Load Following Monitoring Report for February 2014

Overview

This report gives the analysis of Load Following Ancillary Service (LFAS) Usage and Source monitoring for the month February 2014

This report should be read in conjunction with the report

"Load Following Ancillary Service Monitoring Specification"

Excluded Sampling

Frequency Excursions

There was one frequency events during the month

Missing Forecasts

There were no missing forecasts during the month

Suspect Load Forecasts

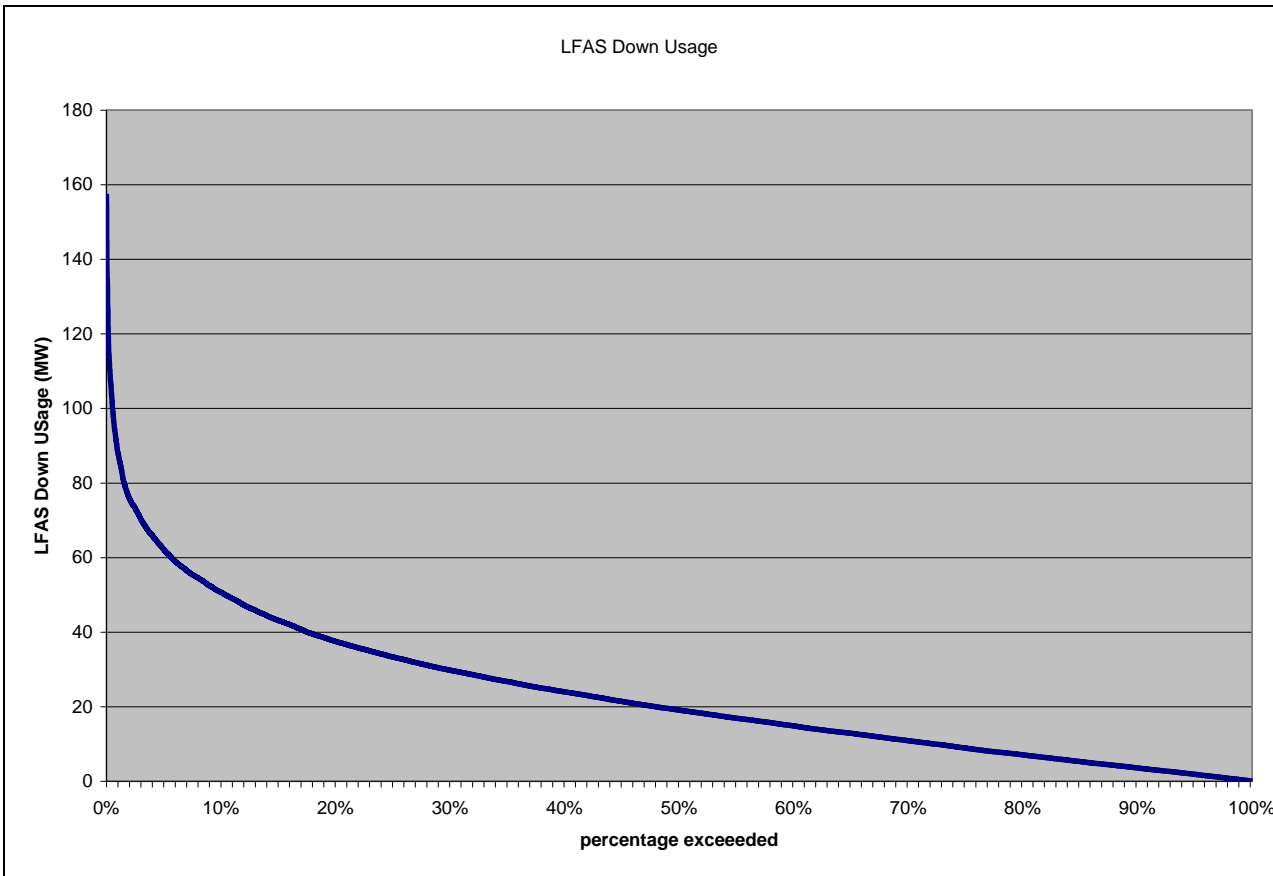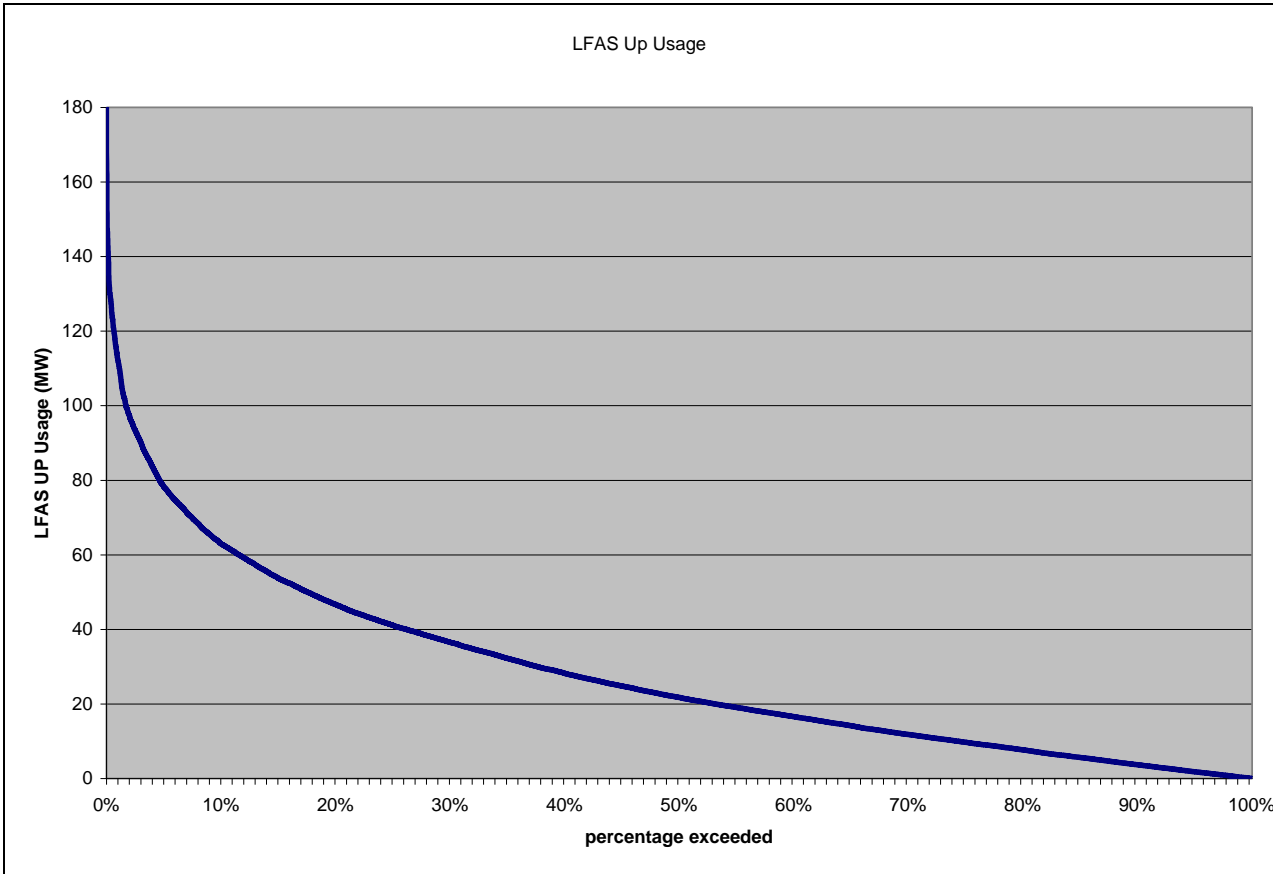There were no suspect Load Forecasts during the month

