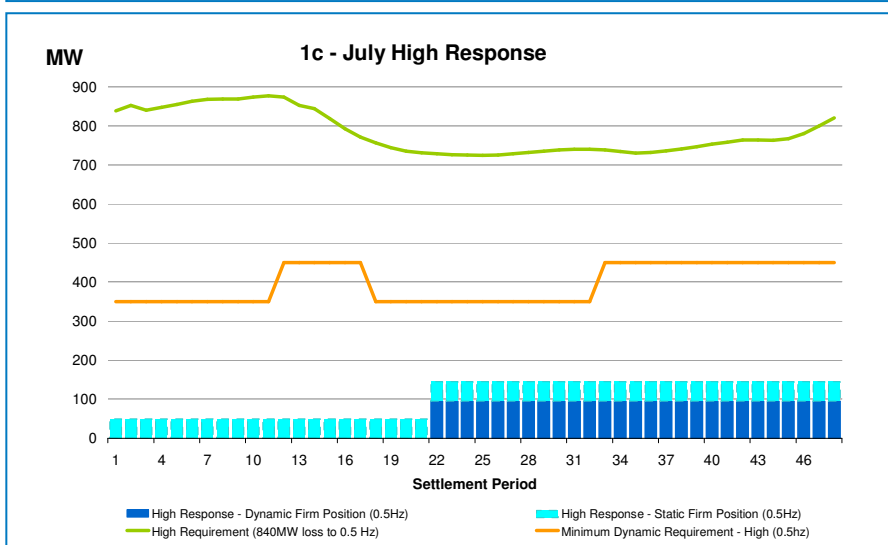
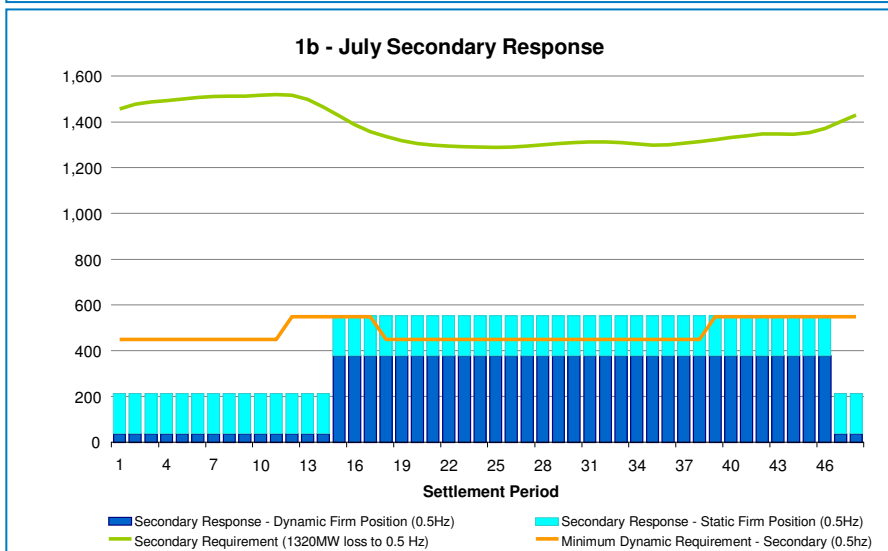
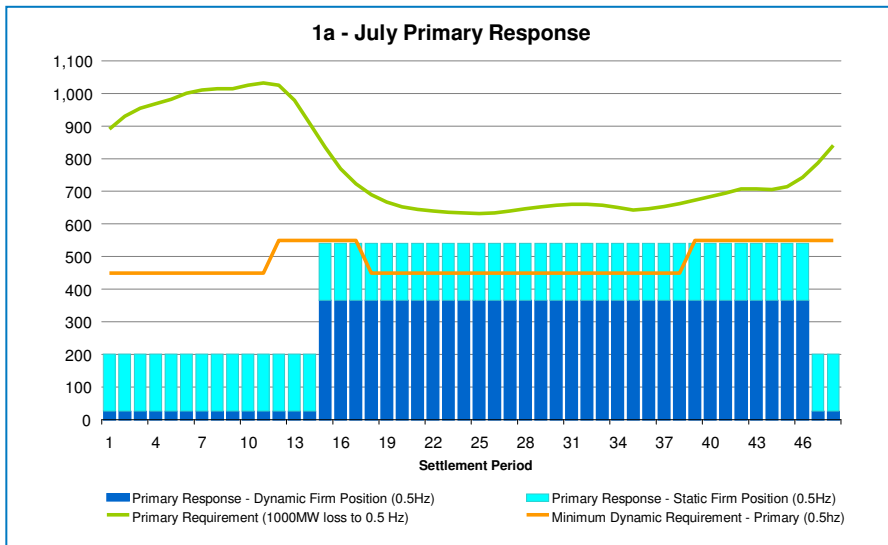


Frequency Response Requirement

July 2012



Figures 1a to 1c show the forecast frequency response requirement for each settlement period in July 2012.

The expected response requirements shown in the following graphs are averaged for each day of the month. The requirements are estimated based on forecast demand for individual settlement periods.

It should be noted that the volume of frequency response required at weekends is slightly higher than during the week because of the lower demands experienced at weekends.

The green lines show the total response required to recover from a maximum frequency deviation of 0.5Hz. The primary response requirements are set for a 1000MW loss, secondary response for a 1320MW loss and high response for an 840MW demand loss.

The orange lines show the minimum dynamic response required at 0.5Hz deviation.

The bars in the graphs show the total contracted response which is expected to be available during the periods shown on the graph. The deep blue bars indicate the firm dynamic response and light blue bars represent firm static response.

Providers should note that dynamic response over the minimum dynamic level also contributes to meeting the total response requirement.