Service Developments

Rebecca Yang
Primary Frequency Response

5 month Month Primary Requirement

MW

Month

- Overnight Primary Dynamic Response - Contracted
- Overnight Primary Static Response - Contracted
- Daytime Primary Dynamic Response - Contracted
- Daytime Primary Static Response - Contracted
- Primary Requirement - Daytime
- Primary Requirement - Overnight
- Minimum Dynamic Requirement - Primary
Secondary Frequency Response
High Frequency Response

5 Month High Requirement

MW

Month

- Overnight High Dynamic Response - Contracted
- Overnight High Static Response - Contracted
- Daytime High Dynamic Response - Contracted
- Daytime High Static Response - Contracted
- High Requirement - Daytime
- High Requirement - Overnight
- Minimum Dynamic Requirement
Fast Reserve

Increased requirement for certain periods of the day only
Accepted De-rated MW and Accepted Marginal Availability Price

Season

Accepted BM Committed MW
Accepted NBM Committed MW
Accepted NBM Flexible MW
Marginal Availability price accepted £/MW/hr

MW
£/MW/hr

9.5 9.6 10.1 10.2 10.3 10.4 10.5 10.6
Service Developments
Enhanced Frequency Response

- NGET has identified the need for enhanced frequency response
  - Start delivery in 500ms, full delivery in 1s

- Invitation for Expressions of Interest from industry in tendering for this service
  - Batteries suitable and other technologies are also welcome

- Tender exercise in Q4 for tranches of 1-50MW
- Contract term will be 4 years to start in 2017
Enhanced Frequency Response

- We welcome your comments and proposals
- Deadline for submissions is 23rd October
  [http://www2.nationalgrid.com/Enhanced-Frequency-Response](http://www2.nationalgrid.com/Enhanced-Frequency-Response)
- Year of second by second frequency data available to support analysis
- Contact adam.sims@nationalgrid.com
Annual STOR Service Review

- Outline Change Proposal published on 2\textsuperscript{nd} October

- Key changes proposed:
  - Reduction in minimum volume to 1MW
  - Suspension amendment for STOR contracts
  - Publishing of MW data from tender submission
  - Amendments to STOR windows

- Welcome your response on the proposal. Deadline for submission - 30\textsuperscript{th} October 2015

- Contact: Nicholas Blair 01926 656797
  commercial.operation@nationalgrid.com
Demand Turn Up Service Development

- A Demand Turn Up service is under development to deal with changing in demand profile

- Initial service requirement for 2016 & 2017
  - May & September: 200 – 375MW
  - June, July & August: 500 – 1000MW
Demand Turn Up Service – Next Steps

Publish Information Pack:
- Indicative pricing structure
- Firm volume requirement
- Service windows

End of October

Service Design Finalised
End of November

Full detailed service design available for comments
Mid-December

Contracts in Place
March

Service Commence
1st May

Contact Nicholas Blair 01926 656797  nicholas.blair@nationalgrid.com