



**STATEMENT OF CHARGES FOR CONNECTION TO THE NORTHERN
IRELAND DISTRIBUTION SYSTEM**

JUNE 2008

TABLE OF CONTENTS

	Page
1 Introduction	1
2 General Licence Obligations	3
3 Customer Categories.....	4
4 Over 1MW Customers and Authorised Generators	5
5 Customers who are neither an Over 1MW Customer nor an Authorised Generator	7
6 Charging Arrangements Applicable to all Customers	9
7 Contact Details	12
8 Definitions	13
Schedule 1 – Connection Application Fee	15
Schedule 2 – Indicative Costs for Cables and Overhead Lines.....	16
Schedule 3 – Indicative Costs for Plant Items	17
Schedule 4 – Notes to Schedules 2 and 3	18
Schedule 5 – Circumstances which could lead to increased connection charges	19

1 Introduction

- 1.1 Northern Ireland Electricity plc (NIE) is the owner of the Northern Ireland **Distribution System** and is authorised to distribute electricity by means of a **Licence** issued by The Department of Enterprise, Trade and Investment, under Article 10(1)(b) of the Electricity (Northern Ireland) Order 1992, as amended, (the “**Order**”) and it is regulated by the Northern Ireland Authority for Utility Regulation (the “**Authority**”).
- 1.2 Under its **Licence**, NIE is responsible for the planning, development, maintenance and operation of the **Distribution System**, a system consisting of some 27,000 miles of network connecting approximately 800,000 customers and with a maximum demand of about 1,700 MW.
- 1.3 It is the only party in Northern Ireland entitled to offer terms to connect, or to modify an existing connection, to the **Distribution System**. Such terms are offered following receipt by NIE of an application containing all such information as NIE may reasonably require for the purpose of formulating the terms of the offer.
- 1.4 NIE is required by Condition 32 of its **Licence** to prepare a statement approved by the **Authority** setting out the basis upon which charges will be made for connection to the **Distribution System** and this statement is published to meet that obligation.
- 1.5 This statement is required to be in a form and to contain detail as shall be necessary to enable any person to make a reasonable estimate of the charges to which it would become liable for the provision of a connection to the **Distribution System**.
- 1.6 This statement is required to include:
- 1.6.1 a schedule listing those items (including the carrying out of works and the provision and installation of electric lines or electrical plant or meters) of significant cost liable to be required for the purpose of connection (at entry or exit points) to the **Distribution System** for which connection charges may be made or levied and including (where practicable) indicative charges for each such item and (in other cases) an explanation of the methods by which and the principles on which such charges will be calculated;
 - 1.6.2 the methods by which and the principles on which any charges will be made in respect of extension or reinforcement of the **Distribution System** rendered necessary or appropriate by virtue of providing connection to or use of system to any person seeking connection;
 - 1.6.3 the methods by which and the principles on which connection charges will be made in circumstances where the electric lines or electrical plant to be installed are of greater size or capacity than that required for use of the **Distribution System** by the person seeking connection;
 - 1.6.4 the methods by which and the principles on which any charges (including any capitalised charge) will be made for maintenance and repair required of electric lines, electrical plant or meters provided and installed for making a connection to the **Distribution System**;

