



SP Transmission & Distribution

STATEMENT OF CHARGES FOR THE USE OF SP MANWEB'S DISTRIBUTION SYSTEM

APPLICABLE FROM 1 APRIL 2006

**THE FORM OF THIS STATEMENT IS SUBJECT TO THE
APPROVAL OF THE GAS AND ELECTRICITY
MARKETS AUTHORITY**

STATEMENT OF CHARGES FOR THE USE OF SP MANWEB'S ELECTRICITY DISTRIBUTION SYSTEM

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1 INTRODUCTION

This statement describes the terms and conditions under which authorised persons may use SP Manweb's distribution system for the purposes of transporting electricity. The statement is prepared by SP Manweb in accordance with the requirements of Condition 4A of its Electricity Distribution Licence ('the Licence'), issued under the Electricity Act 1989 as amended ('the Act').

Words and expressions used in this statement have (unless specifically defined herein) the definitions given to them in the Act or the Licence and shall be construed accordingly. The Licence requires that the terms and charges contained in this statement must be reviewed at least once a year. Charges and costs shown are current at the time of publication but are subject to change, providing the necessary notice period required by the Licence is given. All charges are exclusive of VAT.

The form of this statement has been approved by the Gas and Electricity Markets Authority ('the Authority'). A fee of £10 (excluding VAT) will be payable for each copy of this statement which is provided in accordance with a request. Copies can also be obtained from the library section of the ScottishPower website at www.ScottishPower.com.

1.1 ScottishPower Companies

ScottishPower's Energy Networks Division includes the UK wires businesses, which comprises three asset owning companies and an asset management company. This structure was introduced in October 2001 to comply with the Utilities Act 2000.

The companies within the Energy Networks Division are:

SP Transmission Ltd, which owns the transmission network in south and central Scotland (132 kV and above), and the Scottish land-based part of the interconnector linking Scotland and Northern Ireland;

SP Distribution Ltd, which owns the distribution network (from 33 kV downwards) in south and central Scotland;

SP Manweb plc, whose distribution system is located in Merseyside, Cheshire and North Wales; and

SP Power Systems Ltd, which manages and maintains the networks on behalf of the three asset owners.

1.2 Methodology for Setting Use of System Charges

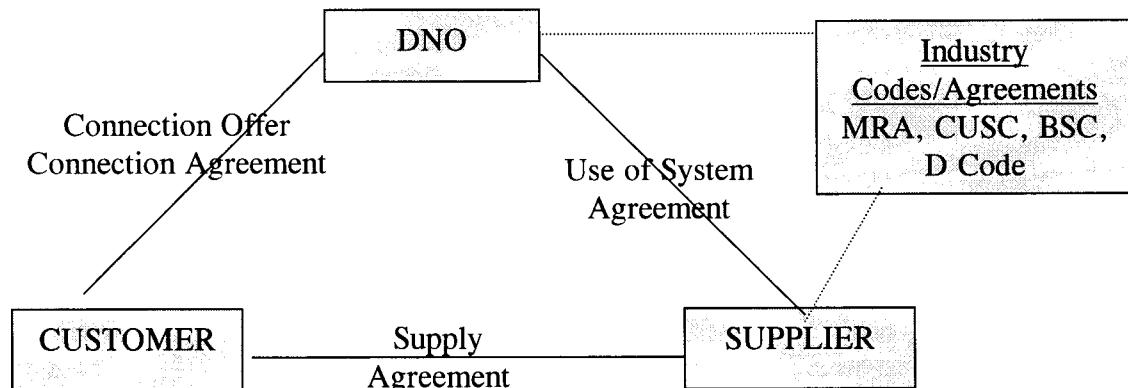
The methodology used for setting use of system charges is provided in the 'Methodology Statement Detailing the Basis of SP Manweb PLC'S Use of System Charges' issued under Condition 4 of the Electricity Distribution Licence.

The charges set out in this statement have been prepared in accordance with this methodology, as required under paragraph 1(b) of Condition 4A of the Electricity Distribution Licence.

1.3 The Contractual Framework

Users entitled to use SP Manweb's electricity distribution system are those who are authorised by Licence or by exemption under the Act to supply, distribute or generate electricity. In order to protect all Users of the system, SP Manweb will require evidence of authorisation before agreeing terms for use of the system. NOTE: In the rest of this commentary, requirements applying to authorised Users or Authorised Electricity Operators should be taken to mean Licensed Suppliers, Licensed Electricity Distributors or Licensed Generators.

High Level Contractual Framework



Users seeking to use the system will be required, prior to using the system, to enter into an agreement with SP Manweb setting out the obligations of both parties. The party seeking use of the system will be required to:

- pay all charges due in respect of use of the system as described in this statement and the accompanying schedules;
- be a party (where the person is a Licensed Supplier) to the Master Registration Agreement (MRA) for the provision of metering point administration services within SP Manweb's authorised area;
- enter into the National Grid Electricity Transmission's (NGET's) Connection and Use of System Code and any necessary Bilateral Agreement, governing

connections to and use of NGET's transmission system, unless SP Manweb is informed by NGET that this is not required in any particular case;

- be a party to the Balancing and Settlements Code; and
- comply with the provisions of the Distribution Code (copies can be downloaded at www.dcode.org.uk).

If the applicant and SP Manweb fail to agree contractual terms, or any variation of contractual terms proposed by SP Manweb, either party may request settlement by the Gas and Electricity Markets Authority.

While the terms and conditions in the agreements will be consistent with those in this statement, the agreement will take precedence. Where a User, having entered an agreement for use of SP Manweb's electricity distribution system, ceases for whatever reason to be a User with respect to that use of the system, then the entitlement to use of the system will cease forthwith, but the User will continue to be liable under the agreement unless and until the agreement is terminated. In order to avoid any liability in this regard, a User wishing to terminate his agreement or wishing to notify a change should give SP Manweb no less than 28 days' notice. SP Manweb will normally respond within 28 days of a notification of change.

Terms and conditions for connection of premises or other electrical systems to SP Manweb's electricity distribution system are contained in the Connections Statement, which is available from SP Manweb on request. Persons seeking use of the system with respect to a new supply must apply for connection in accordance with the terms and conditions described in that statement.

Where a person requires a connection to SP Manweb's electricity distribution system pursuant to Section 16 of the Electricity Act (as amended), the provisions of this statement are without prejudice to the provisions of sections 16 to 22 of the Electricity Act (as amended) (those sections which deal with the rights, powers and duties of SP Manweb, as an electricity distributor), in respect of the distribution of electricity to owners or occupiers of premises.

1.4 Contact Information

If you have any questions about the contents of this statement please contact us at the address shown below. Also given below are contact details for the Office of Gas and Electricity Gas Markets should prospective users wish to enquire separately on matters relating to this statement.

