

Up To Transaction

04/10/2014

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HOW UTCs WORK

- UTCs are submitted in the Day Ahead Market and take a position on the price separation between two points
- For UTCs in the direction of congestion, they are profitable when RT congestion > DA Congestion
- In the counter-flow direction, they are profitable when RT congestion < DA congestion





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Observations

- UTCs profit when they contribute to convergence of Day-Ahead and Real-Time congestion
 - When they increase congestion in DA drawing it closer to real-time, they make money
 - When they create congestion in DA that does exist in RT, they lose money
- This principles applies for both prevailing and counter-flow congestion

Up To Transaction History

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- June 1, 2000
 - UTCs first became available in PJM coincident with the implementation of the DA Market
- June 1, 2007
 - Due to the transmission service reservation required for UTCs, they receive a share of the loss over collection
- March 1, 2008
 - Max Spread for UTC transactions increased to +/- \$50
 UTCs but limited valid source/sinks

- August 28, 2010
 - PJM submitted a filing to propose several market rule changes including the elimination of OASIS reservation for UTC Transactions. The commission accepted these revisions effective September 17, 2010
- September 17, 2010
 - Transmission Service reservation requirement for UTCs is removed.
- May 17, 2011
 - Removed DUKIMP, DUKEXP, CPLEIMP, CPLEEXP, NCMPAIMP, and NCMPAEXP from eligible nodes for UTCs

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- May 1, 2012
 - Moved bidding of UTCs from EES to eMKT
- November 01, 2012
 - Removed the requirement of either source or sink node for UTCs be an Interface node
- June 10, 2013
 - PJM filed revisions to the Tariff and Operating agreement to incorporate bid/offer volume limit for UTC Transactions.

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- Determination of available nodes
 - Start with historical set of eligible nodes available for interchange transaction on the PJM OASIS
 - Remove all load buses below 69 KV from above list
 - Remove from this resulting set all generator buses at which no generators of 100 MW or more are connected
 - Remove all electrically equivalent nodes



Questions?