

# Assessment of Spare Capacity on the Network Utilisation of Obligated Capacity



UNC Mod 0621 Analysis  
18/04/2018

## Obligated Capacity Utilisation: Background

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- Analysis List #11
- Conduct analysis to assess the level of spare capacity on the NTS and identify any constrained areas on the network
- This analysis looks at the history of capacity bookings and utilisation to review the relationship between obligated, capacity bookings and flows across the Entry and Exit points on the network
- This therefore identifies the potential points where bookings have historically been close to obligated.
- This analysis looks at the utilisation of the Obligated Capacity baselines against firm bookings and flows for all Entry and Exit points during the 2016/17\* gas year

## Obligated Capacity Utilisation: Conclusions

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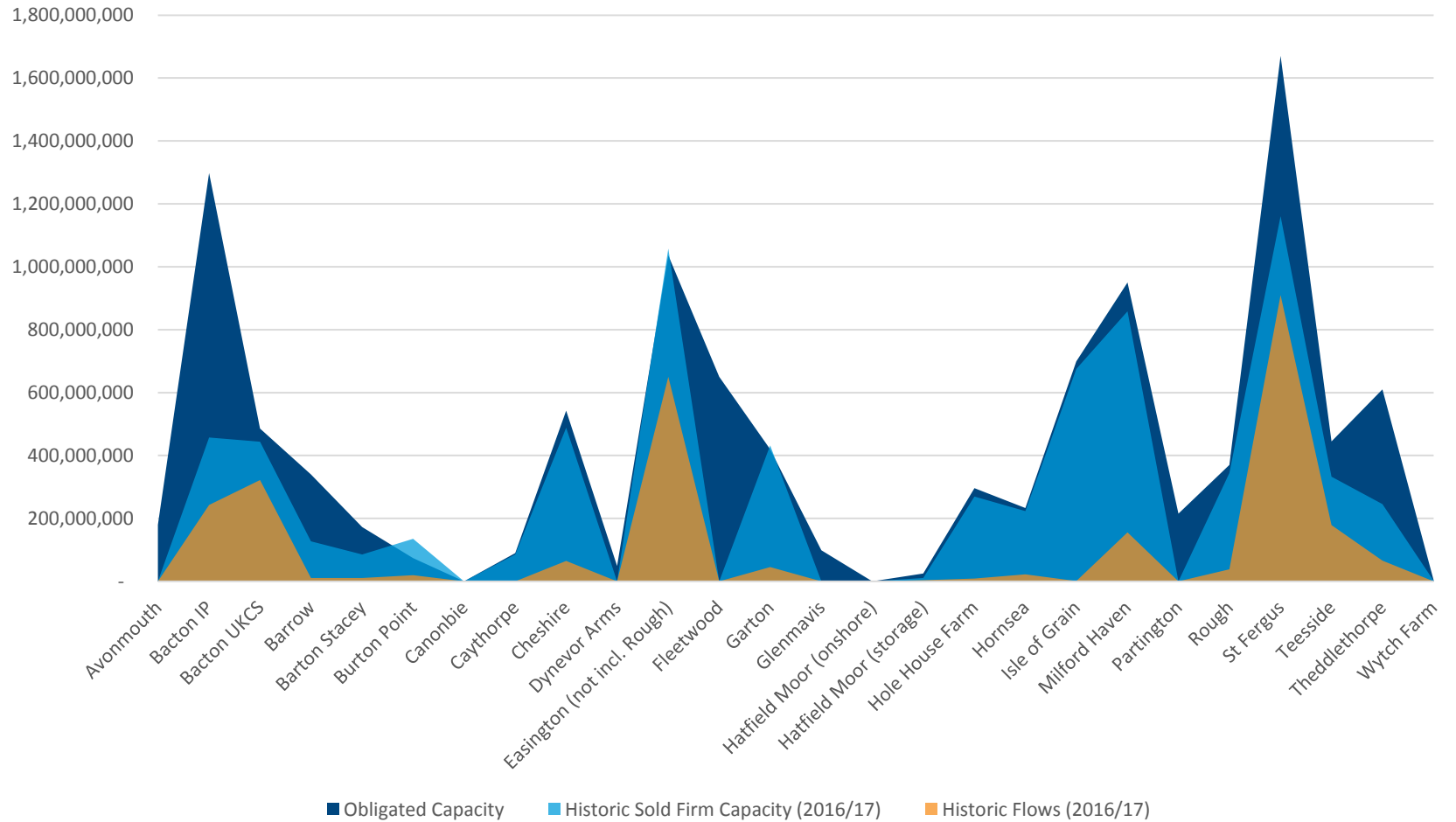
- Except where there is no obligated level, bookings are generally lower than obligated, and flows lower still.
- Based on this data, and the expectation that capacity bookings will be at these levels or lower from 2019, we do not believe it required to consider constraints at this time.