- 1.6.5 the methods by which and the principles on which any charges will be made for the provision of special metering or telemetry or data processing equipment by NIE for the purposes of enabling any person which is bound to comply with the **Distribution Code** to comply with its obligations in respect of metering thereunder, or for the performance by NIE of any service in relation thereto; and
- 1.6.6 the methods by which and principles on which any charges will be made for disconnection from the **Distribution System** and the removal of electrical plant, electric lines and ancillary meters following disconnection.
- 1.7 NIE shall revise this statement at least once in every year in order that the information provided shall continue to be accurate in all material respects. Any revisions will be made with the approval of the **Authority**.
- 1.8 NIE will send a copy of this statement to any person who requests it on payment of a charge of £5.00 plus VAT. A copy of this statement can also be downloaded free of charge from NIE's website at www.nie.co.uk.
- 1.9 Details on the processes to be followed in applying for a connection to the **Distribution System** can also be found at www.nie.co.uk.
- 1.10 Expressions used in this statement have the definitions given to them in the **Order** unless otherwise defined herein and shall be construed accordingly. Terms which are capitalised and in bold type are defined in Section 8 of this statement.
- 1.11 Persons requiring connection to the **Distribution System** will be required to enter into an agreement(s) with NIE setting out the terms and conditions which will apply with regard to NIE providing and maintaining the connection. In some cases the electricity supplier of the person requiring connection will act as an agent for NIE and put in place a standard connection agreement, known as the 'Standard Connection Terms and Conditions for LV Connections'. In the event of any inconsistency with this statement the agreement(s) will take precedence.
- 1.12 Should NIE and the person seeking a connection to the **Distribution System** be unable to reach agreement on the terms offered within a reasonable time, either party may request a determination of any of the terms and conditions of connection by the **Authority**.

2 General Licence Obligations

2.1 Condition 32

2.1.1 NIE is required by Condition 32 of its **Licence** to set connection charges at a level which will enable NIE to recover:

2.1.1.1 the appropriate proportion of the costs directly or indirectly incurred in carrying out any works, the extension or reinforcement of the **Distribution System** and the provision and installation, maintenance and repair and, following disconnection, removal of any electric lines, electrical plant, meters, special metering, telemetry, data processing equipment or other items; and

2.1.1.2 a reasonable rate of return on the capital represented by such costs.

2.1.2 NIE is also required by Condition 32 of its **Licence** to ensure that, in setting its charges for connection, it shall not restrict, distort or prevent competition in the generation, transmission, distribution or supply of electricity.

2.2 Condition 15

2.2.1 NIE is required by Condition 15 of its **Licence** to ensure that in providing offers of connection to the **Distribution System** it does not unduly discriminate between any persons, or any class or classes of person or persons.

2.3 Condition 30

2.3.1 NIE is required by Condition 30 of its **Licence** to offer terms for connection to and use of the **Distribution System**, subject to the terms of the **Licence** and the **Order**. This requirement applies in respect of works required on the **Transmission System** (as well as works required on the **Distribution System**) and accordingly all references in this statement to extension, reinforcement or decommissioning works on the **Distribution System** shall apply equally to extension, reinforcement or decommissioning works on the **Transmission System**.

3 Customer Categories

- 3.1 Any person may apply for a connection, or for a modification to an existing connection, to the **Distribution System**. Should that person wish NIE to proceed with connection works a connection charge will be payable. The charge will depend on the category of person applying.
- 3.2 For the purposes of this statement, and connection charging policies, persons applying for a connection, or for a modification to an existing connection, to the **Distribution System** will fall into one of two categories:
- 3.2.1 **Over 1MW Customers and Authorised Generators**, and charging arrangements for this category are set out in Section 4 of this statement; and
- 3.2.2 all other persons, and charging arrangements for this category are set out in Section 5.
- 3.3 Charging arrangements applicable to both categories are set out in Section 6.

