Grid connection tariffs

Period 2020-2023

The tariff terms and conditions for each connection to the Elia grid, as established by the CREG decision of 7 November 2019, shall apply from 1 January 2020 to 31 December 2023 inclusive.

1 Tariff terms and conditions for grid users directly connected to the Elia grid and for distribution system operators (excluding distribution system operators connected at transformer output to medium voltage)

These terms and conditions apply for:

1. The tariff for preliminary studies;
2. The tariff for detailed studies;
3. The tariff for studies into major modernisation work;
4. The tariff for use of onshore connection bays;
5. The tariff for use of offshore connection bays;
6. The tariff for use of other connection equipment: an overhead or underground connection or any other equipment required to this end, transformation equipment, or equipment used to compensate reactive energy or to filter voltage waves;
7. The tariff for use of additional security equipment, additional equipment for alarms, measurements and metering;
8. The tariff for power quality acceptance tests;
9. Particular tems.

1.1 Tariff for preliminary studies

The tariff charged for preliminary studies for a new connection or modification of an existing connection is a one-off tariff, the amount of which depends on the amount of nominal power to be connected.

The table below sets out the amounts that may be charged.

Nominal power to be connected (P)	Tariff for preliminary studies			
	2020	2021	2022	2023
P <25 MVA	2,680 EUR	2,726 EUR	2,772 EUR	2,819 EUR
25 MVA < P <50 MVA	5,360 EUR	5,451 EUR	5,544 EUR	5,638 EUR
50 MVA <= P	10,720 EUR	10,902 EUR	11,087 EUR	11,276 EUR

Table 1: Tariff for preliminary studies

1.2 Tariff for detailed studies

1. Detailed studies conducted with a view to connecting new equipment or modifying existing equipment

The tariff charged for detailed studies for a new connection or modification of an existing connection is a one-off tariff, the amount of which depends on the type and voltage level of the work covered by the detailed study in question.

The amount invoiced for studies involving a connection bay as well as a connection is the sum of the amount for the study of the bay(s) and the amount for the study of the connection. This tariff will be applied for each requested variant of the study.

The table below sets out the tariffs for detailed studies. In the event of detailed studies involving generation units, these tariffs are increased by a factor of 33%, though this increase only applies to the part of the study concerning the connection bay(s), in order to cover the extra costs incurred due to the broader scope of such detailed studies (extra studies are needed concerning the connection bay(s)).

Type of study	Tariff for detailed study, one bay	Tariff for detailed study, two bays	Tariff for detailed study, one connection (in addition to the detailed study for one or two bays)* per route
2020			
Minor modifications (low-voltage modifications)	5.360 EUR	8.040 EUR	10.720 EUR
36/70 kV	10.720 EUR	16.080 EUR	16.080 EUR
110/150/220 kV	16.080 EUR	21.440 EUR	21.440 EUR
380 kV	26.800 EUR	32.160 EUR	42.879 EUR
2021			
Minor modifications (low-voltage modifications)	5.451 EUR	8.177 EUR	10.902 EUR
36/70 kV	10.902 EUR	16.353 EUR	16.353 EUR
110/150/220 kV	16.353 EUR	21.804 EUR	21.804 EUR
380 kV	27.255 EUR	32.706 EUR	43.608 EUR
2022			
Minor modifications (low-voltage modifications)	5.544 EUR	8.316 EUR	11.087 EUR
36/70 kV	11.087 EUR	16.631 EUR	16.631 EUR
110/150/220 kV	16.631 EUR	22.175 EUR	22.175 EUR
380 kV	27.719 EUR	33.262 EUR	44.350 EUR
2023			
Minor modifications (low-voltage modifications)	5.638 EUR	8.457 EUR	11.276 EUR
36/70 kV	11.276 EUR	16.914 EUR	16.914 EUR
110/150/220 kV	16.914 EUR	22.552 EUR	22.552 EUR
380 kV	28.190 EUR	33.828 EUR	45.104 EUR

Table 2: Tariff for detailed studies

2. “Power quality” evaluation for connection or modification of disruptive installations or of compensation installations (“pre-assessment”)

In order to supply a voltage as per the applicable Grid Code, the level of disruption on the grid permitted under said Grid Code must be respected.

As such, in accordance with the Grid Code in force, grid users must voluntarily notify Elia about any of their facilities that affect the quality, reliability or efficiency of the grid.

