



## **UIG Task Force**

### **9: DM Nomination Accuracy**

# Summary of Findings

<b>Area &amp; Ref #</b>	DM Nomination accuracy (REF#9)
<b>UIG Hypothesis</b>	If DM Energy Nominations are inaccurate or are inconsistent this will contribute to forecast UIG levels and volatility during the Nomination period.
<b>Data Tree References</b>	UIG Nomination > Class 1 and 2 Forecasted Energy and Child objects.

<b>Findings Status</b>	<b>Closed</b>
<b>UIG Impact Peak Volatility %</b>	<b>Negligible</b>
<b>UIG Impact Annual Average %</b>	<b>Negligible</b>
<b>Confidence in Percentages</b>	<b>H</b>

<b>Findings</b>	<b>Approach to analysis</b>
<p>DM Nominations are generally accurate and have reached 99% accuracy by the 2<sup>nd</sup> nomination run at 13:00 on D-1 on average. The first Nomination is also very accurate following Nexus Go-Live. Final Nominations were 101% of D+5 allocation on average, with a daily variance of +- 2.6%. There is moderate day on day variability in some of the nomination runs. The runs between D-1 11:00 -D-1 16:00 and D13:00 – D16:00 can show variance of 10 – 15% introducing the most uncertainty to nomination UIG. Based on historic accuracy, the D 10:00, D 21:00 and D+1 00:00 show the lowest daily levels of nomination accuracy variability at 2 – 4 % variance.</p> <p>Shipper performance is fairly consistent and shippers with the largest DM energy share generally input the most accurate measurements so the risk to nomination UIG variability is minimal.</p> <p>The analysis does not indicate a relationship between DM Nomination accuracy and UIG.</p>	<p>Obtain complete DM nomination history from Gemini for the period 01/10/2016 – 30/09/2018. Create a nomination accuracy report detailing the prevailing nominated input energy at each nomination run compared with the D+5 allocation, and the percentage accuracy for each nomination window.</p> <p>Compare the nominated accuracy with UIG to see if there is a relationship.</p>

# Supporting Evidence (1/1)

Year	Month	D-1 11:00 Accuracy	D-1 13:00 Accuracy	D-1 16:00 Accuracy	D 00:00 Accuracy	D 10:00 Accuracy	D 13:00 Accuracy	D 16:00 Accuracy	D 21:00 Accuracy	D+1 00:00 Accuracy
2016	Oct	79%	93%	96%	100%	100%	100%	100%	100%	100%
2016	Nov	78%	93%	96%	99%	98%	99%	100%	100%	100%
2016	Dec	81%	94%	96%	100%	101%	101%	101%	101%	101%
2017	Jan	81%	95%	98%	99%	99%	100%	100%	100%	100%
2017	Feb	77%	98%	100%	103%	102%	102%	102%	102%	102%
2017	Mar	83%	95%	99%	103%	103%	103%	103%	103%	102%
2017	Apr	78%	95%	99%	102%	102%	103%	102%	102%	102%
2017	May	88%	98%	101%	104%	103%	103%	103%	102%	102%
2017	Jun	107%	107%	100%	104%	104%	104%	105%	105%	104%
2017	Jul	102%	113%	105%	100%	100%	113%	114%	102%	102%
2017	Aug	99%	99%	96%	99%	99%	100%	100%	100%	101%
2017	Sep	99%	100%	98%	100%	100%	100%	100%	100%	100%
2017	Oct	98%	99%	95%	98%	98%	99%	100%	100%	100%
2017	Nov	98%	99%	96%	99%	99%	99%	100%	100%	100%
2017	Dec	102%	102%	95%	101%	101%	101%	102%	102%	102%
2018	Jan	97%	99%	95%	99%	99%	100%	101%	101%	101%
2018	Feb	99%	100%	94%	99%	99%	100%	100%	100%	101%
2018	Mar	102%	102%	98%	102%	102%	102%	103%	103%	102%
2018	Apr	103%	104%	100%	103%	103%	103%	103%	103%	103%
2018	May	101%	101%	98%	101%	101%	101%	101%	101%	101%
2018	Jun	100%	100%	94%	101%	101%	101%	101%	101%	101%
2018	Jul	101%	101%	95%	102%	102%	102%	102%	102%	102%
2018	Aug	99%	100%	96%	99%	99%	99%	99%	100%	100%
2018	Sep	102%	102%	99%	101%	101%	101%	102%	102%	102%
<b>Total</b>		<b>93%</b>	<b>99%</b>	<b>97%</b>	<b>101%</b>	<b>101%</b>	<b>101%</b>	<b>102%</b>	<b>101%</b>	<b>101%</b>

Aggregate Monthly Nomination accuracy shows that the DM nomination inputs are generally very accurate.

Note the improved performance for the early nomination starting in June 2017, coinciding with UK-Link go-live.

The overstated energy average for thee periods in July 2017 is the result of significantly overstated nominations for three nomination runs across 2 days.