



## **INDEPENDENT POWER NETWORKS LIMITED**

### **Use of System Charging Statement**

This Statement is in a form to be approved by the Gas and electricity Markets Authority

### **INDICATIVE NOTICE**

**Effective from 1<sup>st</sup> April 2012**

**Version 1**

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## 1. Introduction

1.1. This statement has been prepared in order to discharge Independent Power Networks Limited (IPNL)'s obligation under Standard Licence Condition 14 of our Electricity Distribution Licence. It contains information on our charges<sup>1</sup> and charging principles for use of our Distribution System. It also contains information on our Line Loss Factors.

1.2. If you have any questions about this statement please contact us at the address shown below:

Pricing Manager

IPNL

Driscoll 2

Ellen Street

CARDIFF

South Wales

CF10 4BP

Email : [commercial&regulatory@envoyonline.co.uk](mailto:commercial&regulatory@envoyonline.co.uk)

Telephone 02920 314028

1.3. All enquiries regarding Connection Agreements and Changes to Maximum Capacities should be addressed to:

Pricing Manager

IPNL

Driscoll 2

Ellen Street

CARDIFF

South Wales

CF10 4BP

Email : [commercial&regulatory@envoyonline.co.uk](mailto:commercial&regulatory@envoyonline.co.uk)

Telephone 02920 314028

1.4. For all other queries please contact our general enquiries telephone number: 0845 055 6199, lines are open 8.30 am - 5pm Monday to Thursday and 8.30am - 4.30 pm Friday.

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<sup>1</sup> Charges can be positive or negative.

## **2. Charge Application and Definitions**

### **Supercustomer Billing and Payment**

- 2.1. Supercustomer billing and payment applies to Metering Points registered as Non-Half Hourly (NHH) metered. The Supercustomer approach makes use of aggregated data obtained from the Supercustomer DUoS Report.
- 2.2. Invoices are calculated on a periodic basis and sent to each User, for whom IPNL is transporting electricity through its Distribution System. Invoices are reconciled, over a period of approximately 14 months, to ensure the cash positions of Users and IPNL are adjusted to reflect later and more accurate consumption figures.
- 2.3. The charges applied are determined by the combination of the Line Loss Factor Class (LLFC), Profile Class (PC) and Standard Settlement Configuration (SSC) registered to the MPAN, and the units consumed within the time periods specified in this statement. All charges are assigned at the sole discretion of IPNL. The charges in this document are shown exclusive of VAT. Invoices take account of previous Settlement runs and include VAT.

### **Supercustomer Charges**

- 2.4. Supercustomer charges are generally billed through the following components:
  - A fixed charge - pence/MPAN/day, there will only be one fixed charge applied to each Metering Point Administration Number (MPAN) in respect of which you are registered; and
  - Unit charges - pence/kilowatt-hour (kWh), based on the active consumption/production as provided through Settlement. More than one kWh charge may be applied.
- 2.5. These charges apply to Exit/Entry Points where NHH metering is used for Settlement.
- 2.6. Users who wish to supply electricity to Customers whose Metering System is Measurement Class A and settled on Profile Classes 1 through to 8 will be allocated the relevant charge structure set out in Annex 1.
- 2.7. Valid Settlement Profile Class/Standard Settlement Configuration/Meter Timeswitch Code (PC/SSC/MTC) combinations are detailed in Market Domain Data (MDD).
- 2.8. The time periods for the charge rates are as specified by the SSC. To determine the appropriate charge rate for each SSC/TPR a lookup table is provided on the ENA website<sup>2</sup>.
- 2.9. IPNL does not apply a default tariff for invalid combinations. Where an invalid combination is received we will match it to the closest possible tariff based on voltage and profile class.

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<sup>2</sup> <http://2010.energynetworks.org/storage/DNO CDCM SSC TPR decoding for unit rates version3.xlsx>

2.10. The Domestic Off-Peak and Small Non-Domestic Off-Peak charges are supplementary to either an Unrestricted or a Two Rate charge.

#### **Site-Specific Billing and Payment**

2.11. Site-specific billing and payment applies to Metering Points registered as Half Hourly (HH) metered. The site-specific billing and payment approach to Use of System billing makes use of Half Hourly (HH) metering data received through Settlement.

2.12. Invoices are calculated on a periodic basis and sent to each User, for whom IPNL is transporting electricity through its Distribution System. Where an account is based on estimated data, the account shall be subject to any adjustment which may be necessary following the receipt of actual data from the User.

#### **Site-Specific Billed Charges**

2.13. Site-Specific billed charges may include the following components:

- A fixed charge pence/MPAN/day;
- A capacity charge, pence/kVA/day, for agreed Maximum Import Capacity (MIC) and/or Maximum Export Capacity (MEC);
- An excess capacity charge, pence/kVA/day, if a site exceeds its MIC and/or MEC;
- Unit charges, pence/kWh, for transportation of electricity over the system; and
- An excess reactive power charge, pence/kVAh, for each unit in excess of the reactive charge threshold.

2.14. These charges apply to Exit/Entry Points where HH metering, or an equivalent meter, is used for Settlement purposes.

2.15. Users who wish to supply electricity to Customers whose Metering System is Measurement Class C or E or CVA will be allocated the relevant charge structure dependent upon the voltage and location of the Metering Point.

2.16. Fixed charges are generally levied on a pence per MPAN basis. Where two or more HH MPANs are located at the same point of connection (as identified in the connection agreement), with the same LLFC, and registered to the same Supplier, only one daily fixed charge will be applied.

2.17. LV & HV Designated Properties will be allocated the relevant charge structure set out in Annex 1.

2.18. The time periods for the application of unit charges to LV & HV Designated Properties are as set out in Annex 7.

2.19. Designated EHV Properties as calculated using the EDCM will be allocated the relevant charge structure set out in Annex 2.

2.20. The time periods for the application of unit charges to Designated EHV Properties are as set out in Annex 7.

### **Charges for Unmetered Supplies**

2.21. Users who wish to supply electricity to Customers whose Metering System is Measurement Class B or Measurement Class D will be allocated the relevant charge structure in the Annex 1.

2.22. These charges are available to Exit Points which IPNL deems to be suitable as Unmetered Supplies as permitted in the Electricity (Unmetered Supply) Regulations 2001<sup>3</sup> and where operated in accordance with BSCP520<sup>4</sup>.

2.23. The time periods for the application of unit charges to connections which are pseudo HH metered are the same as those in paragraph 2.18.

### **Use of System Charges Out of Area**

2.24. IPNL does not have a Distribution Services Area.

### **Application of Capacity Charges**

#### **Chargeable Capacity**

2.25. The Chargeable Capacity is, for each billing period, the highest of the MIC/MEC or the actual capacity, calculated as detailed below.

2.26. The MIC/MEC will be agreed with IPNL at the time of connection or pursuant to a later change in requirements. Following such an agreement (be it at the time of connection or later) no reduction in MIC/MEC will be allowed for a period of one year. In the absence of an agreement the chargeable capacity, save for error or omission, will be based on the last MIC and/or MEC previously agreed by the distributor for the relevant premises' connection. A Customer can seek to agree or vary the MIC and/or MEC by contacting IPNL using the contact details in paragraph 1.3.

2.27. Reductions to the MIC/MEC may only be permitted once in a 12 month period and no retrospective changes will be allowed. Where MIC/MEC is reduced the new lower level will be agreed with reference to the level of the Customer's maximum demand. It should be noted that where a new lower level is agreed the original capacity may not be available in the future without the need for network reinforcement and associated cost.

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<sup>3</sup> The Electricity (Unmetered Supply) Regulations 2001 available from <http://www.legislation.gov.uk/ukxi/2001/3263/made>

<sup>4</sup> Balancing and Settlement Code Procedures on unmetered supplies and available from <http://www.elexon.co.uk/pages/bscps.aspx>

### **Demand Chargeable Capacity**

$$\text{Demand Chargeable Capacity} = \text{Max}(2 \times \sqrt{\text{AI}^2 + \max(\text{RI}, \text{RE})^2}, \text{MIC})$$

Where:

AI = Import consumption in kWh

RI = Reactive import in kVArh

RE = Reactive export in kVArh

MIC = Maximum Import Capacity in kVA

- 2.28. This calculation is completed for every half hour and the maximum value from the billing period is captured.
- 2.29. Only kVArh Import and kVArh Export values occurring at times of kWh Import are used.

### **Generation Chargeable Capacity**

$$\text{Generation Chargeable Capacity} = \text{Max}(2 \times \sqrt{\text{AE}^2 + \max(\text{RI}, \text{RE})^2}, \text{MEC})$$

Where:

AE = Export Production in kWh

RI = Reactive import in kVArh

RE = Reactive export in kVArh

MEC = Maximum Export Capacity in kVA

- 2.30. This calculation is completed for every half hour and the maximum value from the billing period is captured.
- 2.31. Only kVArh Import and kVArh Export values occurring at times of kWh Export are used.

### **Standby Capacity for Additional Security on Site**

- 2.32. Where standby capacity charges are applied, the charge will be set at the same rate as that applied to normal MIC.

### **Exceeded Capacity**

- 2.33. Where a Customer takes additional unauthorised capacity over and above the MIC/MEC, the excess will be classed as Exceeded Capacity. The exceeded portion of the capacity will be charged at the excess capacity charge p/kVA/day rate, based on the difference between the MIC/MEC and the actual capacity. This will be charged for the duration of the full month in which the breach occurs.

### Minimum Capacity Levels

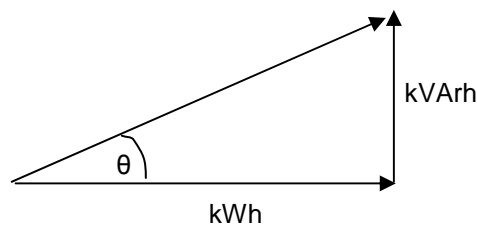
2.34. There is no minimum capacity threshold.

### Application of charges for excess reactive power

2.35. The excess reactive power charge applies when a site's reactive power (measured in kVArh) exceeds 33% of total active power (measured in kWh) in any half-hourly period. This threshold is equivalent to an average power factor of 0.95 during the period. Any reactive units in excess of the 33% threshold are charged at the rate appropriate to the particular charge.

2.36. Power Factor is calculated as follows:

$\cos \theta = \text{Power Factor}$



2.37. The chargeable reactive power is calculated as follows:

### Demand Chargeable Reactive Power

$$\text{Demand Chargeable kVArh} = \max \left( \max(\text{RI}, \text{RE}) - \left( \sqrt{\left( \frac{1}{0.95^2} - 1 \right)} \times \text{AI} \right), 0 \right)$$

Where:

AI = Active Import in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

2.38. This calculation is completed for every half hour and the values summated over the billing period.

2.39. Only kVArh Import and kVArh Export values occurring at times of kWh Import are used.

2.40. The square root calculation will be to two decimal places.

### Generation Chargeable Reactive Power

$$\text{Generation Chargeable kVArh} = \max \left( \max(\text{RI}, \text{RE}) - \left( \sqrt{\left( \frac{1}{0.95^2} - 1 \right)} \times \text{AE} \right), 0 \right)$$

Where:

AE = Active Export in kWh

RI = Reactive Import in kVArh

RE = Reactive Export in kVArh

- 2.41. This calculation is completed for every half hour and the values summated over the billing period.
- 2.42. Only kVArh Import and kVArh Export values occurring at times of kWh Export are used.
- 2.43. The square root calculation will be to two decimal places.

**Provision of billing data**

- 2.44. Where HH metering data is required for Use of System charging and this is not provided through Settlement processes, such metering data shall be provided by the User of the system to IPNL in respect of each calendar month within 5 working days of the end of that calendar month. The metering data shall identify the amount consumed and/or produced in each half hour of each day and shall separately identify active and reactive import and export. Metering data provided to the IPNL shall be consistent with that received through the metering equipment installed. Metering data shall be provided in an electronic format specified by IPNL from time to time and in the absence of such specification, metering data shall be provided in a comma separated text file in the format of D0036 MRA data flow (as agreed with the DNO). The data shall be e-mailed to [commercial&regulatory@envoyonline.co.uk](mailto:commercial&regulatory@envoyonline.co.uk).
- 2.45. IPNL requires reactive consumption or production to be provided for all Measurement Class C (mandatory HH metered) sites and for Measurement Class E (elective HH metered sites). IPNL reserves the right to levy a charge on Users who fail to provide such reactive data. In order to estimate missing reactive data, a Power Factor of 0.9 lag will be applied to the active consumption in any half hour.

**Licensed Distributor Network Operator (LDNO) charges**

- 2.46. LDNO charges are applied to LDNOs who operate Embedded Networks within IPNL networks.
- 2.47. The charge structure for LV and HV Designated Properties end users embedded in such Networks operated by LDNOs will mirror the structure of the 'all-the-way' charge and is dependent upon the voltage of connection of each Embedded Network to the Host network. The same charge elements will apply as those that match the LDNO's end Customer charges.
- 2.48. The charge structure for Designated EHV Properties end-users embedded in Networks operated by LDNOs will be calculated individually using the EDCM.
- 2.49. For Nested Networks the Host DNO charges (or pays) the Nested LDNO on the basis of discounted charges for the voltage of connection of the Intermediate LDNO to the Host DNO, irrespective of the connection of the Nested LDNO to the Intermediate LDNO. Additional arrangements might exist between the Nested LDNO and the Intermediate LDNO; these arrangements are not covered in this statement.

### **3. Schedule of Charges for use of the Distribution System**

- 3.1. Tables listing the charges for the distribution of electricity under use of system are published in annexes of this document.
- 3.2. These charges are also listed in a spreadsheet which is published with this statement and can be downloaded from; [http://www.independentpowernetworks.co.uk/useful\\_documents.php](http://www.independentpowernetworks.co.uk/useful_documents.php)
- 3.3. Annex 1 contains charges to LV and HV Designated Properties.
- 3.4. Annex 2 contains the charges to Designated EHV Properties and charges applied to LDNOs with Designated EHV Properties/end-users on IPNL embedded networks.
- 3.5. Annex 3 contains details of any preserved and additional charges that are valid at this time. Preserved charges are mapped to an appropriate charge and are closed to new Customers.
- 3.6. Annex 4 contains the charges applied to LDNOs with LV and HV Designated Properties end users embedded in Networks on IPNL networks.

## **4. Schedule of Line Loss Factors**

### **Role of Line Loss Factors in the Supply of Electricity**

- 4.1. Electricity entering or exiting the DNOs' networks is adjusted to take account of energy which is lost<sup>5</sup> as it is distributed through the network.
- 4.2. This adjustment is made to ensure that energy bought or sold by a User, from/to a Customer, accounts for energy lost as part of distributing energy to and from the Customer's premises.
- 4.3. DNOs are responsible for calculating the Line Loss Factors (LLFs) and providing these factors to Elexon. Elexon manage the Balancing and Settlement Code. The code covers the governance and rules for the balancing and settlement arrangements.
- 4.4. Annex 5 provides the LLFs which must be used to adjust the Metering System volumes to take account of losses on the Distribution Network.

