policy of the Company	Significant corporate actions
Implemen-	2015	9	12	-	3	5	1	-
ted	2016	10	20	2	10	5	3	-
	2017	11	23	2	10	6	6	-
	2015	3	17	2	6	1	6	4

Partially	2016	2	12	-	=	1	4	4
implemen-	2017	2	6	-	-	1	1	4
ted								
Not	2015	1	7	-	1	ı	=	1
performed	2016	1	4	-	=	-	-	1
	2017	-	7	-	-	-	-	1
Not	2015	-	-	-	-	-	-	-
applicable								
	2016	-	-	-	-	•	-	-
	2017	-	-	•	•	-	-	-
Total 2017		13	36	2	10	6	7	5

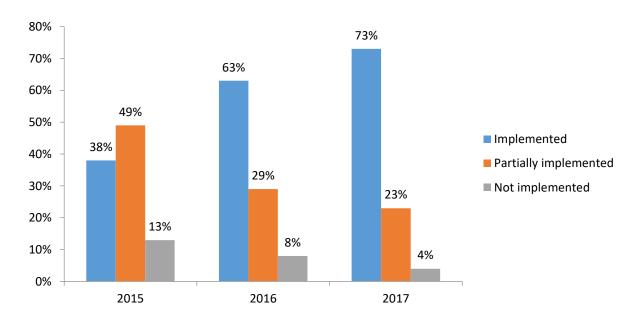
^{*} The assessment of compliance with the principles of corporate governance enshrined in the Code of Corporate Governance was carried out according to the methodology developed by the Bank of Russia, taking into account recommendations on compiling a report on compliance with the principles and recommendations of the Corporate Governance Code (annex to Bank of Russia Letter No. IN-06-52/8 of February 17, 2016). For a full report on the Company's compliance with the principles and recommendations of the Corporate Governance Code and the explanation of deviations from the criteria for assessing compliance with corporate governance principles, see Appendix No. 1 to the annual report.

In 2017, the following key events were conducted:

- PJSC RusHydro shares held by controlled entities did not participate in voting during the reporting period. In 2017, a significant portion of quasi-treasury shares were sold to VTB Bank (PJSC). At the moment, the companies of RusHydro Group held 0.9% of the Company's voting shares;
- The PJSC RusHydro Board of Directors assessed the effectiveness of the Company's risk management and internal control system, and also discussed the corporate governance practice in the Company;
- Senior Independent Director was elected;
- The Board of Directors approved the Regulation on the Information Policy of the Company in a new version, and at the end of 2017 reviewed the report on its implementation;
- The Nominations and Remuneration Committee made an assessment of the independence of nominees to the Board of Directors for the purpose of providing information to the Company's shareholders before the annual General Meeting of shareholders;
- the list of materials provided to the shareholders of the Company for the annual General Meeting of Shareholders has been expanded.

As a result of the gradual introduction of the Code, the share of principles fully observed in PJSC RusHydro increased: 38% in 2015, 63% in 2016 and 73% in 2017

Implementation of the Code of Corporate Governance, %



The main directions of improving the Company's corporate governance system for 2018:

- update and inclusion in the internal documents of the Company of norms aimed at:
 - forming an introductory course programme for the members of the Board of Directors elected for the first time.
 - preventing and resolving conflicts of interest of members of the Board of Directors,
 - creating an opportunity for the Board of Directors to attract external independent experts (consultants) to study issues that are the subject of its consideration,
 - creating an opportunity to increase the efficiency of the work of the members of the Board of Directors through training and improving their skills,
 - providing members of the Board of Directors with access to documents of entities controlled by the Company;
- depending on the actual circumstances and requirements increase in the number of meetings of the Board of Directors of the Company;
- improving the quality and detail of information disclosure in the Annual Report and on the Company's website.

3.1.2 Management of controlled companies

PJSC RusHydro (including indirectly through controlled companies) participates in the authorised capital of companies that are engaged in production and sales of electricity and heat, design, construction, maintenance, technical re-equipment and reconstruction of power facilities, as well as other activities.

The Company's interaction with the controlled companies is aimed at implementing the strategy, ensuring stable economic development and investment attractiveness, as well as protecting the rights and interests of shareholders of both the Company itself and its controlled companies.

The Company manages controlled companies through its representatives at general meetings of shareholders / participants, on boards of directors and in controlled companies control bodies in accordance with the Charter and the Regulations on the formation of instructions to representatives of JSC RusHydro on issues on the agenda of meetings of management bodies of PJSC RusHydro controlled companies.

Determination of the position of the Company (its representatives in the management bodies of subsidiaries) on the most significant issues related to the activities of its subsidiaries (reorganisation, liquidation, change of the authorised capital, approval of major transactions, participation of subsidiaries in other organisations) falls within the competence of the Board of Directors. Determination of the position on other significant issues related to the activities of subsidiaries (on the approval (adjustment) of KPIs, on transactions with shares (shares), etc.), and decisions on the competence of the supreme management bodies of subsidiaries, 100% of the authorised capital of which belongs to the Company to the competence of the Board.

3.2 PJSC RusHydro Governing Bodies

3.2.1 General Meeting of Shareholders

The supreme management body in the Company is the General Meeting of shareholders, which operates in accordance with the laws of the Russian Federation, the Company's Charter and the Regulations on the procedure for convening and holding the General Meeting of shareholders of PJSC RusHydro approved by the annual General Meeting of shareholders on June 26, 2017 (Minutes dated 27.06.2017 No. 16).

The annual General Meeting of Shareholders following the results of 2016 was held on June 26, 2017 in Moscow (Minutes No. 16 dated June 27, 2017), at which the following decisions were made:

- the Annual Report of PJSC RusHydro for 2016 was approved;
- the annual accounting (financial) statements for 2016 was approved;
- approved the distribution of profits by the end of 2016;
- dividend payment for 2016 was approved;
- new members of the Board of Directors and the Audit Commission were elected;
- the Company's auditor was approved;
- remuneration to the members of the Board of Directors and members of the Audit Commission was

approved;

- the Charter, the Regulations on the Procedure for Convening and Holding the General Meeting of shareholders of the Company, the Regulations on the Procedure for Convening and Holding Meetings of the Board of Directors of the Company, the Regulations on the Management Board of the Company, the Regulations on Remuneration and Compensation to the members of the Audit Commission, the Regulations on the Payment of Remuneration and Compensation to Members of the Board of Directors;
- termination of participation of PJSC RusHydro in NP "Konts EES" approved
- approved a loan agreement between PJSC RusHydro and JSC "RAO ES of the East", which is an interested party transaction.

For materials of the meeting, including the Protocol, see http://www.eng.rushydro.ru/governance/general-meeting/passed/2017/2017/

3.2.2 Board of Directors

The Board of Directors PJSC RusHydro (hereinafter - the Board of Directors) is annually elected by the General Meeting of Shareholders and carries out the strategic management of the Company.

The Board of Directors acts on the basis of the Charter and the Regulations on the Procedure for Convening and Holding Meetings of the Board of Directors of PJSC RusHydro approved by the Annual General Meeting of Shareholders on June 26, 2017.

The Board of Directors implements the following key functions in the management of the Company: it determines the main principles and approaches to the organisation of the risk management and internal control system in the Company, makes decisions on improving corporate governance practices, determines the directions of investment and business planning, efficiency management, innovative development, and it also addresses issues related to sustainable development. The Board of Directors is also involved in some of the most important or regular operational issues, such as ensuring the reliability and safety of the operation of the Company's facilities, the status of implementing the largest projects, the approval of individual transactions, the management of controlled companies.

The number of members of the Board of Directors is 13, which is determined by the Company's Charter.

The Board of Directors consists of 4 independent directors: Maxim Bystrov, Pavel Grachev, Vyacheslav Pivovarov and Sergey Ivanov (for details on the criteria and grounds for independence see the table with information on the membership of the Board of Directors of December 31, 2017).

In 2017, there were two new members of the Board of Directors – the members were elected at the Annual General Meetings of Shareholders on June 27, 2016 and June 26, 2017. Of the 13 members of the Board of Directors, the powers of all 13 members of the Board of Directors were prolonged.

The Board of Directors members' civil responsibility for losses that may arise from the Company and from third parties as a result of the adoption of certain decisions of the Board of Directors is insured annually (for more details, see section 1.3.3 of the Insurance cover).

Conflict of interests

In accordance with the Code of Corporate Ethics of PJSC RusHydro approved by the Board of Directors on May 21, 2012 (Minutes No. 152) and the Code of Corporate Ethics of PJSC RusHydro approved by the Board of Directors on April 7, 2016 (Minutes No. 235), the members of the Board of Directors should refrain from actions that will lead or potentially lead to a conflict of interest, and in the event of a conflict of interest, a member of the Board of Directors must notify the Company of a conflict of interest. The obligation to notify of the existence of a conflict of interest also (from June 27, 2016) is contained in the Regulations on the procedure for convening and holding meetings of the Board of Directors of PJSC RusHydro.

In 2017, no notifications from members of the Board of Directors of PJSC RusHydro that they had a conflict of interest in 2017 were received.

Board of directors membership as of 31.12.17**

	Yury Trutnev (Chairman of the Board of Directors)	Artem Avetisyan	Maxim Bystrov	Pavel Grachev
Status	Representative of the Russian Federation, voting on directives	Representative of the Russian Federation, voting on directives	Recognised by the Board of Directors as an independent director since the director on the date of recognition has formal criteria of connection with the Company's significant counterparties - ATS, JSC SO UES, JSC CFR and ANO UTS Market Council. This connection is formal and does not affect the ability of Bystrov M.S. to act on the Board of Directors in the interests of the Company and all its shareholders ⁴³	Independent Director
b.y.	1956	1976	1964	1973
Education	Perm Polytechnic Institute (Mining Engineering)	Finance Academy of The Government of the Russian Federation (Finance and Credit)	VV Kuibyshev Moscow Civil Engineering Institute (Hydraulic Engineering Structures and River Hydro Power Plants) All-Russian Academy of Foreign Trade (World Economy)	St. Petersburg State University, Law; University of Trieste, a PhD in Law

⁴³ Detailed information on the recognition by the Board of Directors of Bystrov M.S. as an independent director is disclosed on the Company's website at: http://www.rushydro.ru/upload/iblock/881/Vipiska-iz-protokola--263.pdf

	T	T	1	
ther	Work experience for the last	Work experience for the last 5 years:	Work experience for the last 5 years:	Work experience for the last 5 years:
ofc	5 years:	2011 – present:Director of New	2013 – present: Chairman of the Board of the	2014 – present:- General Director of PJSC
Experience over the past 5 years and participation in the management bodies of other organisations as of 31.12.17	2013 – present: Deputy Prime Minister of the Russian	Business, ANO Agency of Strategic Initiatives for Promotion of New	Association NP Market Council 2013 – present: Chairman of the	"Polyus" 2016 - present time - General Director of
ent l	Federation - Plenipotentiary Representative of the President	Projects Projects	Management Board of ATS	LLC "UK Polyus"
gemo	of the Russian Federation in	2017-2015: President of LLC Commercial Bank Uniastrum	2013-2010: Deputy Plenipotentiary	2014-2016 - President of JSC Polyus
lana	the Far Eastern Federal District	2016-2014: Vice-President of OOO	Representative of the President of the Russian Federation in the North Caucasus	2011-2013 - Head of Representative Office
the m	2013-2012: Aide to the President of the Russian	NEO Center	Federal District	ALPINAKAPITAL EI.S.E.L. LIMITED "(Republic of Cyprus), Moscow
n in 31.12	Federation	Information on positions held in management bodies as of December	Information on positions held in management bodies as of December 31,	Information on positions held in
ears and participation in the organisations as of 31.12.17	Information on positions held in management bodies as of	31, 2017 *:	2017 *:	management bodies as of December 31,
ticip is as	December 31, 2017 *:	- Member of the Board of Directors of	- Member of the Supervisory Board of the	2017 *:
l par ation	- Member of the Supervisory	PJSC CB "Vostochny" (Chairman)	Association NP Market Council;	- Member of the Board of Directors (Chairman) of OOO SL Gold
s anc	Board of Rosatom State Corporation		- Member of the Board of Directors of ATS;	- Member of the Board of Directors of
year	- Member of the Supervisory		- Member of the Board of Directors of JSC SO UES.	PJSC "Polyus"
st 5	Board of the Federal State			- Member of the Board of Directors of PJSC "FGC UES"
le pa	Autonomous Educational Institution of Higher Education			Tibe Tee OLS
er th	"Far Eastern Federal			
% ov	University" - Co-chairman of the All-			
rienc	Russian Union of Public			
Expe	Associations "Russian Union of Martial Aarts"			
, ,	Committee for the	-	Audit Committee, Personnel and	The Strategy Committee, the Committee for
ttees	Development of Energy in the Far East		Remuneration Committee, Investment Committee	the Development of Energy in the Far East
Committees	rai East		Committee	
Co				
71	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation
Extended				
Exte				

nip urd ors	Since 2015	Since 2015	Since 2013	Since 2016
ersł Boa ectc				
the Dir				
Me in of				