For enquiries about this statement, please contact in the first instance:

Commercial Section
SP PowerSystems
Prenton Way
Prenton
CH43 3ET

Email: commercial@sppowersystems.com

Tel. No. 0151 609 2359
Fax No. 0151 609 2492/2240

Persons seeking further information on any aspect of this document may also contact:

Ofgem
9 Millbank
London
SW1P 3GE

Tel: 0207 9017000
www.ofgem.gov.uk

2 SUPERCUSTOMER METHODOLOGY FOR USE OF SYSTEM BILLING

The Supercustomer approach to use of system billing makes use of the way that the supplier's energy settlements are calculated. In brief, the use of system charge to the supplier will have a fixed portion related to the number of metering point administration numbers (Supply Numbers - also known as 'MPANs') supplied and one or more unit portions tied to kWh consumption. The charge is calculated in a way that corresponds to the calculation of the supplier's energy purchases.

2.1 Settlements Process

Suppliers register Supply Numbers that they supply, within SP Manweb's authorised area, with SP Manweb's distribution business. The supplier passes these registration details to the data aggregator, who puts them into the settlements process.

The settlements process consists of the following steps:

- Data collectors pass consumption information to the data aggregator based on periodic meter reads and estimates.
- The data aggregator aggregates consumption by supplier and settlement class and sends it to the Supplier Volume Allocation Agent (SVAA).
- SVAA profiles supplier consumption into half-hour values to calculate energy purchases and to generate a use of system report that details consumption by settlement class.
- SP Manweb's distribution business receives a use of system report detailing consumption by settlement class for all suppliers operating in its authorised area. Each supplier receives a copy of that use of system report (with consumption figures for other suppliers removed).
- For each settlement day, the above steps are carried out normally once for an initial settlement run, three times for a reconciliation settlement run up to three months apart, and once for a final reconciliation run up to six months after the third reconciliation run. This process builds up an increasingly accurate picture of consumption. Occasionally, further settlement runs may take place.
- Suppliers receive a daily statement from SP Manweb detailing use of system charges and consumption (kWh and Supply Number count) by settlement class for a given settlement day and a specific settlements run. Suppliers also receive a periodic bill showing amounts due. The bill covers all settlement days for which use of system reports have been received during the financial period and takes reconciliation into account.

2.2 Bills, Statements and Use of System Reports

2.2.1 Use of System Reports

SVAA sends use of system reports to suppliers and to SP Manweb on a daily basis. These reports will detail the supplier's consumption on a particular day in the past, when electricity was consumed, i.e. the settlement day. This consumption is expressed in terms of kWh totals and a count of Supply Numbers. For each settlement day, up to five use of system reports (initial, reconciliation one, reconciliation two, reconciliation three, and final reconciliation) will be sent out by SVAA. The last report (final reconciliation) may be sent as much as fourteen months after the settlement day itself. In certain circumstances, further 'dispute' reconciliations may be used.

2.2.2 Statements

These are produced daily, for each settlement day for which SP Manweb has received a use of system report. They are calculated by taking consumption for a settlement class for a supplier and applying a use of system charge to it. The unit charge portion of a use of system charge is applied to the relevant kWh total and the fixed charge portion to the Supply Number count. Statements do not take account of previous reconciliation runs or VAT.

2.2.3 Bills

These are calculated on a periodic basis and sent by SP Manweb to each supplier for whom the company is delivering supplies of electricity through its distribution system. These periodic bills cover each settlement day whose consumption figures (in the form of a use of system report) have been received on a day within the financial period. Unlike statements, bills take account of previous reconciliation runs and include VAT.

2.3 Reconciliation and Interest

Reconciliation is the process by which the billing mechanism seeks to ensure that the supplier and the company are cash neutral in spite of earlier consumption figures being inaccurate. Any monies over or under claimed after receipt of one use of system report should be compensated (including interest) on receipt of the following and more accurate report.

The bill calculated from the current reconciliation run is compared with that calculated on the previous run. The difference is known as the reconciliation amount. A negative reconciliation amount represents an amount that SP Manweb must pay to the supplier, as the more accurate consumption is less than previously billed. A positive reconciliation amount represents an additional amount that the supplier must pay to SP Manweb (as the more accurate consumption is more than was previously billed).

The compound interest payable on the reconciliation amount is calculated by formula and individual amounts of such interest are aggregated for a supplier for a single settlement day and included on the bill. Consumption for all settlement days received during the financial period is included on the bill.

3 HALF HOURLY USE OF SYSTEM CHARGING DEFINITIONS AND EXPLANATORY NOTES

3.1 Charging Definitions

3.1.1 *Year of Use*

Year of Use means the period of twelve consecutive months from 1st April to the following 31st March.

3.1.2 *Month*

For half-hourly metered sites month means a calendar month.

A normal meter reading should be received for each month of the Year of Use.

3.1.3 *Maximum Capacity*

The amount of electricity expressed, in kVA, at the delivery point provided by SP Manweb.

3.1.4 *Chargeable Capacity*

Chargeable Capacity is whichever is the higher of the following:

- Maximum Capacity (in kVA)
- the kVA of Maximum Demand at the delivery point.

Where the Chargeable Capacity exceeds the Maximum Capacity SP Manweb reserve the right to re-declare the Maximum Capacity.

3.1.5 *kVA of Maximum Demand*

kVA of Maximum Demand means twice the greatest number of kilovolt-ampere-hours taken during any thirty consecutive minutes in the relevant period. This may be calculated from the kW of maximum demand (import) and the kVAr of maximum demand (import).

The maximum in the month is calculated on a half hourly basis using the following calculation: - $2 \times (\text{square root}(\text{Active Import}^2 + \text{Reactive Import}^2))$

For sites with generation the maximum import in the month is calculated on a half hourly basis where Active Import is not equal to 0 and Active Export = 0, the following calculation is used: -

$2 \times (\text{square root}(\text{Active Import}^2 + (\text{Reactive Import} - \text{Reactive Export})^2))$.

For all other scenarios no calculation would be carried out in that particular half hour.

3.1.6 *Reactive Charges*

Chargeable Reactive Units (kVArh) is the total kilovolt-amperes-reactive-hours in excess of the number obtained by multiplying the total kilowatt hours registered during the month by 0.33.

The following calculation is used to determine the Chargeable Reactive Units in the month: -

Total Reactive Import consumption – (0.33 × Total Active Import consumption).

If the result is positive then the charge will be the Chargeable Reactive Units × Charge Rate. If the result is negative then there will be no charge.

For sites with generation the Import Chargeable Reactive Units will be calculated as follows: -

In each half hour where Active Import is not equal to 0 and Active Export = 0, the following calculation is used: -

(Reactive Import – Reactive Export) – (0.33 × Active Import).

For all other scenarios, no calculation will be carried out for that half hour, which would result in a 0.

The results for each half hour in the month are summated. Where the answer is positive then the charge will be Import Chargeable Reactive Units × Charge Rate. If the result is negative no charge will apply.

3.1.9 *Kilowatts of demand*

Twice the number of kilowatt-hours supplied in any automatic resetting period of thirty consecutive minutes.

