

## Amendment Proposal Form

Those wishing to propose an Amendment to the CUSC should do so by filling in this “Amendment Proposal Form” that is based on the provisions contained in Section 8.15 of the CUSC. The form seeks to ascertain details about the Amendment Proposal so that the CUSC Panel can determine more clearly whether the proposal should be considered by a Working Group or go straight to wider National Grid Consultation.

The Panel Secretary will check that the form has been completed, in accordance with the requirements of the CUSC, prior to submitting it to the Panel. If the Panel Secretary accepts the Amendment Proposal form as complete, then he will write back to the Proposer informing him of the reference number for the Amendment Proposal and the date on which the Proposal will be considered by the Panel. If, in the opinion of the Panel Secretary, the form fails to provide the information required in the CUSC, then he may reject the Proposal. The Panel Secretary will inform the Proposer of the rejection and report the matter to the Panel at their next meeting. The Panel can reverse the Panel Secretary’s decision and if this happens the Proposer will be informed by the Panel Secretary.

The completed form should be returned to:

Mark Cox  
Panel Secretary  
Commercial Development  
National Grid Company plc  
National Grid House  
Kirby Corner Road  
Coventry, CV4 8JY

Or via e-mail to:

[CUSC.Team@uk.ngrid.com](mailto:CUSC.Team@uk.ngrid.com)

(Participants submitting this form by email will need to send a statement to the effect that the proposer acknowledges that on acceptance of the proposal for consideration by the Amendments Panel, a proposer which is not a CUSC Party shall grant a licence in accordance with Paragraph 8.15.7 of the CUSC. A Proposer which is a CUSC Party shall be deemed to have granted this Licence.)

**Proposers Name:**

(Name of party making the proposal. An Amendment Proposal may be made by a CUSC Party, a BSC Party or by “energywatch”)

First Hydro Company

**Proposers Representative:**

(The name of the person representing the Proposer (and his alternate) for the purposes of the Amendment Process)

Simon Lord (Alternate - Libby Glazebrook)

**Organisations Name and Address:**

(Organisation on whose behalf the Amendment is proposed)

First Hydro Company  
Bala House  
St Davids Park  
Deeside  
Flintshire  
CH5 3XJ

**Capacity in which the Organisation Proposes to make an Amendment:**

(i.e. CUSC Party, BSC Party or “energywatch”)

CUSC Party

**Description of the issue or defect which the proposed Amendment seeks to address:**

(This should be in reasonable, but not excessive detail)

Neither the current mechanism nor that proposed in CAP001 accurately reflect imbalance volume that occurs as a result of the provision of mandatory frequency response.

For certain types of plant the output of the plant continues to increase after the 10s cut off in the Primary and High frequency response tables. It is these table that this proposal seeks to modify by cutting the link between the Primary and High frequency response tables and the payment volume. A new set of tables would be produced that would more accurately reflect the energy produced when providing mandatory frequency response.

## **Description of the proposed Amendment and of its nature and purpose:**

(This should be in reasonable but not excessive detail)

Two methods could be used to determine the volume:-

1) The characteristic curve of the BMU could be used that tracks output with changing frequency.

2) An approximation for 1) could be used that produces for each BMU a new pair of tables (for each mode of operation) based on the format of the High Frequency Response table. These tables (High Frequency Volume and Low Frequency Volume) would initially contain the same data as the current Primary and High Frequency Response tables.

The tables would then be re-populated with data based on the stable output that is achieved by the BM unit following a change in frequency. The effect of this would be to move the 10 second cut off for Primary and High Frequency Response to a different time, based on the time to achieve stable output.

It is suggested that method 2) could be used as a step towards the ideal solution detailed in 1).

## **An indication of those parts of the CUSC which would require amendment in order to give effect to (or would otherwise be affected by) the proposed amendment and an indication of the nature of those amendments or effects.**

(This should be given where possible)

Section 4.1.3 – calculation of volumes formulae. Amendment required to reflect revised tables that will be used for calculating the volumes for delivery of energy as outlined above.

Modification of the CUSC Mandatory Services agreement to reflect the inclusion of High Frequency Volume and Low Frequency Volume tables.

## **Reasons why the Proposer believes that the proposed Amendment would better facilitate achievement of the Applicable CUSC Objectives as compared with the current version of the CUSC with background information in support thereof.**

The Transmission Licence obligates National Grid to purchase ancillary services from the most economical sources available to it having regard to the quantity and nature of the ancillary services.

This proposed amendment would better facilitate the efficient discharge of this licence obligation by aligning more accurately payments made with costs incurred, as the volume would now be more accurately calculated.

This in turn will ensure that the most economic sources of mandatory frequency response continue to make their full capability available for despatch by National Grid.

**An indication of the impact of the proposed Amendment on Core Industry Documents.**

(This should be given where possible)

No impact on BSC, Grid Code or any other core industry document is foreseen.

**An indication of the impact of the proposed Amendment on relevant computer systems and processes used by CUSC Parties.**

(This should be given where possible)

The proposed amendment will require modification to the payment calculation system (GENRES) used by National Grid to calculate the Frequency Response payments.

**A statement to the effect that the Proposer acknowledges that on acceptance of the proposal for consideration by the Amendments Panel a Proposer shall grant a Licence in accordance with Clause 8.15.7 of the CUSC.**

(A signature to this effect must be given by a proposer which is not a CUSC Party)