# Retroactive Replacement Transaction Examples

# Business Rules

Each retroactive Replacement Transaction is submitted for a single day (i.e., the operating day of the PAI) and will be subject to the following rules:

1. The replacement resource must have already been in the same subaccount as the resource being replaced on the operating day of the PAI.
2. The replacement resource must have been included in the same PAIs as the resource being replaced. Excess Commitment Credits, Locational UCAP, and Cleared Buy Bids are not assessed in a PAI and may not be used as a replacement resource.
3. The replacement resource must have the same or better temporal availability characteristics as the resource being replaced.
4. The replacement resource must be located in the same LDA (or a more constrained child LDA) as the resource being replaced*
5. The resulting total Daily Resource Commitments (RPM and FRR) (in UCAP terms) on a generation resource used as a replacement resource cannot exceed such replacement resource's Actual Performance during the PAIs of the operating day.

*The replacement resource may be located in a less constrained immediate parent LDA if there is remaining import capability into the child LDA

See Manual 18; Section 8.8

# Consideration of Actual Performance

| Replacement Resource | Owned MW (UCAP MW) (A) | Existing Commitment (UCAP MW) (B) | Actual Performance* (UCAP MW) (C) | Available Actual Performance MW for Replacement (UCAP MW) (D) = (C)-(B) | Available MW for Replacement (UCAP MW) (E) = (A) – (B) | Min. Available MW for Replacement Transaction (UCAP MW) (F) = Min (D, E) | Cap. Market Seller Replacement Transaction (UCAP MW) (G) | Total Approved Replacement MW (H) | Transaction Status (I) | Final Commitment (UCAP MW) (J) = (B) + (H) |
|---|---|---|---|---|---|---|---|---|---|---|
| Cap Resource 1 | 55 | 50 | 60 | 10 | 5 | 5 | 5 | 5 | Approved | 55 |
| Cap Resource 2 | 150 | 100 | 0 | 0 | 50 | 0 | 50 | 0 | Denied | 100 |
| Cap Resource 3 | 250 | 200 | 150 | 0 | 50 | 0 | 50 | 0 | Denied | 200 |
| Cap Resource 4 | 220 | 200 | 250 | 50 | 20 | 20 | 20 | 20 | Approved | 220 |
| Cap Resource 5 | 75 | 0 | 25 | 25 | 75 | 25 | 75 | 25 | Approved (Modified) | 25 |

*Actual performance is the minimum Actual Performance MW across all performance assessment intervals for the delivery day

# Replacement Resource used in multiple transactions

| Replacement Resource | Owned MW (UCAP MW) (A) | Existing Commitment (UCAP MW) (B) | Actual Performance* (UCAP MW) (C) | Available Actual Performance MW for Replacement (UCAP MW) (D) = (C)-(B) | Available MW for Replacement (UCAP MW) (E) = (A) – (B) | Min. Available MW for Replacement Transaction (UCAP MW) (F) = Min (D, E) | Cap. Market Seller Replacement Transaction (UCAP MW) (G) | Total Approved Replacement MW (H) | Transaction Status (I) | Final Commitment (UCAP MW) (J) = (B) + (H) |
|---|---|---|---|---|---|---|---|---|---|---|
| Cap Resource 6 | 100 | 25 | 75 | 50 | 75 | 50 | 75 | 50 | | 75 |
| | | | | | | Transaction 1 12/29/2022 12:05 | 45 | 45 | Approved | |
| | | | | | | Transaction 2 12/29/2022 12:10 | 20 | 5 | Approved (Modified) | |
| | | | | | | Transaction 3 12/29/2022 12:15 | 10 | 0 | Denied | |

*Actual performance is the minimum Actual Performance MW across all performance assessment intervals for the delivery day

Note: Min Available MW for replacement will be allocated to multiple transactions based on transaction timestamp