4 Over 1MW Customers and Authorised Generators

- 4.1 Any customer in this category wishing to connect, or to modify an existing connection, to the **Distribution System** will be required to pay for:
- 4.1.1 the estimated cost of installing new and/or modified **Connection Assets**;
 - 4.1.2 a proportion of the estimated cost of installing any new **Connection Assets** which are to be shared with others who are connecting simultaneously, if any (refer to sub-paragraph 6.8.3 for further guidance);
 - 4.1.3 the estimated cost of decommissioning **Distribution System** assets resulting from the new or modified connection, if any; and
 - 4.1.4 certain pass-through costs incurred by NIE in undertaking the connection works as set out in the offer of connection. For example, any environmental planning costs, any costs incurred in acquiring planning consents, any costs incurred in complying with any conditions of planning consents, any external legal costs, any costs incurred in seeking, obtaining and paying for wayleaves or easements and any costs relating to exceptional land conditions or exceptional civil works.
- 4.2 Notwithstanding the provisions of sub-paragraph 4.1, NIE will consider entering into an alternative charging arrangement with **Authorised Generators** and load customers applying for connection, or already connected, to the 33kV network which shall require the customer to pay the outturn costs of those works set out in sub-paragraphs 4.1.1, 4.1.2 and 4.1.3, as applicable. In this event, NIE will provide as part of the connection offer an estimate of the connection charge, identifying where requested by the customer the costs of the main items of expenditure in a manner consistent with the level of detail provided in Schedules 2 and 3. The estimated cost will be payable in advance of energising the connection, or as set out in the connection offer, with any reconciliation carried out after a determination of the final costs. The level of detail of the actual outturn costs provided to the customer will be consistent with the level of detail provided in Schedules 2 and 3.
- 4.3 The estimate provided to a customer under sub-paragraph 4.1 will include internal engineering and project management costs.
- 4.4 Where the connection works are planned to be completed a significant period of time after the acceptance of a firm price connection offer, the connection charge may be adjusted to reflect costs movements in the intervening period. The connection charge may be adjusted in line with the **Retail Price Index**, a London Metal Exchange price index or another index considered appropriate by NIE. Any connection charge adjustment mechanism will be set out in the connection offer.
- 4.5 The connection charge is normally payable in full in advance of commencing site construction works. However, in the case of connection works for **Authorised Generators** and load customers being connected, or already connected, at 33kV NIE may agree to the connection charge being payable during construction of the connection(s), subject to security for payment of the connection charge being provided. Where a connection is to be commissioned or constructed in phases payments will be reflective of those phases with payment details set out in the connection offer.
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4.6 Connection Application Fees

- 4.6.1 An **Authorised Generator** seeking a connection offer will be required to pay a connection application fee (“CAF”) reflecting the costs incurred by NIE in producing the connection offer. The CAF shall be either:
- 4.6.1.1 a fixed CAF derived from Schedule 1; or
 - 4.6.1.2 a CAF based on the outturn cost of carrying out the relevant detailed studies, preparing a connection design and issuing a connection offer.
- 4.6.2 The customer shall advise NIE of his preferred payment method for the CAF – fixed fee or outturn cost.
- 4.6.3 Where the customer advises NIE that he wishes to pay the outturn cost of carrying out the relevant detailed studies, preparing a connection design and issuing a connection offer, NIE shall levy the appropriate CAF from Schedule 1 and a reconciliation of the actual charge will be carried out after a determination of the final costs.
- 4.6.4 Where a customer wishes to connect a generator to the **Distribution System** and to do so may require works on the **Transmission System**, NIE is obliged to pay a connection application fee to SONI reflecting the costs incurred by SONI in assessing the generator’s effect on the **Transmission System**. Where SONI levies a connection application fee on NIE, then NIE shall recover that fee from the customer, as set out in Schedule 1.
- 4.6.5 The CAF is payable in advance of carrying out any connection design work. Delays in production of the connection offer may occur if the CAF is not received in a timely manner.
- 4.6.6 Any **Authorised Generator** applying for an offer to modify an existing connection will be required to pay a CAF reflecting the costs incurred by NIE in producing the connection modification offer. The CAF for a connection modification offer is calculated on a case by case basis.
- 4.6.7 Where an **Authorised Generator** wishes to change any aspect of a connection application then the **Authorised Generator** may be obliged to pay a second CAF. The decision on whether or not to levy a charge will depend on the materiality of the change to the application.

