



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

SEP 02 2015

OFFICE OF  
AIR AND RADIATION

**MEMORANDUM**

**SUBJECT:** Correction of Inadvertent Errors in the Final Rule, "Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units," and Associated Supporting Documents

**FROM:** Janet G. McCabe   
Acting Assistant Administrator (6101A)

**THRU:** Lorie Schmidt, Associate General Counsel   
Air and Radiation Law Office (2344A)

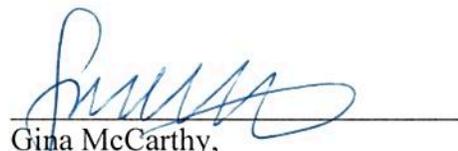
Joel Beauvais, Associate Administrator   
Office of Policy (1804A)

**TO:** Gina McCarthy  
Administrator (1101A)

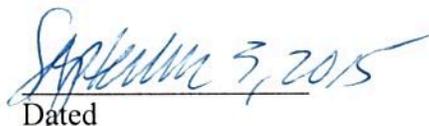
Inadvertent errors were made in the process of preparing the signature package for the Clean Air Act section 111(d) final rule, "Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units," signed on August 3, 2015. Corrections have been made to ensure the accuracy and consistency of the preamble and the regulatory text. Corrections to the signed final rule that merit explanation are listed in Attachment 1. All of the corrections are shown in the redline and strikeout version of the signed rule, which is provided as Attachment 2. The corrections shown include those listed in Attachment 1, as well as grammatical, punctuation and formatting corrections, including those needed to conform with requirements for publication in the *Federal Register*.

Inadvertent errors were also made in the process of preparing final supporting documents. These documents include the regulatory impact analysis (RIA), the response to comment (RTC) documents and the technical support documents (TSDs). Corrections to these supporting documents that merit explanation are listed in Attachment 3. Attachment 4 is a redline and strikeout version of the RIA that shows all corrections. Attachment 5 is a compilation of all of the corrections to the RTC documents, excerpted from the full documents and shown in redline and strikeout. Attachment 6 is a compilation of all of the corrections to the TSDs, excerpted from the full documents and shown in redline and strikeout.

We recommend correction of these inadvertent errors and approval of these changes by signing and dating below.

A handwritten signature in blue ink, appearing to read "Gina McCarthy", written over a horizontal line.

Gina McCarthy,  
Administrator.

A handwritten date in blue ink, "September 3, 2015", written over a horizontal line.

Dated

Attachments

cc: Kristien Knapp/OA (1101A)

## ATTACHMENT 1

### Corrections to Inadvertent Errors: Clean Power Plan Final Rule

#### Preamble

The following corrections have been made to the preamble of the final rule to ensure accuracy, clarity and consistency.

1. Page 5 – Deleted “PSB... Public Service Board” and “SBL... System Benefits Charge” from the list of acronyms, as they are not identified in this rule.
2. Pages 28, 238-39, 352, 354, 441, and 452 – Eliminated “reduced” in the term “reduced generation” in the descriptions of building blocks 2 and 3 that appears in nine places in the preamble. “Reduced” is redundant in this context, and removing it will prevent potential confusion about the definition of the BSER.
3. Page 31, footnote 7 – Revised by replacing “lacks appropriate” with “does not possess all of the” and adding “or analytical tools needed” after “information,” to read “Because the EPA does not possess all of the information or analytical tools needed to quantify the BSER for the two non-contiguous states.” This revision is needed to make the footnote consistent with the rest of the preamble.
4. Pages 34, 893, 992, and 1001 – Added “plan” after “programmatic” to clarify that the programmatic milestones are for implementation of the plan.
5. Page 46 – Added “coal-fired” before “plants”, replaced “These” with “In addition, a number of” and replaced “natural gas-fired units, which have” with “natural gas-fired units are also expected to increase operations, but they have.” As revised, this would read “While pollution will be cut from power plants overall, there may be some relatively small number of coal-fired plants whose operation and corresponding emissions increase as energy providers balance energy production across their fleets to comply with state plans. In addition, a number of the highest-efficiency natural gas-fired units are also expected to increase operations, but they have correspondingly low carbon emissions and are also characterized by....” These clarifications more accurately reflect that we expect a number of NGCC units to increase operations under this rule and recognize that a small number of coal-fired units may increase operations.
6. Page 91 – Revised by adding “natural gas-fired units and” before “RE” and removing “and demand-side EE” after “RE,” to read as follows:  
“...Congress established a pollution reduction program specifically for fossil fuel-fired EGUs and designed the SO<sub>2</sub> portion of that program with express recognition of the sector’s ability to shift generation among various EGUs, which enabled pollution reduction by increasing reliance on natural gas-fired units and RE.”
7. Page 129 – Deleted “is” from “...with the greatest warming is expected during the summer.”
8. Pages 257, 260, 270, 273, and 1490 – Deleted parentheses from “(HAP)” to read “HAP”.
9. Page 267 – Deleted the portion of the citation that is extraneous (“20,”) and the portion that is repeated (“,2020 71 (2012)”) in: See *RadLAX Gateway Hotel v. Amalgamated Bank*, 132 S.Ct. 2065, 20, 2070-71 (2012), 2070-71 (2012).