	Sergey Ivanov	Vyacheslav Kravchenko	Vyacheslav Pivovarov	Nikolay Podguzov
	Recognised by the Board of Directors as a Senior Independent Director.	Representative of the Russian Federation, voting on directives	Independent Director	Representative of the Russian Federation, voting on directives
	Recognised by the Board of Directors as an Independent Director, since The director on the date of recognition had formal criteria of connection with:			
Status	- a key shareholder of the Company - the Russian Federation, as a member of the Board of Directors of more than two organisations controlled by the Russian Federation and			
	- the state as it is the general director of "RT-Capital" PLC- a organisation controlled by the Russian Federation.			
	This connection is formal and does not affect the ability of Ivanov S. N. to act on the Board of Directors in the interests of the Company ⁴⁴			
b.y.	1961	1967	1972	1974
	Moscow Engineering Physics	Moscow State University (Law)	Sergo Ordzhonikidze State	St. Petersburg State Technical University;
Education	Institute (theoretical nuclear physics) Doctor of Economic Sciences Corresponding Member of the Russian Academy of Sciences		Academy of Management (World Economy) American University in Paris (Applied Economics) Stanford Business School	Moscow State Institute of International Relations of the Ministry of Foreign Affairs of Russia

⁴⁴ Detailed information on the recognition by the Board of Directors of Ivanov S.N. as an independent director is disclosed on the Company's website at: http://www.rushydro.ru/upload/iblock/881/Vipiska-iz-protokola--263.pdf

Experience over the past 5 years and participation in the management bodies of other organizations as of 31.12.17	Work experience for the last 5 years: 2017 - 2016 - General Director of OOO RT-Capital 2016-2015 - General Director of AO Corporation Nechernozemagropromstroi 2016-2011 - General Director of OJSC ERKO 2015-2012 - General Director of LLC Lenset Information on positions held in management bodies as of December 31, 2017 *: - Member of the Board of Directors of JSC RT-Stroytech - Member of the Board of Directors of RT-Capital LLC	Work experience for the last 5 years: 2013 - present time - Deputy Minister of Energy of Russia 2013-2012 - Chairman of the Board of the Association of NP Market Council Information on positions held in management bodies as of December 31, 2017 *: - Member of the Board of Directors of PJSC "Rosseti" - Member of the Board of Directors of PJSC "MOESK" - Member of the Board of Trustees of NIU "MEI" - Member of the Board of Directors of JSC "SO UES" (Chairman)	Work experience for the last 5 years: 2011 - present time - President of Altera Capital LLC Information on positions held in management bodies as of December 31, 2017 *: - Member of the Board of Directors of GeoProMining Investment Ltd (Cyprus) Has experience and knowledge in the field of preparation, analysis, evaluation, and audit of accounting (financial) reporting	Work experience for the last 5 years: 2017 - present time - General Director of FSUE Russian Post 2013 - 2017 - Deputy Minister of Economic Development of Russia 2013 - 2012 - Deputy Director of the Department of Economics and Finance of the Government of Russia Information on positions held in management bodies as of December 31, 2017 *: - Member of the Supervisory Board of VTB Bank (PJSC) - Member of the Supervisory Board of PJSC "Pochta Bank" - Member of the Board of Directors of PJSC "Rosseti" - Member of the Board of Directors of GC "DIA"
Committees	Audit Committee, Personnel and Remuneration Committee, Committee on Reliability, Investment Committee	Committee on Reliability, Energy Efficiency and Innovation, Committee for the Development of Energy in the Far East	Audit Committee, Personnel and Remuneration Committee, Investment Committee, The Strategy Committee	-
Extended	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation
Membership lin the Board of Directors	Since 2015	Since 2014	Since 2013	Since 2016

	Nikolai Rogalev	Alexey Chekunkov	Sergey Shishin	Andrey Shishkin	Nikolay Shulginov
Status	Representative of the Russian Federation, voting on directives	Member of the Board of Directors	Member of the Board of Directors	Member of the Board of Directors	Representative of the Russian Federation, voting on directives, Chairman of the
Sta	reactation, voting on affectives	Birectors	Birectors		Management Board - CEO
b.y	1962	1980	1963	1959	1951
Education	Moscow Power Engineering Institute (Thermal Power Plants)	Moscow State Institute of International Relations, (Economics)	Higher School of KGB, Border University of KGB, Russian Academy of Public Administration of the President of the	Gubkin Moscow Institute of Petrochemical and Gas Industry(Oil Engineering)	Sergo Ordzhonikidze Labour Polytechnic Institute of Novocherkassk (Electricity Supply of Industrial Companies and Cities); PhD in Technical Sciences
			Russian Federation (State and Municipal Administration)		

Work experience for the last 5 years:

2016 - present time- President of NP "Scientific and Technical Council of the Unified Energy System"

2015 - present time - Head of the Federal State Educational Establishment of Higher Professional Education "NIU MPEI" (part-time)

2013 - present time - Rector of the NIU MPEI FGBOU HPE

2013 – 2013 Rector of the State Educational Establishment of Higher Professional Education "NIU MPEI"

2012 - present - Deputy Manager of the Fund "Energy Without Borders"

2001-2013 - Head of a Department. Chair (part-time) FGBOU HPE "NIU MPEI"

Information on positions held in management bodies as of December 31, 2017 *:

- Member of the Board of Directors of PJSC "Rosseti"
- Chairman of the Supervisory Board of the Energy Without Borders Foundation

Work experience for the last 5 years:

2014 - present time -General Director of the Fund for Development of the Far East and Baikal Region JSC

2014-2013 - First Deputy General Director of OOO Kada-Neftegaz

2013-2011 - Director of LLC "MC" RFPI

"Information on positions held in management bodies as of December 31, 2017 *:

- Member of the Board of Directors of LLC Skolkovo Venture Investments
- Member of the Board of Directors of Voskhod JSC
- Member of the Supervisory Board of AK ALROSA (PJSC)
- Member of the Supervisory Board of ANO "Agency of the Far East for attracting investments and supporting exports" (Chairman)

Work experience for the last 5 years:

2007 - present time -Senior Vice-President of Bank VTB (PJSC)

Work experience for the last 5 years:

2016 - present time - President, Chairman of the Management Board of PJSC ANC Bashneft

2015 - present time - General Director of LLC "RN-Active"

2012 - present time - Vice-President, since 2015 - also a member of the Management Board of PJSC NK "Rosneft"

Information on positions held in management bodies as of December 31, 2017 *:

- Member of the Board of Directors of Zvezda-Hyundai LLC (Chairman)
- Member of the Board of Directors of OOO NPO "Drilling Equipment", LLC "SNGT", OJSC "TomskNIPIneft"
- Member of the Board of Directors of PJSC ANC Bashneft (Deputy Chairman)
- Member of the Board of Directors of PJSC "Giprotyumenneftegas", LLC "Star of Marine Technologies"
- Member of the Board of Directors of RIG Research Pte. Ltd, JSC DCCS, JSC Central Design Bureau Lazurit (Chairman), RN Exploration and Production LLC, RN-Commerce LLC, RN-Pererabotka LLC

Work experience for the last 5 years:

2015 - present time - Chairman of the Management Board - General Director 2016 - present - Member of the Management Board of the RUIE "RSPP"

2015-2004 - Deputy Chairman, First Deputy Chairman of the Management Board of JSC SO UES

Information on positions held in management bodies as of December 31, 2017 *:

- Member of the Board of Directors Global Sustainable Energy Partnership (Global Energy Partnership)
- Member of the Board of Trustees of the Siberian Federal University
- Member of the Board of Directors of PJSC "Rosseti"
- Member of the Supervisory Board of NP "Hydropower of Russia" and Association of NP "Market Council for the Organisation of an Effective System for Wholesale and Retail Trade in Electrical Energy and Power"
- Member of the Board of Trustees of the State Educational Establishment of Higher Professional Education in the NIU MPEI
- Member of the Supervisory Board of NP "Scientific and Technical Council of the Unified Energy System"

Committees	Committee on Reliability, Energy Efficiency and Innovation; Strategy Committee; Investment Committee	Committee on Energy Development of the Far East; Committee on Reliability, Energy Efficiency and Innovation; Investment Committee		-	The Strategy Committee
Extended	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation	(2016) Russian Federation
Membership in the Board of Directors	Since 2016	Since 2016	Since 2011	Since 2014	Since 2016

^{*} Information on all the positions held in the management bodies of other organisations for the last 5 years is given in section 5.2.1 of the Company's quarterly report for the 4th quarter of 2017, which is published at http://www.rushydro.ru/upload/iblock/d01/1-EZhO-4-kv.17.pdf

The duties of the Representatives of the Russian Federation are determined by Decree of the Government of the Russian Federation No. 738 of 03.12.2004.

The independence of the members of the Board of Directors is determined in accordance with the criteria for the independence of the PJSC Moscow Stock Exchange and the Corporate Governance Code recommended by the Bank of Russia.

^{**} Members of the Board of Directors as of December 31, 2017 do not own shares in the Company, including indirectly. In the reporting year, the members of the Board of Directors did not acquire or alienate shares of the Company and the Group companies did not issue loans to members of the Board of Directors.

Board of Directors assessment

In accordance with the recommendations of the CIC of the Bank of Russia, the performance of the Board of Directors is assessed on a regular basis.

In 2016, the Board of Directors for the first time conducted a self-evaluation of its activities for the corporate of years 2015-2016, resulting in a Plan of measures to improve the activities of the Board of Directors of the Company (approved by the Board of Directors on June 23, 2016).

As part of the implementation of this Plan, the Company implemented the following measures to improve the effectiveness of the Board of Directors:

- increase in the number of informal meetings of members of the Board of Directors (meetings of the Board of Directors held in full-time);
- consideration of strategic issues at the meetings of the Board of Directors held in full-time;
- consideration by the Board of Directors of issues related to the risk management system;
- review of RusHydro Group's consolidated business plans and investment programmes, an action plan for optimising the costs of RusHydro Group companies, and reports on their execution;

To conduct an external independent evaluation of the activities of the Board of Directors of PJSC RusHydro for 2017, the Company attracted an independent company with a worldwide reputation - PricewaterhouseCoopers Advisory LLC.

The methodology for conducting an independent evaluation of the activities of the Board of Directors of the Company assumed the following activities:

- evaluation of the effectiveness of the Board of Directors as a whole (for the purpose of balancing the membership of the Board, the Council's performance of key functions assigned to it and its role in the corporate governance system and the successful development of the Company, as well as the Council's operating procedures);
- evaluation of the effectiveness of each Committee of the Board of Directors (also on the membership, role and procedures of the work of the Committees);
- evaluation of the effectiveness of the Chairman of the Board of Directors and the Senior Independent Director;
- individual evaluation of the effectiveness of the members of the Board of Directors.

These activities were carried out through:

- questioning sessions with members of the Board of Directors;
- individual interviews with members of the Board of Directors, the Corporate Secretary, and some key management personnel of the Company;
- analysis of internal documents and materials related to the activities of the Board of Directors and its Committees, as well as their protocols.

The preliminary results of the independent evaluation of the Board of Directors' activity testify to the fact that the Company complies with most of the principles and recommendations of both Russian and British corporate governance codes concerning the activities of the Board of Directors and its Committees. The explanation of certain areas of non-compliance with these principles and recommendations is provided in Appendix 1 to the Annual Report.

The results of an external independent evaluation of the activities of the Board of Directors and recommendations aimed at improving the efficiency of the Board of Directors and its Committees are planned to be considered at the in-person meeting of the Board of Directors in the second quarter of 2018. Based on the results of the evaluation and based on the recommendations of PricewaterhouseCoopers Advisory LLC, an action plan (roadmap) will be prepared to increase the effectiveness of the Board of Directors.

Also in 2017, PJSC RusHydro conducted a procedure for evaluating the activities of the Board of Directors to determine the contribution of Russian Federation representatives to the Company's operations, taking into account its development strategy. The valuation was carried out in accordance with the methodology approved by Rosimushchestvo for the individual evaluation of members of the Board of Directors of joint-stock companies with state participation (Order of the Federal Property Management Agency of March 6, 2014 No. 71). The evaluation was carried out in the office of the Company on the MV-Portal of the Federal Property Management Agency by filling out the questionnaire on the members of the Board of Directors, proposed by the Federal Property Management Agency.

Report on the activities of the Board of Directors of PJSC RusHydro

In 2017, 18 meetings of the Board of Directors were held, of which 6 meetings were held in person. Number of questions - 178.

Number of meetings of the Board of Directors



In 2017, on average, attendance at meetings of the Board of Directors was 93% of all meetings held in 2017.