### **Calculation of Line Loss Factors**

- 4.5. LLFs are calculated in accordance with BSC Procedure (BSCP) 128. BSCP 128 determines the principles which DNOs must comply with when calculating LLFs.
- 4.6. LLFs are either calculated using a generic method or a site specific method. The generic method is used for sites connected at LV or HV and the site specific method is used for sites connected at EHV or where a request for site specific LLFs has been agreed. Generic LLFs will be applied to all new EHV sites until sufficient data is available for a site specific calculation.
- 4.7. The Elexon website (<http://www.elexon.co.uk/pages/losses.aspx>) contains more information on LLFs. This page also has links to BSCP 128 and to our LLF methodology.

### **Line Loss Factor time periods**

- 4.8. LLFs are calculated for a set number of time periods during the year. These time periods are detailed in Annex 5.

### **Line Loss Factor tables**

- 4.9. When using the LLF tables in Annex 5 reference should be made to the LLFC allocated to the MPAN to find the appropriate LLF.
- 4.10. The Elexon Portal website, <https://www.bsccentralservices.com/>, contains the LLFs in standard industry data format (D0265). A user guide with details on registering and using the portal can be downloaded from; <https://www.bsccentralservices.com/index.php/userguide/download>.

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<sup>5</sup> Energy can be lost for technical and non-technical reasons and losses normally occur by heat dissipation through power flowing in conductors and transformers. Losses can also reduce if a customer's action reduces power flowing in the distribution network. This might happen when a customer generates electricity and the produced energy is consumed locally.

## **5. Notes for Designated EHV Properties**

### **EDCM [nodal /network group] costs**

- 5.1. The table in Annex 6 shows the un-scaled [nodal /network group] costs used to calculate the current EDCM charges.
- 5.2. These are illustrative of the modelled costs at the time that this statement was published. A new connection will result in changes to current network utilisations which will then form the basis of future prices, i.e. the charge determined in this statement will not necessarily be the charge in subsequent years because of the interaction between new and existing network connections.

## **6. Electricity Distribution Rebates**

- 6.1. IPNL has neither given nor announced any distribution use of system rebates to Users in the 12 months preceding the date of publication of this revision of the statement.

## **7. Accounting and Administration Services**

### **Administration Charge**

- 7.1. Where a User has failed to settle a DUoS invoice or notify IPNL of a bona fide dispute, in accordance with the Use of System agreement an account review charge may be made to cover the associated credit control, administration, invoicing and collection costs. This is in addition to the interest charge that will be made in accordance with clause 23.3 of the Distribution Connection and Use of System Agreement (DCUSA)

This charge will be;

Size of Unpaid debt	Late Payment fee
Up to £999.99	£40.00
£1000-£9999.99	£70.00
Over £10000	£100.00

## **8. Charges for electrical plant provided ancillary to the grant of Use of System**

- 8.1. None

## 9. Glossary of Terms

9.1. The following definitions are included to aid understanding:

Term	Definition
Balancing and Settlement Code (BSC)	The Balancing and Settlement Code contains the governance arrangements for electricity balancing and settlement in Great Britain. An over view document is available from " <a href="http://www.elexon.co.uk/ELEXON/Documents/trading_arrangements.pdf">www.elexon.co.uk/ELEXON Documents/trading_arrangements.pdf</a> ".
CDCM	The Common Distribution Charging Methodology used for calculating charges to Designated Properties as required by standard licence condition 13A of the Electricity Distribution Licence.
Customer	A person to whom a User proposes to supply, or for the time being supplies, electricity through an Exit Point, or from who, a User or any relevant exempt Supplier, is entitled to recover charges, compensation or an account of profits in respect of electricity supplied though an Exit Point. Or A person from whom a User purchases, or proposes to purchase, electricity, at an Entry Point (who may from time to time be supplied with electricity as a Customer of that User (or another electricity supplier) through an Exit Point).
CVA	Central volume allocation in accordance with the BSC.
Designated EHV Properties	As defined in standard condition 13B of the Electricity Distribution Licence.
Designated Properties	As defined in standard condition 13A of the Electricity Distribution Licence.
Distributed Generator	A generator directly connected or embedded within the Distribution System.
Distribution Connection and Use of System Agreement (DCUSA)	The Distribution Connection and Use of System Agreement (DCUSA) is a multi-party contract between the licensed electricity distributors, suppliers and generators of Great Britain. It is a requirement that all licensed electricity distributors and suppliers become parties to the DCUSA.
Electricity Distribution Licence	The Electricity Distribution Licence granted or treated as granted pursuant to section 6(1) of the Electricity Act 1989.
Distribution Network Operator (DNO)	An Electricity Distributor who operates one of the fourteen Distribution Services Areas and in whose Electricity Distribution Licence the requirements of Section B of the standard conditions of that licence have effect.
Distribution Services Area	The area specified by the Authority that a DNO as Distribution Services Provider will operate.

<b>Term</b>	<b>Definition</b>
Distribution Services Provider	An Electricity Distributor in whose Electricity Distribution Licence the requirements of Section B of the standard conditions of that licence have effect.
Distribution System	The system consisting (wholly or mainly) of: <ul style="list-style-type: none"> <li>• electric lines owned or operated by an authorised distributor that is used for the distribution of electricity from grid supply points or generation sets or other Entry Points to the points of delivery to Customers or Users; or</li> <li>• any transmission licensee in its capacity as operator of that licensee's transmission system or the GB transmission system;</li> <li>• and includes any remote transmission assets (owned by a transmission licensee within England and Wales) that are operated by that authorised distributor and any electrical plant, electricity meters, and Metering Equipment owned or operated by it in connection with the distribution of electricity, but does not include any part of the GB transmission system.</li> </ul>
EDCM	The EHV Distribution Charging Methodology used for calculating charges to Designated EHV Properties as required by standard licence condition 13B of the Electricity Distribution Licence..
Electricity Distributor	Any person who is authorised by an Electricity Distribution Licence to distribute electricity.
Embedded LDNO	This refers to an LDNO operating a distribution network which is embedded within another distribution network.
Embedded Network	An electricity Distribution System operated by an LDNO and embedded within another distribution network.
Entry Point	A boundary point at which electricity is exported onto a Distribution System to a connected installation or to another Distribution System, not forming part of the total system ( boundary point and total system having the meaning given to those terms in the BSC)
Exit Point	A point of connection at which a supply of electricity may flow from the Distribution System to the Customer's Installation or User's Installation or the Distribution System of another person.
Extra High Voltage (EHV)	Nominal voltages of 22kV and above.
Gas and Electricity Markets Authority (GEMA) (the Authority)	As established by the Utilities Act.
Grid Supply Point	A metered connection between the National Grid Electricity Transmission (NGET) system and The licensee's Distribution System at which electricity flows to or from the Distribution System.

<b>Term</b>	<b>Definition</b>
GSP Group	Grid Supply Point Group; a distinct electrical system, that is supplied from one or more Grid Supply Points for which total supply into the GSP Group can be determined for each half-hour.
High Voltage (HV)	Nominal voltages of at least 1kV and less than 22kV
Host DNO	A distribution network operator that is responsible for a Distribution Services Area as defined in Standard conditions of the Electricity Distribution Licence
Intermediate LDNO	An embedded licenced distribution network operator that is responsible for a Distribution System between a Host DNO and another Embedded Distribution System.
Invalid Settlement Combination	A Settlement combination that is not recognised as a valid combination in Market Domain Data. <a href="http://mddonline.elexon.co.uk/default.aspx">http://mddonline.elexon.co.uk/default.aspx</a>
kVA	Kilovolt amperes
kVArh	Kilovolt ampere reactive hour
kW	Kilowatt
kWh	Kilowatt hour (equivalent to one "unit" of electricity)
LDNO	Licensed Distribution Network Operator.
Line Loss Factor Class (LLFC)	An identifier assigned to an SVA Metering System which is used to assign the LLF and Use of System Charges.
Line Loss Factor (LLF)	The factor which is used in Settlement to adjust the Metering System volumes to take account of losses on the Distribution System.
Low Voltage (LV)	Nominal voltages below 1kV
Market Domain Data (MDD)	Market Domain Data is a central repository of reference data used by all Users involved in Settlement. It is essential to the operation of Supplier Volume Allocation (SVA) Trading Arrangements.
Maximum Export Capacity (MEC)	The Maximum Export Capacity of apparent power expressed in kVA that has been agreed can flow through the Entry Point to the Distribution System from the Customer's installation as specified in the connection agreement.
Maximum Import Capacity (MIC)	The Maximum Import Capacity of apparent power expressed in kVA that has been agreed can flow through the Exit Point from the Distribution System to the Customer's installation as specified in the connection agreement.

<b>Term</b>	<b>Definition</b>
Measurement Class	A classification of Metering Systems which indicates how Consumption is measured i.e. Non Half Hourly Metering Equipment (equivalent to Measurement Class "A") Non Half Hourly Unmetered Supplies (equivalent to Measurement Class "B") Half Hourly Metering Equipment at above 100kW Premises (equivalent to Measurement Class "C") Half Hourly Unmetered Supplies (equivalent to Measurement Class "D") Half Hourly Metering Equipment at below 100kW Premises (equivalent to Measurement Class "E").
Metering Point	The point at which electricity is exported to or imported from the licensee's Distribution System is measured, is deemed to be measured, or is intended to be measured and which is registered pursuant to the provisions of the MRA. (For the purposes of this statement Grid Supply Points are not 'Metering Points')
Metering System	Particular commissioned metering equipment installed for the purposes of measuring the quantities of Exports and Imports at the Boundary Point.
MPAN	Metering Point Administration Number. A number relating to a Metering Point under the MRA.
MRA	The Master Registration Agreement.
MTC	Meter Timeswitch Codes (MTCs) are three digit codes allowing Suppliers to identify the metering installed in Customers' premises. They indicate whether the meter is single or multi rate, pre-payment or credit, or whether it is 'related' to another meter.
Nested LDNO	A distribution system operator that is responsible for a Nested Network.
Nested Networks	This refers to a situation where there is more than one level of Embedded Network and therefore nested distribution systems between LDNOs (e.g. Host DNO→intermediate LDNO→nested LDNO→Customer).
Ofgem	Office of Gas and Electricity Markets – Ofgem is governed by GEMA and is responsible for the regulation of the distribution companies.
Profile Class (PC)	A categorisation applied to NHH MPANs and used in Settlement to group customers with similar consumption patterns to enable the calculation of consumption profiles.
Settlement	The determination and settlement of amounts payable in respect of charges (including reconciling charges) in accordance with the Balancing and Settlement Code
Settlement Class (SC)	The combination of Profile Class, Line Loss Factor Class, Time Pattern Regime and Standard Settlement Configuration, by Supplier within GSP Group and used for Settlement.

<b>Term</b>	<b>Definition</b>
Standard Settlement Configuration (SSC)	A standard metering configuration relating to a specific combination of TPRs.
Supercustomer	The method of billing Users for Use of System on an aggregated basis, grouping consumption and standing charges for all similar NHH metered Customers together.
Supercustomer DUoS Report	A report of profiled data by Settlement Class providing counts of MPANs and units consumed.
Supplier	An organisation with a Supply License which can register itself as supplying electricity to a Metering Point.
Supplier Volume Allocation (SVA)	As defined in the Balancing and Settlement Code.
Supplier Volume Allocation Agent (SVAA)	The agency which uses aggregated consumption data from the Data Aggregator to calculate Supplier purchases by Settlement Class for each Settlement day, and then passes this information to the relevant distributors and Suppliers across the national data transfer network.
Time Pattern Regime (TPR)	The pattern of switching behaviour though time that one or more meter registers follow.
Use of System Charges	Charges for demand and generation Customers which are connected to and utilising the distribution network.
User/s	Someone who has a use of system agreement with the DNO e.g. A Supplier, Generator or LDNO.

## Annex 1 – Schedule of Charges for use of the Distribution System by LV and HV Designated Properties

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EASTERN POWER NETWORK'S DSA ( GSP\_A)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	500,502,843	1	1.685			4.29					A010
Domestic Two Rate	500,502,843	2	2.142	0.200		4.29					A020
Domestic Off Peak (related MPAN)	500,502,843	2	0.147								A021
Small Non Domestic Unrestricted	500,502,843	3	1.453			4.58					A030
Small Non Domestic Two Rate	500,502,843	4	1.631	0.177		4.58					A040
Small Non Domestic Off Peak (related MPAN)	500,502,843	4	0.177								A041
LV Medium Non-Domestic	500,502,843	5-8	1.444	0.175		35.23					A090
LV Sub Medium Non-Domestic		5-8									
HV Medium Non-Domestic											
LV HH Metered	500,502,843	0	7.749	0.216	0.109	11.95	2.58	0.259	2.58		A300
LV Sub HH Metered	501,503	0	6.885	0.172	0.070	8.19	3.75	0.209	3.75		
HV HH Metered	504,844	0	4.669	0.112	0.038	82.40	3.54	0.139	3.54		A400
HV Sub HH Metered	505	0									
NHH UMS	500,502,843	1,8	1.760								A050
LV UMS (Pseudo HH Metered)	500,502	0	15.553	0.885	0.692						A200
LV Generation NHH	648,649,842	8	( 0.800)								A900
LV Sub Generation NHH											
LV Generation Intermittent	506,507,845	0	( 0.800)					0.257			A902
LV Generation Non-Intermittent	650,651,846	0	( 7.361)	( 0.215)	( 0.118)			0.257			A903
LV Sub Generation Intermittent		0	( 0.734)					0.236			
LV Sub Generation Non-Intermittent		0	( 6.813)	( 0.193)	( 0.100)			0.236			
HV Generation Intermittent	508,847	0	( 0.551)			39.34		0.198			A904
HV Generation Non-Intermittent	652,848	0	( 5.318)	( 0.132)	( 0.051)	39.34		0.198			A905
HV Sub Generation Non-Intermittent		0	( 5.204)	( 0.125)	( 0.045)	39.34		0.157			
HV Sub Generation Intermittent		0	( 0.535)			39.34		0.157			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EAST MIDLAND'S DSA ( GSP\_B)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	510,512,853	1	1.871			3.72					B010
Domestic Two Rate	510,512,853	2	2.334	0.057		3.72					B020
Domestic Off Peak (related MPAN)	510,512,853	2	0.410			.					B021
Small Non Domestic Unrestricted	510,512,853	3	1.642			5.00					B030
Small Non Domestic Two Rate	510,512,853	4	1.805	0.049		5.00					B040
Small Non Domestic Off Peak (related MPAN)	510,512,853	4	0.272			.					B041
LV Medium Non-Domestic	510,512,853	5-8	1.709	0.043		31.18					B090
LV Sub Medium Non-Domestic	511,513	5-8	1.201	0.029		9.31					
HV Medium Non-Domestic											
LV HH Metered	510,512,853	0	7.893	0.569	0.033	9.31	2.21	0.303	2.210		B300
LV Sub HH Metered	511,513	0	6.351	0.409	0.022	9.31	3.00	0.246	3.000		
HV HH Metered	514,854	0	4.629	0.231	0.010	93.62	3.86	0.151	3.860		B400
HV Sub HH Metered	515	0									
NHH UMS	510,512,853	1,8	2.425								B050
LV UMS (Pseudo HH Metered)	510,512	0	24.486	2.479	0.686						B200
LV Generation NHH	653,654,852	8	( 0.777)								B900
LV Sub Generation NHH			( 0.669)								
LV Generation Intermittent	516,517,855	0	( 0.777)					0.273			B902
LV Generation Non-Intermittent	655,656,856	0	( 6.419)	( 0.592)	( 0.035)			0.273			B903
LV Sub Generation Intermittent			( 0.669)					0.247			
LV Sub Generation Non-Intermittent			( 5.585)	( 0.497)	( 0.029)			0.247			
HV Generation Intermittent	518,857	0	( 0.488)			16.07		0.197			B904
HV Generation Non-Intermittent	657,858	0	( 4.215)	( 0.328)	( 0.017)	16.07		0.197			B905
HV Sub Generation Non-Intermittent											
HV Sub Generation Intermittent											