5 Customers who are neither an Over 1MW Customer nor an Authorised Generator

- 5.1 Any customer in this category wishing to connect, or to modify an existing connection, to the **Distribution System** will be required to pay:
- 5.1.1 60% of the estimated cost of installing new and/or modified **Connection Assets**, where such **Connection Assets** are required to create new or increased connection capacity to the **Distribution System**;
 - 5.1.2 the estimated cost of installing new and/or modified **Connection Assets**, where such **Connection Assets** are installed at the request of the customer for his benefit and are not required to create new or increased connection capacity to the **Distribution System**;
 - 5.1.3 the estimated cost of installing new and/or modified **Connection Assets** for un-metered connections to the **Distribution System**;
 - 5.1.4 60% of a proportion of the estimated cost of any new **Connection Assets** which are to be shared with others who are connecting simultaneously, if any (refer to sub-paragraph 6.8.3 for further guidance);
 - 5.1.5 where applicable, a proportion of the cost of any existing **Connection Assets** to be shared with **Domestic Premises** which are already connected, if any (refer to sub-paragraphs 6.8.1 – 6.8.2 for further guidance);
 - 5.1.6 60% of certain pass-through costs incurred by NIE in undertaking the connection works as set out in the offer of connection. For example, any environmental planning costs, any costs incurred in acquiring planning consents, any costs incurred in complying with any conditions of planning consents, any external legal costs, any costs incurred in seeking, obtaining and paying for wayleaves or easements and any costs relating to exceptional land conditions or exceptional civil works.
- 5.2 Notwithstanding the provisions of sub-paragraph 5.1:
- 5.2.1 where a customer wishes to connect a new housing development with 12 or more **Domestic Premises** or to extend an existing development of fewer **Domestic Premises**, the customer will pay a standard connection charge of £395 for each **Domestic Premises**, assuming the customer will provide, without charge to NIE, all low voltage cable trenching, joint holes and suitable back-filling material for bedding and blinding cables, including service cable trenching and backfilling but excluding any system development work unrelated to the provision of electricity supplies to the development. In addition to the standard connection charge of £395 for each **Domestic Premises**, a customer will also be liable for charges relating to any abnormal costs incurred in providing the connection. Such charges may arise from, among other things, departure from standard construction methods and unusually low density of the development;
 - 5.2.2 where the capacity of a new connection will be taken up over a number of years, or where the extent to which the supply will be taken up is not reasonably ascertainable at the time of connection, the cost of the connection will be payable in full in advance. In such cases, to the extent that the capacity is taken up within

a certain period, normally 3 years, a rebate on the connection charge may be payable in respect of advance payments; and

- 5.2.3 where in NIE's view the recovery of 40% of the cost of a high value, low usage connection from all suppliers through charges for use of the **Distribution System** is an excessive subsidy for the customer being connected, then the customer will be charged the full cost of the connection.
- 5.3 In the case of new housing developments, the connection charge is payable in advance of energising each premises and in all other cases the connection charge is payable in full in advance of commencing site construction works.
- 5.4 Where a customer pays 60% of any connection costs, the balance will be recovered by NIE through charges levied on suppliers for use of the **Distribution System**. It should also be noted that for premises where the connection capacity is greater than 70kVA and where the customer has paid 60% of the connection charge, the chargeable service capacity charge levied on the supplier for that premises will be set for a period of five years after the initial connection at the maximum demand figure in kVA formally agreed between the customer and NIE. Suppliers may choose to pass these charges through to their customers.

