

**ESBWR DCD Tier 2 Chapter 8**  
**26A6642AX Revision 5 to Revision 6 Change List**

| <b>Item</b> | <b>Location</b>   | <b>Description of Change</b>  |
|-------------|---|---|
| 1.          | Entire Chapter  | Global chapter editorial changes to correct misspelling and grammar, spell out or integrate acronyms where appropriate, and update references as needed and where required. |
| 2.          | Entire Chapter  | Revised COL references for consistency among chapters.  |
| 3.          | S8.1.1, 1 <sup>st</sup> para., new 5 <sup>th</sup> sentence | Sentence added in response to RAI 14.3-394 S01.   |
| 4.          | S8.1.1, 2 <sup>nd</sup> para., 3rd sentence                 | Sentence revised in response to RAI 8.2-14 S01.   |
| 5.          | S8.1.2.2, 1 <sup>st</sup> para.                             | Sentence revised in response to RAI 14.3-394 S01.   |
| 6.          | S8.1.2.2, 2 <sup>nd</sup> para.                             | Sentence revised in response to RAI 14.3-394 S01.   |
| 7.          | S8.1.2.2, 3 <sup>rd</sup> para.                             | Paragraph revised in response to RAI 14.3-394 S01.  |
| 8.          | S8.1.3.2, 2 <sup>nd</sup> para., 2 <sup>nd</sup> sentence   | Changed “motors” to “loads” for clarification.  |
| 9.          | S8.1.5.2.2.1, 3 <sup>rd</sup> para.                         | Deleted last two sentences in response to RAI 8.2-14 S01.   |
| 10.         | S8.1.5.2.4, GDC 17  | Bullet revised in response to RAI 14.3-394 S01.   |
| 11.         | S8.1.5.2.4, RG 1.32   | Deleted last sentence in response to RAI 8.3-62.  |
| 12.         | S8.1.5.2.4, RG 1.128  | Deleted last two sentences in response to RAI 8.3-62.   |
| 13.         | S8.1.5.2.4, RG 1.129  | Deleted last sentence in response to RAI 8.3-62.  |
| 14.         | T8.1-1, Rows 13, 21 and 22                                  | Revised in response to RAI 8.3-62.  |
| 15.         | T8.1-1, Row 24  | Revised in response to RAI 8.1-21.  |
| 16.         | T8.1-1,<br>Note (9)   | Note added in response to RAI 8.1-21.   |
| 17.         | F8.1-1  | Figure revised in response to RAI 8.1-20.   |
| 18.         | F8.1-2  | Figure updated to be consistent with Figure 8.1-1, Sh. 3 of 3, for interlocks.  |
| 19.         | F8.1-3  | Figure updated for the addition of interlocks to reflect design detail.   |
| 20.         | F8.1-4  | Figure revised in response to RAI 8.2-14 S01.   |

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| 21.         | F8.1-4  | Figure revised to show fuse disconnects on the 120V AC buses to eliminate single failure mode.             |
| 22.         | S8.2.3, 2 <sup>nd</sup> bullet  | Changed “systems” to “lines” to be consistent with Design Basis at for offsite power (Subsection 8.1.5.1). |
| 23.         | S8.2.2.2, GDC 17  | Bullet revised in response to RAI 14.3-394 S01.  |
| 24.         | S8.3.1.1, new 5 <sup>th</sup> para.   | Paragraph added in response to RAI 14.3-394 S01.   |
| 25.         | S8.3.1.1, 6 <sup>th</sup> para.,<br>2 <sup>nd</sup> sentence                      | Sentence added in response to RAI 8.2-16.  |
| 26.         | S8.3.1.1, new 8 <sup>th</sup> para.   | Paragraph moved from former 11 <sup>th</sup> paragraph position for editorial clarity.                     |
| 27.         | S8.3.1.1, 9 <sup>th</sup> para.,<br>2 <sup>nd</sup> sentence                      | Sentence added in response to RAI 8.2-16.  |
| 28.         | S8.3.1.1, 9 <sup>th</sup> para., 1 <sup>st</sup> sentence                         | Paragraph revised in response to RAI 14.3-394 S01.   |
| 29.         | S8.3.1.1, old 11 <sup>th</sup> para.  | Paragraph moved to 8 <sup>th</sup> paragraph position for editorial clarity.                               |
| 30.         | S8.3.1.1, new 13 <sup>th</sup> para.  | Paragraph added in response to RAI 14.3-394 S01.   |
| 31.         | S8.3.1.1, 14 <sup>th</sup> para.  | Paragraph revised in response to RAI 14.3-394 S01.   |
| 32.         | S8.3.1.1.2, 4 <sup>th</sup> para., 1 <sup>st</sup><br>sentence                    | Sentence revised in response to RAI 14.3-394 S01.  |
| 33.         | S8.3.1.1.2, new 5 <sup>th</sup> para.   | Paragraph added in response to RAI 14.3-394 S01.   |
| 34.         | S8.3.1.1.2, 7 <sup>th</sup> para., 2 <sup>nd</sup><br>sentence                    | Sentence revised in response to RAI 8.2-14 S01.  |
| 35.         | S8.3.1.1.2, 8 <sup>th</sup> para.,<br>1 <sup>st</sup> sentence                    | Sentence revised in response to RAI 8.3-60.  |
| 36.         | S8.3.1.1.3, new 2 <sup>nd</sup> para.   | Paragraph added in response to RAI 14.3-413.   |
| 37.         | S8.3.1.1.3, 7 <sup>th</sup> para.   | Deleted last two sentences in response to RAI 8.2-14 S01.  |
| 38.         | S8.3.1.1.3, 9 <sup>th</sup> para., 4 <sup>th</sup> and<br>5 <sup>th</sup> bullets | Bullets deleted in response to RAI 8.2-14 S01.   |

