Certified translation of the original document in Polish

ELECTRIC ENERGY TARIFF
of
POLSKIE SIECI ELEKTROENERGETYCZNE SA
(POLISH POWER GRID COMPANY)

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

TABLE OF CONTENTS

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

1. GLOSSARY OF TERMS

Terms used in the Polish Power Grid Company's tariff mean:

1.1. **Active electric energy:** electric energy taken off or fed into transmission grid, being the product of active power and the time of its use.

1.2. **Commercial schedule:** commercial data showing planned realisation of electric energy sales contract at each hour of a commercial day.

1.3. **Load schedule:** set of data determining the magnitude of consumption or supply of electric energy for the set of delivery points, for which a set of such data is prepared for each hour.

1.4. **Scheduling unit:** a set of balance market energy delivery points; scheduling units are specified by each balance market participants in agreement with the transmission system operator or distribution system operator, depending on the location of balance market energy delivery points in the grid.

1.5. **Long-term contract:** a purchase contract for electric energy concluded by Polish Power Grid Company with entities implementing modernisation and environment protection projects; the list of long-term contracts is included in the clause 4.3, Table 5.

1.6. **Point of delivery of electric energy from transmission grid (MD):** a point in the network, where the Polish Power Grid Company is obliged to supply electric energy specified in the connection agreement, contract for rendering transmission services, or electric energy sales contract.

1.7. **Connection point:** a point in network where the connection utility is connected to the grid, as specified the connection agreement.

1.8. **Minimum volume of energy (MIE):** calculated volume of electric energy assigned to receiver of transmission services of Polish Power Grid Company, who supply energy to end consumers; this refers to the volumes of energy specified in the long-term contracts.

1.9. **Contractual capacity:** active power taken off or supplied into the grid, which for each MD is subscribed by a receiver of transmission services for the tariff period, and is specified in the contract for rendering transmission services, or electric energy sales contract, as the maximum value from average values of that power within the period of one hour.

1.10. **Connection capacity:** active power planned to be taken off or fed into the grid, specified in the connection agreement as the maximum value of the average values of that power within the period of 15 minutes, used for designing the connection utility.

1.11. **End consumer:** a consumer who uses all the purchased electric energy for own needs.

1.12. **Receiver of transmission services:** everyone, who uses transmission services rendered by the Polish Power Grid Company on the basis of a contract.

1.13. **Special end consumer:** a consumer who, in the previous calendar year, consumed not less than 500 GWh of electric energy, utilising not less than 50% of connection capacity, for whom the cost of electric energy constituted not less than 20% of his production costs.

1.14. **Commercial operator:** an entity which is responsible for commercial management of a scheduling unit of a balancing market participant, manages electric power supplied or consumed by scheduling units connected to the grid, and prepares commercial schedules of operation of scheduling units; a commercial operator managing scheduling units, a participant of balancing market such as a trading enterprise or a Power Exchange submits the operational schedules to the transmission system operator, or to the appropriate distribution system operator.

1.15. **Transmission system operator:** an electric power enterprise holding a license for transmission and distribution of electric energy, responsible for network operation of the transmission grid within the Republic of Poland.

1.16. **Distribution system operator:** an electric power enterprise holding a license for transmission and distribution of electric energy, responsible for the network operation of the distribution network for area of the country specified in the license.

1.17. **Development plan:** a plan regarding fulfilment of the present and future demand for electric energy, taking into account the local area development plan, or directions of municipal development specified in the analysis of conditions and directions of the municipal area development plan, made by energy enterprises involved in transmission and distribution of electric energy for the area of their activity according to Art. 16 of the Act.

1.18. **Connection** a segment of the system which connects an installation or network of a single entity to the grid.

1.19. **Transmission grid:** the network for transmission and distribution of electric energy of nominal voltage higher than 110 kV.

1.20. **Distribution network:** the network for transmission and distribution of electric energy of nominal voltage not higher than 110 kV.

1.21. Force Majeure: a sudden event, which is unforeseeable and beyond control of the parties, which renders it totally or partially impossible to fulfil contractual obligations permanently or in a certain period of time, which cannot be prevented or counteracted by proper diligence of the parties: Force Majeure occurrences are in particular:

a) natural disasters, including fire, flood, drought , earthquake, hurricane, rime;

b) acts of national authorities, including martial law, state of emergency, embargoes, blockades etc.

c) acts of war, acts of sabotage;

d) general strikes or other civil disturbances including public demonstrations, lockouts.

1.22. **Connection Terms:** conditions specified by the Polish Power Grid Company, which should be met by an entity applying for connection to the transmission grid.

2. GENERAL PROVISIONS

2.1. This Tariff of the Polish Power Grid Company takes into account the provisions of:

a) Act of 10 April 1997 — Energy Law (Journal of Laws No. 54 item 348, and No. 158 item 1042; of 1998 — No. 94 item 594, No. 106 item 668, and No. 162 item 1126; of 1999 — No. 88 item 980, No. 91 item 1042, and No. 110 item 1255; of 2000 — No. 43 item 489, No. 48, item 555, and No. 103, item 1099; of 2001 — No. 154 item 1800 and 1802; of 2002 — No. 74 item 676, No. 113 item 984, and No. 135 item 1144; and of 2003 — No. 50 item 424) hereinafter called "the Act".

b) Regulation of the Minister of Economy of 14 December 2000 concerning detailed principles of setting and calculating tariffs, and the principles of settlements in trade in electric energy (Journal of Laws of 2001, No. 1 item 7), hereinafter called "the Tariff Regulation".

c) Regulation of the Minister of Economy of 25 September 2000 regarding detailed conditions of connecting entities to electrical power networks, trade in electric energy, provision of transmission services, electrical power network operation and maintenance, and maintenance and customer service quality standards (Journal of Laws No. 85 item 957), hereinafter called "the Connection Regulation".

2.2. The Tariff is used for making settlements with consumers and entities accordingly with the scope of services provided, and with contracts concluded with Polish Power Grid Company, hereinafter called PSE SA.

2.3. This PSE SA Tariff, hereinafter called "the Tariff" defines the types and amounts of

a) rates of charges for connecting to the grid;

b) rates of charges for transmission services;

c) subscription fee rate;

d) compensations and discounts for breeches of customer service quality standards

e) charges for illegal take-off of electric energy;

f) prices of electric energy;

g) discount rates for calculating so called "employee tariff", and their terms of applicability.

2.4. Prices and rates of charges set forth in the Tariff include VAT at the rate of 22%. The rates of charges for connection to the grid, as well as Compensations and discountsfor breeches of customer service quality standards, are not subject to VAT. Charges for illegal take-off of electric energy are set on the basis of the Tariff prices and charging rates in force on the day of finding illegal take-off of energy decreased by VAT amount.

2.5. Prices and charging rates set forth in the Tariff are established according to quality standards specified in the §32 of the Connecting Regulation.

3. RATES OF CHARGES FOR TRANSMISSION AND DISTRIBUTION OF ELECTRIC ENERGY AND TERMS OF THEIR APPLICATION

3.1. General principles of settlements in consideration for provision of transmission services

3.1.1. General principles of settlements with consumers

3.1.1.1 Charging rates for transmission services, hereinafter called "transmission rates" are applied for entities using transmission services on the basis of contracts for providing transmission services.

3.1.1.2 Transmission rates for each service are divided into the following:

a) **Network rates** — for providing transmission and distribution of electric energy through the transmission grid.

b) **System rate** — for maintaining quality, reliability and security of electric energy supply.

c) **Accounting rate** — for accounting services.

3.1.1.3 The subscription fee rate is used for entities which use transmission services provided by PSE SA on the basis of a contract for providing transmission services

3.1.1.4 A receiver of transmission services pays to PSE SA a fee calculated as the sum of fees at the subscription and transmission rates.

3.1.1.5 Settlements for transmission services provided are effected in monthly invoicing periods.

3.1.1.6 Transmission rates are calculated as:

3.1.1.6.1. network rates, related to the service of transmission and distribution of electric energy through the transmission grid, applicable to entities which physically (technically) take off electric energy from the transmission grid. Network rates are calculated for the receivers of transmission services as single-zone, two-component rates, divided into:

a) Fixed component of the network rate for receivers of transmission services, expressed in PLN/MW/year;

b) Variable component of the network rate for receivers of transmission services, expressed in PLN/MWh.

3.1.1.6.2. the system rate, applicable to all receivers of transmission services, and expressed in PLN/MWh, calculated as a single-component, single-zone rate, divided into:

a) Quality rate — confers the costs of maintaining system standards of quality and reliability of current supplies of electric energy;
b) Compensation rate — confers the costs resulting from charging for electric energy produced in cogeneration heat power plants;
c) Equalising rate — confers the costs resulting from outlays for implementation of projects referred to Art. 45 clause 1a of the Act;

3.1.1.6.3. the accounting rate, expressed in PLN/MWh and calculated as a single-component, single-zone rate, the same for all receivers of transmission services.

3.1.1.7 The subscription rate is expressed in PLN/MD/month and calculated as single-zone, the same for all receivers of transmission services.

3.1.1.8 Network rates for transmission services are used at MD's for receivers of transmission services at the output bay of the highest voltage switching stations (R or/and R1), or at the lower side of the step down transformer (T). A diagram of an MD is shown in Fig. 1. Location of the MD for each receiver of transmission services is shown in Table 2, item 3.7.

3.1.1.9 Calculation of the fee resulting from the fixed component of the network rate is based on contracted power, which for each MD is ordered by the consumer of transmission services for a tariff period, and its value is written in the contract for providing transmission services.