## Obligated Capacity Utilisation: Analysis Assumptions

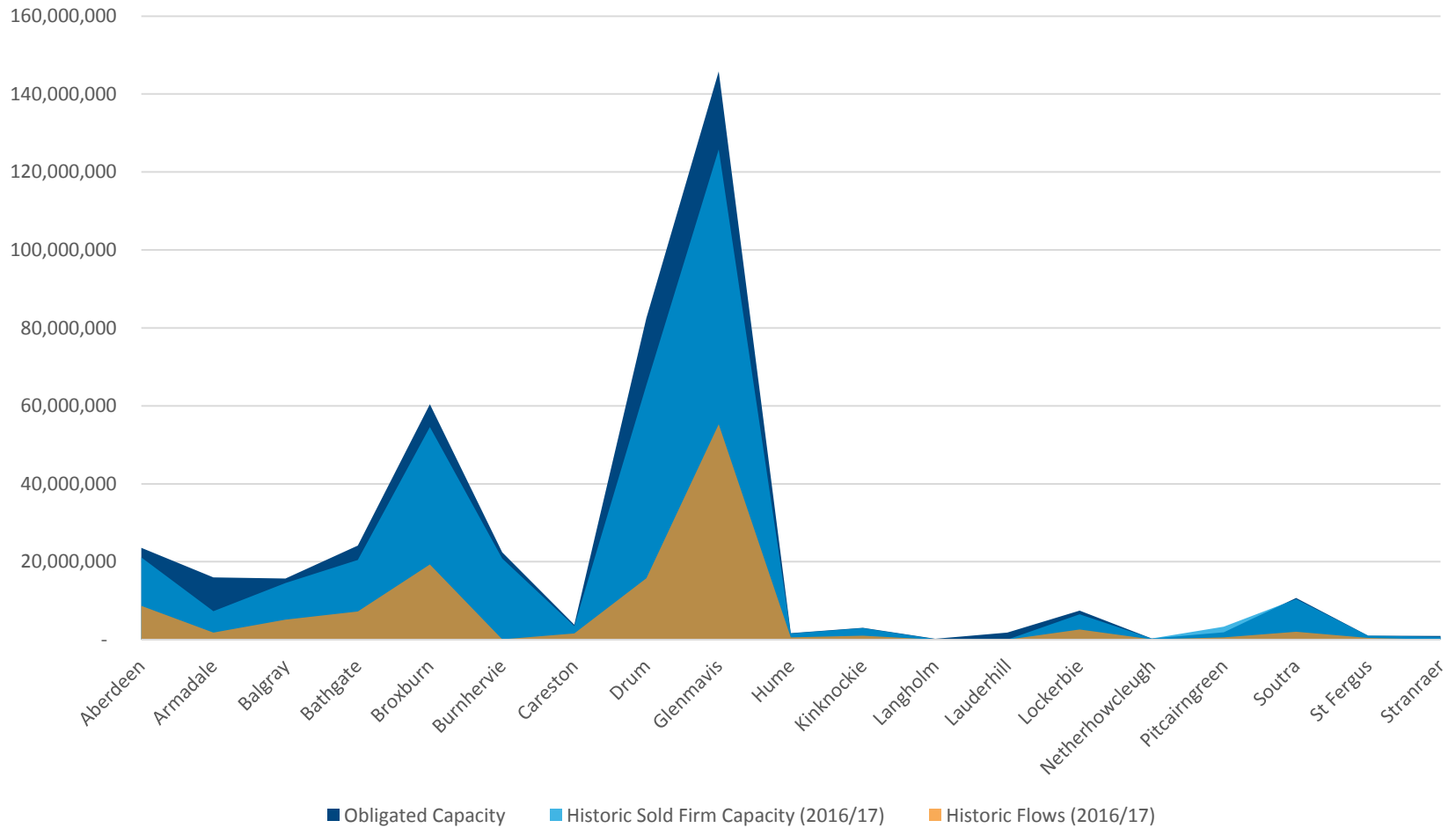
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- The historical bookings and historical flows have been taken from Year +1 FCC
  - i.e. 2016/17 bookings and flows are used for the 2017/18 Forecasted Contracted Capacity
- Firm bookings have been calculated using the capacity split sheets in the CWD Model v2.2 and applying the firm and interruptible booking percentage to the historical sold value

