

Appendix No. 1 Additional Information on Annual Report sections

International Activities

Since 1 January 2004, the Company has acted as a carrier of electric power across the border of the Russian Federation and is a technical contractor under commercial contracts of participants of export/import activities on the Wholesale Electricity and Capacity Market (WECM).

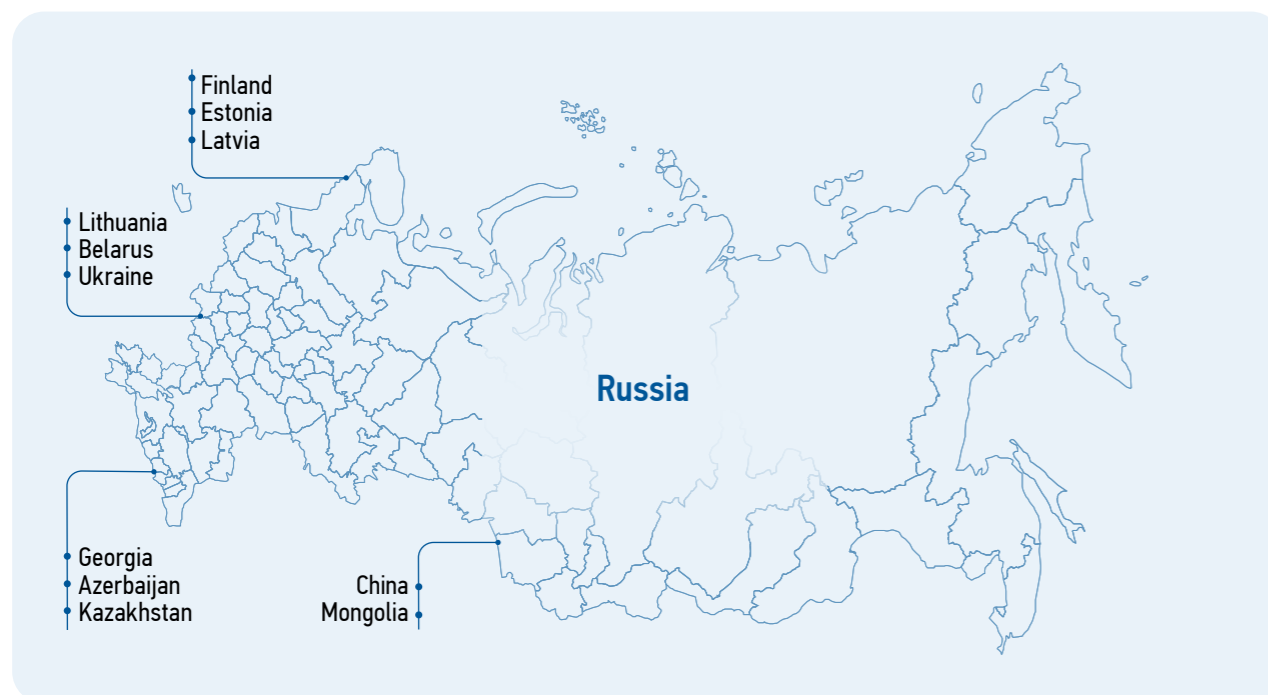
The Company provides electricity transmission services in the Russian Federation up to the state border of the Russian Federation in accordance with the terms and conditions of the contract with PJSC Inter RAO via power grid facilities included in the Unified National Power Grid and owned or otherwise legally controlled by the Company.

From spring 2022, the transmission of electricity under commercial electricity export contracts to the Baltic States (Lithuania, Latvia, Estonia) and Finland was completely discontinued. Meanwhile, there are electricity exchanges between UES of Russia and the Baltic States under parallel operation of energy systems. In autumn 2022, the Finnish transmission network operator, Fingrid Oyj, renovated

the interstate lines in Finland in order to strengthen the capacity of the Finnish energy system given the lack of electricity supplies from Russia. According to Fingrid Oyj, the restoration of cross-border transmission is possible as part of the restoration of electricity supplies from the Russian Federation.

In February 2022, according to the programmes agreed upon by JSC SO UES, PJSC Rosseti and Belenergo State Production Association, the Ukrainian energy system was subject isolated operation tests (without UES of Russia and UES of Belarus). Following the tests, the interstate power lines remained in a disconnected state on the part of Ukraine. At present, given the disconnected state of interstate power transmission lines, parallel operation of UES of Russia and UES of Ukraine is not available.

Due to scheme and regime peculiarities in the UES of the East since autumn 2023, the volume of electricity supplies from Russia to China has been significantly reduced.



Electricity exports and imports under PJSC Inter RAO agreements in 2019–2023

Actual electricity export, mln kWh

Country	2019	2020	2021	2022	2023
Azerbaijan	90.849	88.839	95.063	96.394	92.915
Belarus	31.179	66.358	497.994	46.341	32.333
Georgia, South Ossetia, Abkhazia	670.203	715.854	1,861.091	1,691.314	1,128.290
Kazakhstan, Kyrgyzstan	1,437.460	1,263.850	1,812.643	1,957.001	5,030.782
China	3,099.125	3,060.283	3,973.913	4,690.288	3,088.480
Latvia	–	301.617	2,861.799	439.053	–
Lithuania	6,285.853	3,142.721	1,859.788	694.538	45.379
Estonia	–	–	–	–	–
Mongolia	372.372	312.217	486.759	694.337	937.985
Ukraine	327.857	112.333	154.972	14.228	–
Finland	7,023.414	2,637.155	8,168.070	3,235.683	–
TOTAL	19,338.312	11,701.227	21,772.092	13,559.177	10,356.164

Actual electricity imports, mln kWh

Country	2019	2020	2021	2022	2023
Azerbaijan	218.569	118.485	95.168	100.090	103.786
Belarus	–	0.078	–	–	–
Georgia, South Ossetia, Abkhazia	59.215	–	0.007	0.025	0.180
Kazakhstan, Kyrgyzstan	1,243.257	1,116.926	1,326.603	1,458.968	1,377.059
China	–	–	–	–	–
Latvia	–	–	–	–	–
Lithuania	55.055	79.101	115.567	145.033	164.326
Estonia	–	–	–	–	–
Mongolia	26.513	39.850	23.324	37.240	24.903
Ukraine	–	–	–	–	–
Finland	–	19.500	–	–	–
TOTAL	1,602.609	1,373.940	1,560.669	1,741.356	1,670.254

Information on Interstate Power Transmission Lines (ISTL) and Electricity Transit

In accordance with Decree of the Government of the Russian Federation No. 41 dated 26 January 2006, power transmission lines crossing the state border of the Russian Federation meet the criteria for classifying power grid facilities as UNPG facilities.

