

Forecasted Contracted Capacity Workshop

11 February 2021

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Agenda

- Timetable to follow
- Reflections from initial discussion areas of focus
- Initial proposal for review
 - Suggested constituent components into FCC
 - High level Exit review



Discussions and reflections from previous session

High level overview of what was discussed on 4th February:

- Debate on flows and utilisation and their likely use over previous inputs. Reflecting on the values closest to actuals based on the 2020 FCC there is no consistent pattern to identify. Overbooking is common across all sectors to varying degrees.
- Using the 'Max of' rule across all the inputs in the current methodology should be replaced with something more appropriate for 2021 onwards
- Profiling or monthly phasing does not impact the Annual FCC it does have its place in the application to consider revenue recovery across the year however does not need to be considered upfront for the Annual FCC value
- Use of sector specific rules seem appropriate over a single Entry and / or Exit rule for FCC.
- Challenging to consider how to assess a summer under the new regime when the first summer period under it won't have completed by the time the FCC is set for October 2021.

High Level Overview of proposal for comment for Exit

Approach is based on flows and capacity utilisation as key inputs

- Consider flow over previous 5 gas years by site type to calculate average flows
- Demand by site type correction factor to be added to average flows
- Take into account the utilisation between Oct Jan for gas year 20/21 correction factor to be added to reflect flows to bookings
- Exceptions can then be considered if numbers or any steps above yield anomalous values

• Summary data for the above to be presented at the workshop on 11th February







DC – Power Stations, DC – Industrials, Interconnectors, Storage Sites

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- In order to account for any known future variations, 2 other values are collected for each Exit Point and an assessment is made of which of the three values is used to set the Revised Forecast Capacity Value for each Point.
 - Sold Capacity per Exit Point for Gas Year Y.
 - PARCAs that have progressed to Stage 2 for the relevant gas year (Y).

DC - Power Stations, DC - Industrials, Interconnectors, Storage Sites

- One of the key drivers behind the setting of the Revised Forecast Capacity value is historic flows.
- An assessment is undertaken for each exit point of the metric being used for each point to set that sites Revised Forecast Capacity Value:
 - Where an Exit Points Revised Capacity Value is set based on Historic Flows, and National Grid has intelligence that indicates that that Exit Point will be a zero flow site (not be flowing for Gas Year Y), then the Revised Capacity Value

GDNs is replaced with 0.

- If a site with a forecast zero flow has its Revised Capacity Value set from Future Sold Capacity / PARCA then this is assessed further.
- FCC for these Exit Points set based on each Exit Points Revised Forecast Capacity value minus any Zero Forecast Adjustments.



FCC

DC – Power Stations, DC – Industrials, Interconnectors, Storage Sites



• As per the existing FCC Methodology, an option for GDN Exit Points is to use the GDN Capacity Bookings from the current year (Y-1) to set the forecast capacity values for these Exit Points.

GDNs



DC – Power Stations, DC – Industrials, Interconnectors, Storage Sites

• GDN Bookings are based on Y-1.

- Consistent with the approach for other Exit Points, in order to account for any known future variations, 2 other values are collected, and an assessment is made of which of the three values is used to set the FCC for each GDN Exit Point.
 - Sold capacity per Exit Point for Gas Year Y.
 - PARCAs that have progressed to Stage 2 for the relevant gas year (Y).

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<u>GDNs</u>







DC – Power Stations, DC – Industrials, Interconnectors, Storage Sites



Exit Point Type kWh/d October 2021	1) Historic Flows	2) Normalisation Factor	3) Utilisation Factor	4) GDN Bookings	5) Future Sold	6) PARCA	MAX	7) Zero Forecast Flow	Draft FCC October 2021
DC - POWER STATION	580,686,932	625,784,558	764,527,230		547,289,241	129,086,309	1,042,190,096	-40,068,065	1,002,122,031
DC - INDUSTRIAL	108,879,099	110,341,617	147,162,438		103,894,711	0	165,033,904	0	165,033,904
GDN				4,134,257,584	4,085,703,994	78,361,242	4,156,889,131	0	4,156,889,131
INTERCONNECTOR	256,706,727	270,288,150	305,521,202		15,012,000	0	305,521,202	0	305,521,202
STORAGE SITE	116,068,480	116,068,480	125,220,989		142,488,582	0	230,257,653	0	230,257,653

1,122,482,804 1,342,431,859 4,134,257,584 5,859,823,921 TOTAL 1,062,341,238 4,894,388,528 207,447,551 5,899,891,986 -40,068,065 5. Future Sold 4. GDN

This example is based on taking the maximum of Flow/GDN Bookings, Future Sold and PARCA data. ٠





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