3.1.10 *kWh*

kWh means one kilowatt-hour.

3.2 Explanatory Notes

3.2.1 *Maximum Capacity*

Where the Maximum Capacity is re-declared during the Year of Use, the existing Maximum Capacity will be updated to reflect the re-declared value. The re-

declared value will be chargeable for any Billing Period or part of a Billing Period during which the revised value became effective.

3.2.2 *Reduction in Maximum Capacity*

No reduction in Maximum Capacity will normally be permitted for a period of 5 years from the date that the capacity was first made available at the premises, or from the date at which a change in capacity (involving expenditure by SP Manweb) was provided.

Subject to the above, reductions in Maximum Capacity will normally be permitted at intervals of not less than one year, providing that at least 28 days prior written notice of such a change has been given to SP Manweb.

3.2.3 *Change of Supplier*

A supplier is responsible for all DUoS charges up to the time another supplier registers the site. The change of supplier meter readings will be used when determining the DUoS charges for the outgoing supplier.

A change of supplier does not affect the definition of Chargeable Capacity.

3.2.4 *Change of Tenancy*

On change of tenancy the new customer may if appropriate reduce the Maximum Capacity required. Any reduction in the Maximum Capacity will only be retrospectively applied up to a maximum of 3 months from the date of any such request. All requests must be received in writing from the new customer to SP Manweb and are subject to approval by SP Manweb.

3.2.5 *Periods of de-energisation*

DUoS Charges will not be applied during periods of de-energisation.

3.2.6 *Disconnection*

DUoS Charges will not be applied after a site is disconnected.

4 GENERATOR USE OF SYSTEM CHARGING DEFINITIONS AND EXPLANATORY NOTES

4.1 Charging Definitions

4.1.1 *Year of Use*

Year of Use means the period of twelve consecutive months from 1st April to the following 31st March.

4.1.2 *Month*

For half-hourly metered sites month means a calendar month.

A normal meter reading should be received for each month of the Year of Use.

4.1.3 *Maximum Capacity*

The amount of electricity expressed, in kVA, at the delivery point provided by the SP Manweb.

4.1.4 *Chargeable Capacity*

Chargeable Capacity is whichever is the higher of the following:

- Maximum Capacity (in kVA)
- the kVA of Maximum Demand at the delivery point.

Where the Chargeable Capacity exceeds the Maximum Capacity SP Manweb reserve the right to re-declare the Maximum Capacity.

4.1.5 *kVA of Maximum Demand*

kVA of Maximum Demand means twice the greatest number of kilovolt-ampere-hours exported during any thirty consecutive minutes in the relevant period. This will be calculated from the kW of maximum demand (export) and the net kVar of maximum demand (import - export).

The maximum export in the month is calculated on a half hourly basis where Active Export is not equal to 0 and Active Import = 0, the following calculation is used: -

$$2 \times (\text{square root} (\text{Active Export}^2 + (\text{Reactive Import} - \text{Reactive Export})^2)).$$

For all other scenarios no calculation would be carried out in that particular half hour.

4.1.6 Reactive Charges

Chargeable Reactive Units (kVArh) is the net kilovolt-amperes-reactive-hours imported in excess of the number obtained by multiplying the total kilowatt hours exported during the month by 0.33.

The Export Chargeable Reactive Units will be calculated in each half hour as follows: -

Where Active Export is not equal to 0 and Active Import = 0, the following calculation is used: -

(Reactive Import - Reactive Export) - (0.33 × Active Export).

For all other scenarios, no calculation will be carried out for that half hour, which would result in a 0.

The results for each half hour in the month are summated. Where the answer is positive then the charge will be Export Chargeable Reactive Units × Charge Rate. If the result is negative then no charge will apply.

4.2 Explanatory Notes

4.2.1 Maximum Capacity

Where the Maximum Capacity is re-declared during the Year of Use, the existing Maximum Capacity will be updated to reflect the re-declared value. The re-declared value will be chargeable for any Billing Period or part of a Billing Period during which the revised value became effective.

4.2.2 Reduction in Maximum Capacity

No reduction in Maximum Capacity will normally be permitted for a period of 5 years from the date that the capacity was first made available at the premises, or from the date at which a change in capacity (involving expenditure by SP Manweb) was provided.

Subject to the above, reductions in Maximum Capacity will normally be permitted at intervals of not less than one year, providing that at least 28 days prior written notice of such a change has been given to SP Manweb.

4.2.3 Change of Supplier

A supplier is responsible for all DUoS charges up to the time another supplier registers the site. The change of supplier meter readings will be used when determining the DUoS charges for the outgoing supplier.

A change of supplier does not affect the definition of Chargeable Capacity.

4.2.4 Change of Ownership

On change of ownership the new customer may if appropriate reduce the Maximum Capacity required. Any reduction in the Maximum Capacity will only be retrospectively applied up to a maximum of 3 months from the date of any such request. All requests must be received in writing from the new customer to SP Manweb and are subject to approval by SP Manweb.

4.3 Network Unavailability Rebates

For generators that are due network unavailability rebates, these will be calculated as follows: -

Network Unavailability Rebates = £20 per MW of installed capacity \times total duration of relevant interruptions (in hours). Subject to a maximum value of the annual use of system charges for the generator and a minimum value of £50.

5 COMPETITIVE SUPPLY MARKET INFRASTRUCTURE

The following are the categories of service which SP Distribution/SP Manweb is required under its Distribution Licence to provide to AEO's in support of a competitive supply market and for which SP Manweb is remunerated either wholly or partly through use of system charges, or through the transaction charges set out in Schedules 4 to 5 attached. Suppliers will be expected to behave reasonably in relation to the use of associated services for transaction charges.

The services include: -

- Radio teleswitch services
- Other services ancillary to use of system



SCHEDULE 1 - CHARGES FOR USE OF THE DISTRIBUTION SYSTEM

Table 1: DUoS and GDUoS Tariff Charges

Table 2: DUoS Tariff Look Up Table (for conversion of LLFCs to DUoS tariffs, and for identification of valid profile class, MTC and SSC combinations)