The Company collects and processes information on the transportation of electricity along 125 interstate power transmission lines (hereinafter referred to as IPTL) based on data from fiscal electricity metering devices.

In accordance with the Agreement between the Government of the Russian Federation and the Government of the Republic of Belarus on certain measures to ensure parallel operation of the UES of Russia and the UES of Belarus dated 15 March 2011,

Belenergo provides electricity transmission services through the UES of Belarus for the purpose of electricity supply to Russian consumers, and the Company pays for these services. On 23 November 2023, Minutes on Amendments and Additions to the Agreement was signed, which aims to improve the safety and reliability of parallel operation of energy systems, including by providing capacity reserves and emergency mutual aid.

In accordance with the Agreement between the Government of the Russian Federation and the Government of the Republic of Kazakhstan on measures to ensure parallel operation of the unified energy systems of the Russian Federation and the Republic of Kazakhstan dated 20 November 2009, an electricity transit agreement was signed under which the Company pays for electricity transit through the territory of Kazakhstan starting from May 2010 to ensure electricity

supply to Russian consumers. On 9 November 2023, a new Intergovernmental Agreement was signed to replace the previous one, which stipulates that no payment for electricity transmission services via the unified national (all-Russian) electricity network of the Russian Federation is made within the average hourly value of the permissible deviation of the actual interstate balance of flows. Ratification of the Intergovernmental Agreement between Russia and Kazakhstan dated 9 November 2023 is pending.

In accordance with the Minutes on Ensuring Access to Services of Natural Monopolies in the Electric Power Industry, including the Fundamentals of Pricing and Tariff Policy, which is Addendum No. 21 to the Treaty on the Eurasian Economic Union, interstate transmission of electricity between member countries is possible, including through the grids of the UES of Russia.

In 2023, the Company's representatives took part in meetings of working groups of the CIS Electric Power Council and the Coordination Council under the CIS EPC, were involved in the preparation of statements and materials on agenda issues, as well as in the development of regulatory documents governing the formation of a common electric power market in the CIS.

In 2023, two meetings of the Coordination Council at the CIS EPC, the 62nd and 63rd meetings of the CIS EPC were held with the participation of the Company's representatives and reviewed the draft Action Plan of the CIS Electric Power Council and the CIS EPC Executive Committee and the draft Estimate of Expenses for Financing the Activities of the CIS Electric Power Council and its Executive Committee for 2024, the report on the activities of the CIS EEC Electric Power Council in 2022, the draft Regulations on the Evaluation of the Efficiency of the Working Structures and the CIS EPC Executive Committee, draft Regulations on the Working Structures of the CIS Electric Power Council, documents of the Commission for Operational and Technological Coordination of Joint Operation of Power Systems of the CIS Member States and Baltic States (COTC), detailed version of the Action Plan of the CIS Electric Power Council and the CIS EPC Executive Committee for 2023, made an inventory of international documents in the field of electric power within the CIS, etc.

In 2023, representatives of the Rosseti Group participated in the development of the following documents of the common electric power market of the EAEU, which were subsequently approved:

- Rules of Access to Interstate Electricity (Capacity) Transmission Services within the Common Electricity Market of the Eurasian Economic Union, approved by Decision of the Eurasian Intergovernmental Council No. 2 dated 3 February 2023. The Rules define the principles and procedure for access to interstate electricity (capacity) transmission services, as well as establish the procedure for conclusion, execution, amendment, cancellation and termination of non-trade interstate electricity transmission contracts and the procedure for registration and accounting of interstate transmission contracts.
- Rules for mutual trade in electricity in the common electricity market of the Eurasian Economic Union, approved by Decision No. 5 of the Eurasian Intergovernmental Council dated 26 October 2023. The rules stipulate the sequence and procedures of access of participants to the common market, conclusion of the accession agreement, mechanisms of interaction of trading participants with the infrastructure of the future market. In addition, the rules define the procedure for concluding, registering, recording, and cancelling sales contracts, and contain a list of interstate sections where trading will take place.
- Rules for determining and allocating the capacity of interstate cross-sections in the common electricity market of the Eurasian Economic Union, approved by Decision No. 6 of the Eurasian Intergovernmental Council dated 26 October 2023. The Rules ensure the necessary conditions for the functioning of the common electric power market and non-discriminatory use of the capacity of interstate transmission lines by its participants. Adopting the rules is necessary to reduce the economic risks of sellers and buyers of electricity, which are possible due to the technical unfeasibility of transactions concluded in the common market of the Union.

The adoption of these documents completed the next stage in the formation of the legal framework for the functioning of the common electric power market of the EAEU and accelerates the preparation of centralised trading operators and the registrar for the creation of the necessary infrastructure to ensure the operation of the common electric power market.

Information on interstate transmission (transit) of electricity through Belarus and Kazakhstan, mln kWh

Country	2019	2020	2021	2022	2023
Volume of transit through Belarus	251.6	700.4	314.3	223.2	266.7
Volume of transit through Kazakhstan	3,573.4	4,103.5	3,957.3	6,053.5	4,860.0
Total transit volumes	3,825.0	4,803.9	4,271.6	6,276.7	5,126.7

Joint operation of UES of the Russian Federation with electric power systems of foreign countries

Russia's energy system is connected by interstate power lines with the energy systems of neighbouring countries. To carry out joint/parallel operation of UES of Russia with electric power systems of foreign countries, the relevant contracts and agreements were signed, to which Public Joint Stock Company Federal Grid Company – Rosseti is a party.