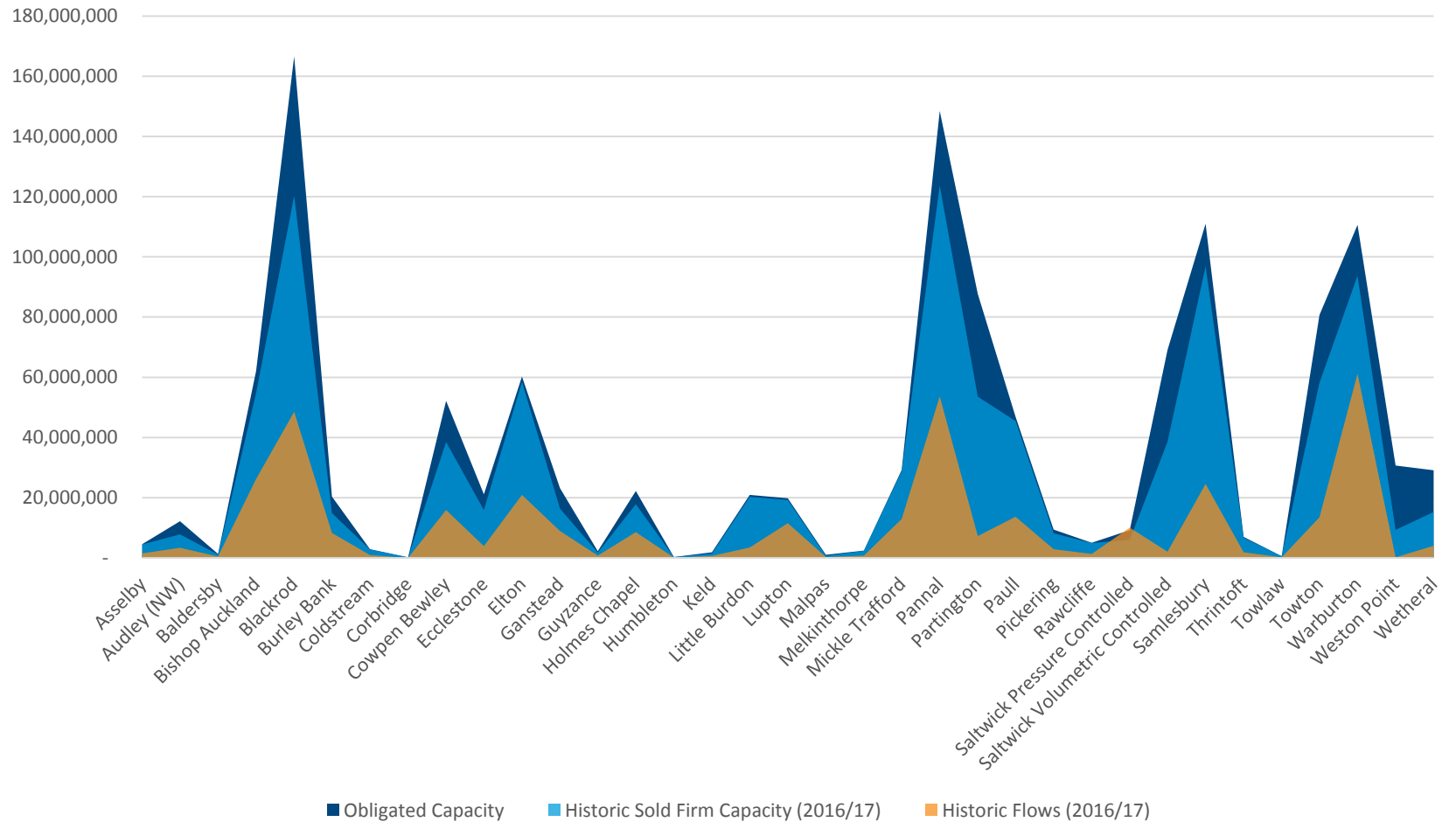
## Obligated Capacity Utilisation: Entry Points