Grid users are required to check whether the disruption caused by said facilities exceed Stage 1 emission limits (as set out in Synergrid procedure C10/17) based on the voltage level at the connection point and the annual peak[1]. They must then submit their findings as well as a description of the facilities in question (type and nominal capacity) to Elia for approval.

If Stage 1 emission limits are exceeded, even after considering additional measures intended to minimise the disruption caused, the grid user must ask Elia to switch to Stages 2 or 3, in which case the following tariffs will apply:

Study calculating Stage 2 emission limits**	2,250 EUR
Study calculating Stage 3 emission limits**	3,000 EUR

(**) In accordance with Synergrid C10/17 “Power quality specifications for users connected to high-voltage grids”.

The amounts invoiced for studies calculating Stage 2 or 3 emission limits cannot be reimbursed if the connection goes ahead.

At the end of the study, Elia will provide the grid user in question with a report containing the adjusted emission limits. The grid user must verify whether their facilities respect these authorised emission limits, and must pass on their findings, in writing, to Elia for approval.

1.3 Tariff for studies into major modernisation work

Such studies are intended to investigate the substantial nature of modernisation of facilities connected to the grid, which may require a review of the connection contract, as per European network codes for connection. This is a one-off tariff, the amount of which depends on the type and voltage of the connection point of the facilities covered by the study in question. This type of study solely pertains to connection bays.

A study into major modernisation work is conducted in addition to a detailed study. If such a study is conducted together with a detailed study, the tariff for the study into major modernisation work is half that of the detailed study. If a detailed study is not carried out (e.g. in the case of more minor modifications), the tariff amounts to 75% of the tariff for a detailed study into a more minor modification.

1 The annual peak used here is defined as the maximum monthly peak during the previous 12 months, i.e. the current invoicing month and the previous 11 months, without taking into account the tariff period for annual peak. This annual peak corresponds to that used in the tariff for additional offtake of reactive energy and consequently differs from that for the tariff for annual peak.

Type of study	Tariff for modernisation study, one connection bay	Tariff for modernisation study, two connection bays
2020		
Minor modifications (no detailed study)	4.020 EUR	6.030 EUR
36/70 kV (additional tariff for detailed study)	5.360 EUR	8.040 EUR
110/150/220 kV (additional tariff for detailed study)	8.040 EUR	10.720 EUR
380 kV (additional tariff for detailed study)	13.400 EUR	16.080 EUR
2021		
Minor modifications (no detailed study)	4.088 EUR	6.132 EUR
36/70 kV (additional tariff for detailed study)	5.451 EUR	8.177 EUR
110/150/220 kV (additional tariff for detailed study)	8.177 EUR	10.902 EUR
380 kV (additional tariff for detailed study)	13.628 EUR	16.353 EUR
2022		
Minor modifications (no detailed study)	4.158 EUR	6.237 EUR
36/70 kV (additional tariff for detailed study)	5.544 EUR	8.316 EUR
110/150/220 kV (additional tariff for detailed study)	8.316 EUR	11.087 EUR
380 kV (additional tariff for detailed study)	13.859 EUR	16.631 EUR
2023		
Minor modifications (no detailed study)	4.228 EUR	6.343 EUR
36/70 kV (additional tariff for detailed study)	5.638 EUR	8.457 EUR
150/220 kV (additional tariff for detailed study)	8.457 EUR	11.276 EUR
380 kV (additional tariff for detailed study)	14.095 EUR	16.914 EUR

Table 3: Tariff for studies into major modernisation work

1.4 Tariff for use of first onshore connection bay

The tariff for use of first onshore connection bay encompasses:

- an annual fee for the installation, substantial modification, dismantling or renovation of the connection bay; and
- an annual fee for managing the connection bay.

Upon paying these annual fees (the amounts of which are listed in the table below), grid users are entitled to use all of the connection bay's functionalities, including any maintenance work or replacements required. The first connection bay includes one metering equipment for invoicing purposes.

The fee for putting existing bays at grid users' disposal is adjusted on a pro rata basis to take into account previous payments made. This adjustment applies until the date on which the bay in question is replaced and at the latest 33 years after the commissioning date.