As an organisation for the management of UNPG, including IPTLs, the Company carries out:

- organisation and implementation of fiscal metering of electricity transported along the IPTLs;
- interaction with foreign power systems and JSC SO UES under daily, monthly and annual planning of parallel operation modes of UES of Russia and foreign energy systems;
- information exchange of data on electricity flows with foreign energy systems;
- co-ordination and technological support of commercial contracts for export-import of electricity;

- determination and customs clearance of actual volumes of electricity transported across the state border;
- interstate transmission (transit) of Russian electric power through the energy systems of foreign countries.

In order to determine the amount of electricity transported through each IPTL, as well as to regulate the issues of information exchange of metering data on interstate power transmission lines, the Company concluded Agreements with foreign electric power organisations to organise metering of electricity flows with electric power systems of foreign countries.

Under planning of parallel operation modes of UES of Russia with foreign energy systems, provisions on planning with neighbouring energy systems have been signed and are in force. As part of international cooperation, the Company works to improve relations with energy systems of neighbouring countries in the field of electric power, including on the platform of the CIS Electric Power Council and its commissions, working groups in the CIS EPC Executive Committee and the BRELL Energy Systems Committee¹.

Formation of a common electricity market in the Eurasian Economic Union

The common electric power market of the Eurasian Economic Union (hereinafter referred to as the "EPM of the Union") is formed in accordance with Article 81 of the Treaty on the Eurasian Economic Union dated 29 May 2014 on the basis of the electric power systems of the member states operating in parallel, taking into account the specifics of the existing models of electric power markets of the member states of the Union.

Representatives of the Rosseti Group are members of the expert community engaged by the Ministry of Energy of Russia to form a consolidated position on the part of the Russian Federation when developing and negotiating the setting regulatory documents of the Union's common electric power market. In particular, representatives of the Rosseti Group are members of the Advisory Committee on the Electric Power Industry and the Subcommittee on the Formation of a Common Electric Power Market under the Board of the Eurasian Economic Commission.

In 2023, the Company's representatives took part in 22 meetings of the Subcommittee on Formation of the Common Electricity Market. These meetings addressed conceptual issues, the results of which are reflected in the draft rules for the functioning of the common electricity market.

¹ Taking into account the position of representatives of the Baltic States that there are no issues to be discussed, no meetings of the Committee of the BRELL energy systems and annual meetings of the heads of the parties to the Agreement on parallel operation of the energy systems of Belarus, Russia, Estonia, Latvia and Lithuania (BRELL) were held in 2023.

Risk management

Information on measures to manage key operational risks in 2023

Risks	Control measure
KOR-001 Risk of deviation of the volume of electricity transmission services from the value set in the business plan	<ul style="list-style-type: none"> Activities aimed at settling disagreements with consumers of electricity transmission services regarding the volume of services and preventing disputed volumes of services; Working to coordinate planned volumes of services, including declared capacity, with consumers of electricity transmission services (LGOs) for inclusion in the relevant contracts for electricity transmission services and submission to the state tariff regulation authorities.
KOR-002 Risk of deviation of the average tariff for electricity transmission services from the value set in the business plan	<ul style="list-style-type: none"> Obtaining economically feasible tariff-balancing decisions, with due regard to ensuring compliance of the tariff level not lower than the level set by the forecast of socio-economic development of the Russian Federation.
KOR-003 Risk of deviation of the grid connection scope from the target value set in the business plan	<ul style="list-style-type: none"> Monitoring the timely fulfilment of obligations under concluded GC agreements; Claim administration against applicants who defaulted on fulfilment of GC obligations to the Company; Control over and implementation of a set of measures for the timing of procedures performed by the Company's structural subdivisions, execution of all stages of the business process, starting from the moment of registration of a GC application and up to the moment of full fulfilment of obligations under the concluded agreements; Quality preparation of materials in a tariff application filing; Taking measures to attract new consumers; Timely confirmation of works by certificates during individual projects; Timely inclusion of GC activities in the individual projects; Enforcement of accumulated obligations of PJSC Rosseti under previously signed GC agreements, the deadlines for which were violated by the Company; Control over the quality of design and engineering performed by applicants for individual GC projects, with subsequent transfer of project documentation to Rosseti under the provisions of the GC Rules.
KOR-004 Risk of deviation of loss purchase costs from the value set in the business plan	<ul style="list-style-type: none"> Control over the fulfilment of planned indicators in terms of electricity transmission services, consideration of factors in business planning; Control over electricity loss reduction measures; Timely and full implementation of measures to reduce electricity losses.
KOR-005 Risk of deviation of non-influenceable costs from the value set in the business plan, except for the cost of purchasing electricity to compensate for losses	<ul style="list-style-type: none"> Budgetary control, in case of additional uncontrollable expenditures – preparation of proposals to the Budget Committee for reallocation of funds from savings of uncontrollable expenditures; Monitoring of non-exceedance of the approved value of uncontrollable expenditures and achievement of specified indicator targets for the reduction of per unit uncontrollable expenditures.
KOR-006 Risk of increase in actual operating expenses from the amount set for the planned period	<ul style="list-style-type: none"> Monitoring of non-exceedance of the approved OPEX value and achievement of specified indicator targets for the reduction of per unit operating expenses; Budgetary control: approval of concluded contracts in case of availability of funds in the approved Budget of Income and Expenditure and Budget of Cash Flow, signing of certificates of completed works in case of compliance with the cost conditions of the contract.
KOR-007 Risk of deviation of the volume of overdue receivables from the volume set in the business plan	<ul style="list-style-type: none"> Claims work to reduce accounts receivable, control over the timing of its implementation; Enforcement to reduce accounts receivable, control over the timing of its implementation; Control over introduction of full and (or) partial restrictions on the energy supply to debtors; Introduction of full and (or) partial restrictions on the energy supply to debtors; Follow-up action of debt restructuring agreements; Interaction with the Federal Bailiff Service of Russia and its territorial bodies, credit organisations (banks) to enforce collection of overdue receivables for electricity transmission services under received enforcement documents.