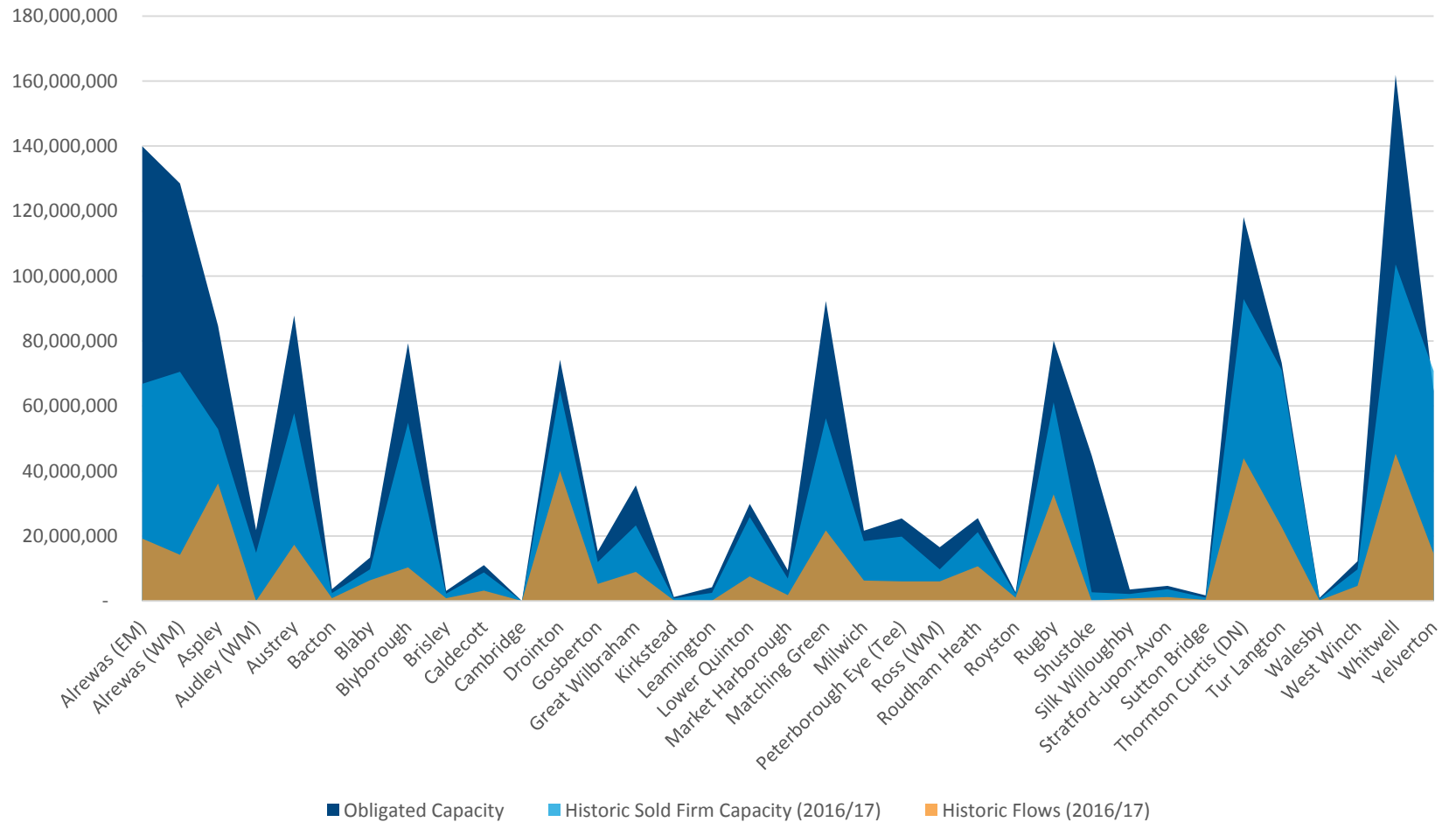
## Obligated Capacity Utilisation: GDN Offtakes – SC