10. Page 303, footnote 307 – Changed “environment” to “environmental,” to read “nonair quality health and environmental impact”.
11. Page 303, footnote 307 – Deleted “in the case law” from “of those parts of the definition in the case law remain relevant to the definition as it reads today,” as the phrase is used twice in the same sentence.
12. Page 304, footnote 312 – Changed *Lignite* cite to short cite because cited in footnote 311 above. Added “at” before “933” and deleted “930,” and “(D.C. Cir. 1999)” in: “*See, e.g., Lignite Energy Council v. EPA*, 198 F.3d 930, 933 (D.C. Cir. 1999).”
13. Page 308, footnote 317 – Replaced with “Ibid.”
14. Page 311, footnote 329 – Corrected “Association of Iron and Steel Inst.” to read “Am. Iron & Steel Inst.”
15. Page 405, footnote 389 – Corrected “64551-62” to read “64551-52”.
16. Page 418, footnote 407 – Inserted “summer” in the title, to read “NERC, 2014 Summer Reliability Assessment (May 2014).”
17. Page 426 – Inserted “rather” before “than” to read: “the regional performance rates for the three interconnections for each technology subcategory as the basis for nationally uniform performance rates for that technology subcategory rather than by using the most stringent of the regional performance rates.”
18. Page 444 – as a clarification, edited “(specifically NGCC units that are currently operating or under construction” to “(specifically “existing” NGCC units, meaning units that were operating or had commenced construction as of January 8, 2014).”
19. Page 451, footnote 421 – Inserted the word “proposed” before “Carbon Pollution Standards...”
20. Page 475, footnote 434 – Added “2014” before “IPCC” and deleted “Fifth Assessment” and added to the end of the citation: “*See IPCC, 2014: Climate Change 2014: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge. <https://www.ipcc.ch/report/ar5/wg2/>.* Provides a more accurate, complete citation.
21. Page 479 – Inserted “or longer,” to read: “Moreover, the source subcategory-specific emission performance rates apply on an annual or longer basis, so that short-term issues need not jeopardize compliance.”
22. Page 489 – Deleted “and to facilitate enforceability of emission limits” to make consistent and conform with the rest of the preamble.
23. Page 491 – Deleted “we read” and replaced with “based on our reading of” in “As we have repeatedly noted, we read the comment record and the discussions that occurred during the outreach process, it is reasonable to presume that...”
24. Page 510 – Changed “waste to energy” to “waste-to-energy” in footnote 442 as a conforming edit.
25. Page 513, footnote 444 – Inserted “in part” before “because,” to read: “This conclusion would not extend to a BSER comprising solely building block 1, in part because of the possibility of rebound effects discussed earlier.”
26. Page 524, footnote 462 – Changed the abbreviated version “T fired” to “tangentially-fired.”
27. Page 581 – Revised the following quote by removing “It is the intent... by an emission allocation and transfer system” from:

“The purpose of this subchapter [Title IV] is to reduce the adverse effects of acid deposition through reductions in annual emissions of sulfur dioxide ... and nitrogen oxides.... It is the intent of this subchapter to effectuate such reductions by requiring compliance by affected EGUs with prescribed emission limitations by specified deadlines which limitations may be met through alternative methods of compliance provided by an emission allocation and transfer system. *It is also the purpose of this subchapter to encourage energy conservation, use of renewable and clean alternative technologies, and pollution prevention as a long-range strategy, consistent with the provisions of this subchapter, for reducing air pollution and other adverse impacts of energy production and use.*” The length of the quote was shortened because the Office of Federal Register has a policy against long quotes from federal statutes.

28. Page 611, footnote 574 – Deleted “discuss the relevance of limiting principles and” from “Some commenters objected that our proposed interpretation of the BSER failed to include limiting principles. In the Legal Memorandum, we discuss the relevance of limiting principles and note that the statutory constraints discussed in this section of the preamble constitute limits on the type of the BSER that the EPA is authorized to determine.” This change is needed because the Legal Memorandum does not include the referenced discussion.
29. Page 652 – Replaced “a particulate type” with “a particular type,” to read: “...this rule does not require the state to implement a particular type of energy policy or adopt particular types of energy measures.”
30. Page 664, footnote 622 – Corrected numbers. Value of 1,764 was changed to 1,741. Value of 1,698 was changed to 1,681. Value of 910 was changed to 898. Value of 899 was changed to 877. Revised footnote reads “in a proportional amount each year, beginning in 2022, the requirements for steam generators by 2022 would result in an average emissions performance rate of 1,741 lb. CO<sub>2</sub>/MWh net and by 2023, an average emission rate of 1,681 lb. CO<sub>2</sub>/MWh net (In 2030, the rate falls to 1,305 lb. CO<sub>2</sub>/MWh net.) For existing NGCC units, if states choose to implement the 111(d) requirements proportionally, in 2022, the average rate would be 898 lb. CO<sub>2</sub>/MWh net, and in 2023 it would be 898 lb. CO<sub>2</sub>/MWh net. (In 2030, this rate falls to 771 lb. CO<sub>2</sub>/MWh net.)” The values included in the signed version of the preamble did not reflect the final calculations. Updated information led to minor revisions of the values presented in the footnote that were presented elsewhere but not updated in the footnote.
31. Page 671 – Deleted “[Docket ID No. EPA-HQ-OAR-2013-0602]” as a conforming edit.
32. Page 673, footnote 629 – Deleted “Docket ID No. EPA-HQ-OAR-2013-0602-XXXX,” as a conforming edit.
33. Pages 687-688 – Replaced “conducted our analysis” with “applied this methodology” and change “percent” to “percentage” in this sentence, to read: “...we have applied this methodology on a regional basis and reduce the overall expected percentage heat rate improvement....”
34. Page 695 – Changed “percent” to “percentage,” to read: “These overall heat rate improvement figures do not include an estimated percentage heat rate improvement attributable specifically to upgrades.”