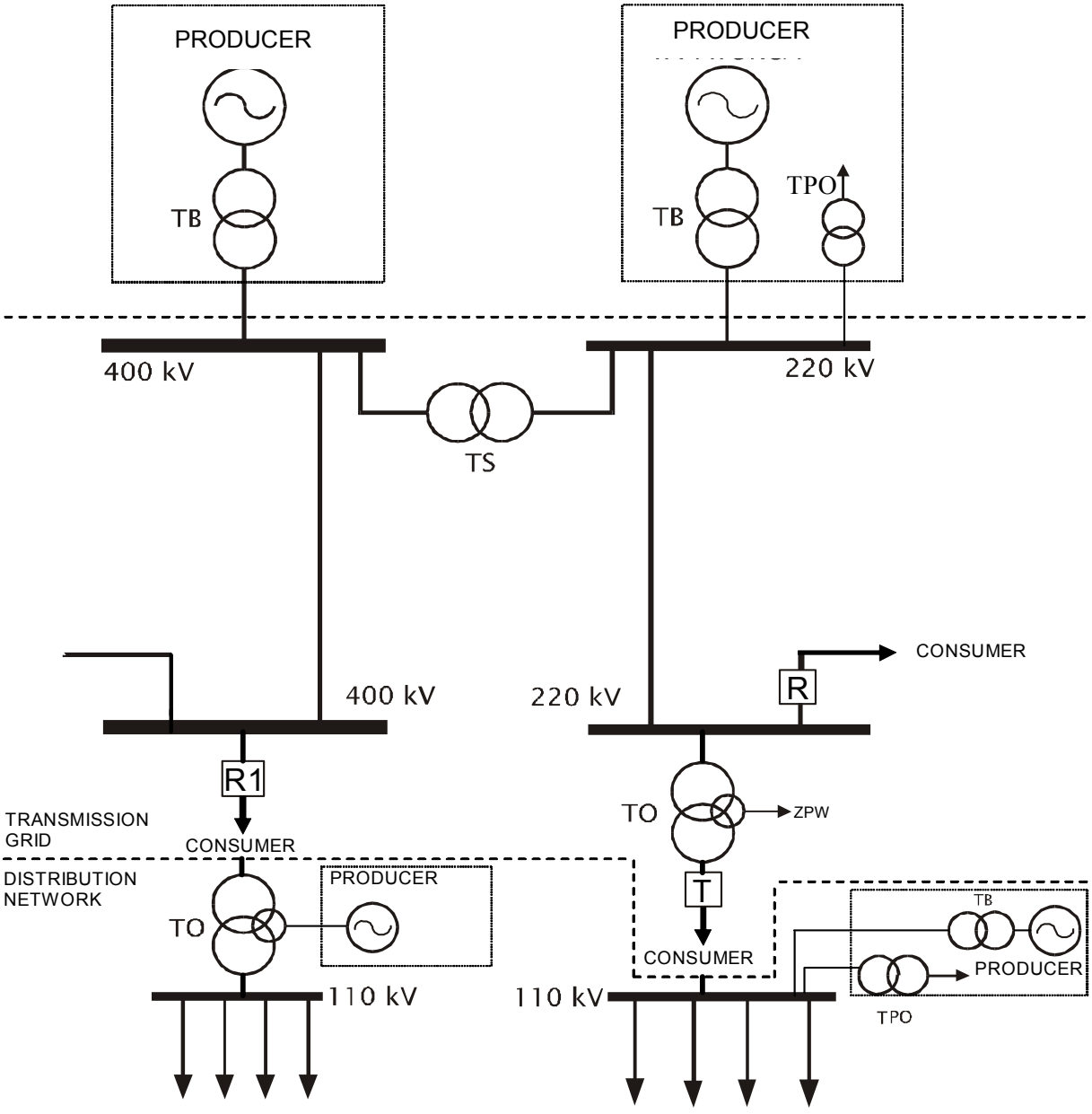
3.1.1.10 Contractual power which constitutes the basis for calculating the fixed component of the transmission fee for the "tariff year" should be ordered by the end of the month of February of each year in which the subsequent "tariff year" begins. In absence of an order or any other written agreement, for the purpose of the settlement the PSE SA shall use the volume of the contractual power as

per the contract for providing transmission services in force on the last day of the month mentioned above.

3.1.1.11 Calculation of the fee resulting from the variable component of the network rate is based on total volume of electric energy taken off during the given month from the transmission grid at all MDs of the transmission service receiver.

Figure 1

POINTS OF DELIVERY OF ELECTRIC ENERGY FOR RECEIVERS OF TRANSMISSION SERVICES THROUGH THE POWER GRID



LEGEND:
R, R1, T – POINTS OF DELIVERY OF ELECTRICAL ENERGY FROM THE TRANSMISSION GRID
TB – POWER UNIT TRANSFORMER
TS – INTERBUSBAR TRANSFORMER
TO – COLLECTOR TRANSFORMER
TPO –PRODUCER'S AUXILIARIES TRANSFORMER
ZPW – STATION'S AUXILIARIES POWER SUPPLY

3.1.1.12 Calculation of the monthly charges resulting from the transmission fee according to the system rate is based on the volume of electric energy taken off by the receiver of the transmission services, and the volume of electric energy sent abroad within the given month according to clause 3.2.1.1.3. The entity which has signed the appropriate contract with PSE SA for providing transmission services, is charged with the system fee for energy sent abroad.

3.1.1.13 Calculation of the monthly charges resulting from the transmission fee according to the system rate is based on the volume of electric energy defined in the hourly schedules for the given month submitted to the transmission system operator, according to the clause 3.2.1.1.4, as well as clauses 3.2.1.2 and 3.2.1.3.

3.1.1.14 The volume of energy in the hourly schedules submitted to the transmission system operator is understood as the volumes of energy approved for realisation by the transmission system operator, as specified in the sales contracts.

3.1.1.15 The contract for providing transmission services specifies the fees for failure to fulfil contract conditions.

3.1.1.16 Measurement charges are stated in PLN/MD/month. The subscription fees are charged monthly in the full amount, regardless of the day of the month on which the contract for providing transmission services was concluded or terminated, or on which the given MD was added/deleted by means of an annex to the aforementioned contract.

3.1.1.17 PSE SA may cease supplies of electric power to a transmission service receiver, in the event where such receiver delays the payment for electric energy taken off from the grid or for transmission services provided by at least one month after the payment deadline, despite previous notice in writing of the intention to terminate the contract, and providing an additional two-weeks' period for payment of arrears and current dues.

3.1.1.18 For exceeding the contractual power by a transmission service receiver specified in the contract for providing transmission services, an additional fee is collected from such receiver in the amount determined from the formula:

$$O_{d,i} = \frac{1}{6} \cdot S_{SVn} \cdot \sum_{j=1}^{l_{MD,i}} \sum_{k=1}^{l_g} \left(P'_{j,k} - P_j \right)$$

where:

$O_{d,i}$ — additional fee for exceeding the contractual power by the i-th transmission service receiver, [PLN];

S_{SVn} — fixed component of the network rate, [PLN/MW/year];

$l_{MD,i}$ — number of transmission service MD's of the i-th receiver, [–];

l_g — time, measured in hours, when the contractual power was exceeded by the given transmission service receiver at the j-th MD;

P_j' — measured power taken off by the given transmission service receiver at the j-th MD, [MW];

P_j — contractual power at the j-th MD of the given receiver, as specified in the contract for providing transmission services, [MW].

In case when a given receiver of transmission services is supplied from more than one MD, for nodes where at the k-th hour the contractual power was not exceeded, $P_j' = P_j$ is assumed.

3.1.1.19 The fee calculated in clause 3.1.1.18 above shall not be charged for a given transmission service receiver, if the contractual power was exceeded at the given MD due to:

a) force majeure;

b) emergency shut-down of at least one MD supplying such transmission service receiver;

c) disconnection of the receiver equipment by order of PSE SA, without the given receiver having previously applied to PSE SA for such disconnection.

3.1.1.20 In consideration for exceeding the contractual power pursuant to conditions set out in clause 3.1.1.18, PSE SA shall issue, after 30 days from notifying the receiver of transmission services about the exceeding, a VAT invoice which will constitute grounds for additional payment for exceeding contractual power, if such entity does not submit an appeal to PSE SA within 30 days from the day of notification by PSE SA on exceeding of the contractual power.

3.1.1.21 If the point of delivery for the receiver of transmission services is located at a low voltage NN/110 kV switching station, where production units are connected to the 110 kV buses, the contractual power, and the exceeding of contractual power are determined with the assumption that one generator is

operating at its technical minimum. In case if more than one generating unit is connected to the buses of a 110 kV switching station, the contractual power is determined with the assumption that one generator connected to the 110 kV buses operates at its technical minimum, whereby that generator is assumed to operate, which has the lowest technical minimum value of all generators connected to buses of the 110 kV switching station. The exceeding of contractual power is calculated as in clause 3.1.1.18. In case if none of the generating units is operating at the 110 kV switching station, the transmission service receiver will be charged with fees for exceeding the contractual power only when the difference between the power taken off from the transmission grid and the lowest value of the technical minimum is higher than the contractual power.

3.1.1.22 The compensation fee, calculated according to the §34 clause 1 of the Tariff Regulation by enterprises involved in electric energy production and distribution which purchase electric power produced in cogeneration with heat, will be paid by PSE SA on the basis of VAT invoices issued by those enterprises in monthly charging periods.

3.1.1.23 The auxiliaries power for the station, and the energy classified as illegal take-off shall not be included in the volume of energy for which the system rate is applied.

3.1.2. Rules of correcting issued invoices

3.1.2.1. In the event if errors are found in the measurement or readout from the measurement-settlement system, which have caused overstatement of amounts payable for the energy taken off, PSE SA shall effect corrections of the involved invoices immediately.

3.1.2.2. The correction of invoice resulting from irregularities being found as mentioned in clause 3.1.2.1, shall cover the entire billing period, or the period in which the observed irregularities or error took place.

3.1.2.3. Settlements in the case of correcting invoices are based on the extent of reading error of the measuring - settlement system.

3.1.2.4. Where it proves unfeasible to estimate the deviation referred to in clause 3.1.2.3, the calculation of the correction amount is based on the average amount of electric energy units for the period of 24 hours calculated on the basis of the sum of electric energy units properly measured by the measuring system in the previous billing period, multiplied by the number of days of the

period covered by the correcting invoice. In establishing the correction amount, the seasonal variability of energy taken off and other substantiated circumstances influencing the volume of electric energy taken off should be taken into account.

3.1.2.5. Where it is unfeasible to determine the average daily consumption of electric energy on the basis of the previous period, the basis for establishing the volume of the correction is the readout of the measuring - settlement system from the next invoicing period.

3.1.2.6. The overpayment resulting from correction of settlements is credited to the account of payments for the nearest invoicing period unless the consumer requires that the amount be repaid.

3.2. Detailed principles of settlements for provision of transmission services

3.2.1. Calculation of the monthly fee for transmission services

3.2.1.1. The monthly fee for transmission services to be paid by the i-th transmission service receiver is calculated according to the formula:

$$O_{poi} = O_{ssi} + O_{szi} + O_{syi} + O_{roi}$$

where:

O_{poi} – transmission fee of the i-th transmission service receiver, expressed in PLN/month;

O_{ssi} – fixed network fee paid by the i-th transmission service receiver, expressed in PLN/month;

O_{szi} – variable network fee paid by the i-th transmission service receiver, expressed in PLN/month;

O_{syi} – system fee for the i-th transmission service receiver, expressed in PLN/month;

O_{roi} – accounting fee for the i-th transmission service receiver, expressed in PLN/month.