## Obligated Capacity Utilisation: GDN Offtakes – NO / NW / NE

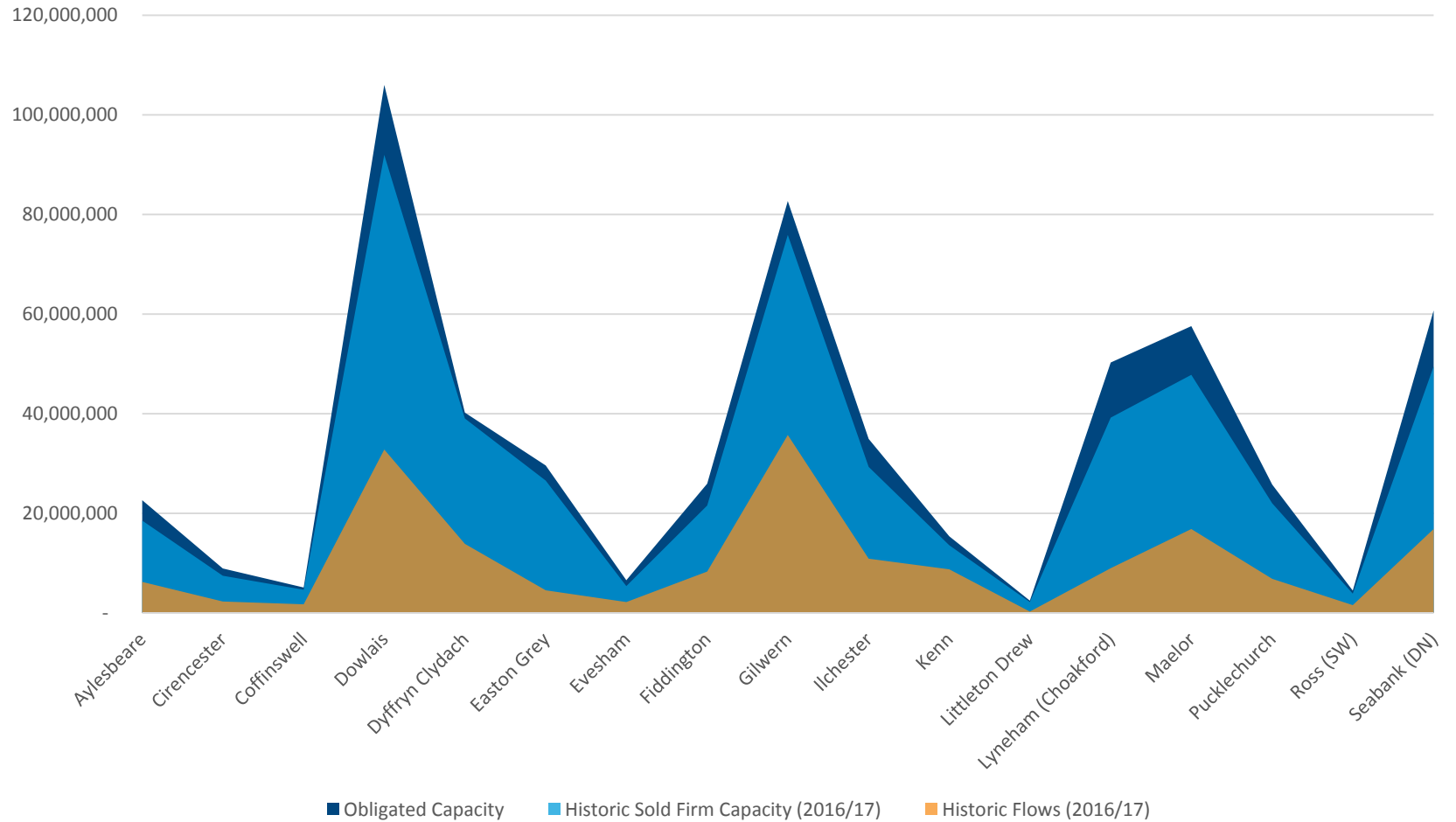


## Obligated Capacity Utilisation: GDN Offtakes – EA / WM / EM

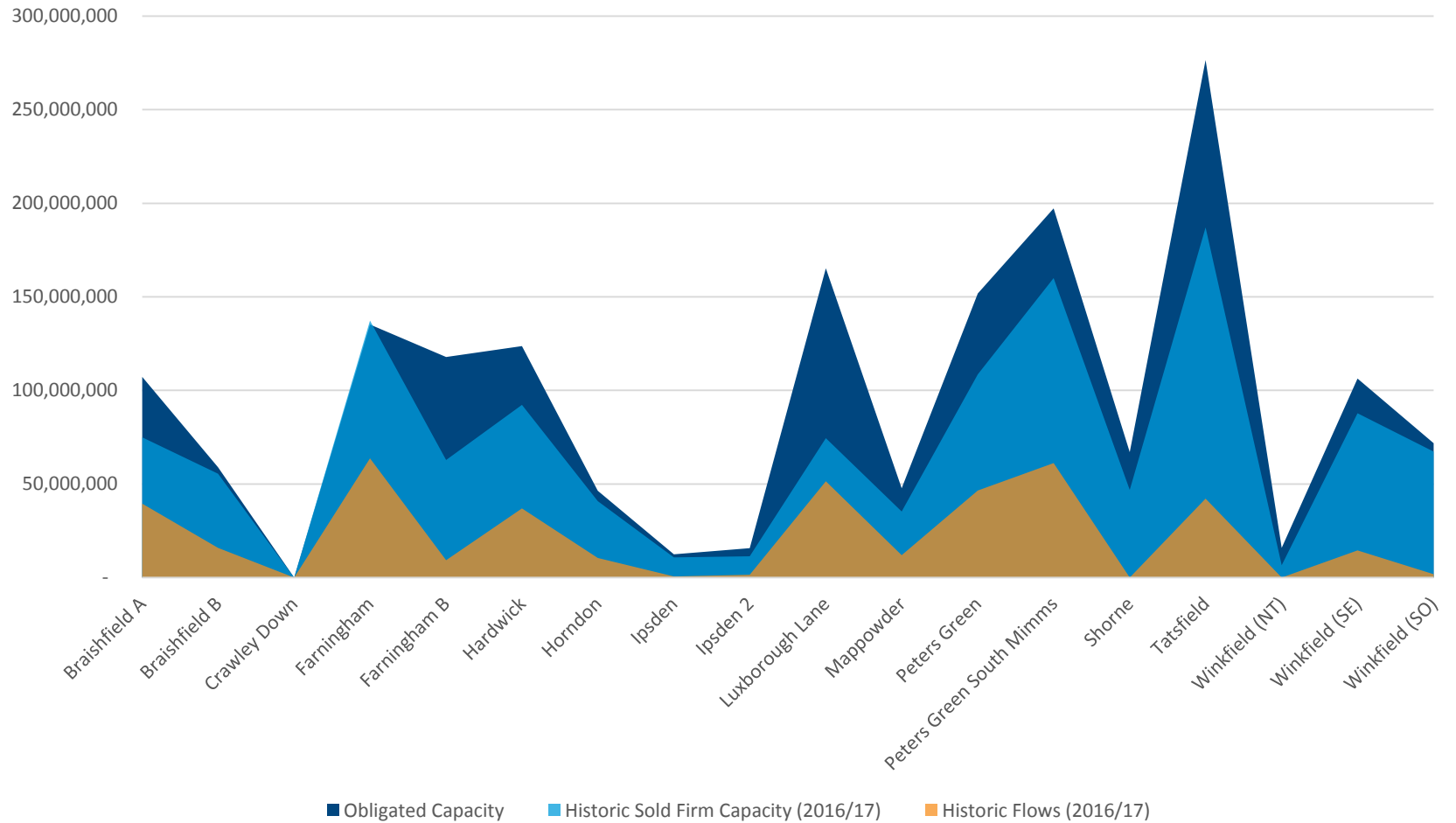




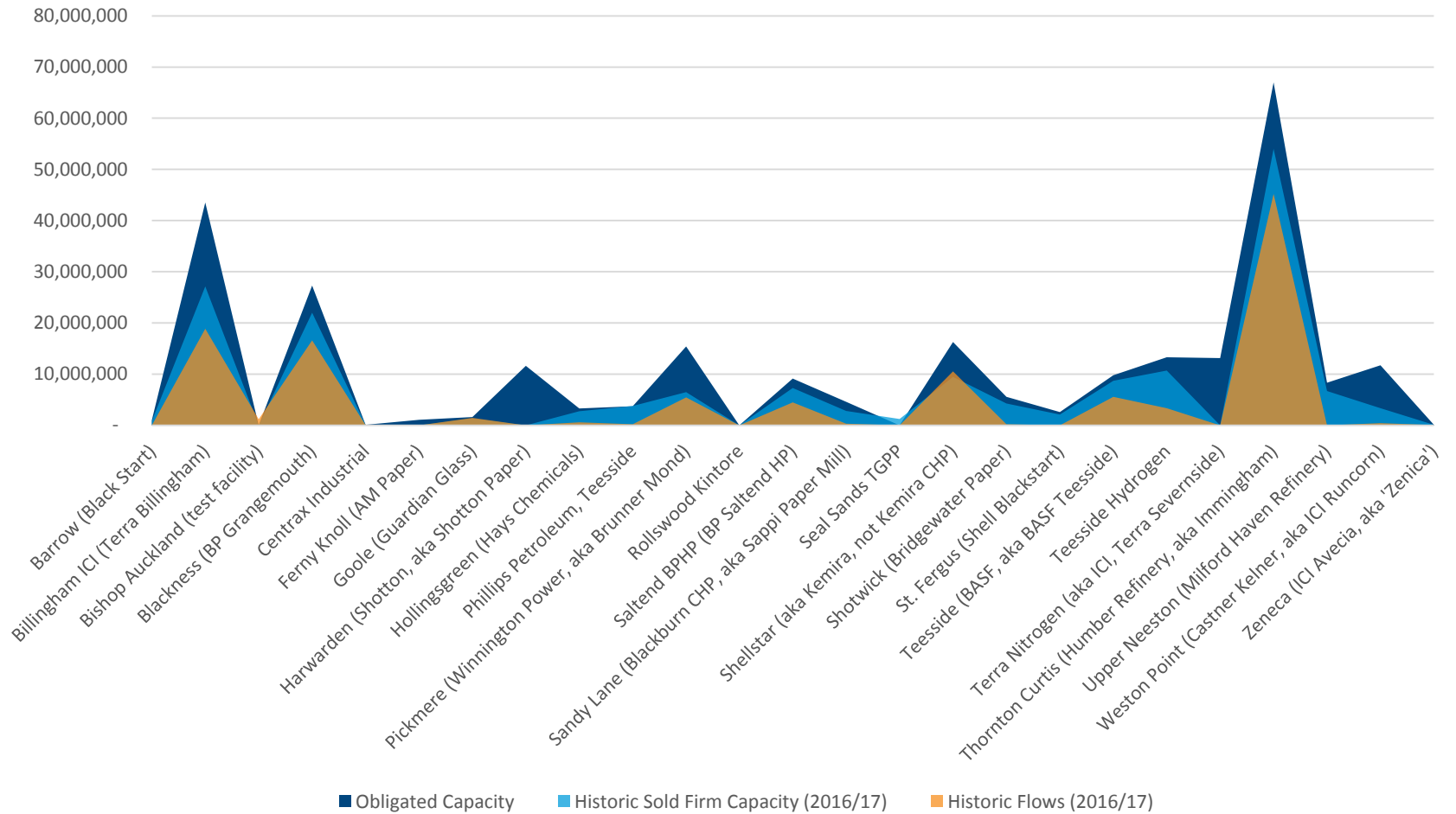
## Obligated Capacity Utilisation: GDN Offtakes – SW / WN / WS