Risks	Control measure
KOR-008 Risk of deviation of the Debt/EBITDA indicator value from the value set in the business plan	<ul style="list-style-type: none"> Monitoring of non-exceedance of the approved OPEX value and achievement of specified indicator targets for the reduction of per unit operating expenses; Management of the expenditure level, depending on the expected level of revenues (taking into account mandatory reliability and safety requirements) to achieve the EBITDA level in accordance with the Company's approved business plan; Funding in line with the planned indicators of the Company's investment budget; Timely approval of planned investment budget figures and their changes (adjustments) under the investment programme as part of the Company's budget by the Company's governing bodies; Implementation of measures to reduce overdue receivables for electricity transmission services and settlement of disagreements, control over achievement of the planned level of electricity payment collection: <ul style="list-style-type: none"> Claims-related work to reduce accounts receivable, control over the timing of its implementation; Introduction of full and (or) partial restrictions on the energy supply to debtors; Follow-up action of debt restructuring agreements.
KOR-009 Risk of deviation of net profit from the value set in the business plan	<ul style="list-style-type: none"> Operational control, monitoring of net profit performance in accordance with the approved business plan; Monitoring of non-exceedance of the approved OPEX value and achievement of specified indicator targets for the reduction of per unit operating expenses; Implementation of the action plan to reduce overdue receivables for electricity transmission services and settlement of disagreements, control over achievement of the planned level of electricity payment collection.
KOR-010 Risk of non-fulfilment of key parameters of the investment programme	<ul style="list-style-type: none"> Preparation of draft amendments (adjustments) to the planned indicators of the investment programme of PJSC Rosseti for 2020–2024 and its submission to the Ministry of Energy of the Russian Federation; Timely approval of changes (adjustments) to the planned indicators of Rosseti's investment programme for 2020–2024 by the Ministry of Energy of the Russian Federation; Timely approval of planned investment budget figures and their changes (adjustments) under the investment programme as part of PJSC Rosseti's budget by the Company's governing bodies; Timely submission of the Investment Project Implementation Schedule as part of project datasheets by project managers (general directors of MPG, structural subdivisions of the Executive Office) to form the draft LTIP for projects for construction and renovation of electric grid facilities; Timely fulfilment of planned activities of the Investment Project Implementation Schedule as part of project datasheets to form a draft LTIP for projects for construction and renovation of electric grid facilities of the approved investment programme; Incoming quality control of materials and equipment; Capital construction quality control; Claims-related work with contractors violating contractual obligations prior to commissioning of the facility; Funding in line with the planned indicators of the Company's investment budget; Timely preparation of initial permits, design documentation.
KOR-012 Risk of failure to achieve the target capacity utilisation set for the planned period	<ul style="list-style-type: none"> Monitoring of existing and forecast electricity and capacity consumption by the Company's power grid facilities (analysis of prospective loads by power nodes, power supply centres of 35 kV and above); Submission of proposals to the executive authorities of the constituent entities of the Russian Federation regarding the incorporation of technical measures to optimise the degree of utilisation of underutilised grid facilities and projected growth in electricity consumption into the Schemes and Programmes for the Development of the Electric Power Industry of the constituent entities of the Russian Federation; Consideration of technical measures to optimise the degree of utilisation of underutilised grid facilities when forming the Company's investment programmes.
KOR-013 Risk of failure to achieve the level of reliability of power transmission services established during tariff regulation	<ul style="list-style-type: none"> Extension of OTL right-of-ways to the standard condition; Formation of maintenance and repair programmes, with regard to the results of assessment of the current technical condition of equipment, including those based on the results of electric grid equipment diagnostics; Control over the quality of maintenance and repair work (including that performed by contractors); Control over the implementation of measures based on the results of investigation of process faults (accidents); Implementation of retrofitting and renovation investment projects within the planned timeframe (implementation of the LTIP).