Personal attendance of meetings of the Board of Directors in 2017

Full name of the Board of Directors' member	01/18	02/21	04/04	04/05	04/18	04/19	05/22	06/21	08/10
	In absentia	In absentia	Full- time	In absentia	In absentia	Full- time	In absentia	In absentia	In absentia
Avetisyan A .D.	+	+	+	+	+	-	+	+	-
Bystrov M. S.	+	+	+	+	+	+	+	+	-
Grachev P.S.	+	+	+	+	+	+	+	+	+
Ivanov S. N.	+	+	+	-	+	+	+	+	+
Kravchenko V. M.	+	+	+	+	+	=	+	+	-
Pivivarov V. V.	+	+	+	+	+	+	+	+	+
Podguzov N.R.	+	+	+	+	+	+	+	+	+
Rogalev N.D.	+	+	+	+	+	+	+	+	+
Trutnev Y. P.	+	+	+	+	+	+	+	+	+
Chekunkov A.O.	+	+	+	+	+	+	+	+	+
Shishin S.V.	+	+	+	+	-	-	+	+	+
Shishkin A.N.	+	+	+	+	+	+	+	+	+
Shulginov N.G.	+	+	+	+	+	+	+	+	+

Full name of the Board of Directors' member	08/29	08/30	10/11	10/27	10/27	11/24	12/13	12/25	12/26	Share of participation of a member of the Board of Directors in the total number of meetings
	In	Full-	In	Full-	In	In	Full-	In	In	
	absentia	time	absentia	time	absentia	absentia	time	absentia	absentia	
Avetisyan A .D.	-	-	-	+	+	+	+	+	+	13/18
Bystrov M. S.	+	+	+	+	+	+	+	+	+	17/18
Grachev P.S.	+	+	+	+	+	+	+	+	+	18/18

Ivanov S. N.	+	+	+	+	+	+	+	+	-	16/18
Kravchenko V. M.	+	+	+	+	+	+	+	+	+	16/18
Pivivarov V. V.	+	+	+	+	+	+	+	+	+	18/18
Podguzov N.R.	+	+	+	+	+	+	+	-	-	16/18
Rogalev N.D.	+	+	+	+	+	+	+	+	+	18/18
Trutnev Y. P.	+	+	+	+	+	+	+	+	+	18/18
Chekunkov A.O.	+	+	+	+	+	+	+	+	+	18/18
Shishin S.V.	+	+	+	+	+	+	+	+	+	17/18
Shishkin A.N.	+	-	-	+	+	-	+	+	+	15/18
Shulginov N.G.	+	+	+	+	+	+	+	+	+	18/18

Agenda of the Board of Directors meetings on the most significant issues (quarterly)

1st Quarter

- On the formation of management bodies of PJSC "RusHydro": on the election of a member of the Management Board of PJSC "RusHydro".
- On the disposal of shares of PJSC RusHydro owned by its subsidiary.
- On measures to refinance debts of companies of the RAO ES subgroup of the East.
- Reports of the Committees under the Board of Directors.
- Approval of the Work Plan of the Board of Directors of PJSC RusHydro for the first half of 2017.
- Approval of the report on the implementation of the Charity and Sponsorship Programme of the Company for 2016.
- Approval of the Charity and Sponsorship Programme of the Company for 2017

2nd Quarter

- Preliminary approval of the Company's consolidated investment programme.
- Amendments to the Long-term Development Programme of RusHydro Group.
- Issues of the Committees under the Board of Directors, including their reports
- On proposals for improving the methodology for calculating and evaluating key performance indicators in terms of the implementation of capacity schedules and a plan for financing and development.
- On the approval of the report on the implementation of the Company's Business Plan for 2016 (including reports on the implementation of the Investment Programme (including the Programme for the comprehensive modernisation of generating facilities), the Annual Comprehensive Programme of Purchases for 2016 and the Progress Report on the implementation of the set of measures (list of activities) for the reduction of operating expenses (expenses) for 2016).
- On consideration of the report on the implementation of the consolidated business plan (including the consolidated Investment Programme) of RusHydro Group for 2016.
- On the execution of KPI for PJSC RusHydro for the 4th quarter of 2016 and for 2016.
- Consideration of the consolidated Business Plan (including the consolidated Investment Programme) of RusHydro Group for 2017-2021, and approval of the target values of annual

3rd Quarter

- Election of the Chairman of the Board of Directors of the Company.
- Approval of the Work Plan of the Board of Directors for the second half of 2017 and Discussion of questions of the Committees under the Board of Directors of the Company.
- On the conclusion of agreements on the introduction of gratuitous earmarked contributions to the budgets of the regions of the Far Eastern Federal District pursuant to Art. 32 of the Federal Law of March 26, 2003 No. 35-FZ "On Electrical Power Industry" and in order to ensure the functioning of the mechanism for bringing prices (tariffs) for electricity (power) to basic levels.
- On approval of the Company's report for 2016 in the field of corporate social responsibility and sustainable development.

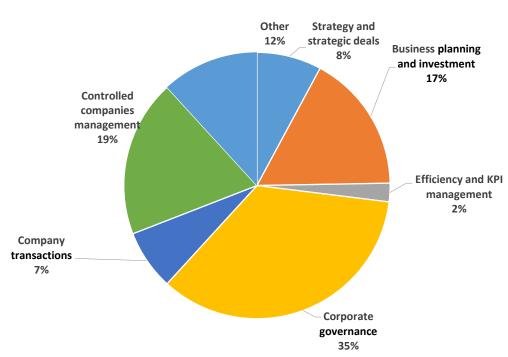
4th Quarter

- On the implementation of the Long-term development programme of RusHydro Group for the first half of 2017.
- Business plan of the Company for 2017. (Adjustment and report for the first half of 2017, including reports on the implementation of the Investment Programme (including the Programme for the comprehensive modernisation of generating facilities and the Annual comprehensive programme of purchases for the first half of 2017).
- On the execution of KPI PJSC RusHydro for 2016.
- Consideration of RusHydro Group's Value Increase Plan for the period up to 2021.
- On corporate governance issues of PJSC RusHydro.
- On the interim results of the implementation of the Business plan of PJSC RusHydro for 2017, taking into account the 9 months of 2017 (including reports on the implementation of the Investment Programme (including the Programme for the comprehensive modernisation of generating facilities) and the Annual comprehensive program of purchases for the 9 months of 2017).
- On the approval of the Insurance Coverage Programme of PJSC RusHydro for 2018.
- Transactions and priority projects.

KPIs of the members of the Management Board of PJSC RusHydro for 2017 and the KPI target values of the long-term motivation programme of PJSC RusHydro for the first cycle for 2017-2019.

- Consideration of issues related to the convening of the Annual General Meeting of Shareholders, recommendations
- Report of the Management Board of the Company for 2016.
- Review of the progress report on the implementation of the set of measures (list of measures) for the introduction of professional standards in the activities of the Company.
- On the approval of the report on the implementation of the Innovative Development Programme of RusHydro Group for 2016-2020 with the possibility of prolonging it till2025.
- · Priority projects.

The issues considered by the PJSC RusHydro Board of Directors



See the minutes of the meetings of the Board of Directors (http://www.rushydro.ru/corporate/board/minutes/)

Company's strategy issues. Strategic deals The Board of Directors (date, action):

- 02/21/2017, examined the information on the measures taken to attract funds for the repayment of loans and borrowings of the companies of the RAO ES Subgroup of the East, and concluded a procedure for the early execution of the transaction (forward contract) with VTB Bank (PJSC);
- 04/18/2017, in order to ensure the relationship between the achievement of KPI DWP and the management remuneration, approved changes in the DPR of RusHydro Group;
- 08/10/2017, approved the conclusion of agreements on the introduction of donated earmarked contributions to the budgets of the regions of the Far Eastern Federal District in pursuance of Art. 32 of the Federal Law of March 26, 2003 No. 35-FZ "On Electrical Power Industry" and in order to ensure the functioning of the mechanism for bringing prices (tariffs) for electricity (power) to basic levels;
- -08/30/2017, * took the decision to approve the preliminary results of the structuring of the participation project of PJSC RusHydro in the construction of the Taishet Aluminum Plant, taking into account the simultaneous fulfilment of the conditions approved by the Board of Directors of the Company;

- -10/11/2017, reviewed the report on the implementation of the DWP, including information on the implementation of the activities for the first half of 2017 in accordance with the DPR, as well as the interim results of the KPI DDP for the first half of 2017. The Report includes information on the implementation of activities provided for by the Directives of the Government of the Russian Federation for inclusion in the DPR:
- -10/27/2017, * approved RusHydro Group's Value Increase Plan for the period until 2021 and decided on the expediency of the Company joining the UN Global Compact.

Information on the Strategy is presented in section 1.2.1 of the Strategy of RusHydro Group.

Business-planning and investments

The Board of Directors (*date, action*):- 04/04/2017, * considered the draft of RusHydro Group consolidated investment programme for 2017 and for 2018-2022. (adjustment), and preliminarily approved the draft investment programme of PJSC RusHydro for 2018-2027 and the draft amendments to the investment programme of PJSC RusHydro for 2017-2019;

- 04/19/2017, * considered the report on the implementation of the Business Plan and the Investment Programme of the Company for 2016;
- 06/21/2017, considered and took into account the consolidated Business Plan, which includes the Consolidated Investment Programme of RusHydro Group for 2016-2020.; 12/26/2017, * approved the Business plan and the Investment programme of the Company for 2018, and considered the planned data on the investment facilities of PJSC RusHydro and sites of new construction of subsidiaries for the calculation of KPIs of members of the Management Board of PJSC RusHydro; at the same meeting, reviewed the Business Plan of the Company, including the Company's Investment Programme, for 2019-2022;
- 06/21/2017, 10/11/2017 and 12/25/2017, reviewed reports on the implementation of the Business Plan and the Investment Programme of the Company for the 1st quarter, the first half-year and the third quarter of 2017 respectively;
- Quarterly, the Board of Directors of JSC RusHydro considered issues related to the construction of four facilities in the Far East (Yakutsk GRES-2 (Phase 1), Phase 2 of Blagoveshchenskaya TPP, TPP in Sovetskaya Gavan, Sakhalinskaya GRES-2 (1st stage));
- 04/04/2017, * approved the list of investment projects being implemented and planned for implementation within the Investment Programme of PJSC RusHydro, for conducting a public technological and price audit in 2017-2018;
- 04/18/2017, approved a report on the implementation of a public technological and price audit for 2016 of projects implemented and planned for implementation under the Investment Programme of PJSC RusHydro;
- regularly discussed the implementation of certain investment projects of the Company;

Information on the results of operations and investments is presented in sections 2.1 Financial results and 2.3.1 Investment activity.

Performance, Innovation and Key Performance Management The Board of Directors (date, action):

- 04/05/2017, amended the Regulations on the procurement of products for the needs of PJSC RusHydro, related to the implementation of import substitution plans;
- 04/19/2017, * reviewed the report on the implementation of the annual comprehensive procurement programme of JSC RusHydro for 2016, as well as a report on the implementation of a set of measures (list of measures) to reduce operating costs (costs) for 2016; approved the report on the execution of the Business Plan;
- 04/19/2017, * considered the report on the execution of KPI of the Company for the 4th quarter of 2016 and 2016;
- 06/21/2017, approved KPIs, including target values and methodology for calculating and evaluating the annual key performance indicators of the Management Board members of PJSC RusHydro, the target values and methodology for calculating and evaluating the KPI for the long-term motivation programme of PJSC RusHydro for the first cycle of 2017-2021.
- 06/21/2017, approved the report on the implementation of the Innovative Development Programme of RusHydro Group for 2016-2020, with the possibility of prolonging it till2025

- 10/11/2017, approved the report on the execution of the key performance indicator "Integral KPI of innovation activity,%" of PJSC RusHydro for 2016;
- 12/25/2017, instructed the Company's management to ensure the benchmarking of the level of technological development and the values of the composite indicators of KPI of the Innovative Development Programme of RusHydro Group with the level of development and indicators of leading competitor companies;
- 12/26/2017, * approved the annual comprehensive procurement programme of PJSC RusHydro for 2018;
- 06/21/2017, 10/11/2017 and 12/25/2017, respectively, approved the reports on the implementation of the Annual Comprehensive Programme of Purchases for the 1st quarter of 2017, the 1st half-year, and the first 9 months of 2017;

Information on measures to improve operational efficiency is presented in Section 2.1 Financial Results. The information on purchases is presented in section 2.2.5. Procurement.

Information on innovations is presented in section 2.3.2 Innovative development.

Corporate governance

The Board of Directors (date, action):

- 01/18/2017, changed the membership of the Management Board;
- 02/27/2017, approved the Regulations on the Information Policy of PJSC RusHydro;
- 06/21/2017, approved amendments to the Regulations on the Audit Committee and the Nominations and Remuneration Committee under the Board of Directors, and recognised two candidates to the Board of Directors as meeting the criteria of independent directors (MS Bystrov and SN Ivanov), afterwards elected these candidates to the Board of Directors at a meeting of 12/25/2017 (recognised the afore-mentioned individual as independent directors;
- 12/25/2017, approved amendments to the Corporate Governance Code of the Company, approved the Insurance Coverage Programme of JSC RusHydro for 2018 and the report on compliance with the information policy of PJSC RusHydro.
- * The meetings were held in the form of a joint presence.

In addition to these issues, in 2017 the Board of Directors also made decisions related to the audit (recommendation to the General Meeting of Shareholders of the auditor and the approval of the auditor's remuneration), determined the position of the Company (representatives of the Company) by voting at the meetings of the management bodies of subsidiaries on a number of key issues on their agenda, approved the new version of the Anti-Corruption Policy and Internal Audit Policy of PJSC RusHydro.

Apart from that, the Board of Directors considered the Charity and Sponsorship Programme and the report regarding its execution, approved the transactions of the Company and the controlled companies. The list of issues considered by the Board of Directors in addition to those considered confidential is listed in the form of the texts of the protocols in Appendix No. 4

Committees under the Board of Directors

The Board of Directors of PJSC RusHydro has six committees⁴⁵:

- the Strategy Committee,
- the Audit Committee.
- the Investment Committee,
- the Nominations and Compensations Committee,
- the Committee on Reliability, Energy Efficiency, and Innovation,
- the Committee for Energy Development of the Far East.

The Audit Committee functions for the purpose of assisting the Board of Directors in monitoring the financial and business activities of the Company. The key functions of the Committee are to control financial reporting, the functioning of the internal control system, risk management, corporate governance, the system of notification of fraudulent actions, as well as ensuring the independence and objectivity of internal audit and external audit.