6 Charging Arrangements Applicable to all Customers

- 6.1 The work to be done and the connection charge payable will inevitably depend on the requirements of the customer seeking the connection, on the condition of the assets at the point of connection, on the planning and security standards applicable and on any other relevant matters. An illustrative list of circumstances which could lead to increased connection charges is provided in Schedule 5.
- 6.2 A customer seeking a connection for a temporary supply will be charged the full cost of the connection. However, a portion of the connection charge in respect of assets which are recoverable in a cost effective manner by NIE on the termination of the temporary supply may be either waived or refunded at the sole discretion of NIE. Any such waiver or refund will be set out in the connection offer.
- 6.3 Where a customer's connection requires that works already planned by NIE on the **Distribution System** are advanced or altered, the customer will be liable to pay for any incremental costs incurred by NIE in deviating from its original plan.
- 6.4 If requested by the customer, NIE will provide as part of the connection offer an estimate of the connection charge, identifying the costs of the main items of expenditure in a manner consistent with the level of detail provided in Schedules 2 and 3.
- 6.5 All assets which were installed on the Northern Ireland **Distribution System** at April 1992 are funded through use of system charges. New or existing customers will not therefore be charged through a connection charge for pre-April 1992 plant, equipment or cabling which is utilised as part of the local connection arrangements, even if they require to be refurbished, modified or replaced due to asset condition or for wider system needs. However, where a new or existing customer requests that any pre-April 1992 plant, equipment or cabling is refurbished, modified or replaced to meet the capacity requirements of that customer then the new or modified assets will be defined as **Connection Assets** and a connection charge will be levied in accordance with this section and Sections 4 or 5, as applicable.
- 6.6 The connection charge may include an element to provide for the operation and maintenance (O&M) costs over the lifetime of the connection. Where such an O&M charge is levied it shall be paid as part of the connection charge. It shall be set at 2% of the **Connection Asset** value, increasing in real terms over the lifetime of the **Connection Agreement**, and discounted back to a present value using the regulated rate of return.
- 6.7 LCTA Principle
- 6.7.1 NIE will normally offer a customer the **Least Cost Technically Acceptable ("LCTA")** connection.
- 6.7.2 Where a customer requests a connection design which is more expensive than the **LCTA** connection then, if that option is acceptable to NIE, the customer will be required to pay in full the estimated cost of providing the additional **Connection Assets** necessary to meet the customer's requirements, in addition to the connection charge levied under Section 4 or 5, as appropriate.
- 6.7.3 There may be occasions where NIE decides for its own reasons that the preferred design is not the **LCTA** connection. In that event, the customer, or group of

customers, will only be required to pay for the estimated cost of the **LCTA** connection.

6.8 Sharing **Connection Assets**

- 6.8.1 Where a new customer is connected to the **Distribution System** by making use of existing **Connection Assets** which were funded by an existing domestic customer(s) who connected within the preceding five years, the new customer will be charged a proportion of the value of the shared **Connection Assets**, calculated in accordance with the Electricity (Connection Charges) Regulations (Northern Ireland) 1992.
- 6.8.2 If the existing domestic customer(s) was connected within the preceding five years then that customer(s) will be entitled to receive a partial rebate of the original connection charge from NIE, less a payment to NIE in respect of reasonable administrative expenses.
- 6.8.3 Where a number of customers connect simultaneously and share the use of **Connection Assets**, each customer will be charged a proportion of the estimated cost of the shared **Connection Assets**. Each customer's charge will be based on the ratio of their connection capacity to the total connected capacity making use of the shared **Connection Assets**.

6.9 De-energisation and Decommissioning Charges

- 6.9.1 Where a customer gives reasonable advance notice of a requirement for a temporary de-energisation of their connection, and such de-energisation can be provided by removal of fuses or similar means during normal working hours, then NIE will arrange to de-energise, and subsequently re-energise on a similar request, the connection with no charge to the customer. Requests for temporary de-energisation, and subsequent re-energisation, in all other circumstances will require the customer to pay all reasonable costs incurred by NIE in taking such action.
- 6.9.2 Where temporary de-energisation (and subsequent re-energisation) results from the failure by a customer to comply with the terms of their **Connection Agreement** then the costs of such action shall be paid by the customer.
- 6.9.3 Where a customer requires a connection to be decommissioned the customer will be required to pay all reasonable costs incurred by NIE in disconnecting the customer from the **Distribution System**. NIE may remove **Connection Assets** from the site. Where it is cost effective to do so, NIE will remove such equipment at no charge to the customer. Where it is not cost effective to do so, for example in the case of buried cables, the **Connection Assets** will normally be made safe and left on the site. If the customer requires NIE to remove the **Connection Assets** from the site where such removal is not cost-effective then the cost of removal, less any scrap value, shall be payable by the customer. All such equipment will remain the property of NIE unless otherwise agreed in writing with NIE. If the assets are utilised on the **Distribution System** within a period of five years a refund of part of the connection charge will be paid to the original customer. The refund will be calculated as the net current cost accounting asset value at the time the asset is brought back into use, less the cost of maintaining

and storing the asset while out of service and NIE's reasonable administration expenses. NIE will maintain a register of such plant where a refund may be pending.