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN LONDON POWER NETWORK'S DSA ( GSP\_C)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	520,522,863	1	1.835			3.24					C010
Domestic Two Rate	520,522,863	2	2.377	0.211		3.24					C020
Domestic Off Peak (related MPAN)	520,522,863	2	0.204								C021
Small Non Domestic Unrestricted	520,522,863	3	1.218			3.45					C030
Small Non Domestic Two Rate	520,522,863	4	1.395	0.100		3.45					C040
Small Non Domestic Off Peak (related MPAN)	520,522,863	4	0.301								C041
LV Medium Non-Domestic	520,522,863	5-8	1.523	0.156		29.98					C090
LV Sub Medium Non-Domestic	521,523	5-8									
HV Medium Non-Domestic											
LV HH Metered	520,522,863	0	3.537	0.386	0.068	8.73	2.70	0.278	2.700		C300
LV Sub HH Metered	521,523	0	2.202	0.188	0.023	5.98	5.15	0.198	5.150		
HV HH Metered	524,864	0	1.772	0.137	0.013	64.12	5.44	0.119	5.440		C400
HV Sub HH Metered	525	0									
NHH UMS	520,522,863	1,8	1.691								C050
LV UMS (Pseudo HH Metered)	520,522	0	13.547	1.930	0.633						C200
LV Generation NHH	658,659,862	8	( 0.925)								C900
LV Sub Generation NHH											
LV Generation Intermittent	526,527,865	0	( 0.925)					0.309			C902
LV Generation Non-Intermittent	660,661,866	0	( 4.154)	( 0.471)	( 0.086)			0.309			C903
LV Sub Generation Intermittent		0	( 0.842)					0.285			
LV Sub Generation Non-Intermittent		0	( 3.820)	( 0.416)	( 0.073)			0.285			
HV Generation Intermittent	528,867	0	( 0.581)			30.61		0.245			C904
HV Generation Non-Intermittent	662,868	0	( 2.800)	( 0.232)	( 0.025)	30.61		0.245			C905
HV Sub Generation Non-Intermittent		0	( 3.013)	( 0.239)	( 0.025)	30.61		0.186			
HV Sub Generation Intermittent		0	( 0.621)			30.61		0.186			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN MANWEB'S DSA ( GSP\_D)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	530,532,873	1	3.025			3.55					D010
Domestic Two Rate	530,532,873	2	3.780	0.362		3.55					D020
Domestic Off Peak (related MPAN)	530,532,873	2	0.327								D021
Small Non Domestic Unrestricted	530,532,873	3	2.718			4.51					D030
Small Non Domestic Two Rate	530,532,873	4	2.919	0.214		4.51					D040
Small Non Domestic Off Peak (related MPAN)	530,532,873	4	0.246								D041
LV Medium Non-Domestic	530,532,873	5-8	3.095	0.206		22.20					D090
LV Sub Medium Non-Domestic	531,533	5-8	2.731	0.179		28.53					
HV Medium Non-Domestic											
LV HH Metered	530,532,873	0	12.378	0.907	0.155	17.35	2.34	0.665	2.340		D300
LV Sub HH Metered	531,533	0	10.506	0.591	0.117	6.12	4.86	0.504	4.860		
HV HH Metered	534,874	0	8.076	0.363	0.082	92.72	3.72	0.353	3.720		D400
HV Sub HH Metered	535	0									
NHH UMS	530,532,873	1,8	2.370								D050
LV UMS (Pseudo HH Metered)	530,532	0	15.630	1.587	0.523						D200
LV Generation NHH	663,664,872	8	( 1.153)								D900
LV Sub Generation NHH			( 1.030)								
LV Generation Intermittent	536,537,875	0	( 1.153)					0.433			D902
LV Generation Non-Intermittent	665,666,876	0	( 8.529)	( 0.844)	( 0.125)			0.433			D903
LV Sub Generation Intermittent			( 1.030)					0.403			
LV Sub Generation Non-Intermittent			( 7.729)	( 0.729)	( 0.110)			0.403			
HV Generation Intermittent	538,877	0	( 0.664)			67.71		0.307			D904
HV Generation Non-Intermittent	667,878	0	( 5.514)	( 0.356)	( 0.065)	67.71		0.307			D905
HV Sub Generation Non-Intermittent			( 5.216)	( 0.309)	( 0.060)	67.71		0.226			
HV Sub Generation Intermittent			( 0.616)			67.71		0.226			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN WEST MIDLANDS DSA ( GSP\_E)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVarh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	540,542,883	1	1.897			4.76					E010
Domestic Two Rate	540,542,883	2	2.318	0.095		4.76					E020
Domestic Off Peak (related MPAN)	540,542,883	2	0.189			.					E021
Small Non Domestic Unrestricted	540,542,883	3	1.708			6.15					E030
Small Non Domestic Two Rate	540,542,883	4	1.983	0.084		6.15					E040
Small Non Domestic Off Peak (related MPAN)	540,542,883	4	0.311			.					E041
LV Medium Non-Domestic	540,542,883	5-8	1.761	0.073		35.86					E090
LV Sub Medium Non-Domestic	541,543	5-8	1.205	0.044		10.13					
HV Medium Non-Domestic											
LV HH Metered	540,542,883	0	7.572	0.601	0.048	10.13	3.16	0.293	3.160		E300
LV Sub HH Metered	541,543	0	6.962	0.494	0.029	10.13	4.16	0.230	4.160		
HV HH Metered	544,884	0	4.321	0.258	0.012	101.91	4.90	0.140	4.900		E400
HV Sub HH Metered	545	0									
NHH UMS	540,542,883	1,8	2.479								E050
LV UMS (Pseudo HH Metered)	540,542	0	24.068	2.672	0.820						E200
LV Generation NHH	668,669,882	8	( 0.693)								E900
LV Sub Generation NHH		8	( 0.585)								
LV Generation Intermittent	546,547,885	0	( 0.693)					0.275			E902
LV Generation Non-Intermittent	670,671,886	0	( 5.357)	( 0.584)	( 0.057)			0.275			E903
LV Sub Generation Intermittent			( 0.585)					0.249			
LV Sub Generation Non-Intermittent			( 4.558)	( 0.489)	( 0.044)			0.249			
HV Generation Intermittent	548,887	0	( 0.381)			17.50		0.203			E904
HV Generation Non-Intermittent	672,888	0	( 3.064)	( 0.310)	( 0.020)	17.50		0.203			E905
HV Sub Generation Non-Intermittent											
HV Sub Generation Intermittent											

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN NORTHERN ELECTRIC'S DSA ( GSP\_F)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	550,552,893	1	2.218			4.16					F010
Domestic Two Rate	550,552,893	2	2.644	0.167		4.16					F020
Domestic Off Peak (related MPAN)	550,552,893	2	0.330								F021
Small Non Domestic Unrestricted	550,552,893	3	2.137			3.83					F030
Small Non Domestic Two Rate	550,552,893	4	2.646	0.292		3.83					F040
Small Non Domestic Off Peak (related MPAN)	550,552,893	4	0.378								F041
LV Medium Non-Domestic	550,552,893	5-8	1.996	0.157		21.97					F090
LV Sub Medium Non-Domestic	551,553	5-8	1.729	0.152		54.05					
HV Medium Non-Domestic											
LV HH Metered	550,552,893	0	7.747	1.057	0.107	11.54	1.34	0.282	1.340		F300
LV Sub HH Metered	551,553	0	7.038	0.838	0.074	38.57	1.97	0.232	1.970		
HV HH Metered	554,894	0	5.720	0.598	0.045	98.08	1.76	0.173	1.760		F400
HV Sub HH Metered	555	0									
NHH UMS	550,552,893	1,8	2.088								F050
LV UMS (Pseudo HH Metered)	550,552	0	18.430	2.749	0.300						F200
LV Generation NHH	673,674,892	8	( 0.617)								F900
LV Sub Generation NHH			( 0.540)								
LV Generation Intermittent	556,557,895	0	( 0.617)					0.131			F902
LV Generation Non-Intermittent	675,676,896	0	( 2.655)	( 0.893)	( 0.107)			0.131			F903
LV Sub Generation Intermittent			( 0.540)					0.124			
LV Sub Generation Non-Intermittent			( 2.320)	( 0.785)	( 0.092)			0.124			
HV Generation Intermittent	558,897	0	( 0.355)			103.68		0.092			F904
HV Generation Non-Intermittent	677,898	0	( 1.509)	( 0.533)	( 0.055)	103.68		0.092			F905
HV Sub Generation Non-Intermittent			( 1.338)	( 0.479)	( 0.047)	103.68		0.063			
HV Sub Generation Intermittent			( 0.316)			103.68		0.063			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN NORTH WEST ELECTRICITY'S DSA ( GSP\_G)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	560,562,903	1	2.566			2.99					G010
Domestic Two Rate	560,562,903	2	2.912	0.255		2.99					G020
Domestic Off Peak (related MPAN)	560,562,903	2	0.249								G021
Small Non Domestic Unrestricted	560,562,903	3	2.078			2.98					G030
Small Non Domestic Two Rate	560,562,903	4	2.306	0.209		2.98					G040
Small Non Domestic Off Peak (related MPAN)	560,562,903	4	0.223								G041
LV Medium Non-Domestic	560,562,903	5-8	1.993	0.168		22.58					G090
LV Sub Medium Non-Domestic	561,563	5-8	1.662	0.133		53.36					
HV Medium Non-Domestic											
LV HH Metered	560,562,903	0	9.198	0.618	0.094	10.32	3.24	0.247	3.240		G300
LV Sub HH Metered	561,563	0	10.097	0.613	0.095	30.21	3.14	0.253	3.140		
HV HH Metered	564,904	0	7.882	0.385	0.061	88.72	2.97	0.178	2.970		G400
HV Sub HH Metered	565	0									
NHH UMS	560,562,903	1,8	2.907								G050
LV UMS (Pseudo HH Metered)	560,562	0	27.819	3.377	1.711						G200
LV Generation NHH	678,679,902	8	( 0.879)								G900
LV Sub Generation NHH		8	( 0.680)								
LV Generation Intermittent	566,567,905	0	( 0.879)					0.224			G902
LV Generation Non-Intermittent	680,681,906	0	( 9.020)	( 0.856)	( 0.128)			0.224			G903
LV Sub Generation Intermittent		0	( 0.680)					0.179			
LV Sub Generation Non- Intermittent		0	( 7.066)	( 0.648)	( 0.098)			0.179			
HV Generation Intermittent	568,907	0	( 0.428)			5.50		0.120			G904
HV Generation Non-Intermittent	682,908	0	( 4.628)	( 0.381)	( 0.059)	5.50		0.120			G905
HV Sub Generation Non- Intermittent		0	( 3.210)	( 0.226)	( 0.036)	5.50		0.069			
HV Sub Generation Intermittent		0	( 0.283)			5.50		0.069			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTHERN ELECTRIC'S DSA ( GSP\_H)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	570,572,913	1	2.213			2.53					H010
Domestic Two Rate	570,572,913	2	2.303	0.123		2.53					H020
Domestic Off Peak (related MPAN)	570,572,913	2	0.277								H021
Small Non Domestic Unrestricted	570,572,913	3	1.706			3.98					H030
Small Non Domestic Two Rate	570,572,913	4	2.340	0.124		3.98					H040
Small Non Domestic Off Peak (related MPAN)	570,572,913	4	0.263								H041
LV Medium Non-Domestic	570,572,913	5-8	1.661	0.097		21.26					H090
LV Sub Medium Non-Domestic	571,573	5-8	1.191	0.062		3.24					
HV Medium Non-Domestic											
LV HH Metered	570,572,913	0	8.926	1.113	0.064	8.23	2.37	0.299	2.370		H300
LV Sub HH Metered	571,573	0	7.832	0.618	0.026	3.24	4.53	0.233	4.530		
HV HH Metered	574,914	0	8.162	0.569	0.023	78.96	5.07	0.215	5.070		H400
HV Sub HH Metered	575	0	5.369	0.331	0.012	132.76	3.21	0.187	3.210		
NHH UMS	570,572,913	1,8	2.347								H050
LV UMS (Pseudo HH Metered)	570,572	0	19.057	3.312	0.528						H200
LV Generation NHH	683,684,912	8	( 0.674)								H900
LV Sub Generation NHH			( 0.588)								
LV Generation Intermittent	576,577,915	0	( 0.674)					0.186			H902
LV Generation Non-Intermittent	685,686,916	0	( 4.640)	( 1.060)	( 0.073)			0.186			H903
LV Sub Generation Intermittent			( 0.588)					0.173			
LV Sub Generation Non-Intermittent			( 4.277)	( 0.874)	( 0.059)			0.173			
HV Generation Intermittent	578,917	0	( 0.354)			97.79		0.147			H904
HV Generation Non-Intermittent	687,918	0	( 3.319)	( 0.357)	( 0.020)	97.79		0.147			H905
HV Sub Generation Non-Intermittent			( 2.658)	( 0.261)	( 0.015)	97.79		0.072			
HV Sub Generation Intermittent			( 0.276)			97.79		0.720			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH EASTERN'S DSA ( GSP\_J)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	580,582,923	1	1.960			4.03					J010
Domestic Two Rate	580,582,923	2	2.484	0.129		4.03					J020
Domestic Off Peak (related MPAN)	580,582,923	2	0.360								J021
Small Non Domestic Unrestricted	580,582,923	3	1.508			4.33					J030
Small Non Domestic Two Rate	580,582,923	4	1.570	0.091		4.33					J040
Small Non Domestic Off Peak (related MPAN)	580,582,923	4	0.275								J041
LV Medium Non-Domestic	580,582,923	5-8	1.499	0.080		30.43					J090
LV Sub Medium Non-Domestic	581,583	5-8									
HV Medium Non-Domestic											
LV HH Metered	580,582,923	0	8.847	0.295	0.055	12.64	2.38	0.276	2.380		J300
LV Sub HH Metered	581,583	0	8.787	0.234	0.041	8.67	3.64	0.241	3.640		
HV HH Metered	584,924	0	6.432	0.150	0.025	67.95	3.09	0.184	3.090		J400
HV Sub HH Metered	585	0									
NHH UMS	580,582,923	1,8	2.031								J050
LV UMS (Pseudo HH Metered)	580,582	0	18.557	1.174	0.592						J200
LV Generation NHH	688,689,922	8	( 0.696)								J900
LV Sub Generation NHH											
LV Generation Intermittent	586,587,925	0	( 0.696)					0.204			J902
LV Generation Non-Intermittent	690,691,926	0	( 6.270)	( 0.282)	( 0.056)			0.204			J903
LV Sub Generation Intermittent			( 0.632)					0.189			
LV Sub Generation Non-Intermittent			( 5.774)	( 0.241)	( 0.047)			0.189			
HV Generation Intermittent	588,927	0	( 0.473)			32.44		0.161			J904
HV Generation Non-Intermittent	692,928	0	( 4.560)	( 0.139)	( 0.025)	32.44		0.161			J905
HV Sub Generation Non-Intermittent			( 4.442)	( 0.126)	( 0.022)	32.44		0.133			
HV Sub Generation Intermittent			( 0.456)			32.44		0.133			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WALES'S DSA ( GSP\_K)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVARh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	590,592,933	1	2.787			3.72					K010
Domestic Two Rate	590,592,933	2	3.131	0.227		3.72					K020
Domestic Off Peak (related MPAN)	590,592,933	2	0.233								K021
Small Non Domestic Unrestricted	590,592,933	3	2.240			6.17					K030
Small Non Domestic Two Rate	590,592,933	4	2.856	0.265		6.17					K040
Small Non Domestic Off Peak (related MPAN)	590,592,933	4	0.251								K041
LV Medium Non-Domestic	590,592,933	5-8	2.620	0.184		44.69					K090
LV Sub Medium Non-Domestic	591,593	5-8	1.769	0.124		3.65					
HV Medium Non-Domestic											
LV HH Metered	590,592,933	0	13.896	0.977	0.145	9.41	2.45	0.446	2.450		K300
LV Sub HH Metered	591,593	0	13.890	0.939	0.142	6.80	2.93	0.389	2.930		
HV HH Metered	594,934	0	10.259	0.666	0.099	75.82	2.95	0.302	2.950		K400
HV Sub HH Metered	595	0									
NHH UMS	590,592,933	1,8	3.578								K050
LV UMS (Pseudo HH Metered)	590,592	0	31.099	2.924	1.029						K200
LV Generation NHH	693,694,932	8	( 0.725)								K900
LV Sub Generation NHH			( 0.667)								
LV Generation Intermittent	596,597,935	0	( 0.725)					0.237			K902
LV Generation Non-Intermittent	695,696,936	0	( 5.823)	( 0.563)	( 0.104)			0.237			K903
LV Sub Generation Intermittent			( 0.677)					0.208			
LV Sub Generation Non-Intermittent			( 5.347)	( 0.518)	( 0.098)			0.208			
HV Generation Intermittent	598,937	0	( 0.448)			32.59		0.168			K904
HV Generation Non-Intermittent	697,938	0	( 3.548)	( 0.346)	( 0.074)	32.59		0.168			K905
HV Sub Generation Non-Intermittent											
HV Sub Generation Intermittent											