⁴⁵ Provisions on committees under the Board of Directors can be found on the Company's website http://www.rushydro.ru/corporate/committees/

1st half of 2017

Membership

Independent members of the Board of Directors: Pivovarov V.V.

Bystrov M.S.

Ivanov S.N.*

Key issues considered by the committee

- Annual report
- Annual financial statements
- Compliance with insider information requirements
- Auditor's reports for the year 2016
- Conclusion of the Company's Audit Commission
- Opinion of the Company Auditor
- Candidate for the position of the Company's Auditor
- Report on corporate social responsibility and sustainable development of RusHydro Group

- Regular reports of the Head of the Internal Audit Service of the Company
- Report on the implementation of the Action Plan for the implementation of the Comprehensive Anti-Corruption Programme of PJSC RusHydro
- Report on the functioning of the corporate internal control and management system taking into account the internal audit evaluation
- Results of evaluation of corporate governance practices

2nd half of 2017

Membership

Independent
members of the
Board of
Directors:
Pivovarov V.V.
Bystrov M.S.
Ivanov S.N.*

Key issues considered by the committee

- Report on the corporate social responsibility and sustainable development of RusHydro Group for 2016
- Results of the on-site inspection by the Ministry of Energy of Russia
- Optimisation of the functions and structure of the Company's internal audit
- The Company's Insurance Coverage Programme

- Anticorruption policy of the Company
- Report on compliance with the information policy of the Company
- The programme for ensuring and improving the quality of internal audit
- Schedule of control activities of the Internal Audit Service for 2018

The Chairman of the Audit Committee is an independent director and has sufficient experience and knowledge to implement the tasks assigned to the committee.

For information on internal audit, see section 3.3 Audit and control

The list of issues considered by the Audit Committee in 2017, in addition to those considered confidential, is given in Appendix No. 5.

Nominations and Compensations Committee functions for the purposes of developing recommendations on the formation of a professional membership of the Company's management bodies and effective and transparent practice of their remuneration. The main task of the Committee is preliminary analysis and development of recommendations to the Board of Directors on issues within the competence of the Board of Directors.

1st half of 2017

Membership

Independent
members of the
Board of
Directors:
Pivovarov V.V. *.
Bystrov M.S.
Ivanov S.N..

Key issues considered by the committee

- Election of the Company's Corporate Secretary and termination of his powers
- Typical collective agreement of the branch of PJSC RusHydro for 2017-2019.
- Regulations on the Corporate Secretary of PJSC RusHydro, a new version.
- Consideration of the

- Approval of contracts which constitute an interested party transaction
- Consideration of the progress report on the implementation of the Plan of measures (the list of measures) for the implementation of professional standards in the activities of the Company

^{*} Chairman of the Committee

consolidated Business Plan (including the consolidated Investment Programme) of RusHydro Group for 2017-2021, and approval of the Target values of the annual key performance indicators of the members of the Management Board of PJSC RusHydro for 2017 and the Target values of the key performance indicators of the long-term motivation programme of PJSC RusHydro for the first cycle for 2017-2019.

- Approval of the List of annual key performance indicators of the members of the Management Board of PJSC RusHydro for 2017, the target values of the annual key performance indicators of the members of the Management Board of PJSC RusHydro for 2017 (including the methodology for calculating and evaluating key performance indicators of the Management Board members of PJSC RusHydro).
- Approval of the Provision on the payment of remunerations and compensations to members of the Board of Directors of the Company, a new version ".
- Compliance of candidates of the Board of Directors of PJSC RusHydro with independence criteria.
- Determination of the number of members of the Management Board of PJSC RusHydro

2nd half of 2017

Membership

Independent members of the Board of

Pivovarov V.V. *. Bystrov M.S.

Directors: Ivanov S.N..

Key issues considered by the committee

Election of the Corporate Secretary

Progress in the implementation of the Plan of a set of measures to introduce professional standards in the activities of the Company

- Report of the Committee
- Election of the Company's senior independent director
- KPI of the members of the Management Board for 2017
- Typical collective agreement of the branch for 2017-2019.

The Chairman of the Nominations and Remuneration Committee is an independent director and has sufficient experience and knowledge to implement the tasks assigned to the committee.

Information on remuneration to management bodies, control bodies, and the auditor is provided in section 3.4

The list of issues considered in 2017 by the Nominations and Remuneration Committee, in addition to those recognised as confidential, is given in Appendix No. 5.

The Strategy Committee functions to ensure effective work of the Board of Directors on strategic development issues of RusHydro Group.

1st half of 2017

Membership

Key issues considered by the committee

Members of the Board

Directors:

Grachev P.S.

Podguzov N.R.

Rogalev N.D.

Shishin S.V.

Shishkin A.N.

Shulginov N.G.

Members of the Executive Bodies:

Rizhinashvili D.I

- Taishet Aluminum Plant Construction Project.
- Amendments to the Longterm Development Programme of RusHydro Group.
- Report of the Committee

^{*} Chairman of the Committee

Members of the Committee:

Zadvornov IA *

Mamin V.V.

Nikonov V.V.

Olkhovich E.A.

Rusakov M.V.

Snikkars P.N.

2nd half of 2017

Membership

Members of the Board of

Directors:

Grachev P.S.

Pivovarov V.V.

Shishin S.V.

Shulginov N.G.

Members of the Executive Bodies:

Rizhinashvili D.I

Members of the Committee:

Bogashov AE

Gabov A.V.

Zadvornov IA *

Livshits B.A.

Rogalev N.D.

Nikonov V.V.

Snikkars PN

Stolyarov E.M.

Key issues considered by the committee

- Approval of RusHydro Group's Value Increase Plan for the period up to 2021
- Progress in the implementation of the Long-term Development Programme of RusHydro Group for the first half of 2017
- Status of execution of individual orders of the President of the Russian Federation and the Government of the Russian Federation on refinancing loan debts of the group of JSC RAO ES of the East
- Joining the Society to the UN Global Compact and preparing to join the Association "National Network of the Global Compact"
- On acquisition by the Company of additional ordinary shares of JSC "Holding Company of BoHPP"
- Report of the Committee

Detailed information about the Strategy is given in section 1.2. RusHydro Group Strategy Information on the members of the Strategy Committee and the list of issues considered by the Committee in 2017, in addition to those recognised as confidential, are listed in Appendix No. 5.

The Committee on Investments functions for the purpose of preliminary consideration of new investment projects and investment programmes, as well as the improvement and development of the Company's investment policy.

1st half of 2017

Membership

Independent members of the Board of

Directors:

Bystrov MS *

Pivovarov V.V.

Members of the Board of Directors:

Avetisyan A.D.

Chekunkov A.O.

Rogalev N.D.

Members of the Executive Bodies:

Kirov S.A.

Rizhinashvili DI

Members of the Committee:

Domnich V.A.

Zhuravlev SI

Key issues considered by the committee

- Approval of the Company's business plan for 2017-2021, including the investment programme of PJSC RusHydro for 2017, an action plan for optimising costs based on the results of an external independent audit of the costs of PJSC RusHydro. Regulation on the business planning system
- Implementation of the Company's Business Plan for 2016 (including reports on the implementation of the Investment Programme (including the Programme for the comprehensive modernisation of generating facilities), the Annual Comprehensive Programme of Purchases

^{*} Chairman of the Committee

Milyutin D.V. Podgorny A.Yu. Skulkin V.S. Tikhonova M.G. Khmarin V.V.

for 2016, and the Progress Report on the implementation of the package of measures to reduce operating expenses for 2016

- Implementation of KPI for PJSC RusHydro for Q2 2016, Q3 2016, Q4 2016 and 2016
- Report of the Committee

2nd half of 2017

Membership

Independent members of the Board of

Directors: Bystrov MS * Pivovarov V.V. Ivanov SN

Members of the Board of Directors:

Chekunkov A.O. Rogalev N.D.

Members of the Executive Bodies:

Kazachenkov A.V.

Kirov S.A.

Members of the Committee:

Zhuravlev SI Milyutin D.V. Gabov A.V. Snikkars P. Khmarin V.V.

* Chairman of the Committee

- Investment programme of PJSC "RusHydro" for 2017
- Approval of the adjusted business plan for 2018-2022,
- Investment programme of PJSC "RusHydro" for 2018
- Report of the Committee

For detailed information on investments, see section 2.3. Investment activity

Information on the members of the Investments Committee and the list of issues considered by the Committee in 2016 are listed in Appendix No. 5.

The Committee for Reliability, Energy Efficiency and Innovation functions to ensure the efficient work of the Board of Directors on issues of the Company's technical policy, the reliable and safe operation of the Company's hydrotechnical facilities, energy conservation policies, innovation policy, environmental policy and other issues within the competence of the Committee.

Membership in 1st half

Members of the Board of

Directors: Rogalev ND * Chekunkov A.O. Shishkin A.N. Kravchenko V.M.

Members of the Executive

the

Bodies: Bogush B.B. Rizhinashvili DI Members Committee: Vikhansky A.E.

Vishnevsky Yu.M. Frolov K.E. Karpukhin N.I. Fedorov M.P. Gromov R.E.

Tolstoguzov SN

Membership in 2nd half year

Members of the Board of Directors:

Rogalev ND * Chekunkov A.O. Kravchenko V.M. Members of the **Executive Bodies:** Bogush B.B.

Rizhinashvili DI Members

Committee: Belchenko E.V. Tolstoguzov SN Vishnevsky Yu.M. Frolov K.E.

Karpukhin N.I. Fedorov M.P. Gromov R.E.

Key issues considered by the committee

- **Innovative Development** Programme of RusHydro Group for 2016-2020, with the possibility of prolonging it till 2025.
- Improving the quality of preparation and implementation of the Innovative Development Programme of RusHydro Group for 2016-2020, with the possibility of prolonging it till 2025.
- Measures to improve reliability; conducted at power facilities of RusHydro Group
- Report of the Committee

Key issues

*Chairman of the Committee

Information on innovation activities is given in section 2.3.2 Innovation Development Information on the members of the Committee on Reliability, Energy Efficiency, and Innovation and a list of issues considered by the Committee in 2017 are given in Appendix No. 5.

The Committee for the Development of Energy in the Far East is working to ensure the effective work of the Board of Directors in the development of the power industry of the Far Eastern Federal District in the area of responsibility of the Company and its controlled companies.

2017 year

Membership in 1st half year Members of the Board of Directors: Trutnev Yu.P. * Chekunkov A.O. Grachev P.S. Kravchenko V.M. Members of the Executive Bodies: Kazachenkov A.V. Tolstoguzov S.N. Members of the Committee: Zadvornov IA Kachaev S.V. Molsky A.V. Nikonov VV Olkhovich E.A.	Membership in 2nd half year Members of the Board of Directors: Trutnev Yu.P. * Chekunkov A.O. Grachev P.S. Kravchenko V.M. Members of the Executive Bodies: Kazachenkov A.V. Tolstoguzov S.N. Members of the Committee: Zadvornov IA Kachaev S.V. Konstantinov DS Molsky A.V. Pilenyks D.V.	Key issues considered by the committee RES programme in the Far East Status of construction of priority projects in the Far East Debt financing of the Subgroup of RAO ES of the East
Pilenyks D.V.	Tupikin V.V.	
Tupikin V.V.		

Information on the members of the Committee for the Development of Energy in the Far East and the list of issues considered by the Committee in 2016 are listed in Appendix No. 5.

Corporate Secretary

* Chairman of the Committee

Name, Middle name, Surname: Natalya Gennadievna Kovaleva Was born in 1972.

In 1996 she graduated from the Irkutsk State University, majoring in Law, qualification - a lawyer.

By the decision of the Board of Directors dated 11/11/2016 she was appointed Corporate Secretary of the Company (Minutes No. 243 of November 14, 2016).

Currently, she holds the position of deputy director of the Corporate Governance and Assets Management Department, a corporate secretary whose main duties include participation in organising the preparation and holding of General Meetings of Shareholders and ensuring the work of the Board of Directors and its Committees, as well as ensuring the interaction of the Company with its shareholders and participation in the prevention of corporate conflicts.

Also, as of December 31, 2017, she was a member of the Board of Directors in the following companies:

- Blagoveshchenskaya CHPP JSC;
- CJSC Boguchansky Aluminum Plant;
- PJSC FEEC:
- JSC Malaya Dmitrovka;
- OJSC Sakhalin Municipal Company;
- LLC SNRG;

- Chuvash Power Sales Company JSC.

Until 2016, she held the position of advisor to the first deputy general director of the Company.

From 2010 to 2015 she worked as the Director of the Corporate Management Department of PJSC MOESK. Natalya Gennadievna Kovaleva has no shares in the Company (including indirectly). In the reporting year, no transactions were made with the shares of the Company.

The Company and the Group companies did not issue loans to Kovalyova N.G. In 2017 there was no conflict of interest.

3.2.3 Executive bodies - Management Board and Chairman of the Management Board - General Director

The executive bodies carry out the current management of the Company's activities.

The competence of the Management Board and the Chairman of the Management Board - the Director General - is defined in Articles 18 and 19 of the Company's Charter, respectively. The competence of the executive bodies includes issues that are not within the competence of the General Meeting of Shareholders of the Company and the Board of Directors.

The number of members of the Management Board is determined by separate decisions of the Board of Directors. In 2017, the Board consisted of 6 people, including the Chairman of the Management Board, the Company CEO.

