

### Introduction

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## **BSUoS Charging**

- The Transmission Licence allows The Company to derive revenue in respect of the Balancing Services activity through the Balancing Services Use of System (BSUoS) charges.
- The Balancing Services Activity is defined in the Transmission Licence as the activity undertaken by The Company as part of the Transmission Business including the operation of the transmission system and the procuring and using of Balancing Services for the purpose of balancing the transmission system.

## **Balancing Services Use of System Charges**

- Recover costs incurred as opposed to fix allowance
- Recover the cost of 'balancing the system' and the system operator function
- Paid by users of the transmission system
- Lead party of BMU is actually billed
- Calculated and settled in accordance with the Statement of Balancing Use of System Charging Methodology

### Who pays BSUoS?

BSUoS charges are paid by:

## Generators

## Suppliers

### Note:

- Interconnectors have been exempt since 28 August 2012
- Mostly the same customers pay TNUoS

### What makes up BSUoS?

# BSUoS charges comprise the following costs, services and special provisions

- I. The Total Costs of the Balancing Mechanism
- II. Total Balancing Services Contract costs
- III. Payments/Receipts from National Grid incentive schemes
- IV. Internal costs of operating the System
- V. Costs associated with contracting for and developing Balancing
- VI. Costs invoiced to The Company associated with Manifest Errors and
- VII. BETTA implementation costs

## **BSUoS** Calculation and Billing

- Charges apportioned on a half hourly £/MWh basis
- Applied proportionally according to your portfolio share
- Charged half hourly
- Billed Daily
- Two stage Financial Settlement (SF & RF)

Run Type	Definition	When you will be billed	
II	Interim Initial	Settlement Day + 5 working days (no invoice sent)	
SF	Settlement Final	Daily, Settlement Day + 16 working days	
RF	Reconciliation Final	Daily, Settlement Day + 14 months	

### **Settlement Final and Reconciliation Final**

### **Settlement Final (SF)**

The Company will calculate initial settlement (SF) BSUoS charges in accordance with the methodology set out in Chapter 9 using the latest available data, including data from the Initial Settlement Run and the Initial Volume Allocation Run.

### **Reconciliation Final (RF)**

Final Reconciliation will result in the calculation of a reconciled charge for each settlement day in the scheme year. The Company will calculate Final Reconciliation (RF) BSUoS charges (with the inclusion of interest as defined in the CUSC) in accordance with the methodology set out in Chapter 9 using the latest available data, including data from the Final Reconciliation Settlement Run and the Final Reconciliation Volume Allocation Run.

## What comprises your BSUoS charge

Your BSUoS charge recovers the costs incurred by National Grid, acting as the System Operator, in executing our obligation to balance the Electricity Transmission System on behalf of the industry

#### There are two main components of BSUoS, external and internal:

**External** – the monies National Grid pays providers for delivering balancing services

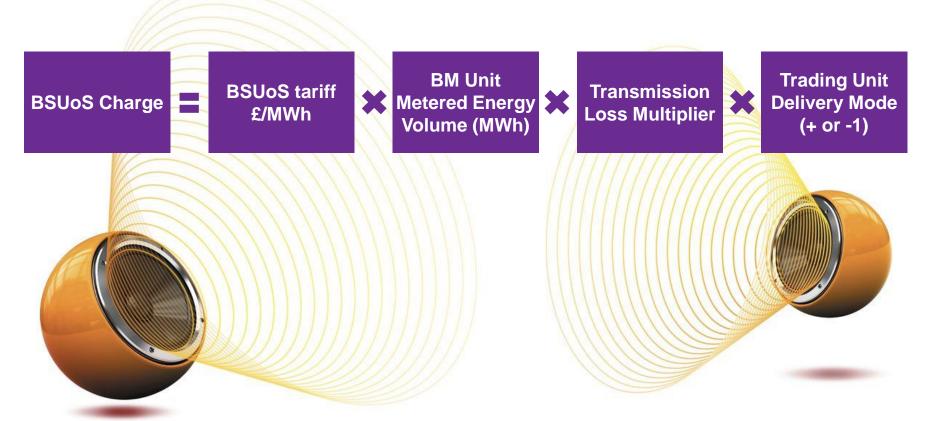
**Internal** – the business costs of providing this function (e.g. staff, buildings, systems etc.)

#### Note:

Both External and Internal Costs have an Incentive Scheme Adjustment applied to them to incentivise National Grid to balance the system economically and efficiently

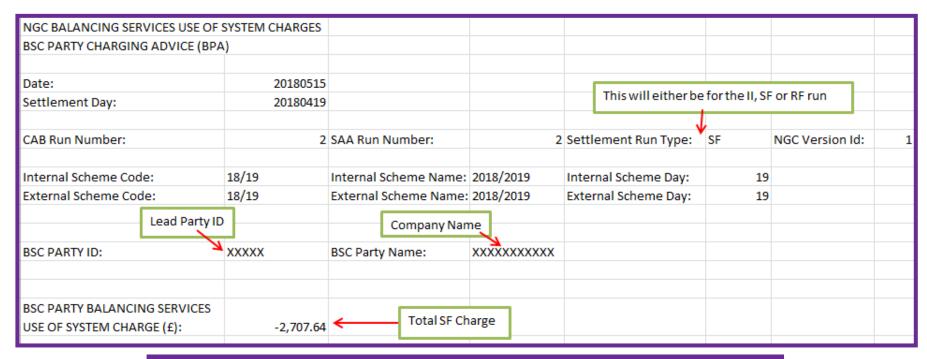
All generators and suppliers are subject to a BSUoS charge