3.2.1.1.1. The network fixed fee paid by the i-th transmission service receiver is calculated according to the formula:

$$O_{ssi} = \frac{1}{12} \cdot S_{SVn} \cdot P_i$$

where:

S_{SVn} – fixed component of the network rate [PLN/MW/year];

P_i – contractual power of the i-th transmission service receiver [MW], calculated according to the formula:

$$P_i = \sum_{j=1}^{l_{MD}} P_j$$

where:

P_j – contractual power at the j-th MD of the i-th transmission service receiver;

l_{MD} – number of MDs of the i-th transmission service receiver [-].

3.2.1.1.2. The variable network fee paid by the i-th transmission service receiver is calculated according to the formula:

$$O_{szi} = S_{ZVn} \cdot E_{pi}$$

where:

S_{ZVn} – variable component of the network rate, [PLN/MWh];

E_{pi} – amount of electric energy taken off by the i-th transmission service receiver [MWh], calculated according to the formula:

$$E_{pi} = \sum_{j=1}^{l_{MD}} E_{pj}$$

where:

E_{pj} – amount of electric energy taken off at the j-th MD by the i-th transmission service receiver [MWh];

l_{MD} – number of MDs of the i-th transmission service receiver [-].

3.2.1.1.3. The system fee for the i-th transmission service receiver is calculated according to the formula:

$$O_{syi} = k_{oi} \cdot S_{oS} \cdot E_{oi}$$

where:

k_{oi} – transmission service receiver's factor of participation in covering system costs, set for the given transmission service receiver. Factor values are presented in the Table 3, clause 3.7;

S_{oS} – system rate expressed in PLN/MWh, calculated according to the formula:

$$S_{oS} = S_{oSJ} + S_{oSS} + S_{oSW}$$

where:

S_{oSJ} – quality component of the system rate, [PLN/MWh];

S_{oSS} – compensation component of the system rate, [PLN/MWh];

S_{oSW} – equalising component of the system rate, [PLN/MWh];

E_{oi} – amount of electric energy [MWh] calculated for each transmission service receiver as appropriate, either as:

– taken off by the end consumers connected to the transmission grid; or

– set for the transmission service receivers who are operators of distribution systems, as E_{or} calculated according to the formula:

$$E_{or} = E_{ozr} + E_{osr} + E_{okr}$$

where:

E_{or} – amount of electric energy set for the transmission service receivers who are operators of distribution systems, [MWh];

E_{ozr} – amount of electric energy transmitted abroad through a distribution network operated and maintained by the given distribution system operator, [MWh];

E_{osr} – amount of electric energy taken off by special end consumers connected to a distribution network, which operation and maintenance is being performed by the given distribution system operator, [MWh];

E_{okr} – amount of electric energy taken off by end consumers connected to a distribution network, operated and maintained by the given distribution system operator, [MWh].

3.2.1.1.3.1. The system fee for the energy sent abroad is calculated according to the formula:

$$O_{syi} = k_{oi} \cdot S_{oS} \cdot E_{oi}$$

where:

k_{oi} – transmission service receiver's factor of participation in covering system costs, set for transmission of energy abroad, presented in the Table 3, clause 3.7;

S_{oS} – system rate expressed in [PLN/MWh];

E_{oi} – amount of electric energy sent abroad, [MWh].

3.2.1.1.4. The accounting fee for the i-th transmission service receiver is calculated according to the formula:

$$O_{roi} = S_{pr} \cdot E_{zi}$$

where:

S_{pr} – accounting rate, [PLN/MWh];

E_{zi} – amount of electric energy [MWh] presented in the hourly load schedules, submitted to the transmission system operator, for the m-th month by the i-th transmission service receiver, subject to reservations in clause 3.1.1.14.

3.2.1.2. The monthly transmission fee paid by the i-th producer of electric energy or the i-th supplier of electric energy sent from abroad, is calculated according to the formula:

$$O_{pwim} = S_{pr} \cdot E_{wim}$$

where:

O_{pwim} – transmission fee of the i-th producer of electric energy, or supplier of electric energy sent from abroad in the m-th month, [PLN];

S_{pr} – accounting rate, [PLN/MWh];

E_{wim} – amount of electric energy [MWh] presented in the hourly load schedules, submitted to the transmission system operator for the m-th month by the i-th producer of electric energy or supplier of energy sent from abroad, subject to reservations in clause 3.1.1.14.

3.2.1.3. Monthly transmission fee paid by the i-th enterprise involved in trading in electric energy, which is not connected to the transmission grid, and submits to the transmission system operator hourly schedules load in a given month, is calculated according to the formula:

$$O_{pnim} = 0{,}5 \cdot S_{pr} \cdot (E_{snim} + E_{znim})$$

where:

O_{pnim} – transmission fee of the i-th electric energy trading enterprise in the m-th month, [PLN];

S_{pr} – accounting rate, [PLN/MWh];

E_{snim} – amount of electric energy [MWh] defined as taken off in the hourly load schedules submitted to the transmission system operator for the m-th month, subject to reservations in clause 3.1.1.14.

E_{znim} – amount of electric energy [MWh] defined as supplied in the hourly load schedules submitted to the transmission system operator for the m-th month, subject to reservations in clause 3.1.1.14.

3.2.2. Calculation of monthly subscription fee

3.2.2.1. The monthly subscription fee is calculated according to the formula:

$$O_{abi} = S_{ab} \cdot l_{MD,i}$$

where:

O_{abi} – subscription fee of the i-th transmission service receiver, expressed in PLN/month;,

S_{ab} – subscription rate, [PLN/MD/month],

$l_{MD,\ i}$ – number of MD's of the i-th transmission service receiver, according to the Tables 1 and 2.

3.3. Compensations and discounts for failure to comply with customer service quality standards

3.3.1. Compensations and discounts for failure to comply with customer service quality standards are applicable to a transmission service receiver, in the case if such receiver was taking off power not higher than his contractual power at the tgφ factor not higher than 0.4.

3.3.2. Compensations and discounts for failure to comply with customer service quality standards set forth in the contract for providing transmission services, in the electric energy sales contract, or in the Tariff, are applicable for the transmission service receivers upon their request.

3.3.3. PSE SA is obliged to consider a request for granting a discount within 30 days from receipt thereof from a transmission service receiver.

3.3.4. For every unit of electric energy not supplied, a transmission service receiver is entitled to a rebate in the amount of five time the price of electric energy stated in the clause 4.2.1, for the period when the interruption occurred. The amount of energy not supplied on the date when the interruption occurred is determined on the basis of consumption of electric energy on the corresponding day of the previous week, taking into account the time of allowable interruptions stated in the connection agreement, contract for providing transmission services, or electric energy sales contract.

3.3.5. The volume of compensation and rebate for not maintaining the voltage level for a given period of a day, depending on the extent of deviation of voltage from the allowed limit values, is calculated according to the following formulae:

3.3.5.1. If the value of deviation of voltage from the allowed limit does not exceed 10%, the transmission service receiver is entitled to receive a discount calculated as:

$$W_{UT} = \left(\frac{U}{10\%} \right)^2 \cdot A_T \cdot C_T$$

where:

W_{UT} – discount for the transmission service receiver for a given period of the day, [PLN];

U – value of the voltage deviation from the allowed limit [%];

A_T – amount of electric energy supplied to the transmission service receiver during the given period of a day, expressed in units of energy;

C_T – price of electric energy determined according to clause 4.2.1 of the Tariff for the given period of the day when voltage deviation exceeding the limit values occurred, expressed in PLN per unit of energy.

3.3.5.2. If the value of voltage deviation exceeds 10% of the allowed limits, the transmission service receiver is entitled to receive a discount including the rebate, in the total amount of:

$$W_{UT} = A_T \cdot C_T + b_{rT} \cdot t_T$$

where:

W_{UT} – discount for the transmission service receiver for a given period of a day, [PLN];

A_T – amount of electric energy supplied to the transmission service receiver during the given period of the day, when voltage deviation exceeding the limit values occurred, expressed in the units of energy;

C_T – price of electric energy determined according to clause 4.2.1 of the Tariff for the given period of the day when voltage deviation exceeding the limit values occurred, expressed in PLN per unit of energy;

b_{rT} – lump rate of compensation for not maintaining the voltage level within allowable limits, expressed in PLN per time unit, equal to 100 PLN/h;

t_T – total time of not maintaining the voltage level within the allowable limits, [h].

3.3.6. In case of failure to comply with customer service quality standards, the amounts of fees, unless otherwise stated in the electric energy sales contract or contract for providing transmission services, are determined as follows:

3.3.6.1. for not accepting information or claims from a consumer: PLN 15.18;

3.3.6.2. for unjustified delay in removing disturbances in supplying electric energy, caused by improper network operation: PLN 75.91;

3.3.6.3. for refusal to provide consumers, upon their request, with the information regarding expected time of resumption of electric energy supplies interrupted due to network failure: PLN 7.59;

3.3.6.4. for failure to notify transmission services receivers connected to networks of nominal voltage level higher than 1 kV, in the form of individual notice — in writing, by telephone or another means of telecommunication, at least five days in advance, about time and duration of planned interruptions in the electric energy supply: PLN 151.83;

3.3.6.5. for failure to notify transmission services receivers connected to networks of nominal voltage level higher than 1 kV, about planned changes of settings in the automatic protection facilities and other parameters affecting the operational use of the network: PLN 75.91;

3.3.6.6. for failure to notify transmission services receivers connected to networks of nominal voltage level higher than 1 kV at least three years in advance about the necessity to adjust their installations to changed nominal voltage, increased level of short circuit power, and other parameters effecting network operation: PLN 151.83;

3.3.6.7. for unjustified refusal to perform, at a charge, adequate actions in the network, in order to enable the transmission services receivers or other entities to perform works within the network: PLN 75.91;

3.3.6.8. for failure to provide transmission services receivers with information regarding the principles of invoicing and tariffs in force: PLN 7.59;

3.3.6.9. for exceeding the 14-day period for considering a transmission service receiver's application or claim regarding the principles of invoicing and providing responses – for each day of delay: PLN 2.28.

3.4. Charges for illegal take off of electric energy

3.4.1. In case of illegal take off of electric energy from the transmission network without concluding a contract for providing transmission services or electric energy sales contract, for each unit of electric energy thus taken off, PSE SA charges the transmission service receiver with fees for electric energy illegally taken off, in the amount of five times the price of electric energy and transmission fee rates stated in clause 3.6.1 and 4.2.1 of this Tariff, for the relevant group of transmission service consumers. The basis for calculating charges is the actually measured volume of electric energy during the period when the illegal consumption occurred. The tariff carrier for the fixed component is the connection power as specified in the connection contract.