Risks	Control measure
<p>KOR-014 Risk of failure to achieve the grid connection service quality established under tariff regulation</p>	<ul style="list-style-type: none"> Control over the deadlines for sending technical specifications for approval to operational dispatch office/regional dispatch control department; Control over the timing of the Company's application to the authorised executive body in the field of state tariff regulation to determine the amount of payment for connection to power grids; Control over the timing of GC facilities being included in the Company's investment programme; Control over the timing of contracted works; Operational control over the execution of GC applications, analysis of risks of their non-fulfilment; Regular meetings to promptly resolve GC-related issues; Enforcement of the deadlines for the execution of warnings from the FAS of Russia and its territorial bodies in terms of grid connection; Pre-trial resolution of issues with complainants concerning grid connections. Conduct of meetings: <ul style="list-style-type: none"> With working group pertaining to PJSC Rosseti's S&As; With the Applicants on pre-trial settlement issues.
<p>KOR-015 Risk of an accident occurred through the fault of the Company</p>	<ul style="list-style-type: none"> Talent development with hands-on training in skills and safe practices (to build employees' skills of safe behaviour at work and prevent hazardous situations); Labour Safety Days and other inspections of occupational health and safety and personnel relations at each branch of PJSC Rosseti – MPGE; Functioning of a response system for violations of occupational safety requirements (taking action against employees who commit violations of occupational safety requirements); Analysis in case of violation of occupational safety requirements with development of corrective measures; Organisation of acquisition, issue of certified, quality personal protective equipment, special clothing and footwear, flushable and decontaminating agents; Control over compliance with occupational safety requirements at Rosseti's facilities; Organisation of safe operation of vehicles, including premises and parking areas for vehicles; Control over compliance with the rules of passenger carriage and cargo transport; Analysis of road accidents with the development of corrective actions; Control over the execution (implementation) of programmes containing occupational safety requirements and aimed at injury prevention (programmes for elimination of injury-prone places, etc.); Inspections of MPGE where accidents took place, including road traffic accidents; Development and implementation of measures to prevent occupational injuries and to ensure that employees of Rosseti's branches – MPG and MPGE – comply with occupational safety requirements in accordance with the results of accident investigations, control measures, and decisions of the Occupational Safety Committee, and to ensure the effective functioning and continuous improvement of the occupational safety management system; Fulfilment, within the established timeframe, of the measures under instruction acts and operative orders issued following the results of inspections by supervisory and control bodies and as part of technical supervision, as well as measures to eliminate the causes of accidents specified in investigation acts.
<p>KOR-016 Risk of deviation of labour productivity increase indicator from the value set in the business plan</p>	<ul style="list-style-type: none"> Increased efficiency of organisational structures and formation of approaches to organisational design: implementation of organisational changes at PJSC Rosseti, in particular in the context of digital transformation; Training of employees under professional training, retraining, and advanced training programmes in accordance with the approved plans of the Staff Training Centres of PJSC Rosseti's Executive Office, Staff Training Centres of PJSC Rosseti's branches – MPG; Control emergency drills at the Staff Training Centres of Rosseti's branches – MPG for the operating personnel of the MPG Main Grid Control Centre and MPGE Grid Control Centre in accordance with the approved schedules.

Indicators related to corporate government – risk management and internal control

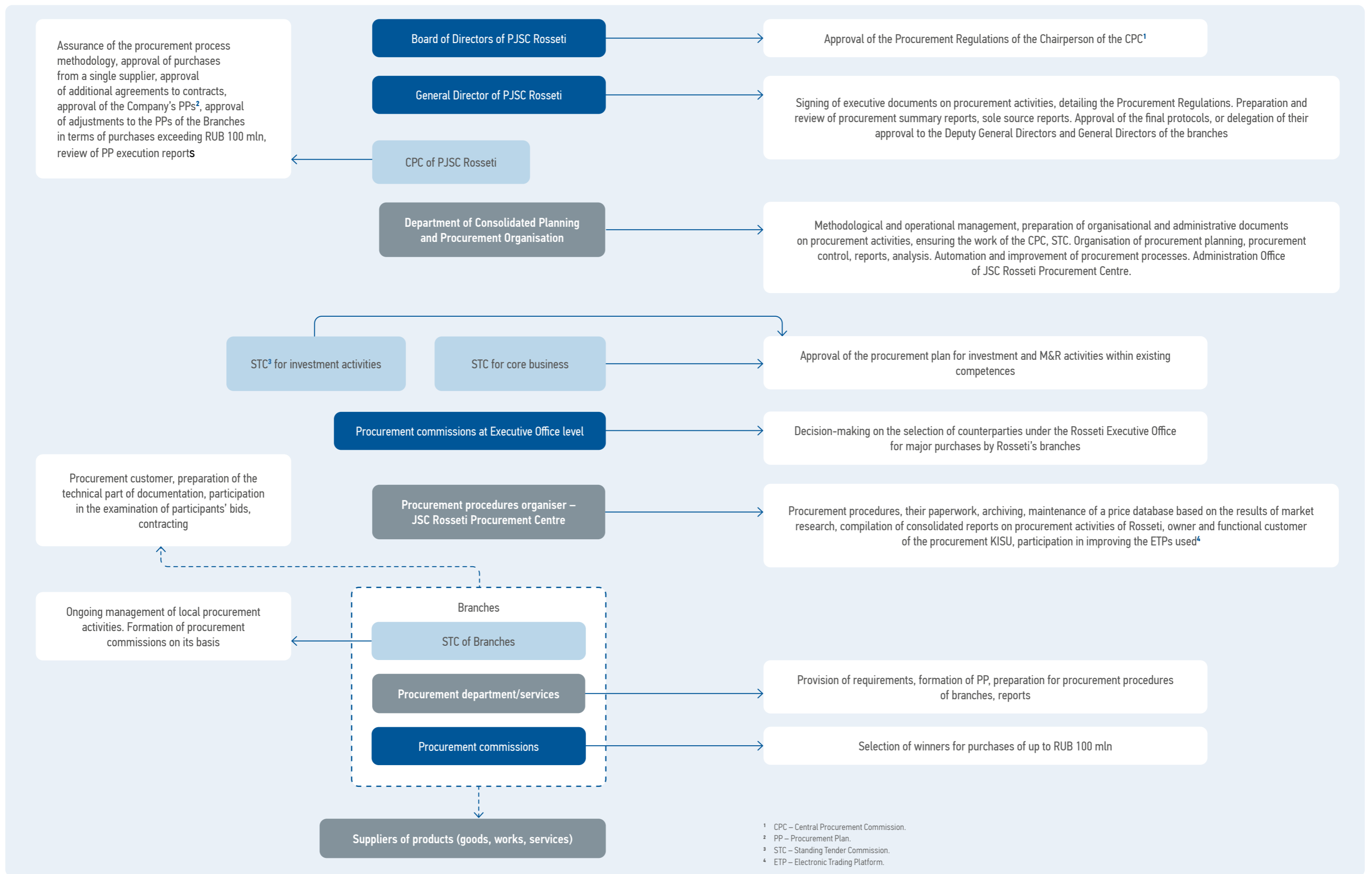
Indicator	Units of measurement	2021	2022	2023	2023/2022 (%)
Total amount of funds received by the Company from counterparties in bankruptcy and liquidation proceedings	RUB mln	576.8	531.8	205.1	(61.4)
Total amount of cash saved by the Company due to acquisition of its own debt to debtors under bankruptcy proceedings at auctions	RUB mln	Company did not participate in the bidding due to the lack of economic feasibility of repurchasing its own debt		No bidding for the sale of own debt to debtors in bankruptcy proceedings was carried out	