(x1000 EUR per bay)	Annual fee for the installation, substantial modification, dismantling or renovation of an onshore connection bay	Annual fee for the management of an onshore connection bay
2020		
380-kV connection bay	152.00	53.93
220-kV connection bay	61.35	21.76
150-kV connection bay	55.89	19.83
110-kV connection bay	47.19	16.74
70-kV connection bay	35.79	12.70
36/30-kV connection bay	17.87	6.34
Medium-voltage connection bay	8.94	3.17
2021		
380-kV connection bay	154.59	54.84
220-kV connection bay	62.39	22.13
150-kV connection bay	56.84	20.17
110-kV connection bay	47.99	17.03
70-kV connection bay	36.39	12.91
36/30-kV connection bay	18.18	6.45
Medium-voltage connection bay	9.09	3.22
2022		
380-kV connection bay	157.21	50.20
220-kV connection bay	63.45	20.26
150-kV connection bay	57.81	18.46
110-kV connection bay	48.81	15.58
70-kV connection bay	37.01	11.82
36/30-kV connection bay	18.48	5.90
Medium-voltage connection bay	9.24	2.95
2023		
380-kV connection bay	159.89	51.05
220-kV connection bay	64.53	20.60
150-kV connection bay	58.79	18.77
110-kV connection bay	49.64	15.85
70-kV connection bay	37.64	12.02
36/30-kV connection bay	18.80	6.00
Medium-voltage connection bay	9.40	3.00

Table 4: Fees for putting them at grid users' disposal and managing onshore connection bays

1.5 Tariff for use of first offshore connection bay

The tariff for use of first offshore connection bay encompasses:

- an annual fee for the installation, substantial modification, dismantling or renovation of the connection bay; and
- an annual fee for managing the connection bay.

Upon paying these annual fees (the amounts of which are listed in the table below), grid users are entitled to use all of the connection bay's functionalities, including any maintenance work or replacements required. The first connection bay includes metering equipment for invoicing purposes.

This tariff was established as a standard, non-discriminatory tariff between users of the offshore grid.

(x1000 EUR per bay)	Annual fee for the installation, substantial modification, dismantling or renovation of an offshore connection bay	Annual fee for the management of an offshore connection bay
2020		
220-kV connection bay	281.19	100.47
2021		
220-kV connection bay	285.97	102.18
2022		
220-kV connection bay	290.83	103.92
2023		
220-kV connection bay	295.77	105.68

Table 5: Fees for putting them at grid users' disposal and managing offshore connection bays

Remarks:

These fees are charged to grid users of the offshore grid who have not been the subject of a transfer of facilities under Article 7§3 of the Electricity Act. Grid users of the offshore grid for which a transfer of facilities has been carried out under Article 7§3 of the Electricity Act are required to pay the relevant fees for onshore connection bays at the voltage level applying prior to the transfer of the facilities in question.

1.6 Tariff for use of other connection equipment: other connection bays, overhead or underground connections or any other equipment required to this end, transformation equipment, or equipment used to compensate reactive energy or to filter voltage waves

1. Fee for the installation, substantial modification, dismantling or renovation of existing connections

The amount, representing the total investment amount, is determined according to specifications.

2. Fee for putting existing connections at users' disposal

The table 6 sets out the annual fee for putting connections at users' disposal. This fee must be de-indexed based on the consumer price index up to the commissioning date of the equipment in question. If the customer in question has made any previous payments, these will be deducted on a pro rata basis.

3. Fee for managing other (new and existing) connection equipment

The table 7 sets out all fees for managing 'other' equipment.

4. Fee for Elia's 'light' management of connection equipment

This tariff is applied to grid users who are the owner of the connection equipment (with the exception of the first connection bay) and who manage the connection equipment themselves.

It is expressed as an annual fee per connection bay and is shown in the table 8 below.