Management Board membership as of 31.12.2017 **

	Nicholai Shulginov - Chairman of the Management Board, CEO	Boris Bogush - First Deputy General Director - Chief Engineer	Andrey Kazachenkov - First Deputy General Director	Sergey Kirov - First Deputy General Director	Markin Vladimir - First Deputy General Director	George Rizhinashvili - First Deputy General Director
Supervis ed blocks		Block of production activities	Block of financial and corporate governance	Sales, economic planning and investments block	Administrative support block	Block of strategy and innovations
b.y.	1951	1952	1980	1976	1956	1981
Education	Sergo Ordzhonikidze Labour Polytechnic Institute of Novocherkassk. (Power Supply of Industrial Companies and Municipalities)	Saratov Polytechnic Institute (Mechanical Engineering) Academy of National Economy of the Government of the Russian Federation (Corporate Management Development)	St. Petersburg State University of Engineering and Economics (Economics and Management at Engineering Enterprises, Management); University of Wisconsin, Madison, USA (MBA)	Pryanishnikova State Agricultural Academy of Perm(Economics and Management of Agricultural Production) Regional Interdisciplinary Retraining Centre at Perm Technical University (Economics and Management)	Moscow State University, (Journalism); The Institute of Economics and Culture (Law)	Moscow State University(PhD in Economics)

Work experience for the last 5 years: 2015 present time. Chairman

2015 - present time - Chairman of the Management Board -General Director 2016 - present time - Member of the Management Board of the RSPP

2015-2004 - Deputy Chairman, First Deputy Chairman of the Management Board of JSC SO UES

Information on positions held in management bodies as of December 31, 2017 *:

- Member of the Board of Directors Global Sustainable Energy Partnership (Global Energy Partnership)
- Member of the Board of Trustees of the Siberian Federal University
- Member of the Board of Directors of PJSC "Rosseti"
- Member of the Supervisory Board of NP "Hydropower of Russia" and Association of NP "Market Council for the Organisation of an Effective System for Wholesale and Retail Trade in Electric Energy and Power"
- Member of the Board of Trustees of the State Educational Establishment of Higher Professional Education in the NIU MPEI
 - Member of the Supervisory Board of NP "Scientific and Technical Council of the Unified Energy System"

Work experience for the last 5 years:

2009 - present time -Managing Director. Head of the Business Unit "Production", Member of the Management Board, First Deputy General Director of JSC RusHvdro -Chief Engineer

Information on the positions held in management bodies as of December 31, 2017

- Member of the Supervisory Board of NP "Hydropower of Russia" - Member of the Board of Trustees of the Nonprofit Foundation "Soprichastnost"

Work experience for the last 5 years:

2015 - present time -Member of the Management Board First Deputy General Director of PJSC RusHydro; 2015 - Adviser to the Chairman of the Management Board -General Director of PJSC RusHvdro: 2015-2009 Advisor to the Chairman of the Board: Deputy Chairman of the Management Board, First Deputy Chairman of the Management Board of PJSC "FGC UES"

Information on the positions held in management bodies as of December 31, 2017 *:

- Member of the Board of Directors of JSC "RAO ES of the East" (Chairman)

Work experience for the last 5 years: 2010 - present time -

Director for Economics, Deputy General Director for Economics, Investments and Purchasing, Member of the Management Board, First Deputy General Director of PJSC RusHydro 2014-2010 -General of Director 000 RusHydro IT Service

Work experience for the last 5 years:

2016 - present time -Member of the Management Board. First Deputy General Director of PJSC RusHydro, Chairman of the Committee on Safety and Work with the fans of the Russian Football Union 2016-2011 - Head of the Department for Interaction with the Media of the Investigative Committee of the Russian Federation

Work experience for the last 5 years:

2009 - present time Member of the
Management Board,
First Deputy General
Director of PJSC
RusHydro

2016 - present time Chairman of the Board
of the Foundation for the
Development of the
Faculty of Economics of
Moscow State
University

Information on the positions held in management bodies as of December 31, 2017

- Member of the Board of Trustees of the Faculty of Economics, Moscow State University- Member of the Board of Trustees of the Non-profit Foundation "Soprichastnost"

Membersh ip on the Manageme nt Board	Since 2015	Since 2010	Since 2016	Since 2015	Since 2017	Since 2009
Shareholding	Does not own company shares Did not purchase or sell company shares in the reporting period	Share of the Issuer's ordinary shares owned – 0.004241 % Did not purchase or sell company shares in the reporting period	Does not own company shares Did not purchase or sell company shares in the reporting period	Does not own company shares Did not purchase or sell company shares in the reporting period	Does not own company shares Did not purchase or sell company shares in the reporting period	Share of the Issuer's ordinary shares owned – 0.014193 %
Availability of loans from the Company and the Group companies	No	No	No	No	No	No
Membership in committees in BD	Strategy Committee	Reliability Committee, Energy Efficiency and Innovation	Committee for the Development of Energy in the Far East, Investment Committee	Investment Committee	-	Reliability Committee, Energy Efficiency and Innovation, Strategy Committee

^{*} Information on the positions held in the management bodies of other organisations for the last 5 years is given in section 5.2.2 of the quarterly report of the Company for the 4th quarter of 2017, which is published at http://www.rushydro.ru/upload/iblock/d01/1-EZhO-4-kv.17.pdf

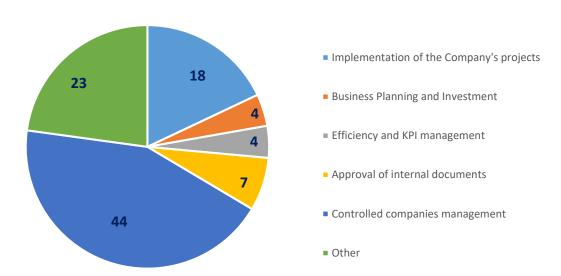
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^{**} In the reporting year, no decisions were made on the early termination of the powers of persons who are members of the Management Board of the Company. The term of office of Shulginov Nikolai Grigorievich in accordance with the labour contract is till September 14, 2020, while the remaining members of the Management Board of PJSC RusHydro are employed on long-term contracts. No conflict of interests among members of the executive bodies of PJSC RusHydro in the reporting year was reported.

Report on the activities of the Management Board

In 2017, 64 meetings of the Board were held (12 of them were in person), at which 495 issues related to the Company's current activities were considered. Also, all issues submitted for consideration by the Board of Directors were preliminarily discussed.

Within the framework of control over the activities of the executive bodies, the Board of Directors regularly reviews the Board's reports on the execution of the Company's business plan, as well as on the implementation of key investment projects of RusHydro Group. In addition, the Board of Directors determines the target values of annual KPIs of members of the Management Board of JSC RusHydro, approves reports on the performance of KPIs by members of the Company's Management Board. In addition, the Board of Directors reviews the Board's reports on the execution of certain assignments of the Board of Directors.



Issues considered by the Management Board of PJSC RusHydro in 2017, %

3.3 Audit and Control

PJSC RusHydro has a system for monitoring financial and business activities, which consists of local regulatory documents, current practices, procedures and methodology, and key stakeholders:

- Audit Committee
- External Auditor
- Audit Committee under the Board of Directors
- Internal Audit Service

The main principles, goals, tasks, methods, and processes of the control system are defined in the documents approved by the General Meeting of Shareholders and the Board of Directors of PJSC RusHydro:

- Regulations on the Audit Commission (http://www.rushydro.ru/upload/iblock/389/03Polozhenie-o-RK.pdf).
- Code of Corporate Governance (http://www.rushydro.ru/upload/iblock/65d/Kodeks-korporativnogo-upravleniya-RusGidro.pdf),
- Internal Control and Risk Management Policy (http://www.rushydro.ru/upload/iblock/c9c/Politika-VKiUR-PJSC-RusGidro 16.11.2015 utv.pdf),
- Internal Audit Policy (http://www.rushydro.ru/upload/iblock/993/Politika-v-oblasti-vnutrennego-audita.pdf),
- Regulations on the Audit Committee (<u>http://www.rushydro.ru/upload/iblock/20b/Prilozhenie-15.-Polozhenie-o-KA.pdf</u>),
- Code of Corporate Ethics (http://www.rushydro.ru/upload/iblock/527/Prilozhenie-7.-Kodeks-korporativnoj-etiki.pdf),

• Anticorruption Policy (http://www.rushydro.ru/upload/iblock/ac6/Prilozhenie-5.- Antikorruptsionnaya-politika-nov.red.pdf).

The Audit Commission of the Company is accountable to the General Meeting of Shareholders. The opinion of the Audit Commission is the subject of consideration of the Audit Committee. The opinion of the Audit Commission on the results of the audit of the Annual Report is a mandatory document submitted to the General Meeting of Shareholders.

The Auditor's report is subject to reviewing by the Audit Committee and the Audit Commission. The Audit Committee considers the auditor's plan for the annual audit of the Group.

The Audit Committee carries out functional management of the Internal Audit Service, including approving the annual schedule of control activities and quarterly reports on its performance.

3.3.1 Internal Audit Committee

The number of members of the Audit Committee is five.

Internal Audit Committee members

	1		mmittee members		
	Natalia Annikova - member of the Audit Committee	Igor Repin - Chairman of the Audit Committee	Tatyana Zobkova	Marina Kostina	Dmitry Simochkin
	for the period of 2016	1000	1076	1000	1002
Main position held y.	First Deputy General Director of JSC "Construction Management No. 308"	Deputy Executive Director of the Non-Profit Organisation "Investor Protection Association"	Deputy Executive Director of the Non-Profit Organisation "Investor Protection Association"	Deputy Director of the Department of Corporate Governance of the Ministry of Economic Development of the Russian Federation	1992 1st degree specialist, chief specialist-expert, advisor, deputy head of the department
Nominated by	(2017): Russian Federation	(2017): Russian Federation	(2017) Russian Federation	(2017) Russian Federation	(2017) Russian Federation
Ownership of the Company's shares	no	no	no	no	no

In 2017, the Audit Committee conducted an audit of the financial and economic activities of JSC RusHydro based on the results of its activities for 2016⁴⁶. Conclusions of the Commission on the results of the audit were presented to the annual General Meeting of Shareholders on June 26, 2017. The audit confirmed that the data contained in the Company's reports and financial documents were reliable, the accounting standards were adhered to and the financial statements were provided in compliance with the requirements of the current legislation and internal regulations, the financial and economic activities were conducted in compliance with the interests of the Company and its shareholders.

3.3.2 External Auditor

PJSC RusHydro annually conducts an independent external audit of financial (accounting) reports according to Russian and international standards. Selection of an external auditor who independently reviewed the accounting (financial) statements of PJSC RusHydro under RAS and IFRS for 2015-2017, was conducted in the manner of an open tender.

⁴⁶ The conclusion of the Internal Audit Committee of JSC RusHydro based on the results of the audit of financial and economic activities for 2017 is presented in Appendix No. 19 to this annual report.

Competitive selection of the Auditor of PJSC RusHydro was carried out on the basis of the Federal Law of 05.04.2013 44-FL "On the contract system in the procurement of goods, works, services for the provision of state and municipal needs" (the date of procurements - February 27, 2015, the date of final decision - 08.04.2015). The tender documentation was approved by the Federal Agency for State Property Management (Rosimushchestvo). Following the results of the competitive procedures, JSC PwC Audit was declared the winner.

JSC PwC Audit is a member of the self-regulatory organisation of auditors - Non-Profit Partnership "Audit Chamber of Russia" (NP ACR).

In 2017, JSC PwC Audit conducted an independent audit of the Company's accounting (financial) statements for 2016 in accordance with the Russian Accounting Standards, and JSC PwC Audit prepared Pthe consolidated financial statements for 2016 in accordance with the International Financial Reporting Standards. In addition, JSC PwC Audit conducted a review of the consolidated interim financial statements of the issuer for the six months ending on June 30, 2017, and the nine months ending on September 30, 2017.

In 2018 JSC PwC Audit conducted the independent audit of the accounting (financial) statements of the Company for 2017 in accordance with the Russian Accounting Standards, and JSC PwC Audit compiled the consolidated financial statements for 2017in accordance with International Financial Reporting Standards.

In 2017, the Audit Committee considered a number of issues related to the work of the external auditor, including the analysis of the Company's accounts and the evaluation of the results of the external audit of the Company's accounts for compliance with the legislation of the Russian Federation, International Financial Reporting Standards, accounting, and other regulatory legal acts and standards

3.3.3 Internal Audit Service

The main objective of the activity of the Internal Audit Service of PJSC RusHydro is to assist the Board of Directors and the executive bodies of RusHydro Group in improving the management of the Group, improving its operations, including through a systematic and consistent approach to the analysis and evaluation of the risk management system, internal control, and corporate governance. The number of members of the Service is five.

The Internal Audit Service is a separate structural unit of PJSC RusHydro, which is subordinate to the Board of Directors (the Audit and Administrative Subordination Committee) to the General Director, the Chairman of the Management Board of PJSC RusHydro. The head of the Internal Audit Service was approved by the decision of the Board of Directors of PJSC RusHydro.

The tasks and functions of the Internal Audit Service include:

- organisation and conduct of internal audits of the Company and Subsidiaries, processes and activities;
- assessment of the effectiveness of the internal control system, the risk management system, corporate governance of the Company and Subsidiaries;
- organisation of methodological support and control over the activities of the Company's representatives in the Audit Commissions Subsidiaries;
- interaction with the Audit Committee.

