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| NPRR Number | [894](http://www.ercot.com/mktrules/issues/NPRR894) | NPRR Title | Correction of Unaccounted For Energy (UFE) Formula |
| Date of Decision | | December 11, 2018 | |
| Action | | Approved | |
| Timeline | | Normal | |
| Effective Date | | January 1, 2019 | |
| Priority and Rank Assigned | | Not Applicable | |
| 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 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. | |
| Credit Work Group Review | | ERCOT Credit Staff and the Credit Work Group (Credit WG) have reviewed NPRR894 and do not believe that it requires changes to credit monitoring activity or the calculation of liability. | |
| PRS Decision | | On 9/13/18, PRS voted unanimously to recommend approval of NPRR894 as submitted. All Market Segments were present for the vote.  On 10/18/18, PRS voted unanimously to endorse and forward to TAC the 9/13/18 PRS Report as revised by PRS, and Impact Analysis for NPRR894. All Market Segments were present for the vote. | |
| Summary of PRS Discussion | | On 9/13/18, there was no discussion.  On 10/18/18, ERCOT Staff proposed additional corrections to Section 11.4.6.3. | |
| TAC Decision | | On 11/29/18, TAC voted unanimously to recommend approval of NPRR894 as recommended by PRS in the 10/18/18 PRS Report. All Market Segments were present for the vote. | |
| Summary of TAC Discussion | | On 11/29/18, there was no discussion. | |
| ERCOT Opinion | | ERCOT supports approval of NPRR894. | |
| Board Decision | | On 12/11/18, the ERCOT Board approved NPRR894 as recommended by TAC in the 11/29/18 TAC Report. | |

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| Sponsor | |
| Name | Mark Ruane, Randy Roberts |
| E-mail Address | [mruane@ercot.com](mailto:mruane@ercot.com), [rroberts@ercot.com](mailto:rroberts@ercot.com) |
| Company | ERCOT |
| Phone Number | 512-248-6800 |
| Cell Number |  |
| Market Segment | Not Applicable |

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| **Market Rules Staff Contact** | |
| **Name** | Brittney Albracht |
| **E-Mail Address** | [Brittney.Albracht@ercot.com](mailto:Brittney.Albracht@ercot.com) |
| **Phone Number** | 512-225-7027 |

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| **Comments Received** | |
| Comment Author | **Comment Summary** |
| None |  |

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| Market Rules Notes |

None

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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*

The above variables are defined as follows:

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| Variable | Unit | Description |
| 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 *iz* |  | Total ERCOT system UFE per interval per zone. |
| 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. |