### Part 4e

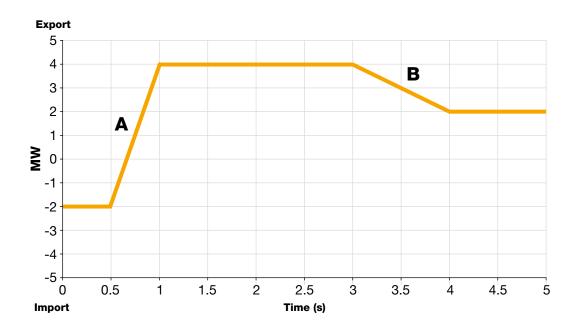
## **Power Park Module data:**

# **Electricity Storage plant data**

(please complete a separate sheet for each different Generating Unit)

Name(s) / identifiers of Generating Unit(s)	
Description of Dynamic Requirements (Active Power)	
mport: power ramp rate (positive)	N St
mport: power ramp rate (negative)	N Se
Export: power ramp rate (positive)	M Sc
Export: power ramp rate (negative)	N St
f the power swing will transition from import to export magnitude of the power swing:	or vice-versa please state the total
For the intended control mode or to meet a specific co known technical or operational requirements? For examon o operate at a Power Factor other than that which migneasured at the Connection Point?	ommercial service, are there any mple the scheme may be required
Yes No	
f yes please provide further details below	

# **Example of Ramp Rate / Total Power Swing**



#### A - Example of ramp which transitions from import to export

Ramp rate (Positive) = (2+4) MW / 0.5 sec = 12 MW per sec

Total power swing = (2+4) MW = 6 MW

#### **B** - Example of ramp during export

Ramp rate (Negative) = (4-2) MW / 1 sec = 2 MW per sec

Total power swing = (4-2) MW = 2 MW

**Generating Unit Voltage Control** 

(to be agreed with the DNO)			
If operating in Power Factor control mode, preferred Power Factor			
If operating in voltage control mode, voltage set point		V	
If operating in reactive power control mode, reactive power set point		MVAr	
Generating Unit Performance Chart attached If yes, please insert the file name of the attachment here	Yes	No	
HV Connected Type A, Type B, Type C and Type Generating Module frequency and excitation  Governor and prime mover model attached (see Note 9)  If yes, please insert the file name of the attachment here	Yes	No	
If yes, please insert the file name of the attachment here	Yes	No	
Total effective inertia constant		MWsec/	
AVR / excitation model attached If yes, please insert the file name of the attachment here	Yes	No	

# Commercial Service (applicable to Electricity Storage Plant for each commercial service / mode of operation)

Name of the commercial service being provided and name of the being provided to (eg National Grid)	company the	service is
If the commercial service is being provided via a third party, the coparty service operator (eg an aggregator)	ontact details f	or the third
Is this a service which involves co-ordinated response with other Electricity Storage plant either on the Distribution Network, Transmission System, Private Network or aggregator?	Yes	No
If yes please provide further details below		