Table 3: Conditions



TABLE 1 - DUoS and GDuoS Charges

No.	Tariff Description	LLFC	Market	PC	Fixed Charges		Unit Charges		Capacity/ Demand Charges	Reactive Power Charges	Tariff closed to new customers
					Fixed Charge 1 (p/MPAN/day)	Fixed Charge 3 (p/site/day)	Day Unit Charge 1 (p/kWh)	Night Unit Charge 1 (p/kWh)			
D01	Dom Unrestricted, Credit	101	NHH - import	1	5.35		1.54				
D02	Dom Unrestricted, ppm	102	NHH - import	1	5.35		1.54				
D03	Dom E7, Credit	111	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
D03	Dom E7, Credit	131, 133, 147, 149	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
D04	Dom E7, ppm	112	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
D04	Dom E7, ppm	132, 134, 148, 150	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
D05	TwinHeat A, Credit	113	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D06	TwinHeat A, ppm	114	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D07	TwinHeat B, Credit	115	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D08	TwinHeat B, ppm	116	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D09	Option 14, Credit	119	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D10	Option 14, ppm	120	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D11	White Meter 8, Credit	145	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
D12	White Meter 8, ppm	146	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
D13	Dom Day/Night, Credit	103	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D14	Dom Control, Credit	104	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D15	Dom Day/Night, ppm	105	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D16	Dom Control, ppm	106	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
D17	Dom Economy 10, Credit	117	NHH - import	2	6.27		1.69	0.55	0.55	0.55	
S06	Heatcare, Credit	153	NHH - import	2	6.27		1.69	0.55	0.55	0.55	C
S08	Metered Cyclocontrol	155	NHH - import	2	6.27		0.97				C
S01	Off Peak A	135, 140, 233	NHH - import	2.84				1.03			C
S02	Off Peak C	136, 141, 234	NHH - import	2.84				0.69			C
S03	Off Peak D	137, 142, 235	NHH - import	2.84				0.97			C
S04	Off Peak E	138, 143, 236	NHH - import	2.84				0.55			C
S05	Off Peak S	237	NHH - import	2.84				0.97			C
B01	Bus Single Rate, Credit, LVN	201	NHH - import	3	10.74			1.47			
B02	Bus Single Rate, ppm, LVN	202	NHH - import	3	10.74			1.47			
B03	Bus E7, Credit, LVN	205, 231	NHH - import	4	17.24			1.62	0.39		
B04	Bus E7, ppm, LVN	232	NHH - import	4	17.24			1.62	0.39		
B05	Bus Single Rate, Credit, LVS	207	NHH - import	3	10.74			1.47			
B06	Bus STO0, Credit, LVS	210	NHH - import	4	17.24			1.62	0.39		
B06	Bus E7, Credit, LVS	208	NHH - import	4	17.24			1.62	0.39		
B07	Bus Peak, Credit, LVN	203	NHH - import	3	10.74			1.47	1.47		
B08	Bus Peak, Credit, LVS	209	NHH - import	3	10.74			1.47	1.47		
B13	Bus Day/Night, Credit, LVN	211	NHH - import	4	17.24			1.62	0.39		
B14	Bus Control, Credit, LVN	212	NHH - import	4				0.39			
M06	Business MD, LVN	401, 402	NHH LVN - import	5.8	57.80			1.29	0.25		
M07	Business MD, LVS	403, 404	NHH LVS - import	5.8	37.58			1.32	0.22		
M08	Business MD, HVN	405	NHH HV - import	5.8	632.59			0.85	0.14	1.37	0.29



M16	Business HH, LVN	501	HH LVN - import	0	69.66	1.10	0.20	1.74	0.29	C
M17	Business HH, LVS	503	HH LVS - import	0	59.51	1.12	0.19	0.67	0.29	C
M26	Business HH, LVN	511	HH LVN - import	0	69.66	1.10	0.20	1.74	0.29	
M27	Business HH, LVS	513	HH LVS - import	0	59.51	1.12	0.19	0.67	0.29	
M36	Business HH, LVN Generator import	591	HH LVN - import	0	69.66	1.10	0.20	1.74	0.29	
M37	Business HH, LVS Generator import	592	HH LVS - import	0	59.51	1.12	0.19	0.67	0.29	
M18	Business HH, HVN	505	HH HVN - import	0	632.59	0.85	0.14	1.37	0.19	C
M19	Business HH, HVS	507	HH HVS - import	0	59.51	0.63	0.09	0.60	0.19	C
M28	Business HH, HVN	515	HH HVN - import	0	632.59	0.85	0.14	1.37	0.19	
M29	Business HH, HVS	517	HH HVS - import	0	59.51	0.63	0.09	0.60	0.19	
M38	Business HH, HVN Generator import	593	HH HVN - import	0	632.59	0.85	0.14	1.37	0.19	
M39	Business HH, HVS Generator import	594	HH HVS - import	0	59.51	0.63	0.09	0.60	0.19	
U01	UMS good inv	900, 901, 902, 903, 910	NHH - UMS	18.8	1.52	1.76				
U02	UMS poor inv	904, 905, 906, 907	NHH - UMS	18.8	1.52	1.94				
U03	UMS, Cyclocontrol, good inv	912	NHH - UMS	8	1.52	1.76				
U04	UMS, Cyclocontrol, poor inv	913	NHH - UMS	8	1.52	1.94				
132kV connected		801+	HH EHV - import	0	1617.40	Site specific				
33kV connected		801+	HH EHV - import	0	1617.40	Site specific				
LV connected generators with non-half-hourly metering ²			NHH - export	1-8						
E01	LVN connected generators pre April 05	795	HH LVN - export	0						
E02	LVS connected generators pre April 05	796	HH LVS - export	0						
E05	LVN connected generators post April 05	791	HH LVN - export	0						
E06	LVS connected generators post April 05	792	HH LVS - export	0						
E03	HVN connected generators pre April 05	797	HH HVN - export	0						
E04	HVS connected generators pre April 05	798	HH HVS - export	0						
E07	HVN connected generators post April 05	793	HH HVN - export	0						
E08	HVS connected generators post April 05	794	HH HVS - export	0						
EHV connected generators ANGLESEY		601+	HH EHV - export	0						
EHV connected generators NORTH WALES EXCLUDING ANGLESEY		601+	HH EHV - export	0						
EHV connected generators MID WALES		601+	HH EHV - export	0						
EHV connected generators MERSEYSIDE, CHESHIRE ETC		601+	HH EHV - export	0						