	Fee for putting 'other connection equipment' at users' disposal				Units
	2020	2021	2022	2023	
380-kV bay	152.00	154.59	157.21	159.89	x 1000 EUR per bay
220-kV bay	61.35	62.39	63.45	64.53	x 1000 EUR per bay
150-kV bay	55.89	56.84	57.81	58.79	x 1000 EUR per bay
110-kV bay	47.19	47.99	48.81	49.64	x 1000 EUR per bay
70-kV bay	35.79	36.39	37.01	37.64	x 1000 EUR per bay
36/30-kV bay	17.87	18.18	18.48	18.80	x 1000 EUR per bay
Medium-voltage bay	8.94	9.09	9.24	9.40	x 1000 EUR per bay
380-kV line, 1 circuit	37.49	38.13	38.77	39.43	x 1000 EUR//km
220-kV line, 1 circuit	15.68	15.94	16.21	16.49	x 1000 EUR//km
150-kV line, 1 circuit	16.02	16.29	16.57	16.85	x 1000 EUR//km
70-kV line, 1 circuit	11.38	11.58	11.77	11.97	x 1000 EUR//km
36/30-kV line, 1 circuit	7.43	7.56	7.68	7.82	x 1000 EUR//km
380-kV line, 2 circuit	56.85	57.81	58.80	59.80	x 1000 EUR//km
220-kV line, 2 circuit	25.90	26.34	26.79	27.25	x 1000 EUR//km
150-kV line, 2 circuit	24.20	24.61	25.03	25.45	x 1000 EUR//km
70-kV line, 2 circuit	17.25	17.54	17.84	18.14	x 1000 EUR//km
36/30-kV line, 2 circuit	11.25	11.44	11.63	11.83	x 1000 EUR//km
380-kV cable	115.54	117.51	119.50	121.54	x 1000 EUR//km
220-kV cable	73.68	74.93	76.21	77.50	x 1000 EUR//km
150-kV cable	51.12	51.99	52.87	53.77	x 1000 EUR//km
110-kV cable	43.16	43.90	44.64	45.40	x 1000 EUR//km
70-kV cable	35.44	36.05	36.66	37.28	x 1000 EUR//km
36/30-kV cable	17.04	17.33	17.62	17.92	x 1000 EUR//km
Medium-voltage cable	8.67	8.82	8.97	9.12	x 1000 EUR//km
Tfo 380/70-kV (220 MVA)	196.56	199.90	203.30	206.75	x 1000 EUR/Tfo
Tfo 220/MV (50 MVA)	70.38	71.58	72.80	74.04	x 1000 EUR/Tfo
Tfo 150/MV (50 MVA)	62.38	63.44	64.52	65.62	x 1000 EUR/Tfo
Tfo 150/36-kV (125 MVA)	105.28	107.07	108.89	110.74	x 1000 EUR/Tfo
Tfo 70/MV (40 MVA)	56.68	57.64	58.62	59.62	x 1000 EUR/Tfo
Tfo 36-30/MV (25 MVA)	35.93	36.54	37.17	37.80	x 1000 EUR/Tfo

Table 6: Fee for putting 'other connection equipment' at users' disposal (amount to be de-indexed up to the commissioning date of the equipment in question)

	Fee for management				Units
	2020	2021	2022	2023	
380-kV bay	53,93	54,84	50,20	51,05	x 1000 EUR per bay
220-kV bay	21,76	22,13	20,26	20,60	x 1000 EUR per bay
150-kV bay	19,83	20,17	18,46	18,77	x 1000 EUR per bay
110-kV bay	16,74	17,03	15,58	15,85	x 1000 EUR per bay
70-kV bay	12,70	12,91	11,82	12,02	x 1000 EUR per bay
36/30-kV bay	6,34	6,45	5,90	6,00	x 1000 EUR per bay
Medium-voltage bay	3,17	3,22	2,95	3,00	x 1000 EUR per bay
380-kV line, 1 circuit	17,29	17,58	17,88	18,19	x 1000 EUR//km
220-kV line, 1 circuit	7,23	7,35	7,48	7,61	x 1000 EUR//km
150-kV line, 1 circuit	7,39	7,51	7,64	7,77	x 1000 EUR//km
70-kV line, 1 circuit	5,25	5,34	5,43	5,52	x 1000 EUR//km
36/30-kV line, 1 circuit	3,43	3,48	3,54	3,60	x 1000 EUR//km
380-kV line, 2 circuit	26,22	26,66	27,12	27,58	x 1000 EUR//km
220-kV line, 2 circuit	11,95	12,15	12,36	12,57	x 1000 EUR//km
150-kV line, 2 circuit	11,16	11,35	11,54	11,74	x 1000 EUR//km
70-kV line, 2 circuit	7,95	8,09	8,23	8,37	x 1000 EUR//km
36/30-kV line, 2 circuit	5,19	5,28	5,36	5,46	x 1000 EUR//km
380-kV cable	16,40	16,67	12,72	12,94	x 1000 EUR//km
220-kV cable	10,46	10,63	8,11	8,25	x 1000 EUR//km
150-kV cable	7,25	7,38	5,63	5,72	x 1000 EUR//km
110-kV cable	6,13	6,23	4,75	4,83	x 1000 EUR//km
70-kV cable	5,03	5,12	3,90	3,97	x 1000 EUR//km
36/30-kV cable	2,42	2,46	1,88	1,91	x 1000 EUR//km
Medium-voltage cable	1,23	1,25	0,95	0,97	x 1000 EUR//km
Tfo 380/70-kV (220 MVA)	69,73	70,92	72,12	73,35	x 1000 EUR/Tfo
Tfo 220/MV (50 MVA)	24,97	25,39	25,83	26,27	x 1000 EUR/Tfo
Tfo 150/MV (50 MVA)	22,13	22,51	22,89	23,28	x 1000 EUR/Tfo
Tfo 150/36-kV (125 MVA)	37,35	37,99	38,63	39,29	x 1000 EUR/Tfo
Tfo 70/MV (40 MVA)	20,11	20,45	20,80	21,15	x 1000 EUR/Tfo
Tfo 36-30/MV (25 MVA)	12,75	12,96	13,19	13,41	x 1000 EUR/Tfo