Comments

During the month Muja 1 was commissioning, generally this raises the need for LFAS.

LFAS Usage Data

The LFAS Usage statistics for the month are

	Frequency and Missing Forecast excluded	Frequency, Missing Forecast and Suspect Load Forecast excluded
Count	40290	40290
Average	3	3
Percentiles		
0.05%	-128	-128
0.50%	-88	-88
1%	-75	-75
2%	-65	-65
3%	-58	-58
4%	-54	-54
5%	-50	-50
10%	-37	-37
50%	1	1
90%	47	47
95%	64	64
96%	69	69
97%	75	75
98%	84	84
99%	98	98
99.5%	113	113
99.95%	145	145

The LFAS Usage Duration Curves are shown overleaf

LFAS Up Usage

LFAS Down Usage

LFAS Sources

The LFAS Source statistics for the month are

	Load Forecast Variation	Non Scheduled Generation Forecast Variation	Scheduled Generation from Dispatch Instruction	Scheduled Generation Ramp Rate from Preferred
Count	40290	40290	40290	40290
Average	-10	0	8	0
Percentiles				
0.05%	-88	-83	-55	-74
0.50%	-70	-38	-44	-52
1%	-63	-30	-38	-44
2%	-56	-24	-13	-36
3%	-52	-20	-9	-31
4%	-48	-18	-5	-27
5%	-46	-16	-4	-24
10%	-37	-11	0	-15
50%	-10	0	6	0
90%	18	11	17	15
95%	27	15	28	24
96%	30	17	41	27
97%	34	18	43	31
98%	39	21	45	37
99%	47	26	49	47
99.50%	55	32	60	56
99.95%	75	56	93	89
99%-1% range	110	56	88	91