TABLE 2 - DUoS Tariff Look Up Table

DOMESTIC CODES	LLFC Id	Profile Class	DUoS Tariff	LLFC Description	Timeswitch Code	Meter Settlement Configuration	Unit Rate 1		TPR	TPR
							Switching	Regime		
101	1	D01	Domestic	single rate credit	500.501.801.802	393	1	24 hours	---	---
102	1	D02	Domestic	single rate prepayment	510.511.838.840	393	1	24 hours	0730-0030 GMT	13082.13085.13088
103	2	D13	Domestic	day/night credit	546	787.789.791	13083.13086.13089	dynamic control	---	---
104	2	D14	Domestic	control credit	547	788	13084	dynamic control	---	---
105	2	D15	Domestic	day/night prepayment	550	790	13087	dynamic control	---	---
106	2	D16	Domestic	control prepayment	551	792	13090	dynamic control	---	13082.13085.13088
111	2	D03	Domestic	E7 standard credit	548	788	13084	dynamic control	---	---
112	2	D04	Domestic	E7 standard prepayment	549	790	13087	dynamic control	---	---
113	2	D05	TwinHeat	A credit	552	792	13090	dynamic control	---	---
114	2	D06	TwinHeat	A prepayment	553	151	43	0730-0030 GMT	210	1324
115	2	D07	TwinHeat	B credit	811.812	187	1325	0730-0030 GMT	210	210
116	2	D08	TwinHeat	B prepayment	814.815	151	43	0730-0030 GMT	1324	1324
117	2	D17	Domestic	Economy 10 credit	6.8	187	1325	0730-0030 GMT	1324	1324
119	2	D09	Option	14 credit	50.52	445	1406	0700-1330.1630-0300	1407	1407
120	2	D10	Option	14 prepayment	51.53	445	1406	0700-1330.1630-0300	1407	1407
131	2	D03	Menter	A credit	52.52	446	1408	0100-1200.1500-2100	1409	1409
132	2	D04	Menter	A prepayment	54.56	446	1408	0100-1200.1500-2100	1409	1409
133	2	D03	Menter	B credit	55.57	446	1408	0100-1200.1500-2100	1409	1409
134	2	D04	Menter	B prepayment	56.58	396	0030-0430,0730-1300	396	1600-2030	395
135	2	S01	Off peak	A credit	17.19	79	164	0800-1300,1600-2100	97	97
136	2	S02	Off peak	C credit	18.20	79	164	0800-1300,1600-2100	97	1320
137	2	S03	Off peak	D credit	29.31	255	1321	0730-0030 GMT	1320	1320
138	2	S04	Off peak	E credit	30.32	255	1321	0730-0030 GMT	1316	1316
139	2	S01	Off peak	A prepayment	25.27	254	1317	0730-0030 GMT	1316	1316
140	2	S02	Off peak	C prepayment	26.28	57	119	10 hours + 2 hours	---	---
141	2	S03	Off peak	D prepayment	524.526	57	119	8 hours	---	---
142	2	S04	Off peak	E prepayment	516.518	270	196	8 hours + 3 hours	---	---
143	2	D11	White	Meter 8 credit	528.530	35	150	7 hours	---	---
145	2	D12	White	Meter 8 prepayment	51.2.514	251	210	10 hours + 2 hours	---	---
146	2	S01	Off peak	A prepayment	525.527	57	119	8 hours	---	---
147	2	D03	System	3 credit	517.519	270	196	8 hours + 3 hours	---	---
148	2	D04	System	3 prepayment	529.531	35	150	7 hours	---	---
149	2	D03	Hightown	credit	513.515	251	210	0800-2400 GMT	196	196
150	2	D04	Hightown	prepayment	13.15	257	57	0800-2400 GMT	196	196
153	2	S06	Heatcare	credit	14.16	257	1308.1309	0730-0030 GMT	1310	1310
155	2	S08	Metered	Cyclocontrol	3.9	130	131.1312	0730-0030 GMT	1313	1313
					4.1	131	1308.1309	0730-0030 GMT	1310	1310
					4.0	130	131.1312	0730-0030 GMT	1313	1313
					4.2	131	1308.1309	0730-0030 GMT	1310	1310
					544	123.124.125.396	1307.1319.1315.1323	variable	1313	1313
					35	35	150	to balance network	---	---



BUSINESS QUARTERLY		B01		Business rate credit LV net		500.501.801.802		393		1		24 hours		24 hours	
201	202	3	3	Business rate credit LV net	500.511.838.840	393	393	1	1	201	169.202	0730-030 or	0630-2330 GMT	0730-030 or	245
203	204	3	3	Business rate prepaynt LV net	33.34	122	122	1	1	249	169.202	0730-030 or	0630-2330 GMT	0730-030 or	222
205	206	4	4	Business peak credit LV net	43.44	129	129	1	1	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
207	208	3	4	Business rate credit LV sub	500.501.801.802	393	393	1	1	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
209	210	3	4	Business peak credit LV sub	9.11	349	349	1	1	210	169.202	0730-030 or	0630-2330 GMT	0730-030 or	210
211	212	4	4	Business peak credit LV sub	811.812	151	151	50	50	245	169.202	0730-030 or	0630-2330 GMT	0730-030 or	222
213	214	4	4	Business day/night credit LV net	33.34	122	122	201	201	245	169.202	0730-030 or	0630-2330 GMT	0730-030 or	222
215	216	4	4	Business control credit LV net	45.46	136	136	124.202.246	124.202.246	210	169.202	0730-030 or	0630-2330 GMT	0730-030 or	210
217	218	4	4	Business control credit LV net	546	787.789.791	787.789.791	130.83.130.86.130.89	130.83.130.86.130.89	210	169.202	0730-030 or	0630-2330 GMT	0730-030 or	210
219	220	4	4	Business control credit LV net	547	788	788	130.84	130.84	210	169.202	0730-030 or	0630-2330 GMT	0730-030 or	210
221	222	4	4	Business control credit LV net	550	790	790	130.87	130.87	210	169.202	0730-030 or	0630-2330 GMT	0730-030 or	210
223	224	4	4	Business E7 credit LV net	551	792	792	50	50	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	222
225	226	4	4	Business E7 prepayment LV net	9.11	349	349	43	43	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	222
227	228	4	4	Business E7 prepayment LV net	811.812	151	151	50	50	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	222
229	230	4	4	Off peak A credit	10.12	349	349	57	119	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
231	232	4	4	Off peak A credit	524.526	270	270	196	196	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
233	234	4	4	Off peak C credit	516.518	35	35	150	150	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
235	236	4	4	Off peak D credit	528.530	251	251	210	210	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
237	238	4	4	Off peak E credit	512.514	3	3	166	166	222	169.202	0730-030 or	0630-2330 GMT	0730-030 or	---
BUSINESS MAXIMUM DEMAND		5 to 8		M06		Business MD LV net		9.11		349		1		50	
401	402	5 to 8	5 to 8	M06	Business MD ST00 LV net	45.46	136	136	124.202.246	124.202.246	222	169.202	0630-2330	0630-2330	222
403	404	5 to 8	5 to 8	M07	Business MD LV sub	9.11	349	349	124.202.246	124.202.246	222	169.202	0630-2330	0630-2330	222
405	406	5 to 8	5 to 8	M08	Business MD ST00 LV sub	45.46	136	136	124.202.246	124.202.246	222	169.202	0630-2330	0630-2330	222
BUSINESS HALF HOURLY		M06		Business MD LV net		9.11		349		1		50 <td data-kind="ghost"></td> <td data-cs="2" data-kind="parent">222</td> <td data-kind="ghost"></td>		222	
501	502	none	none	M16	Business HH LV net	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
503	504	none	none	M17	Business HH LV sub	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
505	506	none	none	M18	Business HH HV net	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
507	508	none	none	M19	Business HH HV sub	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
511	512	none	none	M26	Business HH LV net	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
513	514	none	none	M27	Business HH LV sub	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
515	516	none	none	M28	Business HH HV net	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
517	518	none	none	M29	Business HH HV sub	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
591	592	none	none	M36	Business HH LV net	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
593	594	none	none	M37	Business HH LV sub	845 to 856	none	169.202	169.202	222	169.202	0630-2330	0630-2330	222	
GENERATION SITE SPECIFIC		M38		Generator HH net		845 to 856		none		169.202		0630-2330		0630-2330	
601+		sites to be identified individually		M39		Business HH HV net		845 to 856		none		169.202		0630-2330	
SITE SPECIFIC EH/V		801+		sites to be identified individually		M40		sites to be identified individually		M41		sites to be identified individually		M42	
UNMETERED		801+		sites to be identified individually		M43		sites to be identified individually		M44		sites to be identified individually		M45	
TRACTION RAIL		921+		sites to be identified individually		M46		sites to be identified individually		M47		sites to be identified individually		M48	
900	901	8	1	U01	UMS flat, good inv	502.857	428	259	259	258	0600-2200	0600-2200	258	258	
902	903	1	1	U01	UMS dusk to dawn, good inv	504.859	429	261	261	260	0900-1900	0900-1900	260	260	
904	905	1	1	U01	UMS half nt+ pre dawn, good inv	505.860	430	265	265	264	0100-0500	0900-1600	264	264	
906	907	1	1	U02	UMS dawn to dusk, good inv	503.858	431	263	263	262	0400-1600	0400-1600	262	262	
910	911	1	1	U02	UMS flat, poor inv	502.857	428	259	259	258	0600-2200	0600-2200	258	258	
912	913	8	8	U01	UMS dusk to dawn, poor inv	504.859	429	261	261	260	0900-1900	0900-1900	260	260	
913	921	8	8	U02	UMS half nt+ pre dawn, poor inv	505.860	430	265	265	264	0100-0500	0900-1600	264	264	
914	922	1	1	U03	UMS dawn to dusk, poor inv	503.858	431	263	263	262	0400-1600	0400-1600	262	262	
915	923	1	1	U04	UMS pseudo HH, good inv	863	none	---	---	---	---	---	---	---	---
916	924	1	1	U05	UMS Cyclocontrol, good inv	502.857	428	259	259	258	0600-2200	0600-2200	258	258	
917	925	1	1	U06	UMS Cyclocontrol, poor inv	502.857	428	259	259	258	0600-2200	0600-2200	258	258	

