

ERCOT CRR Deration Settlement Process

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CRR Deration Process

- The deration settlement mechanism was introduced in order to deter inefficient market activity
 - Addresses the ability for related positions to influence outcomes at the expense of market efficiency
- Applies to CRR Options with a Resource Node as a sink or source and CRR Obligations with a positive value and Resource Node as a sink or source
- The deration price for a CRR path is determined at the constraint level
 - It is product of the Deration Factor (DRF), Day-Ahead Shadow Price, and the CRR's positive Day-Ahead Shift Factor impacts and is performed for each constraint
 - DRF= MW oversold / prevailing direction flow on the constraint (see appendix)
- The derated amount is applied to CRR payout
- Hedge Values can keep you whole
 - Designed to ensure target payments for 'hedge' activity
 - Hedge Value dependent on resource type at source and sink and the day-ahead SPP



CRR deration introduces market inefficiencies that can be mitigated or avoided with more targeted approaches

Enhancement Options

Eliminate the derate process

- The current process is clearly inefficient, as today it can impact entities that hold open CRR positions and hold no Day-Ahead Market positions
- More equitable: CRR holders do not cause unmodeled or forced outages, but yet pay in full for the value of the CRR that is forfeited through the deration process
- Moves toward a more fully funded CRR product as target payment could be satisfied by available funds in the CRR Balancing Account

• Keep the the derate process and refund CRRs

- Refund the portion of the CRR purchase price associated with the derate
- More equitable: CRR holders do not cause unmodeled or forced outages, but yet pay in full for the value of the CRR that is forfeited through the deration process

Replace the derate process

- Other ISOs (e.g. PJM and CAISO) utilize more targeted settlement mechanisms, which are designed to identify and resolve actual occurrences of the undesired activity involving related positions
- Preserves the intent of the derate methodology without its inefficiencies



CRR Deration Process