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WESTERN ELECTRICITY'S DSA ( GSP\_L)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVarh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	600,602,943	1	2.741			4.07					L010
Domestic Two Rate	600,602,943	2	3.400	0.247		4.07					L020
Domestic Off Peak (related MPAN)	600,602,943	2	0.227								L021
Small Non Domestic Unrestricted	600,602,943	3	2.500			6.26					L030
Small Non Domestic Two Rate	600,602,943	4	2.593	0.246		6.26					L040
Small Non Domestic Off Peak (related MPAN)	600,602,943	4	0.232								L041
LV Medium Non-Domestic	600,602,943	5-8	2.262	0.236		34.02					L090
LV Sub Medium Non-Domestic	601,603	5-8	2.125	0.211		22.12					
HV Medium Non-Domestic											
LV HH Metered	600,602,943	0	20.607	0.251	0.161	8.43	2.43	0.327	2.430		L300
LV Sub HH Metered	601,603	0	18.577	0.149	0.114	6.09	2.73	0.268	2.730		
HV HH Metered	604,944	0	15.296	0.063	0.068	67.97	2.08	0.207	2.080		L400
HV Sub HH Metered	605	0									
NHH UMS	600,602,943	1,8	3.203								L050
LV UMS (Pseudo HH Metered)	600,602	0	45.977	1.446	1.104						L200
LV Generation NHH	698,699,942	8	( 0.629)								L900
LV Sub Generation NHH		8	( 0.581)								
LV Generation Intermittent	606,607,945	0	( 0.629)					0.142			L902
LV Generation Non-Intermittent	700,701,946	0	( 7.435)	( 0.260)	( 0.156)			0.142			L903
LV Sub Generation Intermittent		0	( 0.581)					0.122			
LV Sub Generation Non- Intermittent		0	( 6.973)	( 0.228)	( 0.142)			0.122			
HV Generation Intermittent	608,947	0	( 0.358)			29.21		0.089			L904
HV Generation Non-Intermittent	702,948	0	( 4.778)	( 0.083)	( 0.076)	29.21		0.089			L905
HV Sub Generation Non- Intermittent											
HV Sub Generation Intermittent											

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN YORKSHIRE ELECTRIC'S DSA ( GSP\_M)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	610,612,953	1	1.840			4.34					M010
Domestic Two Rate	610,612,953	2	2.324	0.081		4.34					M020
Domestic Off Peak (related MPAN)	610,612,953	2	0.420								M021
Small Non Domestic Unrestricted	610,612,953	3	1.890			3.99					M030
Small Non Domestic Two Rate	610,612,953	4	2.378	0.270		3.99					M040
Small Non Domestic Off Peak (related MPAN)	610,612,953	4	0.494								M041
LV Medium Non-Domestic	610,612,953	5-8	1.824	0.060		27.93					M090
LV Sub Medium Non-Domestic	611,613	5-8	1.190	0.038		39.82					
HV Medium Non-Domestic											
LV HH Metered	610,612,953	0	7.216	0.734	0.044	11.91	1.29	0.284	1.290		M300
LV Sub HH Metered	611,613	0	6.036	0.566	0.031	39.82	1.72	0.218	1.720		
HV HH Metered	614,954	0	4.954	0.426	0.021	101.26	1.61	0.169	1.610		M400
HV Sub HH Metered	615	0									
NHH UMS	610,612,953	1,8	1.861								M050
LV UMS (Pseudo HH Metered)	610,612	0	19.104	2.071	0.133						M200
LV Generation NHH	703,708,952	8	( 0.554)								M900
LV Sub Generation NHH		8	( 0.490)								
LV Generation Intermittent	616,617,955	0	( 0.554)					0.141			M902
LV Generation Non-Intermittent	705,706,956	0	( 3.511)	( 0.533)	( 0.039)			0.141			M903
LV Sub Generation Intermittent		0	( 0.490)					0.135			
LV Sub Generation Non-Intermittent		0	( 3.121)	( 0.469)	( 0.034)			0.135			
HV Generation Intermittent	618,957	0	( 0.349)			107.04		0.105			M904
HV Generation Non-Intermittent	707,958	0	( 2.267)	( 0.323)	( 0.021)	107.04		0.105			M905
HV Sub Generation Non-Intermittent		0	( 2.057)	( 0.287)	( 0.018)	107.04		0.078			
HV Sub Generation Intermittent		0	( 0.314)			107.04		0.078			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SCOTTISH POWER'S DSA ( GSP\_N)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	620,622,963	1	2.323			4.45					N010
Domestic Two Rate	620,622,963	2	3.041	0.352		4.45					N020
Domestic Off Peak (related MPAN)	620,622,963	2	0.234								N021
Small Non Domestic Unrestricted	620,622,963	3	2.088			5.64					N030
Small Non Domestic Two Rate	620,622,963	4	2.775	0.401		5.64					N040
Small Non Domestic Off Peak (related MPAN)	620,622,963	4	0.796								N041
LV Medium Non-Domestic	620,622,963	5-8	1.534	0.222		28.96					N090
LV Sub Medium Non-Domestic	621,623	5-8	1.372	0.186							
HV Medium Non-Domestic											
LV HH Metered	626,628,964	0	8.601	0.788	0.167	21.73	2.24	0.248	2.240		N300
LV Sub HH Metered	627,629	0	5.731	0.416	0.056	7.67	4.17	0.191	4.170		
HV HH Metered	624,965	0	5.601	0.407	0.054	116.11	4.53	0.140	4.530		N400
HV Sub HH Metered	625	0									
NHH UMS	620,622,963	1,8	1.998								N050
LV UMS (Pseudo HH Metered)	620,622	0	14.712	1.885	0.739						N200
LV Generation NHH	708,709,962	8	( 0.671)								N900
LV Sub Generation NHH			( 0.589)								
LV Generation Intermittent	646,647,967	0	( 0.671)					0.138			N902
LV Generation Non-Intermittent	710,711,966	0	( 4.383)	( 0.535)	( 0.140)			0.138			N903
LV Sub Generation Intermittent			( 0.589)					0.124			
LV Sub Generation Non-Intermittent			( 3.956)	( 0.455)	( 0.114)			0.124			
HV Generation Intermittent	645,968	0	( 0.339)			84.79		0.101			N904
HV Generation Non-Intermittent	712,969	0	( 2.770)	( 0.201)	( 0.027)	84.79		0.101			N905
HV Sub Generation Non-Intermittent			( 2.263)	( 0.166)	( 0.022)	84.79		0.053			
HV Sub Generation Intermittent			( 0.279)			84.79		0.053			

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SCOTTISH HYDRO'S DSA ( GSP\_P)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Charges											
	Open LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge	Closed LLFCs	IPNL Charging Code
Domestic Unrestricted	630,632,973	1	3.585			6.12					P010
Domestic Two Rate	630,632,973	2	4.042	2.080		6.12					P020
Domestic Off Peak (related MPAN)	630,632,973	2	1.477								P021
Small Non Domestic Unrestricted	630,632,973	3	2.756			9.43					P030
Small Non Domestic Two Rate	630,632,973	4	3.790	0.928		9.43					P040
Small Non Domestic Off Peak (related MPAN)	630,632,973	4	1.322								P041
LV Medium Non-Domestic	630,632,973	5-8	3.236	1.046		59.88					P090
LV Sub Medium Non-Domestic	631,633	5-8	1.891	0.616		7.28					
HV Medium Non-Domestic											
LV HH Metered	630,632,973	0	5.627	1.634	0.461	18.48	3.42	0.360	3.420		P300
LV Sub HH Metered	631,633	0	4.567	1.349	0.413	7.28	6.15	0.281	6.150		
HV HH Metered	634,974	0	5.686	1.710	0.566	177.29	9.02	0.362	9.020		P400
HV Sub HH Metered	635	0									
NHH UMS	630,632,973	1,8	4.254								P050
LV UMS (Pseudo HH Metered)	630,632	0	25.030	7.690	2.567						P200
LV Generation NHH	713,714,972	8	( 0.890)								P900
LV Sub Generation NHH			( 0.794)								
LV Generation Intermittent	636,637,975	0	( 0.890)					0.190			P902
LV Generation Non-Intermittent	715,716,976	0	( 2.992)	( 0.823)	( 0.165)			0.190			P903
LV Sub Generation Intermittent			( 0.794)					0.165			
LV Sub Generation Non-Intermittent			( 2.665)	( 0.733)	( 0.149)			0.165			
HV Generation Intermittent	638,977	0	( 0.410)			219.58		0.150			P904
HV Generation Non-Intermittent	717,978	0	( 1.358)	( 0.378)	( 0.083)	219.58		0.150			P905
HV Sub Generation Non-Intermittent			( 0.772)	( 0.219)	( 0.054)	219.58		0.045			
HV Sub Generation Intermittent			( 0.237)			219.58		0.045			

**Annex 2 - Schedule of Charges for use of the Distribution System by Designated EHV Properties (including LDNOs with Designated EHV Properties/end-users).**

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE EDCM Import Charges						
LLFC	Tariff name	Super red rate p/kWh	Fixed charge for demand p/day	Import capacity p/kVA/day	Exceeded import capacity charge (p/kVA/day)	Unique Identifier
EDCM Import 1						
EDCM Import 2	IPNL DOES NOT HAVE ANY SITE SPECIFIC TARIFFS FOR EDCM IMPORT CHARGES ANY OF ITS NETWORKS IN ANY DN AREA					
EDCM Import 3						
EDCM Import 4						
EDCM Import 5						
EDCM Import 6						
EDCM Import 7						
EDCM Import 8						
EDCM Import 9						
EDCM Import 10						

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE EHV Export Charges						
LLFC	Tariff name	Unit charge p/kWh	Fixed charge for generation p/day	Export capacity p/kVA/day	Exceeded export capacity charge (p/kVA/day)	Unique Identifier
Site specific Export 1						
Site specific Export 2	IPNL DOES NOT HAVE ANY SITE SPECIFIC TARIFFS FOR EHV EXPORT TARIFFS ON ANY OF ITS NETWORKS IN ANY DN AREA					
Site specific Export 3						
Site specific Export 4						
Site specific Export 5						
Site specific Export 6						
Site specific Export 7						
Site specific Export 8						
Site specific Export 9						
Site specific Export 10						

### Annex 3 - Schedule of Charges for use of the Distribution System to Preserved/Additional LLFC Classes

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LV/HV Tariffs									
NHH Preserved Charges/Additional LLFC Classes									
	Closed LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day			

IPNL DOES NOT HAVE ANY PRESERVED TARIFFS ON ANY OF ITS NETWORKS IN ANY DN AREA

HH Preserved Charges/Additional LLFC Classes									
	Closed LLFCs	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)