General principles and approaches to the Company's internal audit system are fixed in the Internal Audit Policy approved by the Board of Directors of PJSC RusHydro. The policy takes into account the requirements of the Corporate Governance Code of PJSC RusHydro, the Methodological Recommendations and Guidelines of the Federal Property Management Agency, and is aimed, among other things, at increasing the compliance of the Internal Audit Service of PJSC RusHydro to the International Professional Standards of Internal Audit.

In 2017, the Board of Directors reviewed the report on the effectiveness of the internal control and risk management system, corporate governance, taking into account the assessment conducted by the Internal Audit Service and the recommendations for its improvement.

The priorities of the Company's internal audit in accordance with the objectives of RusHydro Group, taking into account the available resources, as well as the risk-oriented approach to planning of control activities, are determined by the Monitoring Action Plan, which is approved annually by the Audit Committee.

In the course of 2017, 14 planned monitoring activities were carried out, and 6 unscheduled inspections and official investigations were conducted / attended, during which audit evidence was collected and analysed to assess the effectiveness of the internal control, risk management, and corporate governance system, including:

- checks of branches and subsidiaries engaged in the construction, operation, and repair of generation facilities;
- thematic audits aimed at identifying opportunities to improve the Company's business processes and the activities of key controlled companies;
- evaluation of the internal control and risk management system of RusHydro Group;
- evaluation of the corporate governance system.

Based on the results of the control activities, the Company's management and the controlled companies develop and implement corrective actions aimed at following the remarks, increasing the efficiency of the internal control system, preventing the repetition of violations, applying disciplinary measures to persons who committed violations. Internal auditors carry out follow-up control of corrective actions.

Evaluation by the Audit Committee of the effectiveness of the internal audit process

On a quarterly basis, the Audit Committee reviews the report of the Head of the Internal Audit Service on the implementation of the Monitoring Schedule Plan, which contains a brief description of the identified material violations, remarks and shortcomings in the activities of the Company and its controlled companies, including information on significant risks, control and corporate governance issues, and recommendations on their elimination, increase of efficiency of internal control system.

Based on the results of the evaluation (feedback) in 2017, the high efficiency of the internal audit work was identified in terms of identifying shortcomings, the elimination of which would reduce / eliminate the impact of negative factors on the efficiency of the Company and the controlled companies.

In the reporting year, the Methodology for evaluating the effectiveness of the internal control and risk management system by the Internal Audit Service was approved. The Company also approved the Programme for ensuring and improving the quality of the Company's internal audit, designed to ensure proper control and evaluation of the internal audit activity, as well as to identify areas for its improvement.

The programme defines the goals, directions, approaches and procedures for the continuous (ongoing) and cyclical monitoring of the quality of internal audit activities. The implementation of the programme includes:

- conducting ongoing (continuous) monitoring of internal audit activities,
- conducting annual internal assessments of internal audit activities (self-assessments),
- regular external evaluation of internal audit activities (every 5 years),
- informing about the results of the evaluation,
- development / update of the plan of measures for the development and improvement of internal audit activities.

3.4 Report on the remuneration of management bodies, supervisory bodies, and the auditor

3.4.1 Remuneration of the Board of Directors

In 2017, remuneration was paid to the Board of Directors elected on June 27, 2016, for work in the Board of Directors from June 27, 2016 to June 26, 2017.

The calculation of the remuneration was made in accordance with the Regulation on the payment of remuneration and compensation to members of the Board of Directors of PJSC RusHydro, approved by the Annual General Meeting of Shareholders on June 27, 2016 (Minutes No. 15 of June 29, 2016). Basic calculation parameters:

- the basic part of the remuneration of each member of the Board of Directors is 900,000 rubles;
- the amount of remuneration depends on the number of meetings in which a member of the Board of Directors participated;
- remuneration is not paid if a member of the Board of Directors of the Company did not participate in more than 25 (twenty five) % of the meetings held (from the moment of his election until the election of the Board of Directors of the Company in a new membership);
- the amount of remuneration is increased if the member of the Board of Directors is:
 - Chairman of the Board of Directors (by 30%),
 - Chairman of the Committee of the Board of Directors (by 20%),
 - Senior Independent Director (15%);
 - a member of the Committee of the Board of Directors (by 10%);

- remuneration to the Chairman and members of the Board of Directors of the Company who are (during the full or partial term of office of a member of the Board of Directors) individuals for whom the legislation of the Russian Federation stipulates a restriction or prohibition on receiving any payments from commercial organisations, is not accrued or paid;
- remuneration is not paid to members of the Board of Directors who are or have been members of the executive bodies of the Company.

The Company does not pay compensation to members of the Board of Directors other than those related to travel and residence for participation in the meeting, including the Company does not pay remuneration to members of the Board of Directors due to a change of control or early termination of powers.

Remuneration and allowances are paid by the Company in cash (Russian rubles) within 60 (sixty) days after the annual General Meeting of Shareholders of the Company at which the decision to elect a new Board of Directors of the Company was made.

The decision on the payment of remuneration to the members of the Board of Directors was adopted by the annual General Meeting of Shareholders on June 27, 2017. The decision on the payment of remuneration to members of the Board of Directors was previously reviewed and recommended by the Personnel and Remuneration Committee (Minutes No. 63 of May 22, 2017).

Remuneration of the Board of Directors, rub.

Remain	,			
	2015	2016	2017	
Remuneration for participation in the work of	7,861,990.94	5,561,538.45	7,472,307.70	
the management body				
Salary	0	0	0	
Variable component (premium)	0	0	0	
Commission (remuneration)	0	0	0	
Compensation for expenses	0	0	0	
Other types of remuneration	0	0	0	
TOTAL:	7,861,990.94	5,561,538.45	7,472,307.70	
Costs associated with the performance of the functions of a management member, reimbursed by the Company	336,214.43	52,510.00	0	

This remuneration methodology was not revised from 2010 to 2016.

In 2016 the Company attracted the world-wide renowned consultant Ernst & Young (CIS) BV (the Moscow branch), which conducted a survey of the practice of remuneration to board members of large Russian companies with comparable business size. Based on the results of the analysis, a new method for calculating the remuneration of members of the Board of Directors of the Company was developed, according to which the basic part of the remuneration of each member of the Board of Directors is set at 3.51 million rubles, which corresponds to the average market level of remuneration. This approach will allow retaining and attracting professionals to the Board of Directors of the Company.

The General Meeting of Shareholders of PJSC RusHydro (Minutes No. 16 dated June 27, 2017) approved a new Regulation on the payment of remuneration and compensation to members of the Board of Directors of PJSC RusHydro (http://www.rushydro.ru/upload/iblock/3dc/2.6.-Pr-6.-Polozhenie-o-voznagrazhdenii-chlenov-SD-2017-novaya-redaktsiya.pdf). In accordance with this, the basic part of the remuneration of each member of the Board of Directors amounted to 3.51 million rubles.

3.4.2 Remuneration of the Management Board

Remunerations to members of the Management Board, including the Chairman of the Management Board, the General Director, were paid in 2017 in accordance with the terms of employment contracts and the Regulations on Remuneration and Compensation to the members of the Management Board of PJSC RusHydro approved by the decision of the Board of Directors of the Company on 11.11.2016 (Minutes No. 14.11.2016 No. 243). In 2016 the Company attracted the world-wide renowned consultant Ernst & Young (CIS) BV (the Moscow branch), which conducted a survey of the practice of remuneration of top managers of large Russian companies

with comparable business size. Based on the results of the analysis, the procedure for calculating the remuneration of members of the Management Board of the Company was substantially revised.

Since January 1, 2017 the remuneration model was fully linked with the implementation of short-term and long-term KPI of the Company, approved by the Board of Directors of the Company on the recommendation of the Nominations and Remuneration Committee under the Company's Board of Directors. The motivation system is based on the following principles: transparency, balance (observing the balance of interests of the shareholders of the Company, and the interest of management in achieving the Company's objectives in the long-term and short-term), objectivity (the amount of remuneration directly depends on the results of the Company's activities and the implementation of significant projects).

The current model of remuneration provides for a long-term motivation programme for the Management Board with reference to the growth of the value of shares and the fulfilment of key performance indicators of the Programme established by the Board of Directors of the Company. The programme is designed to more closely link the interests of the management and shareholders of the Company in the steady growth of the Company's capitalisation and business development. The main objectives and principles of the Programme: motivation of the Company's management for the implementation of strategic tasks and openness to shareholders, remuneration is determined taking into account the level of achievement of KPI of the Programme, a single mechanism for calculating remuneration and equal conditions for obtaining compensation.

The amount and terms of compensation to the members of the Management Board in connection with the early termination of the contract are determined by a document approved by the Board of Directors regulating the payment of remuneration and compensation to the members of the Management Board of PJSC RusHydro. "Golden schemes" for the early termination of a contract in the Company are not provided. The maximum amount of compensation paid in case of an early dismissal of a member of the Management Board is limited in accordance with the legislation of the Russian Federation by a threefold average monthly salary of a member of the Management Board.

For more details on the KPIs established by the Board and their execution, see section 1.2.3. Key performance indicators.

Information on remuneration to the members of the Management Board, including the Chairman of the Management Board, the General Director, is disclosed on the corporate website of the Company as part of the issuer's quarterly reports (http://www.rushydro.ru/investors/disclosure/greports/).

Remuneration of the Management Board, rub.

	2015	2016	2017
Remuneration for participation in the work of the management body	0	0	0
Salary	97,827,885.72	71,655,251.40	185,393,109.80
Variable component (premium)	625,844,823.00	153,917,203.00	344,617,982.00
Commission (remuneration)	0	0	0
Compensation for expenses	0	0	0
Other types of remuneration	0	0	0
Total:	723,672,708.72	225,572,454.40	530,011,091.80
Costs associated with the performance of the functions of a management member, reimbursed by the Company	7,788,019.40	6,993,854.30	1,697,447.58

3.4.3 Remuneration of the Audit Commission

Payment of remunerations to members of the Audit Commission in 2017 was made in accordance with the Regulations on Remuneration and Compensation to the members of the Audit Commission of PJSC RusHydro approved by the Annual General Meeting of Shareholders (Minutes No. 15 of 06/29/2016), according to which the basic remuneration to a member of the Audit Commission is set at the amount of 15% of the average annual remuneration of a member of the Board of Directors. The basic remuneration is adjusted with the coefficient of personal participation of a member of the Audit Commission in meetings and a coefficient that takes into account the work placement as Chairman and Secretary of the Audit Commission. This Regulation

applies to members of the Audit Commission who are not individuals for whom the legislation of the Russian Federation provides for a restriction or prohibition on receiving any payments from commercial organisations. On June 26, 2017, the Annual General Meeting of Shareholders of PJSC RusHydro (Minutes No. 16 dated June 27, 2017) decided to pay compensation to the members of the Company's Audit Commission for the period from June 27, 2016, to June 26, 2017, in the amount, procedure, and terms determined by the Regulations on Remuneration and Compensation to the members of the Audit Commission of PJSC RusHydro approved by the decision of the annual General Meeting of Shareholders of the Company of 29.06.2016 № 15).

Remuneration of the Audit Commission, rub.

	2015	2016	2017
Remuneration for participation in the work of the body	342,200.0	629,475.0	530,514.00
supervising the financial and economic activities of the			
issuer			
Total	342,200.0	629,475.0	530,514.00
Expenses related to the performance of the functions of			0
members of the bodies controlling the issuer's financial	0	0	
and business operations, reimbursed by the Company			

June 27, 2017, the General Meeting of Shareholders of PJSC RusHydro (Minutes No. 16 of June 27, 2017) approved a new Regulation on payment of remuneration and compensation to members of the Audit Commission of PJSC RusHydro, according to which clarifications were made in the methodology for calculating the remuneration of members of the Audit Commission.

3.4.4 Remuneration of the auditor

Remuneration of the auditor *, rub.

Audited fiscal year	2015	2016	2017
Audit of annual accounting (financial) reporting under RAS and Consolidated IFRS reporting, including a review of the consolidated financial statements for 6 months.		119,999,805	136,055,180
Remuneration for non-audit services	no	no	no

^{*} The auditor's remuneration for 2017 includes also the cost of a review of the consolidated financial statements for 9 months.

Remuneration of the auditor is determined by the decision of the Board of Directors of the Company taking into account the results of the competitive procedures and after preliminary consideration by the Audit Committee.

3.5 Business Ethics and Anti-corruption

3.5.1 Control over Major and Interested Party Transactions

In PJSC RusHydro, there is a system of internal control over transactions. The adopted Regulations about contractual work in PJSC RusHydro regulate the unified procedure for approving, signing, and executing contracts concluded on behalf of PJSC RusHydro. Draft contracts are subject to corporate review in order to comply with Russian law while its signing.

In 2017, JSC RusHydro concluded interested-party transactions, the list of which, including the subject of transactions, the interested parties, and information on their approval, is given in Appendix No. 2 to the Annual Report. All transactions were approved by the Board of Directors or the General Meeting of Shareholders; thus, there was no conflict of interest in the performance of these transactions.

3.5.2 Preventing the use of Insider Information

PJSC RusHydro has a Regulation on insider information aimed at complying with the requirements of the Russian legislation in the field of countering the misuse of insider information and market manipulation. The Regulation takes into account international corporate governance practices, including the requirements of the Financial Services Authority's Disclosure and Transparency Rules (The Financial Conduct Authority).

The Regulation establishes the categories of individuals that PJSC RusHydro includes in the list of insiders, the access procedure and the rules for protecting the confidentiality of insider information, as well as restrictions on the use of information by insiders to conduct transactions with the Company's financial instruments and to transfer information about it to other persons.