3.4.2. In case of illegal feed of electric energy into the transmission network without concluding a contract for providing transmission services or an electric energy sales contract, for each unit of electric energy thus fed in, PSE SA charges the supplier

with fees for illegally fed in electric energy in the amount of five times of the price of electric energy stated in the clause 3.6.3 of this Tariff. It is assumed that the volume of electric energy being the basis for calculating the above fees, is the actual, measured amount of electric energy during the period when the illegal supply occurred, or resulting from multiplying the connection power and time of illegal supply.

3.4.3. In case when a transmission service receiver takes off electric energy in breach of conditions of the sales contract, agreement on connecting to the network, or transmission service contract, for each unit of electric energy and active power thus taken off, PSE SA charges the transmission services receiver with fees in the amount of twice the price of electric energy and transmission fee rates stated in the clause 3.6.1 and 4.2.1 of this Tariff. Charges are calculated for each month, when taking off electric energy not in accordance with the contract occurred. The basis for calculating charges is the actually measured amount of electric energy during the period when the illegal consumption occurred. The tariff carrier for the fixed component is the connection power specified in the connection contract.

3.4.4. Fees referred to in the clauses 3.4.1-3.4.3 are calculated for the whole proven period of taking off or feeding in electric energy not subject to time limitation.

3.5. Principles of calculating fees for connecting to the network

3.5.1. Fees for connecting to the transmission grid

3.5.1.1. Charge rates for connecting to the grid are applied for entities connected to the transmission grid on the basis of their connection contract.

3.5.1.2. Charges for connecting to the transmission grid are calculated according to the following rules.

3.5.1.2.1. For entities which do not have their own generation units.

The calculation of the fee for connection to the grid is based on the basic rate of fee for connection, and a set of calculation factors, which assess the elements of service lines and elements of network with respect to this rate. The base rate is a single-component rate, and is expressed in PLN per km.

The base rate of fee for connection is determined on the grounds of one fourth of the average annual capital outlays for construction of a 1 km segment of a single route 400 kV line. A detailed list of all elements of the connections and networks, and calculation factors which rate the elements of the connection and the network related to the unit cost of line, is presented in the *Catalogue of Connection Elements*. The Catalogue is available at the PSE SA department dealing with tariffs issues.

3.5.1.2.2. For entities which have their own generation units.

The fee for connecting to the transmission grid is determined individually, on the grounds of the total capital outlays necessary to connect the subject to the transmission grid. The capital outlays are determined in the contract for connecting to the transmission grid.

3.5.1.3. The connection fee for entities which do not have their own production units is calculated as follows: on the grounds of an application for connecting to the transmission grid, in agreement with the applicant, and after performing analyses as necessary, the following are determined: type of connection, type of elements included in the connection and protection system, as well as the necessary development of the network including the scope of the capital project comprising the general infrastructure related to the connection. Components thus determined, with consideration to the calculated evaluating factors Av, Az, Bv and Cv, referred to in the clause 3.5.1.2.1, are re-calculated into the basic components of the connection. The sum of the basic components of the connection represents the scope of the connection, including components of switching station, service line, and transformers.

3.5.1.4. The connection fee mentioned in clause 3.5.1.3 is determined from the formula:

$$O_{ps} = S_l\left[\left(k_{io} + k_{ij}\right)\cdot\left(\sum_{i=1}^{p}\left(np_i \cdot Az_i\right) + \sum_{i=1}^{l}\left(n_i \cdot Av_i\right)\right) + k_{ut}\cdot\sum_{i=1}^{m}\left(d_i \cdot Cv_i\right) + \sum_{i=1}^{n}\left(m_i \cdot Bv_i\right)\right] + k_d$$

where:

S_l – basic rate related to the line segment unit length, [PLN/km];

k_{io} – general infrastructure factor [–];

k_{ij} – quality infrastructure factor [–];

Av – switching station elements rating calculation factor [km/item];

Az – protection system rating calculation factor, [km/piece];

k_{ut} – area difficulty factor [–];

Cv – line segments rating calculation factor [–];

Bv – transformers rating calculation factor, [km/item];

p – the number of terminals used for effecting user's connection, [–];

np_i – the number of terminals, for which the same calculation factor Az evaluating types of protections is used [pieces];

l – the number of connection elements used for building the user's connection, [–];

n_i – the number of connection elements, for which the Av type factor is used (elements in the switching station) [pieces];

m – the number of electric power lines built for the purpose of development of the network of the same voltage as the voltage of connection [–];

d_i – the length of the i-th transmission line, measured from the point of separation of the ownership of the installation, equipment or network, for which the Cv type factor is applied, [km];

n – the number of transformers installed for the purpose of development of the network of the same voltage as the voltage of connection [–];

m_i – the number of connection elements, for which the Bv type factor is used (transformers) [items];

k_d – other outlays incurred in relation with the performance of technical design and land survey works, clearance of documentation, obtaining construction permits, and as fees relating to the occupation of land. These outlays are determined individually depending on location and activities undertaken within the framework of the project, and are calculated on the basis of one forth of the actual outlays born by PSE SA for the accomplishment of the a/m activities.

3.5.1.5. The fee for an entity being connected which does not have own generation units, in consideration for construction of segments of network and stations serving the purpose of connecting such entities, and those determined in the development plan, is calculated pursuant to principles set forth in clauses 3.5.1.3 and 3.5.1.4.

3.5.1.6. In case when construction of a connection utility or development of network, to such extent as is necessary for connecting an entity not having own generation units, is not set in the plan, the fee for connection is calculated on the grounds of individual, actual outlays for erection of the connection utilities, on terms set forth in the connection agreement.

3.5.1.7. In case when implementation of the application for connecting a entity not having own generation units requires application of elements of the connecting utility and network other than those listed in the Catalogue of Connection Elements, and the capital outlays involved in making the connection are determined in the development plan, the fee for connecting is determined on the basis of one fourth of the actual average annual capital

outlays, or on conditions set forth in the connection agreement, subject to reservations of clause 3.5.1.5.

3.5.1.8. Rates of fees and calculated rating factors are in force for equipment capable to withstand short circuit currents: 50 kA for 400 kV equipment, and 40 kA for 220 kV and 110 kV equipment.

3.5.1.9. PSE SA collects the fee for issuing conditions of connecting to the transmission grid at the moment of issuing the conditions of connecting to the transmission grid. In case of entity not having generation units, thefee is equal to 10% of the fee for connecting to the transmission grid, calculated according to the principles set forth in clauses 3.5.1.3 and 3.5.1.4, and according to the rates and factors set forth in clause 3.5.2; for all other entities it is equal to 10% of the capital layout value as referred to in clause 3.5.1.2.2.
In case of completing the connection to the transmission grid according to the connection conditions issued, the fee for issuing the conditions of connecting is credited towards the fee for connecting to the grid.
In case when a entity renounces the signing of the connection agreement after conditions of connecting to the transmission grid are issued, that entity receives repayment of the paid fee, decreased by the costs incurred by PSE SA in relation to consideration of the application for connection.

3.5.1.10. The fee for connecting a entity which does not have its own generation units may be calculated on the basis of rates and principles set forth herein, or on the basis of one fourth of the actual outlays made for the construction of the connection utility. The method of calculating the fee for connecting is determined in the connection agreement.

3.5.1.11. The signing of the agreement on connecting to the transmission grid constitutes the grounds for commencing the performance of engineering design works, as well as assembly and construction works, and their financing by the parties pursuant to the rules set forth in that agreement (including provision by the entity to be connected to the grid of financial security as required by PSE SA).

3.5.1.12. An entity which withdraws from the existing connection utility covers the total cost of construction of the connecting utility, and total costs of removal of the connecting utility, decreased by fees for connecting paid to PSE SA.

3.5.1.13. An entity which with withdraws from connecting after signing the agreement for connecting, pays a oneoff fee in the amount covering total costs incurred by PSE SA in relation with the construction of the connecting utility, including financial costs and possible costs of terminating contracts with

contractors, incurred by PSE SA by the day of withdrawal, and the total costs of removal of existing components of connection utilities.

3.5.2. Rates of fees for connecting to the transmission grid

3.5.2.1. The rates are applicable to entities which apply for connection to the power grid, or which intend to change the existing conditions of connection.

3.5.2.2. The base rate of the fee for connection, mentioned in clause 3.5.1.2.1 is:

Rate of fee	Net
S_l [PLN/km]	28,6 573 0

3.5.2.3. Calculation factors Av, Az Bv & Cv, which rate the components of connection utilities and networks, used for calculating the fee for connection, are determined on the basis of average annual capital outlays for the construction of each component of the connection utility.

Av factors to rate components of a switching station [km/item]			
Elements of switching station	**400 kV**	**220 kV**	**110 kV**
Breaker switch	0.453254	0.255470	0.121142
Disconnector	0.153282	0.060983	0,036260
Disconnector with 1 earthing blade	0.194487	0.073345	0.046149
Disconnector with 2 earthing blades	0.224155	0.085706	00.55215
Earthing switch	0.081586	0.039557	0.023487
Single phase current transformer	0.080762	0.053566	0.031316
Single phase voltage transformer	0.082410	0.048622	0.029668
Combined transformer (u, i)	0.142569	0.101364	0.046974
Single phase lightning arrester	0.039557	0.017306	0.009889

Az factors to rate types of protection [km/item]			
Type of connection	**400 kV**	**220 kV**	**110 kV**
Feeder bay	0.824098	0.815857	0.387326
Transformer bay	0.782893	0.774652	0.477977
Unit feeder bay	0.884138	0.884138	–
Coupling bay	0.741688	0.815857	0.370844
Protection of collector bus bars and URW*)	Actual costs		

*) for protection systems of collector bus bars, and disconnector reserve system (URW) typical figures are not applied due to the unique nature of solutions.

Bv factors to rate transformers [1/km]	
400/110 kV, 330 MVA	10.008301
400/220 kV, 500 MVA	13.256936
400/220 kV, 500 MVA with bias control	19.073750
220/110 kV, 160 MVA	4.715591

Cv factors to rate lines	**without optical waveguide**	**with optical waveguide**
Single route line 400 kV	1.000000	1.31728
Double route line 400 kV	1.666666	1.698394
Single route line 220 kV	0.716666	0.748394
Double route line 220 kV	1.166666	1.198394

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

Optical waveguide line in lightning protector cable	0.031728

General infrastructure factor		Area difficulty factor	
Connection power P (at cos φ=1) [MW]	**k_{io} [–]**	**Area type[1)]**	**k_{ut} [–]**
up to 160	3.25	Easy	1
160 ÷ 320	2.86	Medium difficulty	1.5
above 320[2)]	2.5–0.005*(P–320)/10	Difficult	1.8

1) a difficult area for the line route is considered to be the crossing of a river or lake, as well as mountainous or swampy area.

