



TRANSPOWER



Customer Advice Notice

Revision

To: SO Notice NZ Participants

From: The System Operator

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Revision of: CAN, 800000248, 22-jul-2026 14:00, New Bream Bay Transformers Permanent Constraint

New Bream Bay Transformers Permanent Constraint

Transpower, as System Operator, advises that a new permanent constraint has been created.

This constraint will become effective from the 19th of August 2026.

As part of the commissioning of the new special protection scheme on the Bream Bay (BRB) transformers and future solar generation commissioning, a new constraint has been created to protect ~~a BRB transformer from overloading due to the contingency of the other transformer~~ the BRB transformers from pre-contingent overloads during high generation and low load.

BRB_T2&T3_P_1

$-1 * BRB_T2.T2 + -1 * BRB_T3.T3 \leq 199MW$

The effect of this constraint is to manage pre-contingent flows through Bream Bay T2 and T3 during high Bream Bay generation and low Bream Bay load. Based on the Grid Owner's offer, the maximum permissible combined loading of these transformers is 200MVA, which corresponds to their combined continuous rating. The constraint RHS has been set 1MVA below this limit to account for MVAR flow through the transformers. The Bream Bay Transformer Overload Protection scheme will operate at 116/121 MVA (Summer /Winter) post-contingently.

If you have any queries, please email OPS.Planner@transpower.co.nz For further information on existing constraints, go to:

<https://www.transpower.co.nz/system-operator/operational-information/security-constraints>