6.10 Indicative Charges

6.10.1 Indicative charges for connection to the **Distribution System** are provided in Schedules 2 and 3 of this statement. These schedules provide typical costs for the main items of expenditure, excluding VAT, for a new or modified connection to the **Distribution System**. These costs are based on current market information, budgetary quotes received from manufacturers and recent tenders. While NIE believes these costs are reasonable at the time of publication actual costs can vary significantly depending on, for example, movements in labour and raw material costs, site conditions and planning requirements.

6.10.2 Factors which may influence connection charges are:

- 6.10.2.1 statutory and other standards governing the system;
- 6.10.2.2 the length of cable or overhead line required to connect to the existing system;
- 6.10.2.3 the customer's **MEC** or **MIC** in relation to the available capacity of the existing system;
- 6.10.2.4 whether the connection is by underground cable or overhead lines;
- 6.10.2.5 the type of ground requiring excavation;
- 6.10.2.6 the type and extent of reinstatement necessary;
- 6.10.2.7 the need for river, railway, telecommunication, other electric circuit and road crossings;
- 6.10.2.8 the availability of wayleaves or easements for cables or lines, including any planning consents;
- 6.10.2.9 the availability of a suitable substation site, including any necessary planning consents; and
- 6.10.2.10 the connection programme.

6.10.3 The examples in sub-paragraph 6.10.2 should not be regarded as a comprehensive list.

7 Contact Details

- 7.1 Should you require any further details about the information contained in this statement or if you have any comments on how this statement might be improved please contact NIE at one of the addresses below.
- 7.2 Additional information on the connection process can be obtained at NIE's website at www.nie.co.uk.

Applications for connection to the **Distribution System** or for modifications to existing **Connection Assets**:

Northern Ireland Electricity plc
57 Dargan Road
BELFAST
BT3 9JU
Tel 08457 643 643

Northern Ireland Electricity plc
Carn Industrial Estate
CRAIGAVON
BT63 5QJ
Tel 08457 643 643

Northern Ireland Electricity plc
Pennybridge Industrial Estate
Larne Road
BALLYMENA
BT42 3HB
Tel 08457 643 643

Use of System and Network Enquiries:

Northern Ireland Electricity plc
Fortwilliam House
Edgewater Office Park
Edgewater Road
BELFAST
BT3 9JQ
Tel 028 9066 1100

8 Definitions

“Authorised Generator”	means a person who generates, or when connected to the Distribution System will generate, electricity for the purpose of giving a supply to any premises or enabling a supply to be so given and who is, or will be when connected to the Distribution System , authorised to do so by a licence or exemption;
“Authority”	means the Northern Ireland Authority for Utility Regulation, as established under the Energy Order ;
“Connection Agreement”	an agreement between NIE and a customer setting out the terms relating to a connection to the Distribution System ;
“Connection Assets”	means: <ol style="list-style-type: none">1. those assets required to connect the customer’s assets to the Distribution System, including, as appropriate, civil works, electrical lines, electrical plant, meters, telemetry and data processing equipment;2. those assets required to reinforce the Distribution System which are at the connection voltage level and one voltage level above; and3. in the case of a customer connecting at 33kV, those assets required to reinforce the Transmission System at 110kV which are installed to enable the transfer of the customer’s Maximum Export Capacity or Maximum Import Capacity, disregarding electricity flows caused by any other customer;
“Distribution Code”	means the code of that name developed pursuant to Condition 27 of the Licence ;
“Distribution System”	means the system which consists (wholly or mainly) of low voltage lines and electrical plant and is used for conveying electricity to any premises or to any other distribution system;
“Domestic Premises”	means premises used wholly or mainly for domestic purposes;
“Energy Order”	means the Energy (Northern Ireland) Order 2003;