35. Page 699 – Added “operations and maintenance” and parentheses, to read: “The S&L study includes estimates of associated operations and maintenance (O&M) costs for each heat rate improvement method that is discussed.”
36. Page 702 – Changed “...our methodology’s reliance on individualized...” to “...our methodology relies on individualized...”
37. Page 705 – Changed “analysis” to “analyses” as follows: “The results of our statistical analyses are based on gross heat rates....”
38. Page 722 – Added “emission” as shown: “To comply with this rule, higher-emitting steam units will need greater emission reductions relative to lower-emitting NGCC units which will, in turn, tend to raise steam unit costs compared to NGCC units.” The revision clarifies that the reductions are emission reductions, not reductions in generation, as discussed in a previous sentence.
39. Page 748 – Added the missing word “methods” as shown: “...without consideration of the availability of other emission reduction methods ultimately available to units for compliance.”
40. Page 757 – Changes “U.S.” to “utility” in the second line of the paragraph starting “RE generating technologies are a well-established part...”
41. Page 756 – Replaced “emissions trading, that allow the development of plans that will not be constrained by existing permit limits” with “emissions trading or develop plans that will respect any existing permit limits” to provide clarification and make grammatical corrections.
42. Page 759 – In the paragraph starting “Use of RE continues to grow,” made corrections by changing 13 percent to 12 percent and 9 percent to 8 percent.
43. Page 759, footnote 684 – Deleted first part of citation: “Energy Information Administration, Annual Energy Outlook 2015 with Projections to 2040, at LR-5 (2014), P. ES-6 and” and keep the rest of the citation, starting with “Energy Information Administration, Monthly Energy Review.”
44. Page 764 – Added “In addition, the RIA notes that increasing RE will,” to read: “Increasing RE use will also continue to lower other air pollutants (e.g., fine particles, ground-level ozone, etc.). In addition, the RIA notes that increasing RE will diversify energy supply, hedge against fossil fuel price increases and create economic development and jobs in manufacturing, installation, and other sectors of the economy.”
45. Page 766, footnote 706 – Deleted “June 7, 2015 version”
46. Page 788 – After the sentence beginning “The use of RE continues to grow,” corrected 13 percent to 12 percent and 9 percent to 8 percent.
47. Pages 845-846 – Added the following clarification to the end of the paragraph that begins with “finally, the EPA repeated steps four through eight for each year 2022-2030”:  
“As described in the corresponding TSD, the EPA rounded the interim and final subcategory-specific emission performance rates up to the nearest integer to ensure that they did not slightly overstate BSER potential through use of conventional rounding. Unless otherwise stated, conventional rounding is used elsewhere during the calculation process.”
48. Page 858 – Corrected table reference in the first sentence of section VII.C from “Table 12” to “Table 13.”

49. Page 903 – Revised “...the EPA, consistent with the CAA’s directive to incentivize technology and to accelerate the decline in the costs of technology...” to read “...the EPA, consistent with the CAA’s design that incentivizes technology and accelerates the decline in the costs of technology...” This change is to assure that this description of the role of technology-forcing under CAA section 111 is consistent with how we describe the role in other parts of the preamble.
50. Page 904 – Revised “is also consistent with the technology-forcing and development purposes of section 111” to read “is also consistent with the technology-forcing and development design of CAA section 111.” This change is to assure that this description of the role of technology-forcing under CAA section 111 is consistent with how we describe the role in other parts of the preamble.
51. Page 905 – Revised “...consistent with Congress’ goals in the New Source Performance Standard provisions of the CAA” to read “...consistent with Congress’ design in the New Source Performance Standard provisions of the CAA.” This change is to assure that this description of the role of technology-forcing under CAA section 111 is consistent with how we describe the role in other parts of the preamble.
52. Page 911, footnote 782 – Revised “State measures’ refer to measures that the state adopts and implements as a matter of state law” by replacing “the state adopts and implements” with “are adopted, implemented, and enforced.” The revised sentence reads: “State measures’ refer to measures that are adopted, implemented, and enforced as a matter of state law.” This change provides accuracy and consistency with the preamble. State measures are not restricted to measures that are implemented by the state and may be implemented by other entities.
53. Page 910 – Revised “In addition to providing states the option of developing an emission standards or state measures type plan, the final rule makes clear that states that choose an emission standards plan can adopt either a rate-based or mass-based CO<sub>2</sub> emission goal.” The revised sentence reads: “In addition to providing states the option of developing an emission standards or state measures type plan, the final rule makes clear that states that choose an emission standards plan can adopt a plan that meets either the CO<sub>2</sub> emission performance rates, a rate-based CO<sub>2</sub> emission goal, or a mass-based CO<sub>2</sub> emission goal.” This is for consistency with the preamble and regulatory text, to reflect that states may adopt a plan that meets either the emission performance rates, the rate-based goal, or the mass-based goal.
54. Page 924, footnote 793 – Replaced “include” with “involve” and added “, under state law,” to read: “For example, a state plan designed to meet a state mass-based CO<sub>2</sub> goal for affected EGUs plus a new source complement could involve a mass-based emission budget trading program that, under state law, applies to both affected EGUs, as well as new fossil fuel-fired EGUs.” These edits provide clarification and consistency with the preamble and reg text. An emission budget that involves new sources is not “included” in a state plan, but rather relied upon by the state as a matter of state law to meet state plan obligations.
55. Page 929, footnote 795 – Removed footnote. It is redundant of footnote 782, page 909.
56. Pages 933, 934, 936, 1020, 1021, 1097, 1103, and 1104 – Added “state measures” after “programmatic” to clarify that the programmatic milestones are for implementation of state measures.

