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| NPRR Number | [894](http://www.ercot.com/mktrules/issues/NPRR894) | NPRR Title | Correction of Unaccounted For Energy (UFE) Formula |
| Date Posted | | August 28, 2018 | |
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| Requested Resolution | | Normal | |
| Nodal Protocol Sections Requiring Revision | | 11.4.6.3, Unaccounted For Energy Allocation to Unaccounted For Energy Categories | |
| Related Documents Requiring Revision/Related Revision Requests | | Not Applicable | |
| Revision Description | | This Nodal Protocol Revision Request (NPRR) corrects the formula for allocation of Unaccounted For Energy (UFE) to UFE categories by removing obsolete components of the formula referring to distribution voltage level Non-Opt-In Entities (NOIEs). | |
| Reason for Revision | | Addresses current operational issues.  Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/news/presentations/2013/ERCOT%20Strat%20Plan%20FINAL%20112213.pdf) or directed by the ERCOT Board).  Market efficiencies or enhancements  Administrative  Regulatory requirements  Other: (explain)  *(please select all that apply)* | |
| Business Case | | This NPRR aligns Protocol language with the implementation of UFE allocation. Language referencing distribution voltage level NOIEs was removed from Protocol Section 11.4.6.3 in NPRR114, Section 11, Synchronization of Zonal Protocols. However, at that time two references within the allocation formula were not removed. | |

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| Market Segment | Not Applicable |

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| Proposed Protocol Language Revision |

11.4.6.3 Unaccounted For Energy Allocation to Unaccounted For Energy Categories

(1) For each Premise category, and for each Settlement interval, the UFE allocated to each UFE category is calculated as follows:

UFE *PRiz*= UFE *iz* \* [(f *PRiz*\* L *PRiz*) / L *UFEiz*]

UFE *IDRiz* = UFE *iz* \* [(f *IDRiz*\* L *IDRiz*) / L *UFEiz*]

UFE *TRiz* = UFE *iz* \* [(f *Triz*\* L *TRiz*) / L *UFEiz*]

UFE *TNOIEiz* = UFE *iz* \* [(f *TNOIEiz* \* L *TNOIEiz*) / L *UFEiz*]

L *UFEiz* = f *PRiz* \* L *PRiz* + f *IDRiz* \* L *IDRiz*+ f *TRiz* \* L *TRiz* + f *TNOIEiz* \* L *TNOIEiz* L *UFEi* = SUM(L *UFEiz*)*z*

The above variables are defined as follows:

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| Variable | Unit | Description |
| *i* |  | Interval. |
| *z* |  | Zone. |
| UFE *PRiz* |  | Amount of UFE allocated to profile category per interval per zone. |
| UFE *IDRiz* |  | Amount of UFE allocated to IDR category per interval per zone. |
| UFE *TRiz* |  | Amount of UFE allocated to transmission category per interval per zone. |
| UFE *TNOIEiz* |  | Amount of UFE allocated to transmission voltage level NOIE category per interval per zone. |
| UFE *i* |  | Total ERCOT system UFE per interval. |
| L *PRiz* |  | Aggregate Load of profile category - adjusted for losses per interval per zone. |
| L *IDRiz* |  | Aggregate Load of all IDR category - adjusted for losses per interval per zone. |
| L *TRiz* |  | Aggregate Load of transmission category - adjusted for losses per interval per zone. |
| L *TNOIEiz* |  | Aggregate Load of transmission level non opt-in category - adjusted for losses per interval per zone. |
| f *PRiz* |  | Adjustment percentage for profiled Premises per interval per zone. |
| f *IDRiz* |  | Adjustment percentage for IDR Premises per interval per zone. |
| f *TRiz* |  | Adjustment percentage for transmission Premises per interval per zone. |
| f *TNOIEiz* |  | Adjustment percentage for transmission voltage level non-opt-in Premises per interval per zone. |
| L *UFEiz* |  | Adjusted total UFE allocation reference Load per interval per zone. |