The list of insider information is compiled in Russian and English and is published on the corporate site (www.rushydro.ru and www.eng.rushydro.ru). The Company publishes information related to the insider in Russian in the news bulletin of the authorized news agency Interfax (www.e-disclosure.ru), in English - in the RNS news line (http://www.londonstockexchange.com/exchange/news/market-news/market-news-home.html).

The control over compliance with the requirements of the legislation on insider information is the responsibility of the member of the Management Board, First CEO's Deputy - A.V. Kazachenkov, who, based on the results of each quarter, provides a report to the Audit Committee. The Audit Committee includes in its annual report information on the Company's performance of the data required.

3.5.3 Anti-Corruption Efforts

The anti-corruption system of RusHydro Group is built in accordance with the regulatory documents (acts) of the Russian Federation in order to implement in RusHydro Group the state policy on combating corruption, minimising corruption risks, ensuring open and fair business in order to improve the corporate culture, follow the best corporate practices management and maintenance of business reputation at a high level.

In order to increase the effectiveness of countering corruption, JSC RusHydro has approved a comprehensive programme of anti-corruption activities for 2016-2019, which defines the main areas of anti-corruption activity.

Within the framework of the Programme, the Company annually carries out activities aimed at reducing corruption risks in the Company, ensuring compliance of the Company's activities with the requirements of Russian and international anti-corruption legislation.

In the reporting year, a number of local regulatory documents were developed and updated. Instead of the Anti-Corruption Policy of PJSC RusHydro, approved by the decision of the Board of Directors of 04/07/2016 (Minutes No. 235 of 04/08/2016) and the Policy on Conflict of Interest Management of PJSC RusHydro approved by the Board of Directors on 07.04.2016 (Minutes dated 08.04.2016 No. 235) was formed a unified Anti-Corruption Policy of PJSC RusHydro in new wording (Minutes No. 263 of the Board of Directors of December 28, 2017), which defines the main principles, requirements, and directions of activities to prevent corruption and ensure compliance with the anti-corruption lawmaker of the Russian Federation and include provisions for the settlement of conflicts of interest, as one of the anti-corruption measures.

In the reporting year, the Rules for the operation of the "Line of Trust" of RusHydro Group were amended in a new version (Order No. 898 of December 21, 2017) establishing a unified approach to receive, review, and record calls to the Trust Line in RusHydro Group, including the following changes:

- the concepts and definitions used were supplemented and refined;
- the regulatory (legislative) basis for preventing and countering corruption were updated;
- the list was updated, as well as the functions of the responsible persons and units involved in the process of receiving, reviewing appeals coming to the Trust Line;
- the list of criteria limiting the consideration of appeals received on the Trust Line is updated.

The Regulation of the commissions for compliance with the norms of corporate ethics and the settlement of

the conflict of interests of PJSC RusHydro (Order No. 934 of December 29, 2013) was developed and put into effect defining the tasks, powers, types, and procedures for the establishing and functioning of an Ethics Commissions and the order of their interaction.

In addition, in order to ensure a unified approach to the organisation of anti-corruption activities in RusHydro Group, local regulatory acts were implemented in the field of counteracting corruption and resolving a conflict of interests similar to the local regulatory acts of PJSC RusHydro in the controlled entities of PJSC RusHydro.

PJSC RusHydro provides full-time assistance to law enforcement, controlling, and supervisory authorities in carrying out inspections and requests for information on the compliance of PJSC RusHydro with anti-corruption legislation, including the preservation and transfer of documents and information to these authorities that contain data on corruption offenses, when investigating the facts of corruption, while conducting inspections of the Company's activities on preventing and combating corruption.

Ensuring openness and accessibility of information (102-17)

On the official website and the internal portal of PJSC RusHydro can be accessed updated information:

- on the local regulatory acts adopted in the Company for combating corruption, preventing illegal actions and conflicts of interest;
- plans and reports on the implementation of the activities of the Comprehensive Programme of Anti-Corruption Activities;
- information materials, current regulatory legal acts, methodological materials on combating corruption.

At PJSC RusHydro, the Trust Line (http://www.rushydro.ru/form/) is on an ongoing basis an accessible communication channel for calls from employees of RusHydro Group and third parties (including anonymous ones) on countering fraud and corruption, suppression of unlawful actions and conflicts of interest, the improvement of the activities of the organisations of the Group.

Intracorporate communications

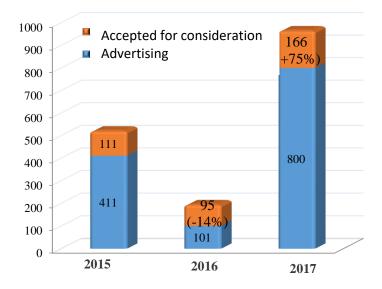
To improve the effectiveness of interaction between members of the work team, to accelerate inormation exchange within the organisation, to shape and disseminate corporate values of the company, to promptly inform employees about events, the intranet portal my.rushydro.ru was created and is maintained. The portal publishes news, regulatory and administrative documents of the Company, provides information and useful information for employees, as well as information on the availability of vacancies in the Group, while various other service functions are implemented.

One of the most effective tools for internal communications of the Group is the intracorporate newspaper. The monthly edition of "Vestnik RusHydro" is a full-color edition of 16 pages, whose total circulation in 2017 was 100,000 copies. The newspaper publishes a wide range of news from all regions of its presence, reflects the activities of all the divisions of the Group. Much attention is paid to interviews with the heads of the companies of the Group and its divisions. The newspaper is distributed free of charge at all facilities of the Company. An electronic version of the newspaper was created on the website www.vestnik-rushydro.ru, which allows to expand the audience of the channel of internal communications.

Trust Line

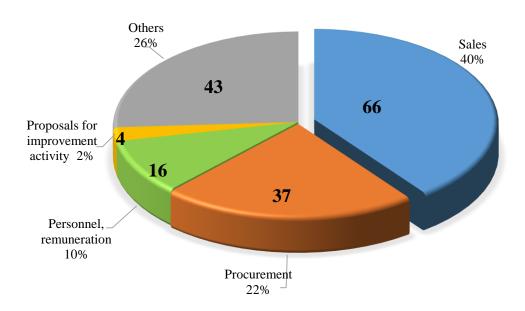
In 2017, 966 applications were received to the "Trust Line" of the Company. Compared to 2016, the number of applications increased 4.9 times. The main reasons for the multiple increase in the number of applications was the integration of the Company and JSC RAO ES of the East, the popularisation of the Line, as well as the growth of the applicants' trust in the communication channel. In 2017, 166 applications were considered for consideration as meeting the criteria established by local regulatory acts. The main reasons for the refusal was non-compliance with the criteria for considering appeals received by the "Line of Trust", or lack of information for feedback (letters without a return address).

Referral statistics, pc.



Based on the materials received by the "Line of Trust" in 2017, 5 service checks were initiated and completed.

Statistics of calls to the "Trust Line"



Improvement of the internal control system

Each year PJSC RusHydro updates the internal control system and implements plans to improve the internal control system, within surveys of the internal control systems of business processes of PJSC RusHydro.

Special attention is paid to the analysis of the adequacy of control procedures aimed at reducing the risks of corruption and fraud. Based on the results of the surveys, risk matrixes and control procedures are developed and updated to minimise risks.

Perfection of conditions, procedures and mechanisms of purchasing activity

Participation of representatives of PJSC RusHydro in activities on combating corruption:

- IV International GRC Forum "Anticorruption 2017. Revolutionising Values", organised by Thomson Reuters;
- Seminar of the Club of Companies on the Development of Corporate Governance with the participation of OECD representatives organised by PJSC "Moscow Exchange" and Deloitte, dedicated to the current world trends in business ethics and anti-corruption practices, as well as discussion of the state of compliance culture in Russian companies;
- All-Russian interactive action, timed to the annual International Day against Corruption, celebrated on December 9, organised by the Chamber of Commerce and Industry of the Russian Federation;
- seminar organised by the Russian Union of Industrialists and Entrepreneurs "Actualisation of mechanisms of counteraction to corruption on the example of separate business processes".

The Company regularly checks the legal entities and individuals with whom RusHydro intends to enter into financial and business relations as part of the procurement procedures, for the existence of conflicts of interest, including affiliation (interdependence) between the leaders (founders) of these organisations and employees of PJSC RusHydro.

In 2017, the Methodology for assessing the business reputation and financial status of participants in procurement procedures was updated (Order No. 246 of April 21, 2017) in the executive office and branches of JSC RusHydro.

Glossary

Glossary	DYGGD YY I I I I I I I I I I I I I I I I I I
Company, RusHydro	PJSC RusHydro, including its branches and executive office
Combined heat and power plant	Combined heat and power plant generates electricity and useful heat at the same time
Controlled company	A legal entity that is under the direct or indirect control of a controlling person
Controlling person	A person who has the right, directly or indirectly (through the persons under his control), to dispose of by virtue of his participation in a controlled organization and (or) on the basis of trust management agreements, and (or) a simple partnership, and (or) an instruction, and (or) a share agreement, and (or) another agreement, the subject of which is the exercise of rights certified by shares (interests) of the controlled entity, more than 50 percent of the votes in the supreme management body of the controlled entity or the right to appoint (elect) a sole executive body itelny body and (or) more than 50 percent of the managerial body of the controlled entity.
Day-Ahead Market	The competitive selection of price bids of suppliers and buyers conducted by JSC "ATS" a day before the actual delivery of electricity with the determination of prices and volumes of delivery for each hour of the day
Energy Efficiency	Effective (rational) use of energy resources. Use less energy to provide buildings or manufacturing processes in production with the same level of energy
Generating companies of the wholesale electricity market	Companies formed on the basis of the power plants
Gigacalorie	A unit of measurement for heating energy
Gigacalorie-Hour	A unit of measurement for heating power
Hydropower plant	A power plant as unified production and technological complexes, combining hydro-technical constructions and equipment that transforms mechanical energy from water into electric energy. In the text of the annual report, except when otherwise noted, tidal power plants and PS HPPs are included as HPPs
Hydro-technical constructions	Dams, hydropower plant constructions, spillways, drain and water-discharge constructions, tunnels, channels, pumping stations, navigation locks, boat lifts; buildings used to protect from floods and the destruction of water reservoir shores; dam constructions, protecting the liquid waste reservoirs of production and agricultural organizations; devices that protect against washing-away and other constructions designed to use water resources and to prevent any negative impact from water and liquid waste
Integrated Energy System	Aggregated production and other electricity property assets, connected via a unified production process (including production in the form of the combined generation of electrical and heat) and the supply of electrical energy under the conditions of a centralized operating and dispatch management.
Installed capacity	Total nominal active capacity of generators at electric power plants which are part of the Group's structure
JSC RAO UES of Russia	The Russian energy company (until July 1st, 2008). Full name - Open Joint Stock Company Unified Energy System of Russia. The Company previously united almost all of Russian energy sector companies under its consolidation. JSC RAO UES of Russia ceased to exist as of June 30, 2008 as a result of a comprehensive energy sector reform
Kilowatt-Hour	A unit of measurement for produced electricity
Megawatt	A unit of measurement for electrical capacity
Pump storage hydropower plants	Pump-storage power plants, which works by transforming electricity from other power plants into the potential energy of water; during reverse transformation, accumulated energy is contributed to the energy system primarily to cover deficits that may occur during peak load periods
Renewable energy sources	Include: hydro, solar, wind, geo-thermal, hydraulic energy, energy from water currents, waves, tides, the temperature gradient of sea water, temperature differences between air masses and the ocean, heat from the Earth, animal bio-masses and vegetable and household waste
Subgroup RAO ES of the East	JSC RAO ES of the East, including its controlled companies
Subsidiaries and dependent companies	Entities, in which another (main) economic entity due to its majority or greater participation in the charter capital or in accordance with a concluded agreement or in another way, has the opportunity to determine the decisions adopted by said entities.
The RusHydro Group	PJSC RusHydro, including its controlled companies
Thermal power plant	Thermal power plant is a power plant in which heat is converted to electric power
Useful supply of electricity	Electricity received and paid for by consumers

Wholesale electricity	Sphere for the turnover of electric energy and capacity within the framework of Russia's integrated
and capacity market	energy system within the country's unified economic space with the participation of large electricity
	producers and consumers that have the status of wholesale market objects, confirmed in full
	accordance with the Russian Federal Law "On the electric power industry" (by the Russian
	Government). The criteria for including large electricity producers and consumers in the category of
	large producers and large consumers are also established by the Russian government
Wind electric plants	Include two or more wind energy installations designed to convert wind energy into electric energy and its transmission to consumers
	and its transmission to consumers

List of abbreviations

PJSC RusHydro	Public joint-stock company RusHydro, including its branches and executive office
JSC RAO UES of Russia	Joint-stock company RAO Energy Systems of the East
APAC	Asian-Pacific Region
AGM	Annual General Meeting of Shareholders
BoD	Board of Directors
СНРР	Combined heat and power plant
CCA	Competitive capacity auction
CC	Controlled company(ies)
DAM	Day-Ahead Market
FEC	Fuel and Energy Complex
FEFD	Far Eastern Federal District
Gcal	Gigacalorie
Gcal/h	Gigacalorie-Hour
HPP	Hydropower plant
IES	Integrated Energy System
KPIs	Key performance indicators
kWh	Kilowatt-Hour
LTDP	Long term Development Program
MW	Megawatt
MPP	Mobile Power Plant
PS HPP	Pump storage hydropower plant
R & D	Research and development
REM	Retail energy market
RES	Renewable energy sources
SDCs	Subsidiaries and dependent companies
TPP	State District Power Plant
SPPs	Solar power plant
TPP	Thermal power plant
VNIIG	The B.E. Vedeneev All Russia Institute of Hydraulic Engineering
WECM	Wholesale electricity and capacity market
WGCs	Generating companies of the wholesale electricity market (WEM)
WPS	Wind electric plants
PJSC RusHydro	Public joint-stock company RusHydro, including its branches and executive office
JSC RAO UES of Russia	Joint-stock company RAO Energy Systems of the East
APAC	Asian-Pacific Region
AGM	Annual General Meeting of Shareholders