“Least Cost Technically Acceptable” or “LCTA”	means the connection which: <ul style="list-style-type: none">• complies with the Transmission and Distribution System Security and Planning Standards; and• complies with any other applicable standard, regulation and code; and• takes into account committed developments on the Distribution System; and• is the least overall cost;
“Licence”	means the licence granted to NIE to participate in the transmission of electricity granted under Article 10(1)(b) of the Order ;
“Maximum Export Capacity” or “MEC”	means the maximum permissible amount of electricity to be exported to the Distribution System as set out in the Connection Agreement ;
“Maximum Import Capacity” or “MIC”	means the maximum permissible amount of electricity to be imported from the Distribution System as set out in the Connection Agreement ;
“Order”	means The Electricity (Northern Ireland) Order 1992, as amended;
“Over 1MW Customer”	means a customer who requests, or has, a load connection with a connection capacity in excess of 1MW;
“Retail Price Index” or “RPI”	means the index of prices compiled by the Office for National Statistics and published as Table RP02 at www.statistics.gov.uk ;
“Transmission and Distribution System Security and Planning Standards”	means the standards referred to in Condition 19 of the Licence ;
“Transmission System”	means the system of electric lines owned by NIE and comprising high voltage lines and electrical plant and meters used for conveying electricity from a generating station to a substation, from one generating station to another, and from one substation to another within the Northern Ireland (including such part of the North/South Circuits as is owned by NIE) (except any such lines which the Authority may approve as being part of the NIE’s Distribution System) and any other electric lines which the Authority may specify as forming part of the Transmission System , but shall not include any Interconnector.

Schedule 1 – Connection Application Fee

The following table sets out the connection application fee(s) payable to NIE by an **Authorised Generator** seeking a connection offer.

<i>Customer Category</i>	<i>Connection Application Fee</i>
Customer requiring a generation capacity of less than or equal to 20kW:	£500.00
Customer requiring a generation capacity of more than 20kW and less than or equal to 150kW:	£1,500.00
Customer requiring a generation capacity of more than 150kW and less than or equal to 2MW:	£5,000.00
Customer requiring a generation capacity of more than 2MW:	£7,500.00
Additional fee for a customer requiring a generation capacity of more than 2MW and less than 20MW and whose connection requires a detailed assessment by SONI for its effect on the Transmission System :	£23,000.00
Additional fee for a customer requiring a generation capacity of more than 20MW and whose connection requires a detailed assessment by SONI for its effect on the Transmission System :	£33,000.00

Notes:

1. For the payment of this fee a customer shall receive a connection offer (except where NIE is relieved from having to make a connection offer pursuant to its **Licence** or the **Order**) within the period defined in Condition 30 of the **Licence** and the offer shall set out any connection and/or reinforcement works required, the dates by when these works are planned to be completed and the connection charges payable. The works specified in the offer will not normally be fully engineered and specified. In particular, any overhead line routes or cable routes will not have been identified and any environmental aspects of the works will not have been fully evaluated. These tasks will not be undertaken until after the acceptance of any offer.
2. The connection application fees in this Schedule 1 are exclusive of Value Added Tax which will be charged at the rate of 17.5%.
3. Where two or more connection applications are processed together as a group of applications NIE may, in its sole discretion, reduce the application fees for each customer if the costs incurred in preparing the offers are reduced.

Schedule 2 – Indicative Costs for Cables and Overhead Lines

	<i>Indicative Cost</i>
<i>Services</i>	
1 Low voltage single phase 100A service cable (10m laid direct in ground incl. jointing)	£970
2 Low voltage three phase 100A service cable (10m laid direct in ground incl. jointing)	£1,010
3 Low voltage three phase 400A service cable (10m laid direct in ground incl. jointing)	£1,203
<i>Mains Extension - Underground Cable</i>	
4 Low Voltage three phase underground cable (10m laid direct in ground incl. jointing)	£1,557
5 11kV three phase underground cable (10m laid direct in ground incl. jointing)	£2,514
6 33kV three phase underground cable (10m laid direct in ground incl. jointing)	£5,725
<i>Mains Extension - Overhead Line</i>	
7 1km of 11kV single phase overhead line	£16,102
8 1km of 11kV three phase overhead line	£18,898
9 1km of 33kV single/three phase overhead line for the connection of domestic/commercial premises with connection capacity of less than 1MW*	£34,322
10 1km of 33kV three phase overhead line for connection of a Wind Farm of up to 22MW	£71,000

* Connections to the 33kV overhead line network are only made in exceptional circumstances and at the sole discretion of NIE. Requests for connection are assessed on an individual basis.