## How to calculate your BSUoS Charge



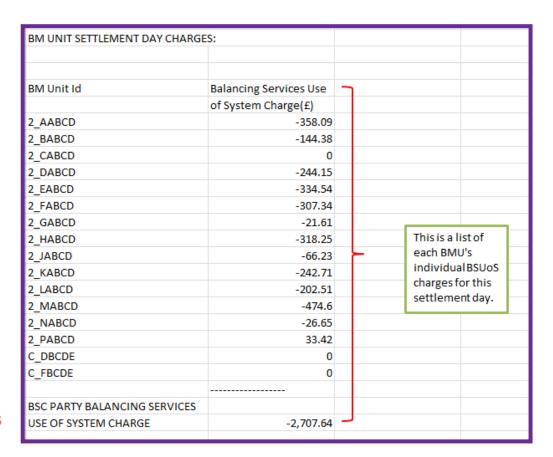


## **BPA** report backing data (1/4)



Backing data is available to download in four different formats pdf, .dat, .prt and .csv which is shown above

## **BPA** report backing data (2/4)

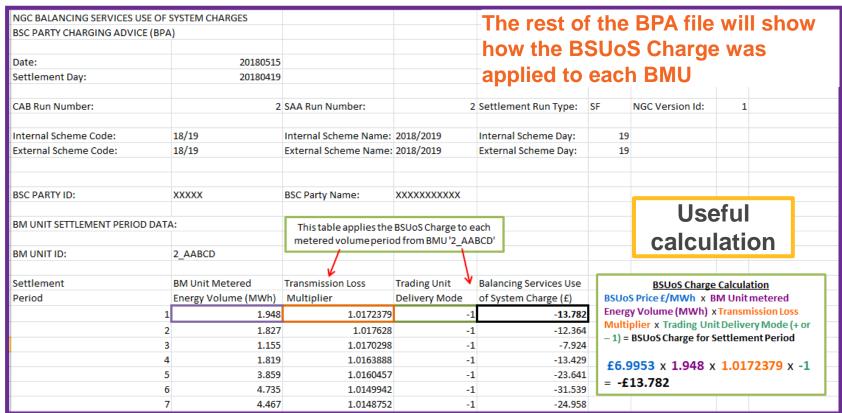


# Breakdown of BSUoS charge per BMU

This section of the BPA file will show a list of every BMU owned by the BSC Party ID/ Lead Party ID, including directly connected & embedded BMU's as well as the supplier BMU's shown to the left.



## **BPA** report backing data (3/4)



## **BPA** report backing data (4/4)

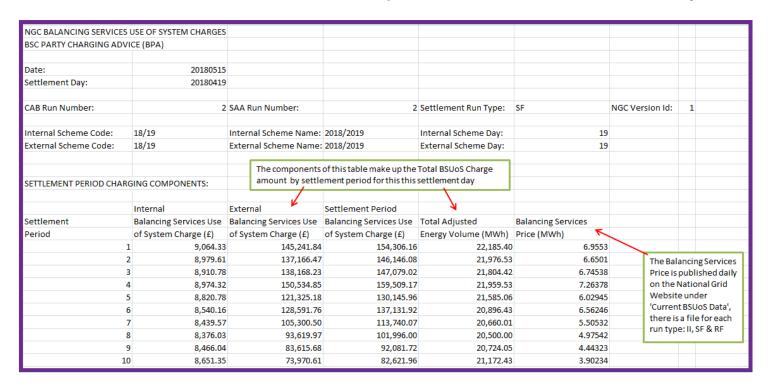
BM UNIT SETTLEMENT PERIOD DATA:					
BM UNIT ID:	2_PABCD				
Settlement	BM Unit Metered	Transmission Loss	Trading Unit	Balancing Services Use	
Period	Energy Volume (MWh)	Multiplier	Delivery Mode	of System Charge (£) -	
1	0.879	0.9677364	1	5.916	
2	0.934	0.967474	1	6.009	
3	0.927	0.9677468	1	6.051	
4	0.969	0.9682556	1	6.815	
5	0.986	0.968559	1	5.758	
6	0.869	0.9690831	1	5.526	
7	0.896	0.9692148	1	4.781	
8	0.939	0.9693277	1	4.529	
9	0.909	0.9696446	1	3.916	
10	0.949	0.9702299	1	3.593	
11	0.873	0.9708463	1	3.904	
12	0.941	0.9712337	1	3.871	
13	0.766	0.971835	1	2.821	
14	0.678	0.9890128	-1	-1.438	
15	0.64	0.9886449	-1	-0.553	
16	0.728	0.9885363	-1	-0.683	

## **Example: Charge to credit**

This is a good example of how the BM unit metered volume stays more or less the same, but the charges flip to a credit due to the trading unit delivery mode changing at the Settlement Period 14.

## What makes up the BSUoS Charge

The following section gives the pricing information for how the BSUoS Charge is calculated, more detail for these components can be found in the daily BCR files



**BCR** report