2) The k_{io} factor is changed every 10 MW above 320 MW of connected power. The minimum value of this factor is 2.0. In case when the short circuit power required by the connected entity at the point of connection is higher than the short circuit power determined for normal configuration of the transmission grid, the k_{io} factor is increased by the value of the quality infrastructure factor k_{ij} determined from the formula:

$$k_{ij} = 1 - \frac{S_{za}}{S_{zw}}$$

where:

k_{ij} – quality infrastructure factor;

S_{za} – short circuit power determined for normal configuration of the grid, [GVA];

S_{zw} – short circuit power required at the point of connection, [GVA].

3.6. Rates of fees and prices of electric energy

3.6.1. Rates of fees of transmission services

3.6.1.1. Network rates

3.6.1.1.1. Fixed component of the network rate

Rate of fee	Net	VAT	Gross
S_{svn} [PLN/MW/year]	72,901.04	16,038.23	88,939.27

3.6.1.1.2. Variable component of the network rate

Rate of fee	Net	VAT	Gross
S_{zvn} [PLN/MWh]	3.40	0.75	4.15

3.6.1.2. System rates

Rate of fee	Net	VAT	Gross
S_{os} [PLN/MWh]	36.87	8.11	44.98

3.6.1.2.1. Quality component of the system rate

Rate of fee	Net	VAT	Gross
S_{oSJ} [PLN/MWh]	11.20	2.46	13.66

3.6.1.2.2. Compensational component of the system rate

Rate of fee	Net	VAT	Gross
S_{oSS} [PLN/MWh]	1.67	0.37	2.04

3.6.1.2.3. Equalising component of the system rate

Rate of fee	Net	VAT	Gross
S_{oSW} [PLN/MWh]	24.00	5.28	29.28

3.6.1.3. Accounting rate

Rate of fee	Net	VAT	Gross
S_{pr} [PLN/MWh]	0.30	0.07	0.37

3.6.2. Subscription rate

Rate of fee	Net	VAT	Gross
S_{ab} [PLN/MD/month]	4,300.50	946.11	5,246.61

3.6.3. Annual price of energy, C_{or}

The annual energy price as referred to in § 31 clause 2 and § 34 clause 1 of the Tariff Regulation, used for invoicing between the enterprises involved in transmission and distribution of electric energy, purchasing electric energy produced in cogeneration with heat on one side, and the transmission system operator on the other side, for the purpose of calculating the compensation fee.

Rate of fee	Net	VAT	Gross
C_{or} [PLN/MWh]	120.00	26.40	146.40

3.7. Tables 1, 2, 3

Table No. 1. List and codes of all consumers of transmission services

Consumer's code	Names of transmission service consumers
D01	STOEN SA
D02	ZAKŁAD ENERGETYCZNY WARSZAWA TEREN SA
D03	ŁÓDZKI ZAKŁAD ENERGETYCZNY SA
D04	ZAKŁAD ENERGETYCZNY ŁÓDŹ TEREN SA
D05	ZAKŁAD ENERGETYCZNY PŁOCK SA
D06	ZAKŁAD ENERGETYCZNY BIAŁYSTOK SA
D07	LUBELSKIE ZAKŁADY ENERGETYCZNE „LUBZEL" SA
D08	ZAMOJSKA KORPORACJA ENERGETYCZNA SA
D09	RZESZOWSKI ZAKŁAD ENERGETYCZNY SA
D10	ZAKŁADY ENERGETYCZNE OKREGU RADOMSKO–KIELECKIEGO S.A.
D11	ZAKŁAD ENERGETYCZNY CZ STOCHOWA SA
D12	BESKIDZKA ENERGETYKA SA
D13	GÓRNOSLASKI ZAKŁAD ELEKTROENERGETYCZNY SA
D14	BEDZI SKI ZAKŁAD ELEKTROENERGETYCZNY SA
D15	ZAKŁAD ENERGETYCZNY OPOLE SA
D16	ZAKŁAD ENERGETYCZNY KRAKÓW SA
D17	ZAKŁAD ENERGETYCZNY TARNÓW SA
D18	ENERGETYKA KALISKA SA
D20	ZAKŁAD ENERGETYCZNY JELENIA GÓRA SA
D21	ZAKŁAD ENERGETYCZNY WROCŁAW SA
D22	GRUPA ENERGETYCZNA ENEA SA
D24	ZAKŁAD ENERGETYCZNY WAŁBRZYCH SA
D26	ZAKŁAD ENERGETYCZNY LEGNICA SA
D27	ELBLASKIE ZAKŁADY ENERGETYCZNE SA
D28	ZAKŁAD ENERGETYCZNY TORU SA
D30	ZAKŁAD ENERGETYCZNY SŁUPSK SA
D31	GDA SKA KOMPANIA ENERGETYCZNA SA
D32	ZAKŁAD ENERGETYCZNY SA W OLSZTYNIE
D33	ZAKŁAD ENERGETYCZNY KOSZALIN SA
D34	HUTA STALI Sp. z o.o.
D35	HUTA „ZAWIERCIE" S.A.
D36	ZAKŁADY KOKSOWNICZE „PRZYJAZŃ"
D00	Electric Energy Trading Enterprise
W00	Producer of Electric Energy
I00	Supplier of Electric Energy from Abroad

Within the meaning of the Tariff, the receivers of transmission services themarked by the codes D01 to D33 are deemed to be distribution system operators.

Table No. 2. Points of supply of electric energy from the transmission grid (MD) assigned to receivers of transmission services

Consumer's code	Centre name	MD
D01	Mory	T
D01	Mory (Towarowa)	R
D01	Mościska	T
D02	Piaseczno	T
D02	Ostrołęka	R1
D02	Miłosna	T
D03	Pabianice	T
D03	Janów	T
D03	Zgierz	T
D04	Piotrków	T
D04	Sochaczew	T
D04	Rogowiec	R
D04	Trębaczew	T
D05	Płock	T
D05	Podolszyce	T
D06	Ełk	T
D06	Narew	T
D07	Abramowice	T
D07	Lublin	T
D07	Puławy	R1
D08	Zamość	T
D08	Mokre	T
D08	Chełm	T
D09	Rzeszów	T
D09	Boguchwała	T
D09	Połaniec	T
D09	Chmielów	T
D09	Stalowa Wola	R1
D09	Krosno Iskrzynia	T
D10	Kozienice	T
D10	Rożki	T
D10	Kielce Piaski	T
D10	Radkowice	T
D10	Ostrowiec	T
D11	Wrzosowa	T

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

D11	Aniołów	T
D12	Komorowice	T

Consumer's code	Centre name	MD
D12	Poręba	T
D13	Kopanina	T
D13	Halemba	R1
D13	Moszczenica	T
D13	Bieruń	T
D13	Wielopole	T
D13	Katowice	T
D13	Rokitnica	T
D13	Czeczot	R1
D14	Tucznawa	T
D14	Jamki	T
D14	Łagisza	T
D14	Łośnice	T
D14	Siersza	R1
D15	Groszowice	T
D15	Blachownia	R1
D15	Kędzierzyn	R1
D15	Dobrzeń	T
D16	Lubocza	T
D16	Wanda	T
D16	Skawina	R1
D17	Klikowa	T
D17	Klikowa	R
D17	Tarnów	T
D18	Pątnów	T
D18	Adamów	T
D18	Konin	R1 (T)
D18	Ostrów	T
D20	Mikułowa	T
D20	Cieplice	T
D21	Pasikurowice	T
D21	Klecina	T
D22	Gorzów	T
D22	Plewiska	T
D22	Krzewina	T
D22	Czerwonak	T

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

D22	Poznań Południe	T
D22	Leszno	T
D22	Dolna Odra	R1
D22	Morzyczyn	T

Consumer's code	**Centre name**	**MD**
D22	Glinki	T
D22	Police	R1
D22	Leśniów	T
D22	Jasiniec	T
D22	Bydgoszcz Zachód	T
D24	Świebodzice	T
D24	Boguszów	T
D24	Ząbkowice	T
D26	Czarna	T
D26	Polkowice	T
D26	Żukowice	T
D28	Włocławek Azoty	T
D28	Toruń Elana	T
D28	Grudziądz	T
D30	Żydowo	T
D30	Słupsk	T
D31	Gdańsk Błonia	T
D31	Żarnowiec	T
D31	Gdańsk	T
D32	Olsztyn Mątki	T
D32	Olsztyn	T
D33	Dunowo	T
D34	Huta Stali	R1
D35	Huta „Zawiercie"	R1
D36	Zakłady Koksownicze „Przyjaźń"	R1

Table No. 3. Factor of participation in covering the system costs

Title / Consumer's code	value of k_{oi} factor
Energy sent abroad	0.10000
Special end consumer	0.10000
End consumer	1.09755
D01	1.09755
D02	1.09755
D03	1.09755
D04	1.09755
D05	1.09755
D06	1.09755
D07	1.09755
D08	1.09755
D09	1.09755
D10	1.09755
D1	1.09755
D12	1.09755
D13	0.95092
D14	0.98071
D15	1.09755
D16	1.09755
D17	1.09755
D18	0.83368
D20	1.09755
D21	1.09755
D22	1.09755
D24	1.09755
D26	1.09755
D27	1.09755
D28	1.09755
D30	1.09755
D31	1.09755
D32	1.09755
D33	1.09755
D34	1.09755
D35	1.09755
D36	1.09755

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

4. PRICES AND RATES OF FEES, AND CONDITIONS OF APPLICATION THEREOF FOR TRADING IN ELECTRIC ENERGY

4.1. Principles of settlements for electric energy

4.1.1. Time zones

Settlements for electric energy supplied are made for three time zones of the day, of different duration in the autumn - winter season (winter), and in the spring - summer season (summer), as in the following table:

Time zones		Hours of day zones	
		from 1-st April to 30-th September	from 1-st October to 31-st March
		SUMMER	WINTER
1.	Morning peak	$7^{00} – 13^{00}$	$7^{00} – 13^{00}$
2.	Afternoon peak	$19^{00} – 22^{00}$	$16^{00} – 21^{00}$
3.*)	Remaining hours of the day	$13^{00} – 19^{00}$ $22^{00} – 7^{00}$	$13^{00} – 16^{00}$ $21^{00} – 7^{00}$

*) Holidays, Saturdays and Sundays are counted entirely as day-zone 3.

4.1.2. Terms of applicability of prices, fees and discounts for electric energy trading

4.1.2.1. The Tariff is applied for the customers, who buy electric energy from PSE SA in the amount of MIE, listed in the Table 4, clause 4.3.