Tables of compliance with GRI Standard (102-55)

Disclousure	Reference	Comments
GRI 102. General Disclosures		
102-1. Name of the organization		
102-2. Activities, brands, products, and services		
102-3. Location of headquarters		
102-4. Location of operations		
102-5. Ownership and legal form		
102-6. Markets served		
102-7. Scale of the organization		
102-8. Information on employees and other workers		
102-9. Supply chain		
102-10. Significant changes to the organization and its supply chain		
102-11. Precautionary Principle or approach 102-12. External initiatives		
102-12. External initiatives 102-13. Membership of associations		
102-13. Membership of associations 102-14. Statement from senior decision-maker		
102-14. Statement from senior decision-maker 102-15. Key impacts, risks, and opportunities		
102-16. Values, principles, standards, and norms of behavior		
102-17. Mechanisms for advice and concerns about ethics		
102-17. Mechanisms for advice and concerns about ethics 102-18. Governance structure		
102-40. List of stakeholder groups		
102-40. Elst of stakeholder groups 102-41. Collective bargaining agreements		
102-42. Identifying and selecting stakeholders		
102-43. Approach to stakeholder engagement		
102-44. Key topics and concerns raised		
102-45. Entities included in the consolidated financial statements		
102-46. Defining report content and topic Boundaries		
102-47. List of material topics		
102-48. Restatements of information		
102-49. Changes in reporting		
102-50. Reporting period		
102-51. Date of most recent report		
102-52. Reporting cycle		
102-53. Contact point for questions regarding the report		
102-54. Claims of reporting in accordance with the GRI Standards		
102-55. GRI content index		
102-56. External assurance		
Standart elements of electric utilities sector disclosures		
EU1. Installed capacity		
EU2. Net energy output broken down by primary energy source and by regulatory regime		
EU4. Length of above and underground transmission and distribution lines by regulatory		
regime		
Material topics		
Long-term Development Programme Realisation of RusHydro Group		
GRI 103. Management Approach.		
Power development in the Far East		
GRI 103. Management Approach		
Investment attractiveness increase		
GRI 103. Management Approach		
Investment policy and implementation of the investment program, including the commissioning of new energy facilities and replacement of outgoing capacity		
GRI 203: Indirect Economic Impacts		
GRI 103. Management Approach		
203-1. Infrastructure investments and services supported		
203-2. Significant indirect economic impacts		
Sustainable development of electric power production, including the implementation of		
the Complex modernisation Program and the Technical Upgrading and Reconstruction		
Program		

GRI 302. Energy		
GRI 103. Management Approach		
302-1. Energy consumption within the organization		
302-3. Specific fuel consumption		
302-4. Reduction of energy consumption		
EU10. Planned capacity in comparison with the forecasted demand for electricity, broken		
down by energy sources and the regulatory regime		
Safety and reliability of generation facilities		
GRI 103. Management Approach		
The system of prevention and liquidation of natural disasters and emergencies (including		
floods, floods, low water levels)		
GRI 103. Management Approach	+	
Increasing operational efficiency and financial sustainability	+	
GRI 201: Economic performance	+	
	 	
GRI 103. Management Approach	 	
201-1. Direct economic value generated and distributed	 	
201-3. Defined benefit plan obligations and other retirement plans		
201-4. Financial assistance received from government	<u> </u>	
Human resource development	 	
GRI 404. Training and Education		
GRI 103. Management Approach		
404-2. Programs for upgrading employee skills and transition assistance programs		
404-3. Percentage of employees receiving regular performance and career development		
reviews		
Ensuring decent working conditions and respect for the rights of employees		
GRI 401. Employment		
GRI 103. Management Approach		
GRI 401-1. The total number of employees taken and dismissed in 2017, broken down by age		
group, sex and region; '['		
401-2. Benefits provided to full-time employees that are not provided to temporary or part-		
time employees		
401-3. Parental leave		
GRI 405. Diversity and Equal Opportunity		
GRI 103. Management Approach		
405-1. Diversity of governance bodies and employees		
GRI 407. Freedom of Association and Collective Bargaining		
407-1. Operations and suppliers in which the right to freedom of association and collective		
bargaining may be at risk		
EU22. Number of people economically displaced and compensated, by type of project		
GRI 412: Evaluation of investment agreements for the observance of human rights 2016		
GRI 103. Management Approach		
412-3. The total number and percentage of significant investment agreements and contracts		
that include provisions relating to human rights issues or assessed from a human rights		
perspective		
Occupational safety and health at work		
GRI 403. Occupational Health and Safety	 	
GRI 103. Management Approach	+	
403-2. Types of injury and rates of injury, occupational diseases, lost days, and absenteeism,		
and number of work-related fatalities	 	
403-4. Health and safety topics covered in formal agreements with trade unions	 	
403-4. Reflection of health and safety issues in formal agreements with trade unions	 	
Social and economic development of regions of presence	<u> </u>	
GRI 202. Market Presence	 	
GRI 103. Management Approach	<u> </u>	
202-1 Ratios of standard entry level wage by gender compared to local minimum wage	 	
Information openness and transparency		
GRI 205. Anti-corruption		The RusHydro
GRI 103. Management Approach		Group does not
205-3. Confirmed incidents of corruption and actions taken		consolidate the
		information on the
		number of units

	assessing th	e risks
	associated	with
	corruption	
Implementation of PJSC RusHydro Environmental Policy		
GRI 303. Water		
GRI 103. Management Approach		
303-1. Water withdrawal by source		
303-2. Water sources significantly affected by withdrawal of water		
GRI 304. Biodiversity		
GRI 103. Management Approach		
304-1. Operational sites owned, leased, managed in, or adjacent to, protected areas and areas		
of high biodiversity value outside protected areas		
304-2. Significant impacts of activities, products, and services on biodiversity		
304-3. Habitats protected or restored		
304-4. IUCN Red List species and national conservation list species with habitats in areas		
affected by operations		
GRI 305. Emissions		
GRI 103. Management Approach		
305-1. Direct (Scope 1) GHG emissions		
305-4. GHG emissions intensity		
305-5. Reduction of GHG emissions		
305-7. Nitrogen oxides (NO _X), sulfur oxides (SO _X), and		
other significant air emissions		
GRI 306. Effluents and Waste		
GRI 103. Management Approach		
306-1. Water discharge by quality and destination		
306-2. Waste by type and disposal method		
306-4. Transport of hazardous waste		
306-5. Water bodies affected by water discharges and/or runoff		

Tables of compliance with IIRC Integrated Reporting Framework (<IR>)

1. The reflection in the report of the fundamental concepts of <ir></ir>		
Fundamental concepts	Use/ do not use	
Creating value for the organization and stakeholders		
Capitals		
Value creation		
2. Conformity of the report with the cor-	e principles of the <ir>Standard</ir>	
Leading principles	Corresponds / does not correspond	
Strategic focus and future orientation		
Connectivity of information		
Stakeholder relationships		
Materiality		
Conciseness		
Reliability and completeness		
Constancy and comparability		

3. The presence in the report of the content elements of the <ir></ir>			
Content elements	Report section	Page	
Organization overview and external environment			
Management			
Business model			
Risks and opportunities			
Strategy and resource allocation			
Performance			
Outlook			

List of appendices

Appendix № 1. Information on compliance with the Russian Corporate governance Code

Appendix N_{\odot} 2. Information on major transactions and interested party transaction in 2016 with an indication of the parties concerned, date and protocol number of the management body meeting approving the transaction, and description of the transaction (including its subject, agreement price and term), of the interested party(ies), and of the person(s), treated as a non-independent director

Appendix № 3. Information on participation in other organizations

- 3.1 Information concerning all forms of the company's participation in commercial entities including its objectives, form and financial involvement, basic data on the entities (main statutory activities, earnings, profit), and efficiency indicators, in particular, the amount of dividends received for the owned shares in the reported period
- 3.2 Information concerning all forms of the company's participation in non-commercial entities, including the entity name, date of joining, subscription fee in rub/ other currency, area of the entity's activities
- 3.3 Information concerning shares / stakes purchase contracts made by PJSC RusHydro in 2017, indicating the parties to the contracts, their subject, price and other terms
- Appendix № 4. Information on the meetings of the Board of directors
- Appendix № 5. Information on the meetings of the Committees under the Board of directors
- Appendix № 6. Information about the sales of non-core assets
- Appendix № 7. Information on pending court proceedings
- Appendix № 8. Information concerning the state support funds received by the company in the reporting year, including the amount of granted subsidies (rubles), their use, and drawdown by the end of the year
- Appendix № 9. Report on the long term development program implementation of the RusHydro Group for the year of 2017
- Appendix № 10. The auditor's report on the Long-term development program implementation in 2017 of RusHydro Group for the period 2016-2020
- Appendix № 11. Information concerning establishment of unified treasuries in the head companies, subsidiaries and affiliates
- Appendix № 12. Information on the results of implementation of executive orders and instructions issued by the President of the Russian Federation, and instructions issued by the government of the Russian Federation in 2017
- Appendix № 13. Information on companies controlled by the PJSC RusHydro that are significant important
- Appendix № 14. List of the most significant transactions executed by the company and other significant controlled entities during the last year
- Appendix № 15. Accounting statements and the independent auditor's audit report as of December 31, 2017 (RAS)
- Appendix № 16. Consolidated financial statements prepared in accordance with IFRS, and an audit report for the year ended December, 31, 2017, and as at that date
- Appendix № 17. Internal audit committee conclusion of the PJSC RusHydro based on the results of the audit of financial and economic activities for 2017
- Appendix № 18. Organizational structure of PJSC RusHydro

Feedback form

Dear reader! You have read with the annual report of PJSC RusHydro, addressed to a wide range of stakeholders. The opinion of the readers - those for whom the report was created, it is extremely important to us. We would be grateful if you will contribute to the quality of the Group's reporting by answering the questionnaire.

When completing the application form please note that PJSC RusHydro also annually publishes a report on sustainable development and of the accounting information located there.

The completed form can be sent to the address: 127006, Moscow, ul. Malaya Dmitrovka, 7, or by fax: +7 (495) 225-37-37 (marked "The Department for Corporate Governance and Property Management"), or by e-mail corpupr@rushydro.ru.

	1.	Rate the report	using the c	<u>rite</u> ria "Co	mpletene	ess and rel	evance	of inforn	nation"				
	Excel	llent				Good							
	Satisf	factory				Unsat	isfactor	у					
	2.	Does the repor	t allowed us	s to obtain	the neces	ssary info	mation	about the	e Company	?			
	Yes					No							
Other												(comn	nents)
	3.	What section	is of the	report,	which	proved	to b	e most	meaningf	ul and	useful	for	you:
	4.	What topics do	you think	should be	included i	in the nex	t report	:					
	5.	Your advice ar	nd additiona	l commen	ts:								
	6.	Indicate which	stakeholde	r category	you belo	ng to:							
	RusH	Iydro Group En					Share	eholder /	Investor				
	The mark	customer / use	er (the sub	ject of th	ne retail			represer c authori	ntative of	the			

The representative of the professional community or NPO	The representative of local communities in the presence regions
Media representative	Representatives of universities and other educational
Business partner / contractor / supplier	Other (specify)

Contacts

Contacts	[/m . w
Full name	"Public Joint Stock Company Federal Hydro-Generating Company –
Full name	RusHydro" (102-1)
Full name	Public Joint-Stock Company Federal Hydro-Generating Company –
Abbreviated name	RusHydro PJSC RusHydro
OGRN	1042401810494
INN	2460066195
KPP	246601001
OKPO	75782411
OKVED	35.11.2
Number and date of issue of the certificate of	1042401810494
	26.12.2004
state registration as a legal entity Main activity	
Information about the listing of strategic	35.11.2 Production of electricity by hydroelectric power plants (102-2) Presidential Decree of 21.05.2012 No.688 PJSC RusHydro on the list of
enterprises and strategic joint-stock	strategic enterprises and strategic joint-stock companies, approved by
companies	Presidential Decree of August 4, 2004 N 1009 "On approval of the list of
companies	strategic enterprises and strategic joint-stock companies
Location	43 Dubrovinskogo Street, Bldg 1, Krasnovarsk,
Location	the Krasnoyarsk Region, Russia, 660017 (102-3)
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Abbreviated name	Joint Stock Company VTB Registrar
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License No	№ 045-13970-000001 by 02/21/2008
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Abbreviated name	NSD			
Location	12 Spartakovskaya St., Moscow, Russia, 105066			
Telephone	+7 (495) 234-48-27			
Fax	+7 (495) 956-09-38			
E-mail	bonds@nsd.ru			
Internet address in Russian	www.nsd.ru			
Auditor				
Full name	Closed Joint Stock Company PricewaterhouseCoopers Audit			
Abbreviated name	CJSC PwC Audit			
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