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| 39.         | S8.3.1.1.3, 10 <sup>th</sup> para., 4 <sup>th</sup> sentence                       | Sentence revised in response to RAI 8.2-14 S01.   |
| 40.         | S8.3.1.1.3, 10 <sup>th</sup> para., 5 <sup>th</sup> sentence                       | Added “for a period of time greater than 36 hours but less than 72 hours” as an editorial clarification in response to RAI 16.2-82 S01. |
| 41.         | S8.3.1.1.9, 3 <sup>rd</sup> para.  | Paragraph revised to clarify ADG description.   |
| 42.         | S8.3.1.2.1, GDC 17   | Paragraph revised in response to RAI 14.3-394 S01.  |
| 43.         | S8.3.2.1.1, 4 <sup>th</sup> para., 3 <sup>rd</sup> and 4 <sup>th</sup> sentence    | Sentence revised in response to RAI 8.3-62.   |
| 44.         | S8.3.2.1.1, 4 <sup>th</sup> para., 5 <sup>th</sup> sentence                        | Sentence added in response to RAI 8.3-62.   |
| 45.         | S8.3.2.1.1, 6 <sup>th</sup> para.  | Sentence revised in response to RAI 8.3-62.   |
| 46.         | S8.3.2.1.1, 12 <sup>th</sup> para., 2 <sup>nd</sup> sentence                       | Sentence revised in response to RAI 8.3-62.   |
| 47.         | S8.3.2.1.1, 13 <sup>th</sup> para., 3 <sup>rd</sup> sentence                       | Sentence revised in response to RAI 8.3-62.   |
| 48.         | S8.3.2.1.1, 14 <sup>th</sup> para.   | Sentence revised in response to RAI 8.3-62.   |
| 49.         | S8.3.2.1.2, 4 <sup>th</sup> para., 3 <sup>rd</sup> sentence                        | Sentence revised in response to RAI 8.3-62.   |
| 50.         | S8.3.2.1.2, 5 <sup>th</sup> para., 3 <sup>rd</sup> sentence                        | Sentence revised in response to RAI 8.3-62.   |
| 51.         | S8.3.2.1.2, 12 <sup>th</sup> para., 1st sentence                                   | Sentence revised in response to RAI 8.3-62.   |
| 52.         | S8.3.2.2.2, 2 <sup>nd</sup> bullet, 2 <sup>nd</sup> sentence                       | Sentence revised in response to RAI 8.3-61.   |
| 53.         | S8.3.2.2.2, 10 <sup>th</sup> bullet, 2 <sup>nd</sup> and 3 <sup>rd</sup> sentences | Sentences deleted in response to RAI 8.3-62.  |
| 54.         | S8.3.2.2.2, 11 <sup>th</sup> bullet, 2 <sup>nd</sup> and 3 <sup>rd</sup> sentences | Sentences deleted in response to RAI 8.3-62.  |
| 55.         | S8.3.4, 8.3.4-1-A  | COL Applicant item added in response to RAI 8.3-62.   |

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| 56.         | S8.3.5, Ref. 8.3-3, 8.3-8 and 8.3-9                          | References deleted in response to RAI 8.3-62                                   |
| 57.         | 8.3.5, Ref. 8.3-41 and 8.3-42                                | References added in response to RAI 8.3-62.                                    |
| 58.         | T8.3-3, Notes (3) and (4)                                    | Notes added in RAI 8.3-62.   |
| 59.         | T8.3-3, Note (5)   | Note added in response to RAI 16.2-82 SO1.                                     |
| 60.         | T8.3-4, a  | Sentence revised in response to RAI 8.3-62.                                    |
| 61.         | T8.3-4, b  | Items revised in response to RAI 8.3-62.                                       |
| 62.         | T8.3-4, c, ii)   | Deleted rows in response to RAI 8.2-14 S01.                                    |
| 63.         | F8.3-1   | Figure revised in response to RAI 8.2-14 S01.                                  |
| 64.         | F8.3-2<br>Sheet 3  | Figure updated to be consistent with Figure 8.1-1, Sh. 3 of 3, for interlocks. |
| 65.         | F8.3-3   | Figure revised in response to RAI 9.4-53.                                      |
| 66.         | F8.3-3   | Figure revised in response to RAI 8.2-14 S01.                                  |
| 67.         | S8A.1.1, 2nd para.   | Paragraph revised to clarify instrument grounding.                             |
| 68.         | S8A.1.1, 4 <sup>th</sup> para.,<br>2 <sup>nd</sup> sentence  | Sentence revised to clarify ground mat and ground grid connections.            |
| 69.         | S8A.1.1, 10 <sup>th</sup> para.,<br>2 <sup>nd</sup> sentence | Sentence revised in response to RAI 14.3-427.                                  |