4.1.2.2. Physical take off of electric energy takes place at the MDs specified in the contract for providing transmission services.

4.1.2.3. For sales of MIE, prices of electric energy are applied, in division into three zones of a day, as stated in the clause 4.2.1.

4.1.2.4. For sales of electric energy to distribution companies, rebates are applied due to settlements of so called employees' tariff, whose rates for each distribution company are presented in clause 4.2.3. Monthly rebate rates are applied in the case of purchase of electric energy in the volume not smaller than MIE.

4.1.2.5. For the purpose of making settlements of electric energy supplied, additionally a subscription rate is applied, calculated for one MD, expressed in PLN/MD/month, and set forth in clause 4.2.2. The monthly subscription fee for given customer is the product of the aforementioned rate and the number of

this customer's MDs specified in the contract, according to the Table 2, clause 3.7.

4.1.2.6. In consideration for failure to comply with customer service quality standards when making settlements for electric energy supplied, PSE SA grants rebates and discounts according to clause 3.3 of the Tariff.

4.1.2.7. Fees due to failure to fulfil contract conditions are specified in the electric energy sales contract between the customer and PSE SA.

4.1.2.8. Billing periods and payment conditions are set forth in the electric energy sales contract. In sales of MIE, these periods should not be longer than ten days.

4.1.2.9. For exceeding the payment due date, legal interests are charged for each day of default.

4.1.3. Principles of scheduling minimum volume of energy (MIE)

4.1.3.1. MIE volumes for each distribution company for each month and day zone as stated in Table No. 4, are not subject to adjustment during the binding PSE SA Tariff remaining in force, unless otherwise decided by the Chairman of URE (Energy Regulatory Office).

4.1.3.2. Supply of MIE for each hour of a given month is performed in accordance with commercial schedules prepared on the basis of the graphs of total demand for electric energy during the tariff year for each distribution company. Commercial schedules are incorporated in energy sales contracts.

4.1.3.3. It is possible to modify MIE commercial schedules (referred to in clause 4.1.3.2) within the limits of monthly volumes stated in the Tariff for each day zone (Table No. 4). The corrections of the hourly distribution of MIE must be comprised in the range of +/–5% in relation to the volume for the given hour resulting from the commercial schedule prepared according to clause 4.1.3.2. Corrections of the energy volume for a given hour of a month must be compensated by accompanying changes of volume for another hour of the same zone of this month. This means that the corrected schedule must not at any hour differ more than +/–5% in relation to the commercial schedule prepared according to the clause 4.1.3.2.

4.1.3.4. The correction of MIE commercial schedule may be submitted to the PSE SA commercial operator at latest by 12 o'clock noon on the day n–2 before the day n to which it relates.

4.1.3.5. The correction of MIE commercial schedule confirmed by the PSE SA's commercial operator, will be the basis for submitting energy sales contract to the transmission system operator on the day n–1 by the parties of the energy sales contract.

In case of non-acceptance, by the PSE SA's commercial operator, of the schedule correction as put forward by a distribution company, the MIE commercial schedule prepared according to the clause 4.1.3.2 remains in force. The PSE SA commercial operator must not refuse the MIE commercial graph correction as requested, if the correction satisfies the formal requirements set forth in the clause 4.1.3.3.

4.2. Prices, rates, and discounts for trading electric energy

4.2.1. Prices of electric energy

Zones of day		Prices in PLN/MWh		
		Net price	**VAT**	**Gross price**
1.	morning peak	**145.66**	**32.05**	**177.71**
2.	afternoon peak	**225.43**	**49.59**	**275.02**
3.	Remaining hours of the day	**98.50**	**21.67**	**120.17**

4.2.2. Measurement rate

Fee rate	Net	VAT	Gross
S_{ab} [PLN/MD/month]	524.42	115.37	639.79

4.2.3. Rebates due to settlements of so called "employee tariff"

Monthly rates of compensation applicable upon the amount due for electric power.

Consumer's code	Distribution companies	Net rebate rate	VAT	Gross discount rate
		PLN/month	PLN/month	PLN/month
D01	STOEN Stołeczny ZE SA	273,361	52,219	289,580
D02	ZE Warszawa Teren SA	234,499	51,150	283,649
D03	Łódzki ZE SA	290,048	56,991	316,039
D04	ZE Łódź Teren SA	199,032	39,585	219,517
D05	ZE Płock SA	98,134	21,589	119,723
D06	ZE Białystok SA	104,498	22,990	127,488
D07	Lubelskie ZE LUBZEL SA	105,906	23,299	129,205
D08	Zamojska KE SA	78,396	17,247	95,643
D09	Rzeszowski ZE SA	249,093	54,800	303,893
D10	ZEORK SA	274,545	60,400	334,945
D11	ZE Częstochowa SA	110,736	24,362	135,098
D12	Beskidzka Energetyka SA	147,661	32,485	180,146
D13	Górnośląski ZE SA	494,549	108,801	603,350
D14	Będziński ZE SA	330,164	72,636	402,800
D15	ZE Opole SA	135,780	29,872	165,652
D16	ZE Kraków SA	354,839	78,065	432,904
D17	ZE Tarnów SA	84,961	18,691	103,652
D18	Energetyka Kaliska SA	337,698	74,294	411,992
D20	ZE Jelenia Góra S.A.	153,444	33,758	187,202
D21	ZE Wrocław SA	298,952	65,769	364,721
D22	ENEA SA	634,999	139,700	774,699
D24	ZE Wałbrzych S.A.	72,204	15,885	88,089
D26	ZE Legnica S.A.	32,801	7,216	40,017
D27	Elbląskie ZE SA	29,305	6,447	35,752
D28	ZE Toruń S.A.	67,253	14,796	82,049
D30	ZE Słupsk S.A.	42,657	9,385	52,042
D31	ENERGA Gdańska KE SA	202,502	44,550	247,052
D32	ZE SA w Olsztynie	32,872	7,232	40,104
D33	ZE Koszalin S.A.	33,880	7,454	41,334

4.3. Tables 4, 5

Table No 4. Minimum volumes of electric energy assigned to customers buying electric energy from PSE SA (distribution companies)

Minimum volumes of electric energy divided into zones, in MWh														
Consumer code	**Specification**	**VII**	**VIII**	**IX**	**X**	**XI**	**XII**	**I**	**II**	**III**	**IV**	**V**	**VI**	**from VII '2003 to VI 2004**
		2003	**2003**	**2003**	**2003**	**2003**	**2003**	**2004**	**2004**	**2004**	**2004**	**2004**	**2004**	
D01	**STOEN SA**	**227,934**	**221,894**	**241,327**	**288,857**	**295,160**	**340,329**	**346,629**	**296,735**	**300,936**	**256,295**	**232,925**	**232,136**	**3,281,157**
	zone 1	49,505	45,039	52,238	61,305	56,457	65,635	68,026	59,735	64,331	53,418	46,718	49,619	672,026
	zone 2	24,021	22,164	27,337	51,340	49,801	57,528	58,627	50,855	54,830	26,520	22,046	22,849	467,918
	zone 3	154,408	154,691	161,752	176,212	188,902	217,166	219,976	186,145	181,775	176,357	164,161	159,668	2,141,213
D02	**ZE Wa–wa Teren SA**	**211,463**	**208,315**	**211,351**	**254,313**	**270,450**	**291,598**	**306,065**	**264,329**	**269,894**	**232,609**	**221,480**	**208,329**	**2,950,196**
	zone 1	42,081	42,121	42,293	51,117	51,115	48,114	58,152	49,932	51,145	42,614	41,616	36,219	556,519
	zone 2	21,569	22,924	24,485	47,048	49,763	45,635	54,878	46,416	46,206	24,075	22,458	20,174	425,631
	zone 3	147,813	143,270	144,573	156,148	169,572	197,849	193,035	167,981	172,543	165,920	157,406	151,936	1,968,046
D03	**Łódzki ZE SA**	**105,060**	**107,449**	**120,549**	**142,261**	**154,343**	**163,924**	**171,589**	**155,490**	**155,646**	**130,146**	**114,869**	**107,714**	**1,629,040**
	zone 1	23,918	21,699	26,568	31,341	28,832	31,507	33,589	30,954	32,987	27,538	23,475	23,602	336,010
	zone 2	11,107	10,640	14,038	26,927	26,147	28,217	29,688	26,791	28,550	14,052	11,327	10,804	238,288
	zone 3	70,035	75,110	79,943	83,993	99,364	104,200	108,312	97,745	94,109	88,556	80,067	73,308	1,054,742
D04	**ZE Łódź Teren SA**	**134,659**	**132,464**	**139,006**	**149,120**	**148,478**	**157,511**	**156,625**	**135,143**	**148,637**	**134,385**	**129,206**	**126,189**	**1,691,423**
	zone 1	25,746	22,553	26,642	28,991	24,856	28,064	27,776	24,774	29,020	25,046	22,141	22,964	308,573
	zone 2	12,069	11,088	13,945	24,164	21,747	25,152	24,414	20,864	26,072	13,344	10,606	11,020	214,485
	zone 3	96,844	98,823	98,419	95,965	101,875	104,295	104,435	89,505	93,545	95,995	96,459	92,205	1,168,365
D05	**ZE Plock SA**	**95,460**	**92,260**	**90,050**	**92,626**	**90,237**	**96,325**	**94,172**	**85,057**	**87,840**	**85,341**	**83,001**	**88,609**	**1,080,978**
	zone 1	19,784	16,665	18,574	19,209	16,108	18,137	18,007	16,616	18,540	17,051	15,631	17,646	211,968
	zone 2	9,774	8,734	10,203	17,085	15,142	17,051	16,469	14,985	16,103	9,087	7,922	8,731	151,286
	zone 3	65,902	66,861	61,273	56,332	58,987	61,137	59,696	53,456	53,197	59,203	59,448	62,232	717,724
D06	**ZE Bialystok SA**	**132,577**	**135,464**	**139,094**	**157,078**	**154,507**	**172,357**	**171,303**	**154,633**	**151,162**	**132,134**	**127,452**	**127,994**	**1,755,755**
	zone 1	28,223	25,068	28,733	32,457	27,118	32,463	32,211	29,761	31,663	26,556	24,045	25,824	344,122
	zone 2	14,314	13,478	16,150	30,044	25,845	30,756	30,275	27,596	28,747	14,218	12,545	13,018	256,986
	zone 3	90,040	96,918	94,211	94,577	101,544	109,138	108,817	97,276	90,752	91,360	90,862	89,152	1,154,647
D07	**LZE LUBZEL SA**	**106,001**	**105,277**	**110,401**	**118,054**	**133,035**	**136,543**	**154,338**	**133,865**	**135,267**	**123,426**	**117,013**	**117,794**	**1,491,014**
	zone 1	22,016	17,873	22,208	23,983	22,972	24,382	28,071	24,752	27,409	23,846	21,048	23,104	281,664
	zone 2	11,174	9,716	12,255	21,457	21,766	22,647	25,417	22,103	24,396	12,872	11,037	11,394	206,234
	zone 3	72,811	77,688	75,938	72,614	88,297	89,514	100,850	87,010	83,462	86,708	84,928	83,296	1,003,116
D08	**Zamojska KE SA**	**85,000**	**87,429**	**89,250**	**100,290**	**99,572**	**112,932**	**111,107**	**97,143**	**100,676**	**88,643**	**82,572**	**82,572**	**1,137,186**
	zone 1	17,512	15,351	17,800	20,179	17,000	20,176	20,332	18,075	20,342	17,568	14,978	16,229	215,542
	zone 2	8,730	8,451	10,202	18,661	16,604	19,826	19,483	16,715	17,846	9,448	7,639	8,119	161,724
	zone 3	58,758	63,627	61,248	61,450	65,968	72,930	71,292	62,353	62,488	61,627	59,955	58,224	759,920

Table No. 4 — cd.