Procurement

Regulatory documents that the Company is guided by in its procurement activities:

- Decree of the Government of the Russian Federation No. 616 dated 21 June 2012 "On Approval of the List of Goods, Works and Services to be Procured in Electronic Form";
- Decree of the Government of the Russian Federation No. 908 dated 10 September 2012 "On Approval of the Regulations on the Publication of Procurement Information on the Official Website";
- Decree of the Government of the Russian Federation No. 932 dated 17 September 2012 "On Approval of the Rules for Forming a Procurement Plan for Goods (Works, Services) and Requirements to the Form of Such Plan";
- Decree of the Government of the Russian Federation No. 1211 dated 22 November 2012 "On Keeping the Register of Bad Suppliers provided for by the Federal Law "On Procurement of Goods, Works and Services by Certain Types of Legal Entities";
- Decree of the Government of the Russian Federation No. 1352 dated 11 December 2014 "On Specifics of Participation of Small and Medium-Sized Business Entities in Procurement of Goods, Works and Services by Certain Types of Legal Entities";
- Decree of the Government of the Russian Federation No. 1442 dated 25 December 2015 "On Procurement of Innovative Products, High-Tech Products by Certain Types of Legal Entities and Amendments to Certain Acts of the Government of the Russian Federation";
- Decree of the Government of the Russian Federation No. 1132 dated 31 October 2014 "On the Procedure for Maintaining a Register of Contracts Concluded by Customers as a Result of Procurement";
- Decree of the Government of the Russian Federation No. 925 dated 16 September 2016 "On the Priority of Goods of Russian Origin, Work, Services Performed or Provided by Russian Entities over Goods of Foreign Origin, Work, Services Performed or Provided by Foreign Entities";
- Decree of the Government of the Russian Federation No. 2013 dated 3 December 2020 "On Minimum Procurement of Goods of Russian Origin";
- Decree of the Government of the Russian Federation No. 1478 dated 22 August 2022 "On Approval of Requirements for Software, Including as Part of Software and Hardware Complexes".

Procurement System Model



Placement of bonds

As of 31 December 2023, the following issues of the Company's bonds are outstanding:

Series	Total nominal value, RUB	Coupon rate at placement, % p.a.	Outstanding volume at nominal value, RUB	Coupon rate as of 31.12.2023, % p.a.
4-21-65018-D	10,000,000,000	8.75%	419,838,000	7.40
4-22-65018-D	10,000,000,000	1-2 coupons – 9% p.a., coupons 3-20 are calculated by formula: $K_i = (CPI - 100\%) + 2.5\%$, coupons 21-24 – 9.15% p.a.	10,000,000,000	9.15
4-23-65018-D	10,000,000,000	1 coupon – 8.4% p.a., coupons 2-140 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	10,000,000,000	7.69
4-26-65018-D	15,000,000,000	1 coupon – 7.5% p.a., coupons 2-136 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	15,000,000,000	7.00
4-27-65018-D	15,000,000,000	1 coupon – 7.5% p.a., coupons 2-136 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	11,000,000,000	7.00
4-28-65018-D	20,000,000,000	1 coupon – 8.4% p.a., coupons 2-140 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	20,000,000,000	7.69
4-29-65018-D	20,000,000,000	1 coupon – 7.1% p.a., coupons 2-132 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	20,000,000,000	6.15
4-30-65018-D	10,000,000,000	1 coupon – 7.5% p.a., coupons 2-132 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	10,000,000,000	7.69
4-34-65018-D	15,000,000,000	1 coupon – 7.5% p.a., coupons 2-132 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	14,000,000,000	7.69
4-37-65018-D	20,000,000,000	1 coupon – 17.9% p.a., coupons 2-120 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	20,000,000,000	7.00
4-38-65018-D	20,000,000,000	1 coupon – 17.9% p.a., coupons 2-120 are calculated by formula: $K_i = (CPI - 100\%) + 1\%$	20,000,000,000	7.00
4B02-03-65018-D	9,000,000,000	7.75%	9,065,000	8.00
4B02-04-65018-D	7,000,000,000	7.6%	110,893,000	8.00
Exchange-traded bonds of 001P-04R series	10,000,000,000	6.75%	10,000,000,000	6.75
Exchange-traded bonds of 001P-05R series	10,000,000,000	6.50%	10,000,000,000	6.50
Exchange-traded bonds of 001P-02R series	10,000,000,000	6.60%	10,000,000,000	6.60
Exchange-traded bonds of 001P-03R series	10,000,000,000	7.50%	10,000,000,000	7.50
Exchange-traded bonds of 001P-06R series	15,000,000,000	8.70%	15,000,000,000	8.70
4B02-05-65018-D	10,000,000,000	8.50%	10,000,000,000	8.50
4B02-06-65018-D	10,000,000,000	9.70%	10,000,000,000	9.70
4B02-07-65018-D	15,000,000,000	9.70%	15,000,000,000	9.70
Exchange-traded bonds of 001P-07R series	30,000,000,000	8.80%	30,000,000,000	8.80
Exchange-traded bonds of BO-001P-02 series (Rosseti)	10,000,000,000	6.50%	10,000,000,000	6.50
Exchange-traded bonds of 001P-08R series	12,000,000,000	1 coupon – 8.8% p.a., 2-20 coupons – the coupon size is determined by the formula: $C_i = C_c(i) + 1.3\%$, where C_i is the interest rate on the i -th coupon ($i=2,3...20$), $C_c(i)$ is the current value of the key rate of the Bank of Russia on the 7th day preceding the date of the beginning of the i -th coupon period.	12,000,000,000	16.30
Exchange-traded bonds of 001P-09R series	5,000,000,000	10.44%	5,000,000,000	10.44
Exchange-traded bonds of 001P-10R series	10,000,000,000	11.15%	10,000,000,000	11.15