IPNL DOES NOT HAVE ANY PRESERVED TARIFFS ON ANY OF ITS NETWORKS IN ANY DN AREA

## Annex 4 - Charges applied to LDNOs with HV/LV end users

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EASTERN POWER NETWORK'S DSA ( GSP\_A)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.194			3.04			
LDNO LV: Domestic Two Rate	2	1.518	0.142		3.04			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.104						
LDNO LV: Small Non Domestic Unrestricted	3	1.029			3.24			
LDNO LV: Small Non Domestic Two Rate	4	1.155	0.125		3.24			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.125						
LDNO LV: LV Medium Non-Domestic	5-8	1.023	0.124		24.96			
LDNO LV: LV HH Metered	0	5.489	0.153	0.077	8.47	1.83	0.183	1.83
LDNO LV: NHH UMS	1&8	1.247						
LDNO LV: LV UMS (Pseudo HH Metered)	0	11.019	0.627	0.490				
LDNO LV: LV Generation NHH	8	( 0.800)						
LDNO LV: LV Generation Intermittent	0	( 0.800)					0.257	
LDNO LV: LV Generation Non-Intermittent	0	( 7.361)	( 0.215)	( 0.118)			0.257	
LDNO HV: Domestic Unrestricted	1	0.851			2.17			
LDNO HV: Domestic Two Rate	2	1.082	0.101		2.17			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.074						
LDNO HV: Small Non Domestic Unrestricted	3	0.734			2.31			
LDNO HV: Small Non Domestic Two Rate	4	0.824	0.089		2.31			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.089						
LDNO HV: LV Medium Non-Domestic	5-8	0.729	0.088		17.79			
LDNO HV: LV HH Metered	0	3.913	0.109	0.055	6.04	1.30	0.131	1.30
LDNO HV: LV Sub HH Metered	0	5.070	0.127	0.052	6.03	2.76	0.154	2.76
LDNO HV: HV HH Metered	0	3.826	0.092	0.031	67.53	2.90	0.114	2.90
LDNO HV: NHH UMS	1&8	0.889						
LDNO HV: LV UMS (Pseudo HH Metered)	0	7.856	0.447	0.350				
LDNO HV: LV Generation NHH	8	( 0.800)						
LDNO HV: LV Sub Generation NHH	8	( 0.734)						
LDNO HV: LV Generation Intermittent	0	( 0.800)					0.257	
LDNO HV: LV Generation Non-Intermittent	0	( 7.361)	( 0.215)	( 0.118)			0.257	
LDNO HV: LV Sub Generation Intermittent	0	( 0.734)					0.236	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 6.813)	( 0.193)	( 0.100)			0.236	
LDNO HV: HV Generation Intermittent	0	( 0.551)					0.198	
LDNO HV: HV Generation Non-Intermittent	0	( 5.318)	( 0.132)	( 0.051)			0.198	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EAST MIDLAND'S DSA ( GSP\_B)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.339			2.66			
LDNO LV: Domestic Two Rate	2	1.671	0.041		2.66			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.293						
LDNO LV: Small Non Domestic Unrestricted	3	1.175			3.58			
LDNO LV: Small Non Domestic Two Rate	4	1.292	0.035		3.58			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.195						
LDNO LV: LV Medium Non-Domestic	5-8	1.223	0.031		22.32			
LDNO LV: LV HH Metered	0	5.650	0.407	0.024	6.66	1.58	0.217	1.58
LDNO LV: NHH UMS	1&8	1.736						
LDNO LV: LV UMS (Pseudo HH Metered)	0	17.526	1.774	0.491				
LDNO LV: LV Generation NHH	8	( 0.777)						
LDNO LV: LV Generation Intermittent	0	( 0.777)					0.273	
LDNO LV: LV Generation Non-Intermittent	0	( 6.419)	( 0.592)	( 0.035)			0.273	
LDNO HV: Domestic Unrestricted	1	0.966			1.92			
LDNO HV: Domestic Two Rate	2	1.205	0.029		1.92			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.212						
LDNO HV: Small Non Domestic Unrestricted	3	0.848			2.58			
LDNO HV: Small Non Domestic Two Rate	4	0.932	0.025		2.58			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.140						
LDNO HV: LV Medium Non-Domestic	5-8	0.882	0.022		16.09			
LDNO HV: LV HH Metered	0	4.074	0.294	0.017	4.81	1.14	0.156	1.14
LDNO HV: LV Sub HH Metered	0	4.641	0.299	0.016	6.80	2.19	0.180	2.19
LDNO HV: HV HH Metered	0	3.803	0.190	0.008	76.91	3.17	0.124	3.17
LDNO HV: NHH UMS	1&8	1.252						
LDNO HV: LV UMS (Pseudo HH Metered)	0	12.639	1.280	0.354				
LDNO HV: LV Generation NHH	8	( 0.777)						
LDNO HV: LV Sub Generation NHH	8	( 0.669)						
LDNO HV: LV Generation Intermittent	0	( 0.777)					0.273	
LDNO HV: LV Generation Non-Intermittent	0	( 6.419)	( 0.592)	( 0.035)			0.273	
LDNO HV: LV Sub Generation Intermittent	0	( 0.669)					0.247	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 5.585)	( 0.497)	( 0.029)			0.247	
LDNO HV: HV Generation Intermittent	0	( 0.488)					0.197	
LDNO HV: HV Generation Non-Intermittent	0	( 4.215)	( 0.328)	( 0.017)			0.197	

CHARGES FOR CUSTOMERS ON IPNL EM BEDDED NETWORKS IN LONDON POWER NETWORK'S DSA ( GSP\_C)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.407			2.48			
LDNO LV: Domestic Two Rate	2	1.821	0.162		2.48			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.156						
LDNO LV: Small Non Domestic Unrestricted	3	0.934			2.64			
LDNO LV: Small Non Domestic Two Rate	4	1.069	0.077		2.64			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.231						
LDNO LV: LV Medium Non-Domestic	5-8	1.167	0.120		22.97			
LDNO LV: LV HH Metered	0	2.711	0.296	0.052	6.69	2.07	0.212	2.07
LDNO LV: NHH UMS	1&8	1.296						
LDNO LV: LV UMS (Pseudo HH Metered)	0	10.384	1.479	0.485				
LDNO LV: LV Generation NHH	8	( 0.925)						
LDNO LV: LV Generation Intermittent	0	( 0.925)					0.309	
LDNO LV: LV Generation Non-Intermittent	0	( 4.154)	( 0.471)	( 0.086)			0.309	
LDNO HV: Domestic Unrestricted	1	1.005			1.77			
LDNO HV: Domestic Two Rate	2	1.301	0.116		1.77			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.112						
LDNO HV: Small Non Domestic Unrestricted	3	0.667			1.89			
LDNO HV: Small Non Domestic Two Rate	4	0.764	0.055		1.89			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.165						
LDNO HV: LV Medium Non-Domestic	5-8	0.834	0.085		16.41			
LDNO HV: LV HH Metered	0	1.936	0.211	0.037	4.78	1.48	0.152	1.48
LDNO HV: LV Sub HH Metered	0	1.643	0.140	0.017	4.46	3.84	0.148	3.84
LDNO HV: HV HH Metered	0	1.476	0.114	0.011	53.39	4.53	0.099	4.53
LDNO HV: NHH UMS	1&8	0.926						
LDNO HV: LV UMS (Pseudo HH Metered)	0	7.418	1.057	0.347				
LDNO HV: LV Generation NHH	8	( 0.925)						
LDNO HV: LV Sub Generation NHH	8	( 0.842)						
LDNO HV: LV Generation Intermittent	0	( 0.925)					0.309	
LDNO HV: LV Generation Non-Intermittent	0	( 4.154)	( 0.471)	( 0.086)			0.309	
LDNO HV: LV Sub Generation Intermittent	0	( 0.842)					0.285	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 3.820)	( 0.416)	( 0.073)			0.285	
LDNO HV: HV Generation Intermittent	0	( 0.581)					0.245	
LDNO HV: HV Generation Non-Intermittent	0	( 2.800)	( 0.232)	( 0.025)			0.245	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN MANWEB'S DSA ( GSP\_D)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	2.059			2.42			
LDNO LV: Domestic Two Rate	2	2.573	0.246		2.42			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.223						
LDNO LV: Small Non Domestic Unrestricted	3	1.850			3.07			
LDNO LV: Small Non Domestic Two Rate	4	1.987	0.146		3.07			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.167						
LDNO LV: LV Medium Non-Domestic	5-8	2.107	0.140		15.11			
LDNO LV: LV HH Metered	0	8.425	0.617	0.106	11.81	1.59	0.453	1.59
LDNO LV: NHH UMS	1&8	1.613						
LDNO LV: LV UMS (Pseudo HH Metered)	0	10.639	1.060	0.356				
LDNO LV: LV Generation NHH	8	( 1.153)						
LDNO LV: LV Generation Intermittent	0	( 1.153)					0.433	
LDNO LV: LV Generation Non-Intermittent	0	( 8.529)	( 0.844)	( 0.125)			0.433	
LDNO HV: Domestic Unrestricted	1	1.229			1.44			
LDNO HV: Domestic Two Rate	2	1.536	0.147		1.44			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.133						
LDNO HV: Small Non Domestic Unrestricted	3	1.104			1.83			
LDNO HV: Small Non Domestic Two Rate	4	1.186	0.087		1.83			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.100						
LDNO HV: LV Medium Non-Domestic	5-8	1.257	0.084		9.02			
LDNO HV: LV HH Metered	0	5.028	0.368	0.063	7.05	0.95	0.270	0.95
LDNO HV: LV Sub HH Metered	0	6.602	0.371	0.074	3.85	3.05	0.317	3.05
LDNO HV: HV HH Metered	0	5.665	0.255	0.058	65.04	2.61	0.248	2.61
LDNO HV: NHH UMS	1&8	0.963						
LDNO HV: LV UMS (Pseudo HH Metered)	0	6.349	0.645	0.212				
LDNO HV: LV Generation NHH	8	( 1.153)						
LDNO HV: LV Sub Generation NHH	8	( 1.030)						
LDNO HV: LV Generation Intermittent	0	( 1.153)					0.433	
LDNO HV: LV Generation Non-Intermittent	0	( 8.529)	( 0.844)	( 0.125)			0.433	
LDNO HV: LV Sub Generation Intermittent	0	( 1.030)					0.403	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 7.729)	( 0.729)	( 0.110)			0.403	
LDNO HV: HV Generation Intermittent	0	( 0.664)					0.307	
LDNO HV: HV Generation Non-Intermittent	0	( 5.514)	( 0.356)	( 0.065)			0.307	

CHARGES FOR CUSTOMERS ON IPNL EM BEDDED NETWORKS IN WEST MIDLANDS DSA ( GSP\_B)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.311			3.29			
LDNO LV: Domestic Two Rate	2	1.602	0.066		3.29			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.131						
LDNO LV: Small Non Domestic Unrestricted	3	1.181			4.25			
LDNO LV: Small Non Domestic Two Rate	4	1.371	0.058		4.25			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.215						
LDNO LV: LV Medium Non-Domestic	5-8	1.217	0.050		24.79			
LDNO LV: LV HH Metered	0	5.234	0.415	0.033	7.00	2.18	0.203	2.18
LDNO LV: NHH UMS	1&8	1.713						
LDNO LV: LV UMS (Pseudo HH Metered)	0	16.635	1.847	0.567				
LDNO LV: LV Generation NHH	8	( 0.693)						
LDNO LV: LV Generation Intermittent	0	( 0.693)					0.275	
LDNO LV: LV Generation Non-Intermittent	0	( 5.357)	( 0.584)	( 0.057)			0.275	
LDNO HV: Domestic Unrestricted	1	0.925			2.32			
LDNO HV: Domestic Two Rate	2	1.130	0.046		2.32			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.092						
LDNO HV: Small Non Domestic Unrestricted	3	0.833			3.00			
LDNO HV: Small Non Domestic Two Rate	4	0.967	0.041		3.00			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.152						
LDNO HV: LV Medium Non-Domestic	5-8	0.859	0.036		17.49			
LDNO HV: LV HH Metered	0	3.692	0.293	0.023	4.94	1.54	0.143	1.54
LDNO HV: LV Sub HH Metered	0	5.071	0.360	0.021	7.38	3.03	0.168	3.03
LDNO HV: HV HH Metered	0	3.578	0.214	0.010	84.39	4.06	0.116	4.06
LDNO HV: NHH UMS	1&8	1.209						
LDNO HV: LV UMS (Pseudo HH Metered)	0	11.737	1.303	0.400				
LDNO HV: LV Generation NHH	8	( 0.693)						
LDNO HV: LV Sub Generation NHH	8	( 0.585)						
LDNO HV: LV Generation Intermittent	0	( 0.693)					0.275	
LDNO HV: LV Generation Non-Intermittent	0	( 5.357)	( 0.584)	( 0.057)			0.275	
LDNO HV: LV Sub Generation Intermittent	0	( 0.585)					0.249	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 4.558)	( 0.489)	( 0.044)			0.249	
LDNO HV: HV Generation Intermittent	0	( 0.381)					0.203	
LDNO HV: HV Generation Non-Intermittent	0	( 3.064)	( 0.310)	( 0.020)			0.203	