Minimum volumes of electric energy divided into zones, in MWh														
Consumer code	Specification	VII	VIII	IX	X	XI	XII	I	II	III	IV	V	VI	from VII '2003 to VI 2004
		2003	2003	2003	2003	2003	2003	2004	2004	2004	2004	2004	2004	
D09	**Rzeszowski ZE SA**	**132,024**	**129,534**	**137,091**	**151,846**	**142,902**	**158,660**	**153,096**	**136,030**	**143,433**	**133,586**	**132,562**	**129,059**	**1,679,823**
	zone 1	27,949	24,402	28,444	31,506	26,472	30,218	30,162	27,619	30,398	27,190	25,022	26,018	335,400
	zone 2	13,585	12,708	15,047	27,269	24,566	27,882	27,606	24,476	25,950	13,735	12,374	12,483	237,681
	zone 3	90,490	92,424	93,600	93,071	91,864	100,560	95,328	83,935	87,085	92,661	95,166	90,558	1,106,742
D10	**ZEORK SA**	**146,443**	**144,486**	**153,924**	**175,997**	**169,422**	**190,285**	**180,327**	**152,549**	**170,079**	**149,231**	**141,852**	**140,278**	**1,914,873**
	zone 1	29,813	25,583	31,181	34,969	29,569	34,320	32,802	28,295	34,074	29,173	24,999	27,822	362,600
	zone 2	14,704	13,284	16,538	30,599	26,815	31,362	29,621	25,252	29,036	15,167	12,988	13,162	258,528
	zone 3	101,926	105,619	106,205	110,429	113,038	124,603	117,904	99,002	106,969	104,891	103,865	99,294	1,293,745
D11	**ZE Częstochowa SA**	**70,823**	**71,448**	**75,232**	**81,180**	**83,674**	**91,952**	**92,532**	**83,301**	**87,209**	**77,727**	**73,777**	**70,824**	**959,679**
	zone 1	14,586	12,972	15,190	16,384	14,140	16,918	17,244	15,827	17,551	14,944	13,493	13,895	183,144
	zone 2	7,198	6,608	8,112	14,344	12,684	15,469	15,163	13,517	15,208	7,855	6,763	6,786	129,707
	zone 3	49,039	51,868	51,930	50,452	56,850	59,565	60,125	53,957	54,450	54,928	53,521	50,143	646,828
D12	**Beskidzka En. SA**	**101,367**	**95,345**	**104,384**	**110,421**	**106,154**	**116,343**	**120,538**	**109,580**	**113,961**	**103,975**	**99,757**	**97,793**	**1,279,618**
	zone 1	22,532	18,815	22,911	24,162	20,407	23,137	24,101	22,621	25,131	22,142	20,164	20,845	266,968
	zone 2	10,667	9,257	11,632	20,448	18,040	20,463	20,979	19,197	20,844	10,896	9,734	9,810	181,967
	zone 3	68,168	67,273	69,841	65,811	67,707	72,743	75,458	67,762	67,986	70,937	69,859	67,138	830,683
D13	**Górnośląski ZE S.A**	**262,919**	**256,987**	**277,766**	**320,080**	**309,305**	**352,126**	**348,969**	**316,150**	**307,724**	**288,887**	**269,784**	**260,451**	**3,571,148**
	zone 1	53,834	46,332	56,443	64,974	54,869	65,121	65,153	60,499	63,249	56,741	49,642	51,565	688,422
	zone 2	26,479	23,454	29,279	56,293	48,843	57,338	57,128	51,911	53,506	28,877	24,936	25,039	483,083
	zone 3	182,606	187,201	192,044	198,813	205,593	229,667	226,688	203,740	190,969	203,269	195,206	183,847	2,399,643
D14	**Będziński ZE SA**	**103,926**	**101,103**	**104,211**	**115,118**	**111,606**	**121,068**	**122,227**	**115,447**	**115,556**	**111,860**	**105,335**	**104,278**	**1,331,735**
	zone 1	18,963	17,710	19,316	20,813	17,858	19,037	19,519	19,940	19,616	18,947	16,771	18,513	227,003
	zone 2	9,434	8,804	10,473	19,203	17,190	18,514	18,521	17,824	18,031	10,943	9,027	9,796	167,760
	zone 3	75,529	74,589	74,422	75,102	76,558	83,517	84,187	77,683	77,909	81,970	79,537	75,969	936,972
D15	**ZE Opole S.A.**	**99,462**	**103,569**	**109,753**	**117,611**	**124,708**	**126,484**	**131,806**	**120,653**	**126,078**	**112,288**	**104,938**	**99,259**	**1,376,609**
	zone 1	20,208	18,479	22,190	23,878	21,685	23,366	24,998	22,930	25,814	21,984	18,904	19,395	263,831
	zone 2	9,851	9,391	11,729	20,722	20,131	21,677	22,302	20,045	22,409	11,567	9,594	9,431	188,849
	zone 3	69,403	75,699	75,834	73,011	82,892	81,441	84,506	77,678	77,855	78,737	76,440	70,433	923,929
D16	**ZE Kraków SA**	**181,471**	**175,642**	**188,639**	**216,368**	**232,924**	**273,799**	**280,140**	**245,473**	**246,155**	**206,981**	**179,266**	**175,643**	**2,602,501**
	zone 1	38,664	32,862	39,308	44,161	40,584	49,717	50,499	45,712	49,294	40,992	33,980	35,717	501,490
	zone 2	19,154	17,042	20,923	39,612	37,512	44,996	45,955	40,857	43,679	21,379	17,415	17,651	366,175
	zone 3	123,653	125,738	128,408	132,595	154,828	179,086	183,686	158,904	153,182	144,610	127,871	122,275	1,734,836
D17	**ZE Tarnów SA**	**49,415**	**52,925**	**53,790**	**57,586**	**56,688**	**60,764**	**64,651**	**57,041**	**59,951**	**54,307**	**51,844**	**51,694**	**670,656**
	zone 1	10,116	9,397	10,759	11,548	9,842	10,676	11,753	10,605	11,967	10,411	9,288	9,975	126,337
	zone 2	5,024	4,879	5,785	10,209	9,119	9,930	10,727	9,514	10,539	5,400	4,736	4,924	90,786
	zone 3	34,275	38,649	37,246	35,829	37,727	40,158	42,171	36,922	37,445	38,496	37,820	36,795	453,533

Table No. 4 — cd.