57. Page 934 – Added “CO<sub>2</sub> emission performance rates or” and “rate- or” to the sentence, to read: “These federally enforceable emission standards must be designed such that compliance by affected EGUs with the emission standards would achieve the CO<sub>2</sub> emission performance rates or state’s rate- or mass-based interim and final goals for affected EGUs.” Added language clarifies that the backstop can be designed to achieve the emission performance rates, the state rate-based goal, or the state mass-based goal.
58. Page 934 – Deleted “(in mass)” from “The backstop emission standards must specify CO<sub>2</sub> emission performance levels (in mass)-that would apply for the interim plan performance period...” This edit provides consistency with the preamble and regulatory text. The backstop emission standards may meet the emission performance rates, the rate-based goal, or the mass-based goal. While the state measures plan is restricted to achieving the mass-based goal prior to the triggering of the backstop, the backstop itself is not so restricted.
59. Page 959 – Deleted the paragraph “Our interpretation of the phrase “provides for implementation and enforcement of [the] standards of performance” in the context of the integrity of a trading system for allowances under a mass-based approach is further explained in the Legal Memorandum.” The Legal Memorandum does not include the referenced discussion.
60. Page 973 – Corrected by replacing “intended emission performance levels” with “state’s mass-based CO<sub>2</sub> emission goal.” The revised sentence reads: “As part of the state measures approach, the EPA is finalizing a requirement for a federally enforceable backstop, which requires the affected EGUs to meet emission standards that fully achieve the CO<sub>2</sub> emission performance rates or the state’s CO<sub>2</sub> emission goal if the state measures do not meet the state’s mass-based CO<sub>2</sub> emission goal.” This edit provides clarification and consistency with the rest of the preamble and regulatory text. State measures must result in the achievement of a state’s mass based goal, but sentence may create confusion by ambiguously referring to emission performance levels rather than the mass goal.
61. Page 976 – Replaced “A state implementing a state measures approach plan type must submit a plan that meets the state mass-based CO<sub>2</sub> goal for affected EGUs.” Replaced with: “A state implementing a state measures approach plan type must submit a plan where the state measures, in conjunction with any emission standards on the affected EGUs, result in achievement of the state mass-based CO<sub>2</sub> goal for affected EGUs. The backstop required to be submitted as part of a state measures plan may achieve the CO<sub>2</sub> emission performance rates for affected EGUs or the state rate-based or mass-based CO<sub>2</sub> emission goal.” This edit provides clarification and consistency with the rest of the preamble and regulatory text. The backstop emission standards may meet either the emission performance rates, the rate-based goal, or the mass-based goal. While the state measures plan is restricted to achieving the mass goal prior to the triggering of the backstop, the backstop itself is not so restricted
62. Page 985 – Corrected “fuel CO<sub>2</sub> content” to “fuel carbon content”
63. Page 990 – Replaced “included in” with “relied upon for” in the sentence, to read: “The state would show that the emissions budget trading program relied upon for the state measures plan, as well as any other state measures,...” This edit provides clarification and