TABLE 3 – Conditions – DUoS Tariffs**DUoS Tariffs - Domestic**

The Domestic group of tariffs is available for supplies of electricity for use exclusively for domestic purposes in a private residence.

Other supplies that may be treated as Domestic are:

1. A separately metered supply of electricity for domestic purposes in a detached garage.
2. Residential accommodation (e.g. boarding houses, children or old people's homes, nurses' residences), which have ten or less assessable rooms.
3. Staircase lighting in residential accommodation either:
 - a) Provided by the landlord who is a part occupier of the premises and has a personal domestic supply, or
 - b) Separately metered and provided by the landlord who is not an occupier of the premises.
4. Separately metered communal services in residential accommodation where the total installed load does not exceed 5kW.

Where the supply of electricity is used partly for domestic purposes and partly for the purposes of or in connection with any trade, business or profession (including farming), a business tariff will apply.

<u>TARIFF</u>	<u>CONDITIONS</u>	<u>NOTES</u>
D01, D02	All units charged at the same rate.	
D03, D04	7 consecutive hours at "night" rate available between 12.00 midnight and 8.00am. All other times charged at higher rate.	GMT See Footnote ¹
D09, D10	3 hours at "low" rate available from 1.00pm to 4.00pm and 11 hours from 9.00pm to 8.00am. All other times charged at higher rate.	Clock Time See Footnote ¹
D05, D06, D07, D08	7 hours at "low" rate from 9.00pm to 1.00am and 12.00 noon to 3.00pm OR from 3.00am to 7.00am and 1.30pm to 4.30pm. All other times charged at higher rate.	Clock Time See Footnote ¹
D13/14, D15/16	7 consecutive hours at "night" rate between 00.30am and 07.30am. Remaining hours on "day" rate. Controlled circuit variable hours according to weather. These two regimes must be taken together. Two supply numbers will be allocated.	GMT
D17	10 hours at "low" rate from 4.30am to 7.30am, 1.00pm to 4.00pm and 8.30pm to 12.30am. All other times charged at higher rate.	Clock Time See Footnote ¹

¹ From time to time SP Manweb will publish a list of areas within which the timing of switched load on two-rate tariffs is restricted. See Schedule 1 Table 6 for current details.

DUoS Tariffs - Business

Available where a Domestic DUoS Tariff does not apply.

<u>TARIFF</u>	<u>CONDITIONS</u>	<u>NOTES</u>
Business LV Network Single Rate: B01, B02	For supplies from the Low Voltage Network, where a single rate supply tariff applies. Available to customers with a capacity of less than 45kVA.	
Business LV Network Two Rate: B03, B04	For supplies from the Low Voltage Network, with a multi-rate supply tariff where the night period is 11.30pm to 6.30am or 12.30am to 7.30am. Available to customers with a capacity of less than 45kVA.	GMT
Business day/night and Control: B13/14	7 consecutive hours at "night" rate between 00.30am and 07.30am. Remaining hours on "day" rate. Controlled circuit variable hours according to weather. These two regimes must be taken together. Two supply numbers will be allocated. Available to customers with a capacity of less than 45kVA.	GMT
LV Network MD: M06	For supplies from the Low Voltage Network, with a non half-hourly metered monthly tariff where the "night" period is from 11.30pm to 6.30am.	GMT
LV Substation MD: M07	For Substation Supplies at Low Voltage, with a non half-hourly metered monthly tariff where the night period is from 11.30pm to 6.30am and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the substation accommodation.	GMT
LV Network HH: M26/M36	For supplies from the Low Voltage Network, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am. Only available to customers with a demand of 100kW and above, having half-hourly metering. M36 - generator import tariff.	GMT
LV Substation HH: M27/M37	For Substation Supplies at Low Voltage, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the	GMT

	<p>substation accommodation.</p> <p>Only available to customers with a demand of 100kW and above, having half-hourly metering.</p> <p>M37 – generator import tariff.</p>	
HV Network HH: M28/M38	<p>For supplies from the High Voltage Network, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am.</p> <p>Only available to customers with a demand of 100kW and above, having half-hourly metering.</p> <p>M38 – generator import tariff.</p>	GMT
HV Substation HH: M29/M39	<p>For Substation Supplies at High Voltage, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the substation accommodation.</p> <p>Only available to customers with a demand of 100kW and above, having half-hourly metering.</p> <p>M39 – generator import tariff.</p>	GMT
Unmetered (Good Inventory): U01	Available for unmetered supplies whose pattern of use is reasonably predictable, for which a detailed and accurate inventory of connected equipment is provided.	
Unmetered (Poor Inventory): U02	Available for unmetered supplies whose pattern of use is reasonably predictable, for which a detailed and accurate inventory is not provided.	