Series	Total nominal value, RUB	Coupon rate at placement, % p.a.	Outstanding volume at nominal value, RUB	Coupon rate as of 31.12.2023, % p.a.
Exchange-traded bonds of 001P-11R series	10,000,000,000	1-73 coupons – the rate is determined by the formula: $RD_{ij} = R + S$, where RD_{ij} is the interest rate on each date D_{ij} , in per cent per annum; R is the value of the key rate of the Bank of Russia for the 7th (seventh) day preceding the date D_{ij} (hereinafter – D_{ij-7}). S is the spread, in per cent per annum. $S=1.05\%$	10,000,000,000	17.05%
Exchange-traded bonds of 001P-12R series	5,000,000,000	12.80%	5,000,000,000	12.80%

The Company's bonds are listed on PJSC Moscow Exchange in the first, second and third tiers and are included in the calculation bases of the Moscow Exchange and Cbonds indices.

Credit ratings

No.	Company	Rating level	Forecast	Date of revision	Date of assignment	Rating agency
1	PJSC Rosseti	AAA (RU)	Stable	18.10.2023	28.11.2017	ACRA
2	PJSC Rosseti Moscow Region	AAA (RU)	Stable	29.06.2023	06.06.2018	ACRA
3	PJSC Rosseti Centre	ruAAA	Stable	13.12.2023	19.02.2018	Expert RA
4	PJSC Rosseti Centre and Volga Region	ruAAA	Stable	19.12.2023	07.03.2018	Expert RA
5	PJSC Lenenergo	AAA (RU)	Stable	16.05.2023	11.04.2018	ACRA
6	PJSC Rosseti North-West	AA+ (RU)	Stable	03.08.2023	08.08.2018	ACRA
7	PJSC Rosseti Volga	AA+ (RU)	Stable	15.12.2023	31.10.2018	ACRA
8	PJSC Rosseti Ural	ruAA+	Stable	24.03.2023	16.04.2018	Expert RA
9	JSC Rosseti Tyumen	AA+ (RU)	Stable	07.06.2023	29.06.2021	ACRA

Information on the Company's investments as of 01.01.2024, with the expected level of return more than 10% per annum. (in respect of deposit transactions and promissory notes recognised as financial investments)

No.	Type	Counterparty	Placement amount, RUB	Currency	Rate, % p.a.	Number of days	Start date	End day
1	Deposit	PJSC Moscow Credit Bank	29,324,497,302.43	RUB	17.00	96	28.12.2023	02.04.2024

Environmental Protection

The Company withdraws water in 13 regions of Russia with observed shortages of clean water. The total water withdrawal in such regions in 2023 was 440,600 m³.

Total water withdrawal in regions with observed water shortage by source type in 2023, thousand m³

Region	Surface water	Groundwater	Central water supply system	Water provided by third parties
Republic of Kalmykia	0	0	3.207	0.764
Krasnodar Territory	0	4.336	68.805	0.166
Stavropol Territory	0	0	46.732	0.079
Astrakhan Region	0	0	17.35	1.128
Volgograd Region	0	13.73	43.53	23.929
Kurgan Region	0	0.033	0.007	0.003
Rostov Region	0	3.62	55.54	0.096
Orenburg Region	0	4.466	64.319	0.0444
Murmansk Region	0	2.077	14.962	0.008
Omsk Region	0	0.208	15.778	0
Novgorod Region	0	0.544	2.09	0
Yaroslavl Region	0	0	23.09	0
Belgorod Region	0	2.78	27.18	0

Energy Consumption and Energy Saving

Main measures aimed at reducing electricity and heat consumption in buildings, structures and facilities:

- Thermal insulation of thermal circuits of buildings and structures;
- Replacement of window constructions with energy efficient ones;
- Replacement of old doors, entrance spaces and gates with new energy efficient ones;
- Upgrading of heating, ventilation and air conditioning systems;
- Regulation of operation modes of thermal units;
- Optimisation of heating, air conditioning, lighting of buildings, disconnection of office equipment, electrical appliances with appointment of responsible persons.

Main activities aimed at reducing fuel and lubricant consumption:

- Technical supervision of vehicle operation (wheel alignment adjustment, tyre pressure control, replacement of oil, filters, spark plugs, fuel injectors, etc.);
- Use of fuel cards;
- Purchase of injection engine test benches;
- Optimisation of traffic routes, explanatory work with personnel, and, if possible, priority loading with the lowest specific fuel consumption.

Amount of energy resources used at the Rosseti Group in 2023

No.	Types of resources	UoM	Plan 2023	Actual 2023	Variation in %
1.	atomic energy ¹	In physical terms	–	–	
		In monetary terms	–	–	
2.	thermal energy	In physical terms, thousand Gcal	433.29	422.86	–2.41
		In monetary terms, RUB mln	865.19	884.33	2.21 ²
3.	electric energy	In physical terms, mln kWh	892.34	863.90	–3.19
		In monetary terms, RUB mln	4,107.08	4,065.20	–1.02
4.	electromagnetic energy ¹	In physical terms	–	–	
		In monetary terms	–	–	
5.	petroleum ¹	In physical terms	–	–	
		In monetary terms	–	–	
6.	motor petrol	In physical terms, thousand litre	76,156.34	66,386.75	–12.83
		In monetary terms, RUB mln	3,138.08	2,924.68	–6.80
7.	diesel fuel	In physical terms, thousand litre	68,273.88	77,932.06	14.15 ³
		In monetary terms, RUB mln	3,088.62	3,725.60	20.62 ³
8.	furnace fuel oil ¹	In physical terms	–	–	
		In monetary terms	–	–	
9.	natural gas	In physical terms, thousand cu.m	23,617.26	16,965.39	–28.17
		In monetary terms, RUB mln	78.75	72.39	–8.08
10.	coal ¹	In physical terms	–	–	
		In monetary terms	–	–	
11.	oil shale ¹	In physical terms	–	–	
		In monetary terms	–	–	
12.	peat ¹	In physical terms	–	–	
		In monetary terms	–	–	
13.	others	In physical terms, thousand TFOE	1.46	1.41	–3.42
		In monetary terms, RUB mln	23.32	14.96	–35.85

¹ Resource is not used.