Schedule 3 – Indicative Costs for Plant Items

<i>Plant Item</i>	<i>Indicative Cost</i>	<i>Notes</i>
Substation complete with 2 off 33/11kV transformers, 5 panel 33kV switchboard and 8 panel 11kV switchboard.	£789,000	Excluding civil works.
1000kVA, 11/6.6/0.4kV transformer together with Ring Main Unit and 6-way LV Fuse Cabinet.	£23,712 *	Excluding civil works and kiosk shell.
800kVA, 11/6.6/0.4kV transformer together with Ring Main Unit and 6-way LV Fuse Cabinet.	£21,909 *	Excluding civil works and kiosk shell.
HV Ring Main Unit and Metering Unit (suitable for 11kV or 6.6kV supply for loads greater than 1.0MVA).	£19,660 *	Excluding civil works and kiosk shell. Customer responsible for provision of necessary switchgear accommodation.
HV Ring Main Unit and Metering Unit (suitable for 11kV or 6.6kV supply for loads less than 1.0MVA – single transformer installation only).	£17,122 *	Excluding civil works and kiosk shell. Customer responsible for provision of necessary switchgear accommodation.
100kVA, 11/0.4kV transformer (suitable for small industrial supply).	£5,155	£6,010 including pole change to stout pole
25kVA, 11/0.24kV transformer (suitable for domestic supply)	£2,291	
16kVA, 11/0.24kV transformer (suitable for domestic supply)	£2,110	

* The above are exclusive of in-feed HV cable costs.

Schedule 4 – Notes to Schedules 2 and 3

1. All indicative costs are exclusive of any costs associated with land purchase, wayleaves, legal fees, environmental impact assessments, communications equipment, metering equipment, SCADA equipment, applications for planning permission or compliance with any conditions of planning permission as these costs vary considerably for each individual project.
2. All indicative costs are inclusive of manufacture, supply, delivery, erection, commissioning and any NIE project oncosts.
3. All indicative costs are based on the assumptions that all sites are accessible by means of routes that are suitable for heavy loads, such as the transformers, and that there are no road infrastructure or bridge reinforcement costs.
4. Indicative transformer costs do not include for provision of noise enclosures.
5. Schedule 2 provides indicative costs for the installation of cable and overhead lines of specified lengths. Costs to install lengths other than those specified may not vary in direct proportion to their relative lengths.
6. Costs only make provision for excavation, backfilling and permanent reinstatements, where relevant.
7. Indicative costs do not include costs for excavation and reinstatement on a customer's property.
8. "Low Voltage" in Schedules 1 and 2 means not exceeding 1000V.

Schedule 5 – Circumstances which could lead to increased connection charges

The following is an illustrative list of circumstances which could lead to increased connection charges:

1. Failure to provide and/or install ducts to facilitate the installation of services into premises.
2. Work unable to be progressed in an orderly fashion in accordance with normal engineering policies and practices thus imposing additional costs.
3. Transformer/substation sites not provided to NIE in suitable locations at nominal prices or rents, taking account of cable access as well as access by personnel.
4. Failure to provide all necessary civil works including ducts, access ways, cable chases and covers, etc in multiple occupancy premises.
5. "Dirty" loads which affect the on-going security and standard of service on the system.
6. Failure to provide adequately clean cable trenching.
7. Failure to have all cable trenching and joint holes prepared prior to the date agreed between NIE and the applicant.
8. Failure to have a suitable metering location prepared which must have been previously agreed with NIE.