CHARGES FOR CUSTOMERS ON IPNL EM BEDDED NETWORKS IN NORTHERN ELECTRIC'S DSA ( GSP\_F)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.445			2.71			
LDNO LV: Domestic Two Rate	2	1.722	0.109		2.71			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.215						
LDNO LV: Small Non Domestic Unrestricted	3	1.392			2.49			
LDNO LV: Small Non Domestic Two Rate	4	1.723	0.190		2.49			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.246						
LDNO LV: LV Medium Non-Domestic	5-8	1.300	0.102		14.31			
LDNO LV: LV HH Metered	0	5.046	0.688	0.070	7.52	0.87	0.184	0.87
LDNO LV: NHH UMS	1&8	1.360						
LDNO LV: LV UMS (Pseudo HH Metered)	0	12.003	1.790	0.195				
LDNO LV: LV Generation NHH	8	( 0.617)						
LDNO LV: LV Generation Intermittent	0	( 0.617)					0.131	
LDNO LV: LV Generation Non-Intermittent	0	( 2.655)	( 0.893)	( 0.107)			0.131	
LDNO HV: Domestic Unrestricted	1	0.816			1.53			
LDNO HV: Domestic Two Rate	2	0.973	0.061		1.53			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.121						
LDNO HV: Small Non Domestic Unrestricted	3	0.787			1.41			
LDNO HV: Small Non Domestic Two Rate	4	0.974	0.107		1.41			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.139						
LDNO HV: LV Medium Non-Domestic	5-8	0.735	0.058		8.09			
LDNO HV: LV HH Metered	0	2.852	0.389	0.039	4.25	0.49	0.104	0.49
LDNO HV: LV Sub HH Metered	0	4.192	0.499	0.044	22.97	1.17	0.138	1.17
LDNO HV: HV HH Metered	0	4.121	0.431	0.032	70.65	1.27	0.125	1.27
LDNO HV: NHH UMS	1&8	0.769						
LDNO HV: LV UMS (Pseudo HH Metered)	0	6.784	1.012	0.110				
LDNO HV: LV Generation NHH	8	( 0.617)						
LDNO HV: LV Sub Generation NHH	8	( 0.540)						
LDNO HV: LV Generation Intermittent	0	( 0.617)					0.131	
LDNO HV: LV Generation Non-Intermittent	0	( 2.655)	( 0.893)	( 0.107)			0.131	
LDNO HV: LV Sub Generation Intermittent	0	( 0.540)					0.124	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 2.320)	( 0.785)	( 0.092)			0.124	
LDNO HV: HV Generation Intermittent	0	( 0.355)					0.092	
LDNO HV: HV Generation Non-Intermittent	0	( 1.509)	( 0.533)	( 0.055)			0.092	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN NORTH WEST ELECTRICITY'S DSA ( GSP\_G)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.732			2.02			
LDNO LV: Domestic Two Rate	2	1.966	0.172		2.02			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.168						
LDNO LV: Small Non Domestic Unrestricted	3	1.403			2.01			
LDNO LV: Small Non Domestic Two Rate	4	1.557	0.141		2.01			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.151						
LDNO LV: LV Medium Non-Domestic	5-8	1.345	0.113		15.24			
LDNO LV: LV HH Metered	0	6.209	0.417	0.063	6.97	2.19	0.167	2.19
LDNO LV: NHH UMS	1&8	1.962						
LDNO LV: LV UMS (Pseudo HH Metered)	0	18.778	2.279	1.155				
LDNO LV: LV Generation NHH	8	(0.879)						
LDNO LV: LV Generation Intermittent	0	(0.879)					0.224	
LDNO LV: LV Generation Non-Intermittent	0	(9.020)	(0.856)	(0.128)			0.224	
LDNO HV: Domestic Unrestricted	1	1.132			1.32			
LDNO HV: Domestic Two Rate	2	1.284	0.112		1.32			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.110						
LDNO HV: Small Non Domestic Unrestricted	3	0.916			1.31			
LDNO HV: Small Non Domestic Two Rate	4	1.017	0.092		1.31			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.098						
LDNO HV: LV Medium Non-Domestic	5-8	0.879	0.074		9.96			
LDNO HV: LV HH Metered	0	4.056	0.273	0.041	4.55	1.43	0.109	1.43
LDNO HV: LV Sub HH Metered	0	6.795	0.413	0.064	20.33	2.11	0.170	2.11
LDNO HV: HV HH Metered	0	6.195	0.303	0.048	69.73	2.33	0.140	2.33
LDNO HV: NHH UMS	1&8	1.282						
LDNO HV: LV UMS (Pseudo HH Metered)	0	12.268	1.489	0.755				
LDNO HV: LV Generation NHH	8	(0.879)						
LDNO HV: LV Sub Generation NHH	8	(0.680)						
LDNO HV: LV Generation Intermittent	0	(0.679)					0.224	
LDNO HV: LV Generation Non-Intermittent	0	(9.020)	(0.856)	(0.126)			0.224	
LDNO HV: LV Sub Generation Intermittent	0	(0.680)					0.179	
LDNO HV: LV Sub Generation Non-Intermittent	0	(7.066)	(0.646)	(0.096)			0.179	
LDNO HV: HV Generation Intermittent	0	(0.426)					0.120	
LDNO HV: HV Generation Non-Intermittent	0	(4.628)	(0.381)	(0.059)			0.120	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTHERN ELECTRIC'S DSA ( GSP\_H)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.483			1.70			
LDNO LV: Domestic Two Rate	2	1.543	0.082		1.70			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.186						
LDNO LV: Small Non Domestic Unrestricted	3	1.143			2.67			
LDNO LV: Small Non Domestic Two Rate	4	1.568	0.083		2.67			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.176						
LDNO LV: LV Medium Non-Domestic	5-8	1.113	0.065		14.24			
LDNO LV: LV HH Metered	0	5.980	0.746	0.043	5.51	1.59	0.200	1.59
LDNO LV: NHH UMS	1&8	1.572						
LDNO LV: LV UMS (Pseudo HH Metered)	0	12.768	2.219	0.354				
LDNO LV: LV Generation NHH	8	(0.674)						
LDNO LV: LV Generation Intermittent	0	(0.674)					0.186	
LDNO LV: LV Generation Non-Intermittent	0	(4.640)	(1.060)	(0.073)			0.186	
LDNO HV: Domestic Unrestricted	1	0.947			1.08			
LDNO HV: Domestic Two Rate	2	0.986	0.053		1.08			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.119						
LDNO HV: Small Non Domestic Unrestricted	3	0.730			1.70			
LDNO HV: Small Non Domestic Two Rate	4	1.002	0.053		1.70			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.113						
LDNO HV: LV Medium Non-Domestic	5-8	0.711	0.042		9.10			
LDNO HV: LV HH Metered	0	3.820	0.476	0.027	3.52	1.01	0.128	1.01
LDNO HV: LV Sub HH Metered	0	5.059	0.399	0.017	2.09	2.93	0.151	2.93
LDNO HV: HV HH Metered	0	5.991	0.418	0.017	57.96	3.72	0.158	3.72
LDNO HV: NHH UMS	1&8	1.005						
LDNO HV: LV UMS (Pseudo HH Metered)	0	8.156	1.418	0.226				
LDNO HV: LV Generation NHH	8	(0.674)						
LDNO HV: LV Sub Generation NHH	8	(0.588)						
LDNO HV: LV Generation Intermittent	0	(0.674)					0.186	
LDNO HV: LV Generation Non-Intermittent	0	(4.640)	(1.060)	(0.073)			0.186	
LDNO HV: LV Sub Generation Intermittent	0	(0.588)					0.173	
LDNO HV: LV Sub Generation Non-Intermittent	0	(4.277)	(0.874)	(0.059)			0.173	
LDNO HV: HV Generation Intermittent	0	(0.354)					0.147	
LDNO HV: HV Generation Non-Intermittent	0	(3.319)	(0.357)	(0.020)			0.147	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH EASTERN'S DSA ( GSP\_U)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.386			2.85			
LDNO LV: Domestic Two Rate	2	1.756	0.091		2.85			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.255						
LDNO LV: Small Non Domestic Unrestricted	3	1.066			3.06			
LDNO LV: Small Non Domestic Two Rate	4	1.110	0.064		3.06			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.194						
LDNO LV: LV Medium Non-Domestic	5-8	1.060	0.057		21.52			
LDNO LV: LV HH Metered	0	6.256	0.209	0.039	8.94	1.68	0.195	1.68
LDNO LV: NHH UMS	1&8	1.436						
LDNO LV: LV UMS (Pseudo HH Metered)	0	13.121	0.830	0.419				
LDNO LV: LV Generation NHH	8	( 0.696)						
LDNO LV: LV Generation Intermittent	0	( 0.696)					0.204	
LDNO LV: LV Generation Non-Intermittent	0	( 6.270)	( 0.282)	( 0.056)			0.204	
LDNO HV: Domestic Unrestricted	1	0.929			1.91			
LDNO HV: Domestic Two Rate	2	1.177	0.061		1.91			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.171						
LDNO HV: Small Non Domestic Unrestricted	3	0.715			2.05			
LDNO HV: Small Non Domestic Two Rate	4	0.744	0.043		2.05			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.130						
LDNO HV: LV Medium Non-Domestic	5-8	0.710	0.038		14.42			
LDNO HV: LV HH Metered	0	4.192	0.140	0.026	5.99	1.13	0.131	1.13
LDNO HV: LV Sub HH Metered	0	6.067	0.162	0.028	5.99	2.51	0.166	2.51
LDNO HV: HV HH Metered	0	4.936	0.115	0.019	52.14	2.37	0.141	2.37
LDNO HV: NHH UMS	1&8	0.962						
LDNO HV: LV UMS (Pseudo HH Metered)	0	8.793	0.556	0.281				
LDNO HV: LV Generation NHH	8	( 0.696)						
LDNO HV: LV Sub Generation NHH	8	( 0.632)						
LDNO HV: LV Generation Intermittent	0	( 0.696)					0.204	
LDNO HV: LV Generation Non-Intermittent	0	( 6.270)	( 0.282)	( 0.056)			0.204	
LDNO HV: LV Sub Generation Intermittent	0	( 0.632)					0.189	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 5.774)	( 0.241)	( 0.047)			0.189	
LDNO HV: HV Generation Intermittent	0	( 0.473)					0.161	
LDNO HV: HV Generation Non-Intermittent	0	( 4.560)	( 0.139)	( 0.025)			0.161	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WALES'S DSA ( GSP\_K)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.923			2.57			
LDNO LV: Domestic Two Rate	2	2.160	0.157		2.57			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.161						
LDNO LV: Small Non Domestic Unrestricted	3	1.545			4.26			
LDNO LV: Small Non Domestic Two Rate	4	1.970	0.183		4.26			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.173						
LDNO LV: LV Medium Non-Domestic	5-8	1.807	0.127		30.83			
LDNO LV: LV HH Metered	0	9.587	0.674	0.100	6.49	1.69	0.308	1.69
LDNO LV: NHH UMS	1&8	2.468						
LDNO LV: LV UMS (Pseudo HH Metered)	0	21.455	2.017	0.710				
LDNO LV: LV Generation NHH	8	( 0.725)						
LDNO LV: LV Generation Intermittent	0	( 0.725)					0.237	
LDNO LV: LV Generation Non-Intermittent	0	( 5.823)	( 0.563)	( 0.104)			0.237	
LDNO HV: Domestic Unrestricted	1	1.012			1.35			
LDNO HV: Domestic Two Rate	2	1.137	0.082		1.35			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.085						
LDNO HV: Small Non Domestic Unrestricted	3	0.813			2.24			
LDNO HV: Small Non Domestic Two Rate	4	1.037	0.096		2.24			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.091						
LDNO HV: LV Medium Non-Domestic	5-8	0.951	0.067		16.23			
LDNO HV: LV HH Metered	0	5.046	0.355	0.053	3.42	0.89	0.162	0.89
LDNO HV: LV Sub HH Metered	0	7.514	0.508	0.077	3.68	1.59	0.210	1.59
LDNO HV: HV HH Metered	0	6.592	0.428	0.064	48.72	1.90	0.194	1.90
LDNO HV: NHH UMS	1&8	1.299						
LDNO HV: LV UMS (Pseudo HH Metered)	0	11.294	1.062	0.374				
LDNO HV: LV Generation NHH	8	( 0.725)						
LDNO HV: LV Sub Generation NHH	8	( 0.667)						
LDNO HV: LV Generation Intermittent	0	( 0.725)					0.237	
LDNO HV: LV Generation Non-Intermittent	0	( 5.823)	( 0.563)	( 0.104)			0.237	
LDNO HV: LV Sub Generation Intermittent	0	( 0.667)					0.208	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 5.347)	( 0.518)	( 0.098)			0.208	
LDNO HV: HV Generation Intermittent	0	( 0.448)					0.168	
LDNO HV: HV Generation Non-Intermittent	0	( 3.548)	( 0.346)	( 0.074)			0.168	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WESTERN ELECTRICITY'S DSA ( GSP\_L )

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.760			2.61			
LDNO LV: Domestic Two Rate	2	2.183	0.159		2.61			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.146						
LDNO LV: Small Non Domestic Unrestricted	3	1.605			4.02			
LDNO LV: Small Non Domestic Two Rate	4	1.665	0.158		4.02			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.149						
LDNO LV: LV Medium Non-Domestic	5-8	1.452	0.152		21.84			
LDNO LV: LV HH Metered	0	13.230	0.161	0.103	5.41	1.56	0.210	1.56
LDNO LV: NHH UMS	1&8	2.056						
LDNO LV: LV UMS (Pseudo HH Metered)	0	29.517	0.928	0.709				
LDNO LV: LV Generation NHH	8	( 0.629)						
LDNO LV: LV Generation Intermittent	0	( 0.629)					0.142	
LDNO LV: LV Generation Non-Intermittent	0	( 7.435)	( 0.260)	( 0.156)			0.142	
LDNO HV: Domestic Unrestricted	1	1.025			1.52			
LDNO HV: Domestic Two Rate	2	1.271	0.092		1.52			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.085						
LDNO HV: Small Non Domestic Unrestricted	3	0.934			2.34			
LDNO HV: Small Non Domestic Two Rate	4	0.969	0.092		2.34			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.087						
LDNO HV: LV Medium Non-Domestic	5-8	0.845	0.088		12.72			
LDNO HV: LV HH Metered	0	7.702	0.094	0.060	3.15	0.91	0.122	0.91
LDNO HV: LV Sub HH Metered	0	11.147	0.089	0.068	3.65	1.64	0.161	1.64
LDNO HV: HV HH Metered	0	10.792	0.044	0.048	47.96	1.47	0.146	1.47
LDNO HV: NHH UMS	1&8	1.197						
LDNO HV: LV UMS (Pseudo HH Metered)	0	17.185	0.540	0.413				
LDNO HV: LV Generation NHH	8	( 0.629)						
LDNO HV: LV Sub Generation NHH	8	( 0.581)						
LDNO HV: LV Generation Intermittent	0	( 0.629)					0.142	
LDNO HV: LV Generation Non-Intermittent	0	( 7.435)	( 0.260)	( 0.156)			0.142	
LDNO HV: LV Sub Generation Intermittent	0	( 0.581)					0.122	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 6.973)	( 0.228)	( 0.142)			0.122	
LDNO HV: HV Generation Intermittent	0	( 0.358)					0.089	
LDNO HV: HV Generation Non-Intermittent	0	( 4.778)	( 0.083)	( 0.076)			0.089	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN YORKSHIRE ELECTRIC'S DSA ( GSP\_M )