² Actual heat energy costs exceed the planned ones with non-comparable values of heat energy tariffs in 2023 and the tariff used in calculating the planned value of the indicator.

³ The actual value of diesel fuel consumption over the planned one relates to:

- change in the composition of actual works;
- increase in the volume of grid connection works;
- higher need for the use of diesel-powered special-purpose vehicles in the operation of power grids and elimination of process faults at the Company's facilities.

Occupational Health and Safety

Work-Related Accidents

Total injury rate including all injuries (including those caused by third parties, not employees)¹

Branch	2021	2022	2023
PJSC Rosseti Moscow Region	0.349	0.351	0.069
PJSC Rosseti Lenenergo	0.127	0.504	0
PJSC Rosseti Centre	0.216	0.401	0.219
PJSC Rosseti Ural	0.395	0.267	0.532
PJSC Rosseti Centre and Volga Region	0.193	0.144	0.097
PJSC Rosseti Siberia	0.206	0	0.161
PJSC Rosseti Volga	0.144	0.196	0.403
PJSC Rosseti North-West	0.371	0.541	0.382
PJSC Rosseti South	0	0.073	0.221
PJSC Rosseti Northern Caucasus	0.214	0.209	0.422
PJSC Rosseti Kuban	0.113	0.342	0.457
JSC Chechenenergo	0	0.42	0
PJSC TDC	0	0	4.135
JSC Rosseti Yantar	0	1.078	0
JSC Rosseti Tyumen	0.539	1.362	0.54
PJSC Rosseti Siberia Tyvaenergo	0	0	0
JSC RES	0	0	0
JSC Energetik	0	0	0
JSC Electromagistral	0	0	0
Total for the distribution complex	0.178	0.308	0.292
Total for PJSC Rosseti	0.418	0.186	0.482
Total for the Rosseti Group of companies	0.245	0.296	0.312

Fire Safety

To ensure compliance with fire safety requirements, the facilities of the Rosseti Group's companies operate in accordance with the requirements of federal legislation.

Main completed projects of the Company in the field of fire safety in 2023:

- proposals were developed and sent within the framework of implementation of the state policy in the electric power industry and the regulatory guillotine mechanism to the legislative acts of the Russian Federation and regulations in relation to fire safety;
- collection, analysis, and preparation of information and analytical materials on the fire situation at power grid facilities in 2023;

- regulatory, methodological and other documents on fire safety were developed;
- Fire Safety Policy of PJSC Rosseti was implemented;

- work was organised to coordinate the fire safety activities of Rosseti's branches and subsidiaries and to monitor compliance with mandatory fire safety requirements and the implementation of additional measures at electric grid facilities.

Changes in the number of fires and ignitions at the Rosseti Group's facilities

Branches, S&As of the Company	Number of fires and ignitions ¹	
	Total in 2022	Total in 2023
PJSC Rosseti Siberia	68	12
PJSC TDC	–	3
JSC Rosseti Tyumen	20	40
PJSC Rosseti Ural	10	26
PJSC Rosseti Volga	2	5
PJSC Rosseti South	16	12
PJSC Rosseti Kuban	–	1
PJSC Rosseti Northern Caucasus	14	6
PJSC Rosseti Centre and Volga Region	3	4
PJSC Rosseti Centre	3	0
PJSC Rosseti Moscow Region	1	1
PJSC Rosseti North-West	3	6
PJSC Rosseti Lenenergo	4	3
JSC Rosseti Yantar	–	1
Branches of PJSC Rosseti – MPGs	63	92
Total:	207	212

Information on transactions of PJSC Rosseti and its controlled entities

1. Information on the transactions made by PJSC Rosseti in 2023 and recognised as major transactions under the Russian Law

In 2023, the Company did not enter into any transactions recognised as major transactions under the Federal Law "On Joint Stock Companies".

2. Information on the transactions made by PJSC Rosseti in 2023 and recognised as related-party transactions under the Russian Law

Information on transactions entered into by PJSC Rosseti in 2023 that are recognised as related-party transactions under the Federal Law "On Joint Stock Companies" is contained in the Report on Related-Party Transactions Entered into by PJSC Rosseti in 2023 in Appendix No. 3.

3. Information on material transactions of PJSC Rosseti and legal entities controlled by it in 2023 is provided in Appendix No. 4.

4. Information on agreements concluded by PJSC Rosseti in 2023 for the sale and purchase of interests, shares, stocks of business partnerships and companies

Information on purchase and sale agreements for shares, stocks, and units of business partnerships and companies entered into by PJSC Rosseti in 2023, including information on the parties, subject matter, price, and other terms and conditions of such agreements and legal entities controlled by it, is provided in Appendix No. 9.

¹ Injury frequency indicator Kf is the ratio of the number of injured persons to the average number of blue collars and white collars for the accounting period, which is taken relative to 1,000 employees: $Kf = (N1/Np) * 1,000$, where N1 is the number of injured persons who are disabled for more than three working days and up to a fatal outcome, while Np is the number of employees within a certain period of time (average headcount). The above accident/injury frequency rates are presented for 2021 and 2022 without JSC Electromagistral, JSC Energetik and JSC RES. For 2023, the work-related accident frequency rate is presented, taking into account accidents at JSC Electromagistral, JSC Energetik and JSC RES since those were merged with the Rosseti Group (November 2023).

¹ According to the information provided by JSC Energetik, JSC Electromagistral, JSC RES, no fires and ignitions were recorded at the entrusted facilities in 2023.