Table 7: Fee for managing other (new and existing) connection equipment

EUR per bay	Annual fee for 'light' management
2020	
380-kV connection bay	5,393
220-kV connection bay	2,176
150-kV connection bay	1,983
110-kV connection bay	1,674
70-kV connection bay	1,270
36/30-kV connection bay	634
Medium-voltage connection bay	317
2021	
380-kV connection bay	5,484
220-kV connection bay	2,213
150-kV connection bay	2,017
110-kV connection bay	1,703
70-kV connection bay	1,291
36/30-kV connection bay	645
Medium-voltage connection bay	322
2022	
380-kV connection bay	5,577
220-kV connection bay	2,251
150-kV connection bay	2,051
110-kV connection bay	1,732
70-kV connection bay	1,313
36/30-kV connection bay	656
Medium-voltage connection bay	328
2023	
380-kV connection bay	5,672
220-kV connection bay	2,289
150-kV connection bay	2,086
110-kV connection bay	1,761
70-kV connection bay	1,335
36/30-kV connection bay	667
Medium-voltage connection bay	333

Table 8. Fee for Elia's 'light' management of connection equipment

Remarks:

- For short connections (lines or cables), the management fee for each connection cannot be lower than the fee for 'light' management (table 8).

- If a distribution system operator uses Elia's connection bays to connect their equipment for the purposes of injecting centralised remote control signals and if Elia also uses these connection bays to transmit electricity, the fees for using connection bays to inject centralised remote control signals are capped at 50% of the annual fee for the installation, dismantling or substantial modification of said bay and at 25% of the fee for managing a connection bay due to shared use, while for cables 100% of the fees will be invoiced as these are only used to transmit signals.

- For transformers with a capacity different to that specified in said table, the fee is calculated using the following formula:

$$K = K_0 \left[0{,}25 + 0{,}75 . \frac{MVA}{MVA_0} \right]^{0{,}75}$$

Where:

- K is the fee for managing the equipment in question and putting it at users' disposal;
- MVA is the capacity of the transformer in question;
- K_0 is the fee for managing the reference transformer and putting said transformer at users' disposal and MVA_0 is the reference transformer capacity. These are chosen from the table 6 and 7 to ensure that the primary voltage is identical to that of the transformer in question and that the capacity is closest to that of the transformer concerned.

1.7 Tariff for use of additional security equipment, additional equipment for alarms, measurements and metering

The tariff for use of additional security equipment, additional equipment for alarms, measurements and metering is calculated on a case-by-case basis, taking into account the specific nature of the equipment in question.

This tariff covers the replacement of existing equipment belonging to the first connection bay but with an additional functionality.

New metering equipment is placed at users' disposal according to specifications.

The table below lists the annual fee for managing this metering equipment.

Additional metering equipment	Annual fee for managing metering equipment (EUR per metering equipment unit)
2020	533
2021	542
2022	551
2023	560

Table 9: Annual fee for managing metering equipment

1.8 Tariff for power quality acceptance tests

When commissioning new disruptive facilities or after modifying existing disruptive facilities, Elia is entitled to conduct acceptance tests to check the scale of disruption caused by these facilities.

If these checks can be conducted based on meter readings of the voltage at the grid user's connection point, the tariff for acceptance testing is 2,600 EUR.

Once the tests are complete, Elia sends a report to the grid user, outlining the most important metering results and the findings of the tests.

Grid users with Stage 3 emission limits as well as grid users requesting more complex meter readings will be charged an extra 4,000 EUR (in this case, the total fee is 6,600 EUR).

1.9 Particular terms

1. Reduction coefficient if multiple users use the same connection equipment at the same time

All costs covered by a one-off tariff for (all or part of) the equipment used by two or more grid users, excluding the costs for metering and measurement equipment, can be shared between these grid users. Metering and measurement equipment must be installed separately for each individual grid user. The cost is split on a pro rata basis according to the connection capacity specified in the applicable connection contract or according to any other agreement between the parties involved.