Minimum volumes of electric energy divided into zones, in MWh														
Consumer code	**Specification**	**VII**	**VIII**	**IX**	**X**	**XI**	**XII**	**I**	**II**	**III**	**IV**	**V**	**VI**	**from VII '2003 to VI 2004**
		2003	**2003**	**2003**	**2003**	**2003**	**2003**	**2004**	**2004**	**2004**	**2004**	**2004**	**2004**	
D18	**En. Kaliska SA**	**118,605**	**119,666**	**119,061**	**130,594**	**131,969**	**143,156**	**144,386**	**129,136**	**137,280**	**125,272**	**118,795**	**116,034**	**1,533,954**
	zone 1	24,829	21,762	24,198	26,928	23,597	26,643	26,859	24,816	27,957	24,649	21,570	23,206	297,014
	zone 2	11,882	11,074	13,045	22,560	21,123	23,857	23,643	20,855	24,231	12,956	10,749	10,970	206,945
	zone 3	81,894	86,830	81,818	81,106	87,249	92,656	93,884	83,465	85,092	87,667	86,476	81,858	1,029,995
D20	**ZE Jelenia Góra SA**	**45,112**	**44,181**	**48,736**	**55,698**	**59,014**	**62,752**	**62,381**	**55,042**	**50,913**	**44,951**	**45,868**	**43,117**	**617,765**
	zone 1	9,472	8,988	9,640	11,314	10,835	10,967	11,779	10,555	9,267	8,483	8,741	7,470	117,511
	zone 2	4,423	4,424	5,085	9,666	9,725	9,956	10,508	9,407	7,824	4,306	4,258	3,498	83,080
	zone 3	31,217	30,769	34,011	34,718	38,454	41,829	40,094	35,080	33,822	32,162	32,869	32,149	417,174
D21	**ZE Wrocław SA**	**119,344**	**124,752**	**134,031**	**144,821**	**162,120**	**177,632**	**177,670**	**150,869**	**158,301**	**142,910**	**127,157**	**124,474**	**1,744,081**
	zone 1	26,030	24,806	27,462	30,535	32,424	31,974	35,534	30,174	31,660	30,011	25,431	26,140	352,181
	zone 2	12,436	12,433	14,449	26,165	29,181	28,422	31,981	27,156	26,911	15,720	12,716	12,447	250,017
	zone 3	80,878	87,513	92,120	88,121	100,515	117,236	110,155	93,539	99,730	97,179	89,010	85,887	1,141,883
D22	**ENEA SA**	**576,978**	**582,324**	**610,588**	**682,619**	**710,918**	**749,165**	**766,998**	**677,996**	**714,712**	**627,639**	**579,429**	**561,200**	**7,840,566**
	zone 1	123,716	110,815	128,358	144,575	129,734	144,845	148,804	134,351	150,852	127,702	111,475	115,915	1,571,142
	zone 2	58,458	54,335	66,624	121,265	114,734	126,453	128,700	113,791	125,426	63,765	52,994	53,992	1,080,537
	zone 3	394,804	417,174	415,606	416,779	466,450	477,867	489,494	429,854	438,434	436,172	414,960	391,293	5,188,887
D24	**ZE Wałbrzych SA**	**56,874**	**56,438**	**61,080**	**70,228**	**74,111**	**83,429**	**84,485**	**75,347**	**76,930**	**65,466**	**57,287**	**56,047**	**817,722**
	zone 1	13,032	11,462	13,763	15,605	14,120	16,387	16,741	15,322	16,881	14,004	11,756	12,309	171,382
	zone 2	5,834	5,406	6,805	12,856	12,297	14,374	14,337	12,743	13,699	6,760	5,410	5,456	115,977
	zone 3	38,008	39,570	40,512	41,767	47,694	52,668	53,407	47,282	46,350	44,702	40,121	38,282	530,363
D26	**ZE Legnica SA**	**45,073**	**43,364**	**46,564**	**51,954**	**49,671**	**50,209**	**53,364**	**46,898**	**50,166**	**46,984**	**45,883**	**46,084**	**576,214**
	zone 1	8,830	8,144	8,656	10,297	9,095	8,756	10,241	8,939	9,366	8,828	8,493	8,369	108,014
	zone 2	4,286	4,033	4,354	8,858	8,022	7,481	8,901	7,696	8,062	4,417	4,166	4,060	74,336
	zone 3	31,957	31,187	33,554	32,799	32,554	33,972	34,222	30,263	32,738	33,739	33,224	33,655	393,864
D27	**Elbląskie ZE S.A.**	**43,590**	**43,287**	**41,648**	**47,394**	**46,315**	**47,581**	**50,090**	**44,320**	**47,407**	**42,913**	**38,275**	**41,588**	**534,408**
	zone 1	8,864	8,485	8,504	9,755	8,103	8,845	9,549	8,565	9,327	8,244	6,722	8,057	103,020
	zone 2	4,342	4,181	4,172	8,272	6,970	7,831	8,344	7,411	7,983	4,284	3,446	3,983	71,219
	zone 3	30,384	30,621	28,972	29,367	31,242	30,905	32,197	28,344	30,097	30,385	28,107	29,548	360,169
D28	**ZE Toruń S.A.**	**100,501**	**113,161**	**112,361**	**121,028**	**121,078**	**133,015**	**133,704**	**115,976**	**113,228**	**100,270**	**105,733**	**107,392**	**1,377,447**
	zone 1	20,796	20,323	22,923	24,930	21,310	24,909	25,048	22,239	23,043	19,576	19,309	21,110	265,516
	zone 2	10,116	10,322	12,167	21,266	18,906	22,021	21,798	18,981	19,481	10,003	9,613	10,209	184,883
	zone 3	69,589	82,516	77,271	74,832	80,862	86,085	86,858	74,756	70,704	70,691	76,811	76,073	927,048
D30	**ZE Słupsk S.A.**	**48,191**	**48,793**	**49,872**	**54,175**	**57,048**	**63,317**	**65,610**	**58,701**	**61,071**	**53,074**	**48,880**	**48,160**	**656,892**
	zone 1	10,775	9,655	11,013	12,080	10,913	12,665	13,040	11,959	13,406	11,198	9,854	10,479	137,037
	zone 2	4,727	4,510	5,502	9,707	9,151	10,639	10,864	9,771	10,567	5,325	4,327	4,387	89,477
	zone 3	32,689	34,628	33,357	32,388	36,984	40,013	41,706	36,971	37,098	36,551	34,699	33,294	430,378

Table No. 4 — cd.

Minimum volumes of electric energy divided into zones, in MWh														
Consumer code	**Specification**	**VII**	**VIII**	**IX**	**X**	**XI**	**XII**	**I**	**II**	**III**	**IV**	**V**	**VI**	**from VII '2003 to VI 2004**
		2003	**2003**	**2003**	**2003**	**2003**	**2003**	**2004**	**2004**	**2004**	**2004**	**2004**	**2004**	
D31	**ENERGA S.A.**	**148,281**	**148,801**	**156,323**	**178,185**	**195,075**	**210,853**	**216,687**	**191,444**	**195,985**	**168,680**	**152,316**	**144,565**	**2,107,195**
	zone 1	32,569	28,609	33,351	38,380	35,558	38,889	41,444	37,282	41,100	33,333	29,422	30,282	420,219
	zone 2	14,687	13,945	17,275	31,795	31,166	34,679	35,884	31,740	34,050	16,534	13,471	13,291	288,517
	zone 3	101,025	106,247	105,697	108,010	128,351	137,285	139,359	122,422	120,835	118,813	109,423	100,992	1,398,459
D32	**ZE SA w Olsztynie**	**80,505**	**83,567**	**87,355**	**91,646**	**90,835**	**97,318**	**96,283**	**82,088**	**88,675**	**81,652**	**77,841**	**76,069**	**1,033,834**
	zone 1	17,896	16,265	19,064	19,937	17,196	19,082	19,152	16,613	19,260	17,184	15,432	16,052	213,133
	zone 2	8,336	8,153	9,991	17,196	15,482	17,250	16,928	14,507	16,395	8,767	7,436	7,569	148,010
	zone 3	54,273	59,149	58,300	54,513	58,157	60,986	60,203	50,968	53,020	55,701	54,973	52,448	672,691
D33	**ZE Koszalin SA**	**58,891**	**56,878**	**59,390**	**63,208**	**68,064**	**73,258**	**72,804**	**66,613**	**64,698**	**61,591**	**56,537**	**54,599**	**756,531**
	zone 1	12,484	10,577	12,387	13,166	12,005	13,676	13,633	12,655	13,315	12,106	10,677	10,948	147,629
	zone 2	5,956	5,309	6,617	11,274	10,838	12,311	12,029	10,871	11,426	6,247	5,112	5,125	103,115
	zone 3	40,451	40,992	40,386	38,768	45,221	47,271	47,142	43,087	39,957	43,238	40,748	38,526	505,787
	RAZEM MIE	**3,687,949**	**3,686,803**	**3,872,827**	**4,340,356**	**4,449,383**	**4,854,685**	**4,930,576**	**4,353,049**	**4,479,570**	**3,983,223**	**3,721,634**	**3,639,945**	**50,000,000**
	zone 1	774,743	692,812	800,117	898,479	804,774	898,626	934,219	842,117	917,965	791,479	700,797	729,289	9,785,417
	zone 2	374,337	350,747	424,219	776,305	729,310	809,717	831,170	733,847	788,007	408,519	346,845	350,178	6,923,201
	zone 3	2,538,869	2,643,244	2,648,491	2,665,572	2,915,299	3,146,342	3,165,187	2,777,085	2,773,598	2,783,225	2,673,992	2,560,478	33,291,382

Table No. 5 List of long-term contracts

#	Party of the long-term contract	Scope of projects in the Contract
1	EC Bielsko Biała	Construction of a new power unit with fluidised bed boiler
2	El. Turów	Modernisation of power units: – power units 1–6: replacement of boilers with fluidised bed boilers; – power units 8–10: modernisation.
3	EC Zielona Góra	Construction of a new combined power unit.
4	El. Jaworzno III	Modernisation of all power units of the Power Generating Plant, and construction of two Flue Gas Desulphurisation Installations — wet, at four power units.
5	El. Łaziska p. u. 1 & 2	Modernisation and construction of Flue Gas Desulphurisation Installation — semi-dry, at power units No. 1 & 2.
6	El. Połaniec p. u. 5 – 8	Modernisation of power units No. 5, 6, 7, 8 including Flue Gas Desulphurisation Installations — wet.
7	El. Łagisza p. u. 6 & 7	Modernisation of power units No. 6 & 7 including construction of Flue Gas Desulphurisation Installation — semi-dry. Heating installation at the power unit No. 7.
8	El. Kozienice p. u. 6 & 7	Modernisation of power units No. 6 & 7 — replacement of turbine low pressure side parts, modernisation of boilers, and replacement of burners.
9	El. Siersza p. u. 3 & 6	Modernisation of power units No. 3 & 6 including construction of Flue Gas Desulphurisation Installation — wet.
10	El. Dolna Odra p. u. 1 & 2	Modernisation of power units No. 1 & 2 including construction of Flue Gas Desulphurisation Installation — wet.
11	EC Gorzów	Construction of steam-gas unit.
12	El. Konin collector system	Modernisation of collector system at the Konin Power Generating Plant including construction of Flue Gas Desulphurisation Installation — wet.
13	El. Opole bl.1–4	Construction of power units No. 3 & 4 including construction of Flue Gas Desulphurisation Installation — wet, at power units No. 1–4.
14	El. Łaziska p. u. 9–12	Modernisation of power units No. 9–12 including construction of Flue Gas Desulphurisation Installations at those power units.
15	ZEC Poznań	Completing construction of combined unit No. 3 at Karolin Power and Heat Generating Plant.
16	EC Katowice	Construction of a new combined power unit with fluidised bed boiler.
17	El. Siersza p. u. 1 & 2	Modernisation of power units No. 1 & 2, and construction of fluidised bed boilers.
18	El. Kozienice p. u. 2 & 4	Modernisation of power units No. 2 & 4.
19	El. Pątnów II p. u. 7 & 8	Re-construction of heavy oil power units No. 7 & 8.
20	EC Żerań	Construction of two fluidised bed boilers.
21	EC Nowa Sarzyna	Construction of a steam-gas unit with heating segment.
22	EC Pomorzany	Modernisation of power units No. 1 & 2, and construction of Flue Gas Desulphurisation Installations in radiation method.
23	El. Bełchatów p. u. 1–12	Modernisation of power units No. 1–12.
24	EC Lublin – Wrotków	Construction of a steam-gas unit.
25	El. Kozienice p. u. 9 & 10	Modernisation of power units No. 9 & 10 including construction of Flue Gas Desulphurisation Installations — wet.
26	EC Kraków	Modernisation of power units No. 1-4.
27	El. Dolna Odra p. u. 7 & 8	Modernisation of power units including construction of Flue Gas Desulphurisation Installations.
28	EC Rzeszów	Construction of a steam-gas unit.
29	Import from Sweden	Construction of cable link with converter stations.
30	EC Chorzów ELCHO	Construction of two power units fuelled with hard coal.
31	ŻEG	Construction of a steam-gas unit.

END OF TRANSLATION

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846

I, Piotr Sut, sworn translator of English, hereby certify that the above is a true English translation of the original document in Polish. Zgierz, January 9th, 2004. Ref. no. 09/2004

Sworn translator

mgr Piotr Sut

Piotr Sut
Sworn translator of English
Zgierz, ul. Gospodarcza 5, tel. 0-42-7166405, 0-601-825846