DUoS Tariffs – Preserved

Tariffs no longer available to new connections:

D11, D12	8 consecutive hours at "night" rate between 11.00pm and 9.00am. All other times charged at higher rate.	Preserved GMT
S01	Must be taken with Domestic Single Rate or Business LV Network Single Rate Tariff. Available for approximately 10 hours between 7.00pm and 7.00am, and for a further 2 hours from 1.30pm to 3.30pm	Preserved GMT
S02	Must be taken with Domestic Single Rate or Business LV Network Single Rate tariff. Available for approximately 8 hours between 10.00pm and 9.30am.	Preserved GMT
S03	Must be taken with Domestic Single Rate or Business LV Network Single Rate tariff. Available for 7 or 8 hours at night and 3 hours during the day according to the following criteria: either a) 8 hours 11.00pm - 7.00am or b) 7 hours 1.30am - 8.30am and, in addition either c) 3 hours 1.30pm - 4.30pm or d) 3 hours split 11.30am - 1.00pm and 3.00pm - 4.30pm	Preserved GMT
S04	Must be taken with Domestic Single Rate or Business LV Network Single Rate tariff. Available for approximately 7 hours between 10.00pm and 9.30am.	Preserved GMT
S05	Must be taken with Domestic Single Rate or Business LV Network Single Rate tariff. Available for approximately 10 hours between 7.30pm and 7.30am.	Preserved GMT
D91, D92	All units charged at the same rate. Applies where night period does not coincide with alternative times for two rate tariffs listed above.	
Business LV Substation Single Rate: B05	For Substation Supplies at Low Voltage, where a single rate supply tariff applies and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the substation accommodation. Available to customers with a capacity of less than 45kVA.	Preserved
HV Network MD: M08	For supplies from the High Voltage Network, with a non half-hourly metered monthly tariff	Preserved

	where the "night" rate is from 11.30pm to 6.30am.	GMT
Business LV Substation Two Rate: B06	For Substation Supplies at Low Voltage, with a multi-rate supply tariff where the night period is 11.30pm to 6.30am or 12.30am to 7.30am, and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the substation accommodation. Available to customers with a capacity of less than 45kVA.	Preserved GMT
LV Network HH: M16	For supplies from the Low Voltage Network, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am. Only available to customers with a demand of 100kW and above, having half-hourly metering.	GMT
LV Substation HH: M17	For Substation Supplies at Low Voltage, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the substation accommodation. Only available to customers with a demand of 100kW and above, having half-hourly metering.	GMT
HV Network HH: M18	For supplies from the High Voltage Network, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am. Only available to customers with a demand of 100kW and above, having half-hourly metering.	GMT
HV Substation HH: M19	For Substation Supplies at High Voltage, with a monthly tariff where the "night" rate is from 11.30pm to 6.30am and where the substation accommodation is provided, owned and maintained by the customer, at their expense, to SP Manweb's requirements and the customer has granted SP Manweb a licence to occupy the substation accommodation. Only available to customers with a demand of 100kW and above, having half-hourly metering.	GMT
Unmetered (Cyclocontrol): U03, U04	Domestic supplies from LV Network where heating is provided by controlled circuit. Times of availability are determined by local distribution network conditions.	Preserved

SCHEDULE 2 – METERING FUNCTIONALITY AND DATA REQUIREMENTS

<u>DUoS Tariff</u>	<u>Application</u>	<u>Metering Functionality</u>	<u>Meter Reading Frequency</u>	<u>Time for Provision of Data to Distributor</u>
D01	single phase or polyphase supply to domestic property - credit	kWh total	quarterly 1	Supercustomer
D02	single phase or polyphase supply to domestic property - prepayment	kWh total	quarterly 1	Supercustomer
D03 D05 D07 D09 D11	single phase or polyphase supply to domestic property - credit	kWh rate 1, 2 kWh rate 2	quarterly 1	Supercustomer
D04 D06 D08 D10 D12	single phase or polyphase supply to domestic property - prepayment	kWh rate 1, 2 kWh rate 2	quarterly 1	Supercustomer
D13 / D14	Single phase or polyphase supply to domestic property – credit with separately wired circuit	kWh rate 1, 2 kWh rate 2 kWh rate 3	quarterly 1	Supercustomer
D15 / D16	Single phase or polyphase supply to domestic property – prepayment with separately wired circuit	kWh rate 1, 2 kWh rate 2 kWh rate 3	quarterly 1	Supercustomer
S01 S02 S03 S04 S05 S06 S08	Off Peak separately wired circuit - credit	kWh total	quarterly 1	Supercustomer
S01 S02 S03 S04 S05 S07 S08	Off Peak separately wired circuit - prepayment	kWh total	quarterly 1	Supercustomer
B01	single phase or polyphase supply to business from LV network taking less than 45kVA - credit	kWh total	quarterly 1	Supercustomer
B02	single phase or polyphase supply to business from LV network taking less than 45kVA - prepayment	kWh total	quarterly 1	Supercustomer
B03, B07	single phase or polyphase supply to business from LV network taking less than 45kVA - credit	kWh rate 1, 2 kWh rate 2	quarterly 1	Supercustomer
B04	single phase or polyphase supply to business from LV network taking less than 45kVA - prepayment	kWh rate 1, 2 kWh rate 2	quarterly 1	Supercustomer
B05	supply to a business from an LV substation, taking less than 45kVA	kWh total	quarterly 1	Supercustomer
B06, B08	supply to a business from an LV substation, taking less than 45kVA	kWh rate 1, 2 kWh rate 2	quarterly 1	Supercustomer

B13 / B14	Single phase or polyphase supply to business property with separately wired circuit from LV network taking less than 45 kVA- credit	kWh rate 1 , kWh rate 2 kWh rate 3	quarterly ,	Supercustomer
M01 M06	supply to a business from the LV network taking less than 100kW	kWh total kWh rate 1 , kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW 24 hour kVAr kVArh total	monthly	within three working days of meter read
M02 M07	supply to a business from an LV substation taking less than 100kW	kWh total kWh rate 1 , kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW 24 hour kVAr kVArh total	monthly	within three working days of meter read
M03 M08	supply to a business from the HV network taking less than 100kW	kWh total kWh rate 1 , kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW 24 hour kVAr kVArh total	monthly	within three working days of meter read
M16 M26	supply to a business from the LV network taking 100kW or more	kWh total kWh rate 1 , kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW 24 hour kVAr kVArh total	half hourly	within three working days
M17 M27	supply to a business from an LV substation, taking 100kW or more	kWh total kWh rate 1 , kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW 24 hour kVAr kVArh total	half hourly	within three working days
M18 M28	supply to a business from the HV network taking 100kW or more	kWh total kWh rate 1 , kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW	half hourly	within three working days

		24 hour kVAr kVArh total		
M19 M29	supply to a business from an HV substation taking 100kW or more	kWh total kWh rate 1 ² kWh rate 2 Peak kW (4-7pm Mon - Fri Nov - Feb) 24 hour kW 24 hour kVAr kVArh total	half hourly	within three working days
EHV site specific	supply taken at 33kV or higher	on application	on application	on application
Business maximum demand with on-site generation connected in parallel	supply taken from LV network, LV substation, HV network or HV substation	on application	on application	on application
U01 U02 U03 U04	supply covered by a certificate for unmetered supply ³	on application	on application	on application

In addition to specific tariff conditions below, an AEO has a requirement to comply with the Demand Control provisions contained within the Use of System Agreement. Areas for which these provisions are currently in force are detailed in Schedule 1, Table 6.