All costs covered by a recurring tariff for (all or part of) the equipment used by two or more grid users will first be multiplied by a coefficient k_1 (1+0.05) and then divided on a pro rata basis according to the connection capacity specified in the connection contract or according to any other agreement between the parties involved.

In order to cover the extra administrative costs incurred by Elia, the 5% increase will be replaced by an amount of €1,000/year if the 5% increase amounts to less than €1,000/year.

2. Reduction coefficient for tariffs for renewable energy or cogeneration units

No reduction coefficient shall apply during the 2020-2023 regulatory period[2].

3. Reduction or multiplier coefficients applicable to the tariffs for use of partial first connection bays

Should use of the first connection bay be simplified or if Elia does not provide or manage all facilities of the first connection bay, the annual fees for the installation, dismantling, substantial modification or management thereof can be applied in proportion to the exact configuration of the bay in question.

[2] With regard to tenders compiled by Elia prior to 31 December 2007, the reduction coefficients for generation units based on intermittent renewable energy and for auto-generation units continue to apply as per the old terms and conditions until the end of the 10-year period if a recurring fee is in force for the provision of connection equipment.

Installation of a partial first connection bay	Reduction or multiplier coefficient	
	Applied to the fee for putting equipment at users' disposal	**Applied to the management fee**
Invoice metering	10%	10%
Security and interface cabinets (particularly low-voltage facilities, excluding metering equipment)	10%	10%
Current transformer	10%	10%
Line/cable/rail separator	20%	20%
Earthing separator	20%	20%
Voltage transformer	25%	25%
Connection bay without circuit breaker	60%	60%
Operation of first connection bay	-	20%

Table 10: Reduction or multiplier coefficients for connection tariffs

The coefficients can be added together if Elia has installed or is managing multiple facilities.

For the first connection bay, these coefficients remain in force until the date on which the bay in question is replaced and at most for 33 years after the commissioning date.

2 Tariff terms and conditions for distribution system operators connected at transformer output to medium voltage

The tariff terms and conditions for connections to the Elia grid for distribution grid operators encompass the annual tariffs for connecting to the Elia grid applicable to distribution grid operators to whom Elia makes available and/or manages infrastructure necessary for their activities.

These tariffs are based on two components:

- the type of underlying service, i.e. a tariff for putting these facilities at a user's disposal and a tariff for managing these facilities;
- the equipment in question, i.e. connection tariffs based on the facilities in question: the accessories for transformers to medium voltage, the non-feeder medium-voltage cells, the general facilities and buildings.

The reference medium-voltage substation has a reference capacity of 80 MVA (assumed to be supplied by two 40-MVA reference transformers). It consists of two connections from the transformers to the medium-voltage busbar, two transformer inlets and a rail coupling. This substation is housed in a building supplied with electricity for heating and lighting.

The connection tariffs are multiplied by a factor, more specifically the size of the medium-voltage substation, which is defined as the ratio between the effective capacity of this substation and the reference capacity. The effective capacity of the substation in question is determined based on the apparent nominal capacity of this medium-voltage substation.

For example, for a medium-voltage substation supplied by two 25-MVA transformers:

- the effective capacity is equal to 2 x 25 = 50 MVA;
- the size of the substation is 50 MVA/80 MVA = 0.625;
- the tariffs (if applicable to this substation) are multiplied by 0.625.

The table below lists the fees for managing connection equipment and putting them at users' disposal.

(x1000 EUR per year)	Annual fee 2020-2023 for putting infrastructure for a reference medium-voltage substation at users' disposal			
	2020	**2021**	**2022**	**2023**
Connection tariffs - transformer accessories	11.36	11.56	11.75	11.95
Connection tariffs - non-feeder medium-voltage cells	8.06	8.20	8.34	8.48
Connection tariffs - general facilities and building	19.59	19.92	20.26	20.60
(**x1000 EUR per year)**	**Annual fee 2020-2023 for managing the infrastructure of a reference medium-voltage substation**			
	2020	**2021**	**2022**	**2023**
Connection tariffs - transformer accessories	5.45	5.54	5.63	5.73
Connection tariffs - non-feeder medium-voltage cells	4.99	5.07	5.16	5.24
Connection tariffs - general facilities and building	9.05	9.19	9.35	9.51

Table 11: Connection tariffs for distribution grid operators for a reference medium-voltage substation