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVAh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.176			2.77			
LDNO LV: Domestic Two Rate	2	1.485	0.052		2.77			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.268						
LDNO LV: Small Non Domestic Unrestricted	3	1.207			2.55			
LDNO LV: Small Non Domestic Two Rate	4	1.519	0.172		2.55			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.316						
LDNO LV: LV Medium Non-Domestic	5-8	1.165	0.038		17.84			
LDNO LV: LV HH Metered	0	4.610	0.469	0.028	7.61	0.82	0.181	0.82
LDNO LV: NHH UMS	1&8	1.189						
LDNO LV: LV UMS (Pseudo HH Metered)	0	12.205	1.323	0.085				
LDNO LV: LV Generation NHH	8	( 0.554)						
LDNO LV: LV Generation Intermittent	0	( 0.554)					0.141	
LDNO LV: LV Generation Non-Intermittent	0	( 3.511)	( 0.533)	( 0.039)			0.141	
LDNO HV: Domestic Unrestricted	1	0.701			1.65			
LDNO HV: Domestic Two Rate	2	0.886	0.031		1.65			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.160						
LDNO HV: Small Non Domestic Unrestricted	3	0.720			1.52			
LDNO HV: Small Non Domestic Two Rate	4	0.906	0.103		1.52			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.188						
LDNO HV: LV Medium Non-Domestic	5-8	0.695	0.023		10.65			
LDNO HV: LV HH Metered	0	2.750	0.280	0.017	4.54	0.49	0.108	0.49
LDNO HV: LV Sub HH Metered	0	3.691	0.346	0.019	24.35	1.05	0.133	1.05
LDNO HV: HV HH Metered	0	3.725	0.320	0.016	76.14	1.21	0.127	1.21
LDNO HV: NHH UMS	1&8	0.709						
LDNO HV: LV UMS (Pseudo HH Metered)	0	7.281	0.789	0.051				
LDNO HV: LV Generation NHH	8	( 0.554)						
LDNO HV: LV Sub Generation NHH	8	( 0.490)						
LDNO HV: LV Generation Intermittent	0	( 0.554)					0.141	
LDNO HV: LV Generation Non-Intermittent	0	( 3.511)	( 0.633)	( 0.039)			0.141	
LDNO HV: LV Sub Generation Intermittent	0	( 0.490)					0.135	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 3.121)	( 0.469)	( 0.034)			0.135	
LDNO HV: HV Generation Intermittent	0	( 0.349)					0.105	
LDNO HV: HV Generation Non-Intermittent	0	( 2.267)	( 0.323)	( 0.021)			0.105	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SCOTTISH POWER'S DSA ( GSP\_N)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	1.544			2.96			
LDNO LV: Domestic Two Rate	2	2.022	0.234		2.96			
LDNO LV: Domestic Off Peak (related MPAN)	2	0.156						
LDNO LV: Small Non Domestic Unrestricted	3	1.388			3.75			
LDNO LV: Small Non Domestic Two Rate	4	1.845	0.267		3.75			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.529						
LDNO LV: LV Medium Non-Domestic	5-8	1.020	0.148		19.25			
LDNO LV: LV HH Metered	0	5.718	0.524	0.104	14.45	1.49	0.165	1.49
LDNO LV: NHH UMS	1&8	1.328						
LDNO LV: LV UMS (Pseudo HH Metered)	0	9.781	1.253	0.491				
LDNO LV: LV Generation NHH	8	( 0.671)						
LDNO LV: LV Generation Intermittent	0	( 0.671)					0.138	
LDNO LV: LV Generation Non-Intermittent	0	( 4.383)	( 0.535)	( 0.140)			0.138	
LDNO HV: Domestic Unrestricted	1	0.797			1.53			
LDNO HV: Domestic Two Rate	2	1.043	0.121		1.53			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.080						
LDNO HV: Small Non Domestic Unrestricted	3	0.716			1.93			
LDNO HV: Small Non Domestic Two Rate	4	0.952	0.138		1.93			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.273						
LDNO HV: LV Medium Non-Domestic	5-8	0.526	0.076		9.93			
LDNO HV: LV HH Metered	0	2.949	0.270	0.054	7.45	0.77	0.085	0.77
LDNO HV: LV Sub HH Metered	0	3.109	0.226	0.030	4.16	2.26	0.104	2.26
LDNO HV: HV HH Metered	0	3.448	0.251	0.033	71.48	2.79	0.086	2.79
LDNO HV: NHH UMS	1&8	0.685						
LDNO HV: LV UMS (Pseudo HH Metered)	0	5.045	0.646	0.253				
LDNO HV: LV Generation NHH	8	( 0.671)						
LDNO HV: LV Sub Generation NHH	8	( 0.589)						
LDNO HV: LV Generation Intermittent	0	( 0.671)					0.138	
LDNO HV: LV Generation Non-Intermittent	0	( 4.363)	( 0.535)	( 0.140)			0.138	
LDNO HV: LV Sub Generation Intermittent	0	( 0.589)					0.124	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 3.955)	( 0.455)	( 0.114)			0.124	
LDNO HV: HV Generation Intermittent	0	( 0.339)					0.101	
LDNO HV: HV Generation Non-Intermittent	0	( 2.770)	( 0.201)	( 0.027)			0.101	

CHARGES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SCOTTISH HYDRO'S DSA ( GSP\_P)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LDNO Tariffs								
	PCs	Unit rate 1 p/kWh	Unit rate 2 p/kWh	Unit rate 3 p/kWh	Fixed charge p/MPAN/day	Capacity charge p/kVA/day	Reactive power charge p/kVArh	Excess Capacity charge (p/kVA)
LDNO LV: Domestic Unrestricted	1	2.656			4.53			
LDNO LV: Domestic Two Rate	2	2.995	1.541		4.53			
LDNO LV: Domestic Off Peak (related MPAN)	2	1.094						
LDNO LV: Small Non Domestic Unrestricted	3	2.042			6.99			
LDNO LV: Small Non Domestic Two Rate	4	2.808	0.688		6.99			
LDNO LV: Small Non Domestic Off Peak (related MPAN)	4	0.980						
LDNO LV: LV Medium Non-Domestic	5-8	2.398	0.775		44.37			
LDNO LV: LV HH Metered	0	4.170	1.211	0.342	13.69	2.53	0.267	2.53
LDNO LV: NHH UMS	1&8	3.152						
LDNO LV: LV UMS (Pseudo HH Metered)	0	18.547	5.698	1.902				
LDNO LV: LV Generation NHH	8	( 0.890)						
LDNO LV: LV Generation Intermittent	0	( 0.890)					0.190	
LDNO LV: LV Generation Non-Intermittent	0	( 2.992)	( 0.823)	( 0.165)			0.190	
LDNO HV: Domestic Unrestricted	1	1.509			2.58			
LDNO HV: Domestic Two Rate	2	1.702	0.876		2.58			
LDNO HV: Domestic Off Peak (related MPAN)	2	0.622						
LDNO HV: Small Non Domestic Unrestricted	3	1.160			3.97			
LDNO HV: Small Non Domestic Two Rate	4	1.596	0.391		3.97			
LDNO HV: Small Non Domestic Off Peak (related MPAN)	4	0.557						
LDNO HV: LV Medium Non-Domestic	5-8	1.362	0.440		25.21			
LDNO HV: LV HH Metered	0	2.369	0.688	0.194	7.78	1.44	0.152	1.44
LDNO HV: LV Sub HH Metered	0	2.617	0.773	0.237	4.17	3.52	0.161	3.52
LDNO HV: HV HH Metered	0	3.554	1.069	0.354	110.81	5.64	0.226	5.64
LDNO HV: NHH UMS	1&8	1.791						
LDNO HV: LV UMS (Pseudo HH Metered)	0	10.538	3.237	1.081				
LDNO HV: LV Generation NHH	8	( 0.890)						
LDNO HV: LV Sub Generation NHH	8	( 0.794)						
LDNO HV: LV Generation Intermittent	0	( 0.890)					0.190	
LDNO HV: LV Generation Non-Intermittent	0	( 2.992)	( 0.823)	( 0.165)			0.190	
LDNO HV: LV Sub Generation Intermittent	0	( 0.794)					0.165	
LDNO HV: LV Sub Generation Non-Intermittent	0	( 2.665)	( 0.733)	( 0.149)			0.165	
LDNO HV: HV Generation Intermittent	0	( 0.410)					0.150	
LDNO HV: HV Generation Non-Intermittent	0	( 1.358)	( 0.378)	( 0.083)			0.150	

## Annex 5 – Schedule of Line Loss Factors

IPNL DOES NOT CURRENTLY HAVE ANY EHV CUSTOMERS WITH SITE SPECIFIC LLFCs ON ANY OF ITS NETWORKS

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EASTERN POWER NETWORKS DSA ( GSP\_A)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods					
Time periods	Period 1	Period 2	Period 3	Period 4	Period 5
	Peak	Summer Peak	Winter Shoulder	Night	Other
Monday to Friday Nov to February	16:00-19:59		07:00-15:59		
Monday to Friday June to August		07:00-19:59			
Monday to Friday March			07:00-19:59		
All Year				00:00-06:59	All Other Times
Notes	All the above times are in UK Clock time				

Generic Demand and Generation LLFs						
Metered voltage, respective periods and associated LLFCs						
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Period 5	Associated LLFC
Low Voltage Network	1.089	1.068	1.079	1.062	1.07	500,502,506,507,843,845,847
Low Voltage Substation	1.076	1.059	1.068	1.054	1.06	501,503
High Voltage Network	1.062	1.046	1.054	1.039	1.046	504,508,844,848,852
High Voltage Substation	1.061	1.045	1.054	1.038	1.045	505
33kV Generic	1.012	1.01	1.011	1.01	1.01	
33kV Generic	1.012	1.01	1.011	1.01	1.01	
132kV Generic	1.003	1.002	1.002	1.002	1.002	
132kV Generic	1.003	1.002	1.002	1.002	1.002	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EAST MIDLANDS DSA ( GSP\_B)

<b>Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods</b>				
Time periods	Period 1	Period 2	Period 3	Period 4
	Night	Peak	Semi-peak	Other
Monday to Friday Mar to Oct	00:30-07:30			07:30-23:30
Monday to Friday Nov to Feb	00:30-07:30	16:00-19:00	07:30-16:00 19:00-20:00	20:00-00:30
Saturday and Sunday All Year	00:30-07:30			07:30-23:30
Notes	All the above times are in UK Clock time			

<b>Generic Demand and Generation LLFs</b>					
<b>Metered voltage, respective periods and associated LLFCs</b>					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.071	1.118	1.104	1.084	510,512,516,517, 853,855
Low Voltage Substation	1.071	1.118	1.104	1.084	511,513
High Voltage Network	1.031	1.047	1.043	1.036	514,518,854,858
High Voltage Substation	1.021	1.029	1.027	1.023	515
33kV Generic	1.003	1.006	1.006	1.004	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN LONDON POWER NETWORKS DSA ( GSP\_C)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods					
Time periods	Period 1	Period 2	Period 3	Period 4	Period 5
	Peak	Summer Peak	Winter Shoulder	Night	Other
Monday to Friday Nov to Feb	16:00-19:59		07:00-15:59		
Monday to Friday June to August		07:00-19:59			
Monday to Friday March			07:00-19:59		
All Year				00:00-06:59	All other times
Notes	All the above times are in UK Clock time				

Generic Demand and Generation LLFs						
Metered voltage, respective periods and associated LLFCs						
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Period 5	Associated LLFC
Low Voltage Network	1.099	1.08	1.091	1.062	1.077	520,522,526,527,863,865
Low Voltage Substation	1.07	1.058	1.065	1.046	1.056	521,523
High Voltage Network	1.044	1.037	1.041	1.028	1.035	524,528,864,868
High Voltage Substation	1.034	1.03	1.032	1.026	1.029	525
33kV Generic	1.025	1.022	1.024	1.018	1.021	
33kV Generic	1.025	1.022	1.024	1.018	1.021	
132kV Generic	1.002	1.002	1.002	1.002	1.002	
132kV Generic	1.002	1.002	1.002	1.002	1.002	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN MANWEB'S DSA ( GSP\_D)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
Monday to Friday Apr to Oct and March	23:30 – 07:30	07:30 – 23:30		
Monday to Friday Nov to Feb	23:30 – 07:30	20:00 – 23:30	07:30 – 16:00 19:00 – 20:00	16:00 – 19:00
Saturday and Sunday All Year	23:30 – 07:30	07:30 – 23:30		
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.091	1.112	1.128	1.151	530,532,536,537,873,875
Low Voltage Substation	1.057	1.062	1.068	1.075	531,533
High Voltage Network	1.033	1.04	1.046	1.051	534,538,874,878
High Voltage Substation	1.025	1.028	1.031	1.034	535
33kV Generic	1.012	1.013	1.014	1.015	
33kV Generic	1.017	1.019	1.022	1.024	
132kV Generic	1.004	1.005	1.006	1.007	
132kV Generic	1.000	1.000	1.000	1.000	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN WEST MIDLANDS DSA ( GSP\_E)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
	Night	Peak	Semi Peak	Other
Monday to Friday Mar to Oct	00:30 - 07:30			07:30 - 00:30
Monday to Friday Nov to Feb	00:30 - 07:30	16:00 - 19:00	07:30 - 16:00 19:00 - 20:00	20:00 - 00:30
Saturday and Sunday All Year	00:30 - 07:30			07:30 - 00:30
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.052	1.077	1.069	1.06	540,542,541,543,546,547,883,885
Low Voltage Substation	1.052	1.077	1.069	1.06	541,543
High Voltage Network	1.031	1.044	1.041	1.035	544,548,884,888
High Voltage Substation	1.021	1.027	1.026	1.023	545
33kV Generic	1.004	1.006	1.006	1.005	

<b>Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods</b>				
Time periods	Period 1	Period 2	Period 3	Period 4
	Winter Peak	Other Winter Weekday	Night	All other times
Monday to Friday Apr-October			00:30 - 07:30	00:00 - 00:30 07:30 - 24:00
Monday to Friday November		07:30 - 20:00	00:30 - 07:30	00:00 - 00:30 20:00 - 24:00
Monday to Friday Dec to Feb	16:30 - 18:30	07:30 - 16:30 18:30 - 20:00	00:30 - 07:30	00:00 - 00:30 20:00 - 24:00
Monday to Friday (Mar)			00:30 - 07:30	00:00 - 00:30 07:30 - 24:00
Saturday and Sunday All Year			00:30 - 07:30	00:00 - 00:30 07:30 - 24:00
Notes	All the above times are in UK Clock time			

<b>Generic Demand and Generation LLFs</b>					
<b>Metered voltage, respective periods and associated LLFCs</b>					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.102	1.092	1.07	1.079	550,552,556,557, 893,895
Low Voltage Substation	1.041	1.04	1.04	1.039	551,553
High Voltage Network	1.027	1.025	1.019	1.021	554,558,894,898
High Voltage Substation	1.016	1.015	1.013	1.014	555
Greater than 22kV connected-generation	1.011	1.01	1.008	1.009	
Greater than 22kV connected-demand	1.011	1.01	1.008	1.009	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN ELECTRICITY NORTH WEST'S DSA ( GSP\_G)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
	Night	Day	Day off peak	Day peak
Monday to Friday Mar to Oct	24:00- 07:00	07:00 - 24:00		
Monday to Friday Nov to Feb	24:00 - 07:00		07:00 - 16:00 19:00 – 24:00	16:00 - 19:00
Saturday and Sunday All Year	24:00 - 07:00	07:00 - 24:00		
Notes	All the above times are in the UK Clock Time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated
Low Voltage Network	1.087	1.095	1.102	1.115	560,562,566,567, 903,905
Low Voltage Substation	1.046	1.05	1.052	1.055	561,563
High Voltage Network	1.031	1.036	1.038	1.041	564,568,904,908
High Voltage Substation	1.022	1.025	1.026	1.028	565
33kV Generic	1.017	1.019	1.02	1.022	
132kV to 33kV Generic	1.012	1.013	1.014	1.015	
132kV Generic	1.007	1.009	1.009	1.01	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTHERN ELECTRIC'S DSA ( GSP\_H)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
	Winter Weekday peak	Winter weekday	Other	Night
Monday to Friday Nov to Feb	16:00 - 19:00	07:30 - 16:00 19:00 - 20:00	20:00 - 00:30	00:30 - 07:30
Saturday and Sunday All Year			00:00 - 00:30 07:30 - 24:00	00:30 - 07:30
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.087	1.08	1.073	1.07	570,572,576,577,913 ,915
Low Voltage Substation	1.062	1.058	1.056	1.056	571,573
High Voltage Network	1.044	1.039	1.034	1.028	574,578,914,918
High Voltage Substation	1.021	1.019	1.018	1.016	575
33kV Generic	1.016	1.015	1.013	1.011	
132/33kV Generic	1.007	1.006	1.006	1.005	
132kV Generic	1.003	1.003	1.003	1.002	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH EASTERN POWER NETWORK'S DSA ( GSP\_J)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods					
Time periods	Period 1	Period 2	Period 3	Period 4	Period 5
	Peak	Summer Peak	Winter Shoulder	Night	Other
Monday to Friday Nov to Feb	16:00 - 19:59		07:00 - 15:59		
Monday to Friday June to August		07:00 - 19:59			
Monday to Friday March			07:00 - 19:59		
All Year				00:00 - 06:59	All Other Times
Notes	All the above times are in UK Clock time				

