

06 March 2023 – BBC Assumptions Book and new generation

Question:

There are numerous large tables in the Assumptions Book about new generation by technology (from page 57 - 70).

Is the output available from Transpower's OptGen generation expansion model that is used to determine new generation additions and retirements. I'm interested in a list of the assumed new generation plant by location and technology commissioned over time.

What happens to the already determined BBC allocations if new generation is not built in the regions in the quantum or within the timeframes that Transpower models? For example, the CUWLP allocations make assumptions about the capacity of new generation investment in the lower South Island.

Response:

OptGen is generally run for each BBI, as the BBI can influence when and where generation is connected to the grid. Therefore, the generation location and technology assumptions are provided as part of the consultation for a BBI (e.g. see Appendix B of the [CUWLP starting BBI customer allocations – Record of application of the BBC standard method](#)).

Once we've made our decision (following consultation) starting allocations are fixed unless one of the BBC adjustment events listed in clause 81(1) occurs (apart from the events in (a) and (k), which are "scaling" adjustments and do not affect allocations). Allocations are not regularly revisited to see if our original modelling assumptions were correct (a deliberate policy choice by the Authority).

Note, an existing customer does not receive an allocation for its grid connected or embedded generation until that new generation connects to the grid or distribution network.