The obligation within the Use of System Agreement is highlighted here for information.

“You shall use reasonable endeavours to ensure that you do not make any changes to the Standard Settlement Configuration (SSC) in force at particular Metering Points which have or may have a materially adverse effect on the discharge of the Company's statutory and/or regulatory obligations to develop and maintain an efficient, secure, safe, co-ordinated and economical system for the distribution of electricity by increasing the coincidence of demand on the Distribution System in a way which is likely to infringe the Capacity Headroom so that it is insufficient to allow for normal variations in demand.”

¹, quarterly may mean less frequently for sites billed by Supercustomer. Further details available on request.

² for tariffs with two or more rates, the timings for each register should match one of the SSC combinations shown in Schedule 1, Table 1. Default tariff codes may be applied, subject to the details given in Table 6, where requests for any other SSC combinations are made.

³ see ‘Unmetered Supplies Procedure’ for details.

SCHEDULE 3 – LOAD MANAGED AREA NOTICE

In accordance with Schedule 11 to the Use of System Agreement, postcodes with the prefixes shown below and sited within the SP Manweb GSP Group area are designated as load managed areas between the times indicated.

SP Manweb has put in place a number of load management initiatives in areas with a high concentration of domestic off peak heating load. Some of these initiatives offered customers alternative off peak hours, while others spread the off peak period over a greater number of hours, using specially installed storage heating elements.

If customers within these areas move to different off peak regimes, problems could arise with network security. This could cause disturbance not only to these customers, but also to other customers within the area. Therefore any supplier wishing to offer an alternative two-rate or multi-rate tariff in any of the designated areas must discuss their requirements with SP Manweb before implementing any such change.

SP Manweb will consider any such request by modelling the likely impact of the change on local networks. If the supplier's tariff is unlikely to cause network problems, approval will be given. A charge may be made to the supplier for any detailed analysis that is required.

Please note that SP Manweb may issue Load Managed Area Warning Notices at any time, if local network problems arise. Such steps will only be taken if they are necessary to ensure security of supply for customers.

This notice is effective immediately and will remain in place until withdrawn or modified in writing. See postcode details on the following page.

<u>AREA</u>	<u>TIME</u>	<u>CAPACITY HEADROOM</u>
CH1 3	21.00-08.00,13.00-16.00 GMT	Zero
CH1 4	21.00-07.30,12.00-16.30	Zero
CW1 3	21.00-08.00,13.00-16.00 GMT	Zero
CW8 4	21.00-08.00,13.00-16.00 GMT	Zero
CW9 5	All times	Zero
L3 4	21.00-08.00,13.00-16.00 GMT	Zero
L15 8	All times	Zero
L17 2	All times	Zero
L17 3	All times	Zero
L19 0	21.00-08.00,13.00-16.00 GMT	Zero
L41 7	All times	Zero
L41 9	All times	Zero
L42 3	All times	Zero
L44 7	All times	Zero
L46 9	All times	Zero
L49 8	All times	Zero
L61 7	All times	Zero
LL13 7	All times	Zero
LL18 5	21.00-07.30,12.00-16.30	Zero
LL22	21.00-07.30,12.00-16.30	Zero
LL35	21.00-07.30,12.00-16.30	Zero
LL36	21.00-07.30,12.00-16.30	Zero
LL37	21.00-07.30,12.00-16.30	Zero
LL38	21.00-07.30,12.00-16.30	Zero
LL39	21.00-07.30,12.00-16.30	Zero
LL40	21.00-07.30,12.00-16.30	Zero
LL42	21.00-07.30,12.00-16.30	Zero
LL43	21.00-07.30,12.00-16.30	Zero
LL44	21.00-07.30,12.00-16.30	Zero
LL52 0	21.00-08.00,13.00-16.00 GMT	Zero
PR8 1	21.00-08.00,13.00-16.00 GMT	Zero
SY10 7	All times	Zero
SY11 4	21.00-08.00,13.00-16.00 GMT	Zero
SY19	21.00-07.30,12.00-16.30	Zero
SY20	21.00-07.30,12.00-16.30	Zero
SY23	21.00-07.30,12.00-16.30	Zero
SY23	21.00-08.00,12.00-16.30	Zero
SY24	21.00-07.30,12.00-16.30	Zero
WA4 1	21.00-08.00,13.00-16.00 GMT	Zero
WA4 2	All times	Zero



SCHEDULE 4 - TRANSACTION CHARGES FOR REVENUE PROTECTION SERVICES

Note: The way in which some ancillary services are provided will depend on site-specific requirements and/or supplier instructions. The charges listed here are for the service provided only (meter costs or other equipment to complete the job are excluded) and therefore should be taken as indicative only. All prices exclude VAT.



SCHEDULE 5 - RADIO TELESWITCHING SERVICES

SP Manweb may provide Radio Teleswitch Services to those who wish to sponsor Group Codes. The charges for these services will be fixed by agreement in each case and will reflect the level of complexity in the proposed arrangements.

SCHEDULE 6 – LOSS ADJUSTMENT FACTORS

Authorised Electricity Operators providing a supply of electricity from any entry point into Manweb's distribution system, including a generator entry point embedded in the system or a supply point from the transmission system, will be required to demonstrate that at all times the amount of electricity entering the system is sufficient to meet the supply in accordance with the following adjustment factors.

Adequate supply can be demonstrated either by membership of the Settlement System, or by provision of metering information on the relevant supply and load(s). The table below indicates the factor by which supplies taken from the Grid Supply Point (GSP) must exceed the take at the exit point from the system, varying according to the time of day, the season, and the voltage of connection.

For premises connected at EHV (i.e. connected at or higher than a voltage of 22,000 volts, or at a substation with a primary voltage of 66,000 volts or above), special assessment will determine the loss adjustment factors that are relevant to that particular exit point. In some circumstances, special low loss equipment (such as transformers) may be available and can be included in the connection. Loads with a power factor of less than 0.95 may also require special assessment.

For the purposes of converting metered kWh to a GSP equivalent, the following multipliers are to be used: -

	LV Network Domestic	LV Network Business	LV at Substation	HV Network	HV at Substation
Night	1.055	1.055	1.036	1.022	1.013
Day	1.072	1.072	1.046	1.029	1.017

Definition: *Night* 23:30-06:30 (All year)
Day 06:30-23:30 (All year)

All times quoted are GMT.

The following distribution loss multipliers will normally apply to the generator output provided by embedded generators.

132kV	132kV/33kV	33kV	33kV/11kV	11kV	11kV/LV	LV
1.000	1.005	1.005	1.011	1.011	1.031	1.031