Generic Demand and Generation LLFs						
Metered voltage, respective periods and associated LLFCs						
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Period 5	Associated LLFC
Low Voltage Network	1.09	1.067	1.079	1.058	1.069	580,582,586,587,923,925
Low Voltage Substation	1.075	1.057	1.066	1.05	1.059	581,583
High Voltage Network	1.062	1.045	1.054	1.037	1.046	584,588,924,928
High Voltage Substation	1.059	1.043	1.051	1.035	1.044	585
33kV Generic	1.016	1.013	1.014	1.011	1.013	
33kV Generic	1.016	1.013	1.014	1.011	1.013	
132kV Generic	1.005	1.004	1.004	1.003	1.004	
132kV Generic	1.005	1.004	1.004	1.003	1.004	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WALES'S DSA ( GSP\_K)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
	Monday to Friday Mar to Oct			00:30 - 07:30
Monday to Friday Nov to Feb	16:00-19:00	07:30-16:00	00:30-07:30	00:00-00:30 19:00-24:00
Saturday and Sunday All Year			00:30-07:30	00:00-00:30 07:30-24:00
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.084	1.078	1.069	1.073	590,592,596,597,933,935
Low Voltage Substation	1.062	1.059	1.056	1.057	591,593
High Voltage Network	1.046	1.043	1.034	1.039	594,598,934,938
High Voltage Substation	1.031	1.03	1.026	1.028	595
33kV Connected	1.023	1.021	1.017	1.02	
66kV Connected	1.034	1.034	1.039	1.039	
66/HV connected	1.044	1.043	1.049	1.049	
132/33kV connected	1.014	1.014	1.013	1.013	
132/66kV connected	1.014	1.014	1.012	1.013	
132/HV connected	1.016	1.015	1.014	1.015	
132kV connected	1.009	1.008	1.006	1.008	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WESTERN'S DSA ( GSP\_L)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
Monday to Friday Mar to Oct			00:00 - 06:30 23:30 - 24:00	06:30 - 23:30
Monday to Friday Nov to Feb	16:00 - 19:00	06:30 - 16:00	00:00 - 06:30 23:30 - 24:00	19:00 - 23:30
Saturday and Sunday All Year			00:00 - 06:30 23:30 - 24:00	06:30 - 23:30
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
EHV 132kV	1.012	1.011	1.008	1.01	n/a
EHV 132/33kV	1.017	1.015	1.013	1.014	n/a
EHV 132/HV	1.019	1.017	1.014	1.015	n/a
33 kV	1.032	1.028	1.022	1.025	n/a
EHV 33/HV	1.042	1.038	1.031	1.034	n/a
HV	1.065	1.058	1.046	1.051	604,605,608,894,948
LV	1.087	1.08	1.072	1.075	600,602,606,607,943,945
LV substation	1.078	1.072	1.065	1.068	601,603

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN YORKSHIRE ELECTRIC'S DSA ( GSP\_M)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
	Winter peak	other winter weekday	night	other
Monday to Friday Apr to Oct			00:00 - 07:00	07:00 - 24:00
Monday to Friday Nov to Feb	16:00 - 19:00	07:00 - 16:00 19:00 - 20:00	00:00 - 07:00	20:00 - 24:00
Saturday and Sunday All Year			00:00 - 07:00	07:00 - 24:00
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.093	1.085	1.069	1.075	610,612,616,617,953,955
Low Voltage Substation	1.046	1.045	1.045	1.043	611,613
High Voltage Network	1.032	1.03	1.023	1.026	614,618,954,958
High Voltage Substation	1.022	1.021	1.018	1.018	615
Greater than 22kV connected - generation	1.016	1.016	1.012	1.014	
Greater than 22kV connected - demand	1.016	1.016	1.012	1.014	

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SCOTTISH POWER'S DSA ( GSP\_N)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time Periods				
Time periods	Period 1	Period 2	Period 3	Period 4
Monday to Friday Apr - Oct and Mar	23:30 - 07:30	07:30 - 23:30		
Monday to Friday Nov to Feb	23:30 - 07:30	20:00 - 23:30	07:30 - 16:00 19:00 - 20:00	16:00 - 19:00
Saturday and Sunday All Year	23:30 - 07:30	07:30 - 23:30		
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage NHH	1.079	1.09	1.103	1.117	620,622,621,623,641,646,963
Low Voltage HH	1.078	1.089	1.103	1.116	626,627,628,629,642,647,964,967
High Voltage Network	1.024	1.027	1.031	1.034	624,645,965,968
High Voltage Substation	1.024	1.027	1.031	1.034	625
33kV Generic (Demand)	1.003	1.004	1.005	1.006	
33kV Generic (Generation)	1.000	1.000	1.000	1.000	
132kV Generic (Demand)					
132kV Generic (Generation)					

LLF TIME PERIODS AND VALUES FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SCOTTISH HYDRO ELECTRIC'S DSA ( GSP\_P)

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE LLF Time				
Time periods	Period 1	Period 2	Period 3	Period 4
	Winter weekday peak	Winter Weekday	Other	Night
Monday to Friday Nov to Feb	16:00 - 19:00	07:30 - 16:00 19:00 - 20:00	20:00 - 00:30	00:30 - 07:30
Saturday and Sunday All Year			00:00 - 00:30 07:30 - 24:00	00:30 - 07:30
Notes	All the above times are in UK Clock time			

Generic Demand and Generation LLFs					
Metered voltage, respective periods and associated LLFCs					
Metered Voltage	Period 1	Period 2	Period 3	Period 4	Associated LLFC
Low Voltage Network	1.107	1.103	1.091	1.089	630,632,636,637,973,975
Low Voltage Substation	1.061	1.06	1.058	1.06	631,633
High Voltage Network	1.041	1.039	1.038	1.031	634,638,974,978
High Voltage Substation	1.03	1.029	1.025	1.024	635
33kV Generic	1.022	1.021	1.016	1.014	

## Annex 6 - Un-scaled [nodal /network group] costs

Independent Power Networks Limited - Effective from April 2012 - INDICATIVE Nodal/Zonal charges					
Node/Zone ID	Geographical name	Charge 1 local (£/kVA)	Charge 1 remote (£/kVA)	Charge 2 local (£/kVA)	Charge 2 remote (£/kVA)
<b>IPNL DOES NOT HAVE ANY NODAL/ZONDAL CHARGES ON ANY OF ITS NETWORKS IN ANY DN AREA</b>					

## Annex 7 – Time periods for the application of unit charges

### CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EASTERN POWER NETWORKS DSA (GSP\_A)

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 16:00 to 19:00, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period between 07:00 to 16:00, and between 19:00 and 23:00 Monday to Friday including Bank Holidays
- Unit Charges in the **green** time band apply at all other times
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:00 and 19:00, Monday to Friday including Bank Holidays, between November and February inclusive
- All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN EAST MIDLANDS DSA (GSP\_B)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

	<b>Monday to Friday</b>	<b>Weekends</b>
Unit Rate 1: red	16:00 to 19:00	
Unit Rate 2: Amber	07:30 to 16:00 19:00 to 21:00	
Unit Rate 3: Green	00:00 to 07:30 21:00 to 24:00	00:00 to 24:00

- The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**
- Unit charges in the **super red** time band apply between 16:00 and 19:00, Monday to Friday from 1st November to the last date in February
  - All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN LONDON POWER NETWORKS DSA (GSP\_C)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 11:00 to 14:00 and between 16:00 and 19:00, Monday to Friday including Bank Holidays
- Unit Charges in the **amber** time band period between 07:00 to 11:00, between 14:00 and 16:00, and between 19:00 and 23:00 Monday to Friday including Bank Holidays
- Unit Charges in the **green** time band apply at all other times
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 11:00 and 14:00, Monday to Friday including Bank Holidays, between June and August inclusive, and between 16:00 and 19:00, Monday to Friday including Bank Holidays, between November and February inclusive
- All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN MANWEB'S DSA (GSP\_D)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply - between 16:30 to 19:30, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period - between 08:00 to 16:30, and between 19:30 and 22:30 Monday to Friday including Bank Holidays and 16:00 to 20:00 Saturday and Sunday
- Unit Charges in the **green** time band apply - between 00:00 to 08:00 and 22:30 to 00:00, Monday to Friday including Bank Holidays, and 00:00 to 16:00 and 20:00 to 00:00 Saturday and Sunday
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:30 and 19:30, Monday to Friday including Bank Holidays during November to February
- All times are in UK clock time.

CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN WEST MIDLANDS DSA (GSP\_E)

The time periods for the application of unit charges to LV and HV Designated Properties are as follows:

	Monday to Friday	Weekends
Unit Rate 1: red	16:00 to 19:00	
Unit Rate 2: Amber	07:30 to 16:00 19:00 to 21:00	
Unit Rate 3: Green	00:00 to 07:30 21:00 to 24:00	00:00 to 24:00

The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:

- Unit charges in the **super red** time band apply between 16:00 and 19:00, Monday to Friday from 1st November to the last date in February
- All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN NORTHERN ELECTRIC'S DSA (GSP\_F)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply - between 16:00 to 19:30, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period - between 08:00 to 16:00, and between 19:30 and 22:00 Monday to Friday including Bank Holidays
- Unit Charges in the **green** time band apply - between 00:00 - 08:00 and 22:00 - 24:00, Monday to Friday including Bank Holidays, and 00:00 and 24:00 Saturday and Sunday
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:00 and 19:30, Monday to Friday including Bank Holidays, during November to February
- All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN ELECTRICITY NORTH WEST'S DSA (GSP\_G)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 16:30 and 18:30, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period apply between 09:00 to 16:30, and 18:30 and 20:30, Monday to Friday including Bank Holidays and between 16:30 and 18:30 Saturday and Sunday
- Unit Charges in the **green** time band apply between 00:00 and 09:00 and 20:30 and 24:00, Monday to Friday including Bank Holidays, and 00:00 and 16:30 and between 18:30 and 24:00 Saturday and Sunday.
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:30 and 18:30, Monday to Friday including Bank Holidays during November to February
- All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTHERN ELECTRIC'S DSA (GSP\_H)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 16:30 to 19:00, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period apply between 09:00 to 16:30, and 19:00 to 20:30 Monday to Friday including Bank Holidays
- Unit Charges in the **green** time band apply between 00:00 to 09:00, and 20:30 to 24:00 Monday to Friday including Bank Holidays, and 00:00 and 24:00 Saturday and Sunday
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:30 and 19:00, Monday to Friday including Bank Holidays, between November and February inclusive
- All times are in UK clock time.

**CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH EASTERN POWER NETWORK'S DSA (GSP\_J)**

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply - between 16:00 to 19:00, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period - between 07:00 to 16:00, and between 19:00 and 23:00 Monday to Friday including Bank Holidays
- Unit Charges in the **green** time band apply at all other times
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:00 and 19:00, Monday to Friday including Bank Holidays, between November and February inclusive
- All times are in UK clock time.

CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WALES'S DSA (GSP\_K)

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

	Monday to Friday	Weekends
Unit Rate 1: red	17:00 to 19:30	
Unit Rate 2: Amber	07:30 to 17:00 19:30 to 22:00	12:30 to 13:00 16:00 to 21:00
Unit Rate 3: Green	00:00 to 07:30 22:00 to 24:00	00:00 to 12:00 13:00 to 16:00 21:00 to 24:00

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 17:00 and 19:30, Monday to Friday from 1st November to the last date in February excluding the period from 22nd December to 4th January inclusive
- All times are in UK clock time.

CHARGING PERIODS FOR CUSTOMERS ON IPNL EMBEDDED NETWORKS IN SOUTH WESTERN'S DSA (GSP\_L)

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

	Monday to Friday	Weekends
Unit Rate 1: red	17:00 to 19:00	
Unit Rate 2: Amber	07:30 to 17:00 19:00 to 21:30	16:30 to 19:30
Unit Rate 3: Green	00:00 to 07:30 21:30 to 24:00	00:00 to 16:30 19:30 to 24:00

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time bands apply - between 17:00 and 19:00, Monday to Friday from 1st November to the last day in February excluding the period from 22nd December to 4th January inclusive
- All times are in UK clock time.

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 16:00 to 19:30, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period apply between 08:00 to 16:00, and 19:30 and 22:00 Monday to Friday including Bank Holidays
- Unit Charges in the **green** time band apply between 00:00 - 08:00 and 22:00 - 24:00, Monday to Friday including Bank Holidays, and 00:00 and 24:00 Saturday and Sunday
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:00 and 19:30, Monday to Friday including Bank Holidays during November to February
- All times are in UK clock time.

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 16:30 to 19:30, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period apply between 08:00 to 16:30, and 19:30 and 23:30 Monday to Friday including Bank Holidays and 16:00 to 20:00 Saturday and Sunday
- Unit Charges in the **green** time band apply - between 00:00 to 08:00 and 22:30 to 00:00, Monday to Friday including Bank Holidays, and 00:00 to 16:00 and 20:00 to 00:00 Saturday and Sunday
- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 16:30 and 19:30, Monday to Friday including Bank Holidays, during November to February
- All times are in UK clock time.

**The time periods for the application of unit charges to LV and HV Designated Properties are as follows:**

- Unit Charges in the **red** time Band apply between 12:30 to 14:30, and 16:30 to 21:00, Monday to Friday including Bank Holidays;
- Unit Charges in the **amber** time band period apply between 07:00 to 12:30, and 14:30 to 16:30 Monday to Friday including Bank Holidays, and Saturday and Sunday between 12:30 to 14:00, and 17:30 to 20:30;
- Unit Charges in the **green** time band apply - between 00:00 to 07:00, and 21:00 to 24:00 Monday to Friday including Bank Holidays, and Saturday and Sunday between 00:00 to 12:30, and 14:00 to 17:30, and 20:30 to 24:00.

- All times are UK clock Time

**The time periods for the application of unit charges to Designated EHV Properties import (Demand) are as follows:**

- Unit charges in the **super red** time band apply between 12:30 and 14:30, and 16:30 and 21:00, Monday to Friday including Bank Holidays, between October and March inclusive
- All times are in UK clock time.