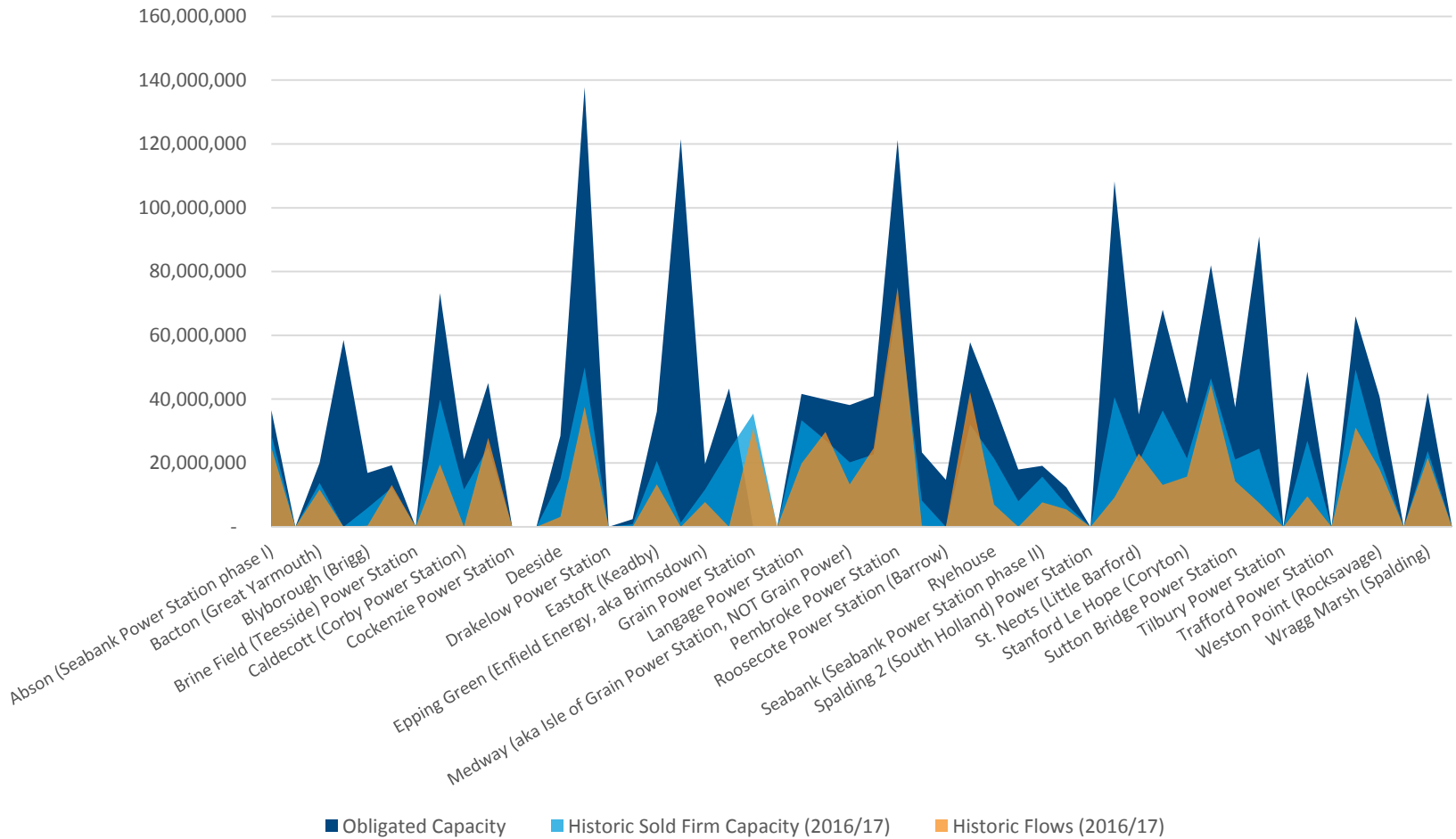
## Obligated Capacity Utilisation: GDN Offtakes – SO / SE / NT



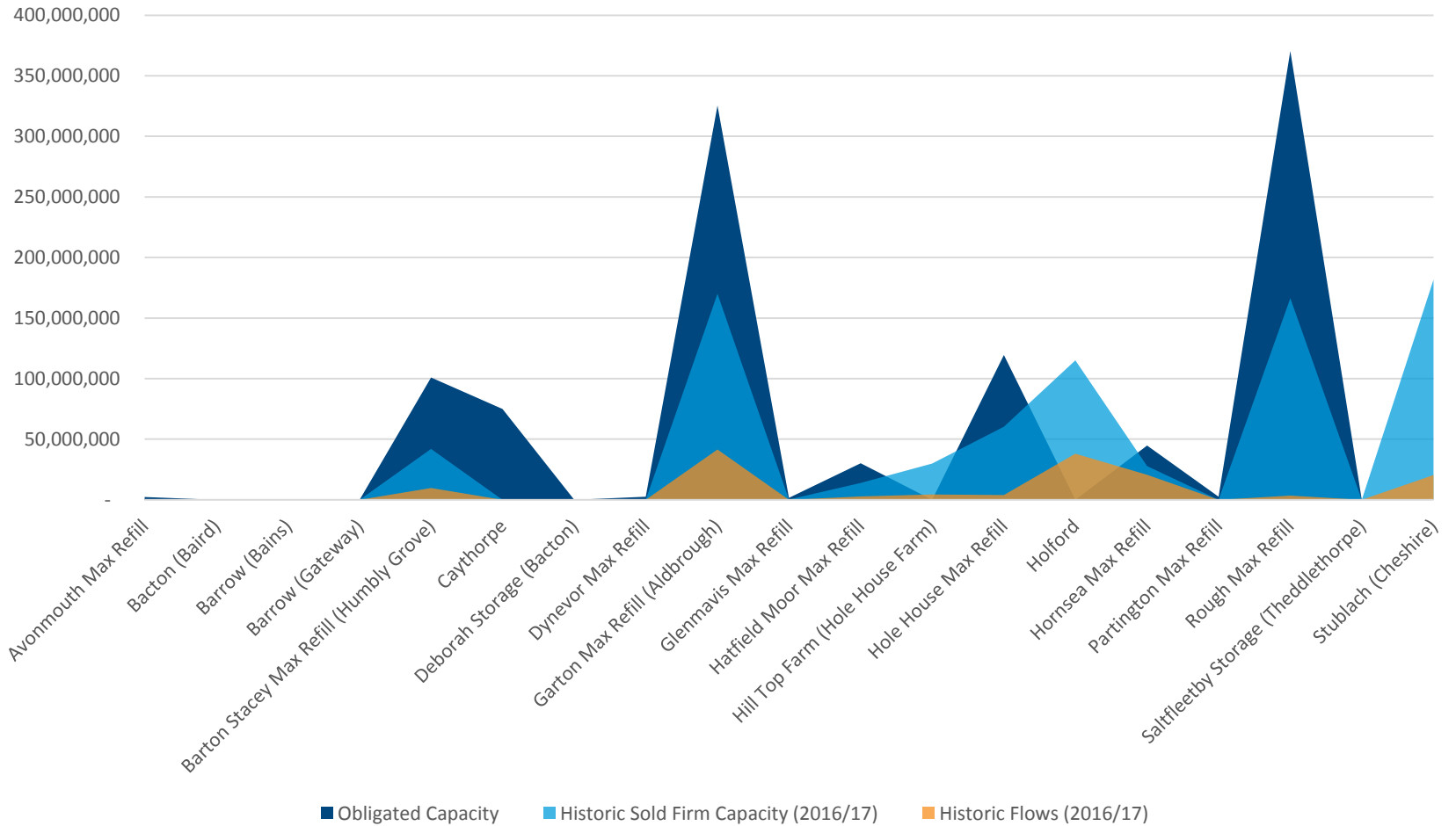
## Obligated Capacity Utilisation: Industrial Offtakes



## Obligated Capacity Utilisation: Power Station Offtakes



## Obligated Capacity Utilisation: Storage Site Offtakes



## Obligated Capacity Utilisation: Interconnection Point Offtakes