- consistency with the rest of the preamble and regulatory text. A state measure is not “included” in a state plan, which would make such measure federally enforceable, but rather relied upon by the state as a matter of state law to meet state plan obligations.
64. Page 996 – Added “mass” as a clarification to “If the state is adopting and implementing the state measures approach, the state must also maintain records of all data regarding implementation of each state measure and all data used to demonstrate achievement of the mass CO<sub>2</sub> emission goal and such data must meet the requirements of the emission guidelines.”
  65. Page 1003 – Added “rate-based or mass-based” to “The state plan submittal must indicate whether the plan is designed to meet the CO<sub>2</sub> emission performance rates or the state rate-based or mass-based CO<sub>2</sub> emission goal.” This edit provides clarification and consistency with the rest of the preamble and regulatory text.
  66. Page 1003 – Added “submittal” to the sentence, to read: “Each state plan submittal must identify the emission performance rates or rate-based or mass-based CO<sub>2</sub> emission goal that must be achieved....” This clarifies that it is the state plan submittal that must identify the emission performance rates or state goal.
  67. Page 1007 – Deleted “the emission standards in” from “enforceable emission standard, the emission standard, the emission standards in the state plan must...” so that the sentence reads: “For state plans in which affected EGUs may rely upon the use of ERCs for meeting a rate-based federally enforceable emission standard, the state plan must include requirements addressing the issuance, tracking and use for compliance of ERCs consistent with the requirements in the emission guidelines.” This is inadvertent extraneous text. The state plan, not the emission standards, must include requirements regarding ERC issuance if the state allows affected EGUs to use ERCs for achieving reductions.
  68. Page 1015 – Added “for the state measures and any emission standards on the affected EGUs prior to the triggering of the backstop” to the second sentence as shown: “The EPA is finalizing requirements that a final plan submittal using the state measures approach must contain the following components, in addition to the components discussed in section VIII.D.2.a. We note again that states choosing the state measures plan type must use a mass-based state goal for the state measures and any emission standards on the affected EGUs prior to the triggering of the backstop.” This edit provides clarification and consistency with the rest of the preamble and regulatory text. While the state measures plan is restricted to achieving the mass goal prior to the triggering of the backstop, the backstop itself is not so restricted.
  69. Page 1020 – Replaced “included” with “described” and added “the supporting documentation of” to read: “...milestones with specific dates for achievement should be appropriate to the state measures described in the supporting documentation of the state plan submittal.” This edit provides clarification and consistency with the rest of the preamble and regulatory text. A state measure is not “included” in a state plan, which would make such measure federally enforceable.
  70. Page 1022 – Added “affected” and “emission performance rates or mass-based or rate-based” as shown: “In the event of such an exceedance under the state measures approach, the backstop federally enforceable emission standards for the affected EGUs must be effective within 18 months of the deadline for the state reporting to the EPA on plan implementation and progress toward meeting the emission performance rates or mass-

based or rate-based state CO<sub>2</sub> emission goal.” The qualifier of “affected” in front of EGU is for consistency with the preamble and regulatory text. The other additional edit provides clarification and consistency with the preamble and regulatory text. While the state measures plan is restricted to achieving the mass goal prior to the triggering of the backstop, the backstop itself is not so restricted.

71. Page 1022, footnote 833 – Deleted this footnote entirely: “State measures” refer to measures that the state adopts and implements as a matter of state law. Such measures are enforceable only per applicable state law, and are not included in the federally enforceable state plan.” This is not necessary, as “state measures” is defined in the preamble previously, and the prior definition has also undergone technical correction.
72. Page 1024 – Added “mass-based” as follows: “The EPA will disapprove a state plan if the documentation is not sufficient for the EPA to be able to determine whether the state measures are expected to yield CO<sub>2</sub> emission reductions sufficient to result in the necessary CO<sub>2</sub> emission performance from affected EGUs for the mass-based state CO<sub>2</sub> emission goal to be achieved.” This edit provides clarification and consistency with the rest of the preamble and regulatory text.
73. Page 1026, footnote 836 – Deleted “For a detailed discussion of the specific legal basis for each component, please see the Legal Memorandum for this final rule.” The Legal Memorandum does not include the referenced discussion.
74. Page 1040 – Added “a maximum of” between “would have” and “an additional” for clarification, accuracy and consistency with the federal plan proposal, to read “For states that do not intend to submit a state plan to meet the obligations of this final rule, by promulgating a federal plan for affected EGUs in states that do not submit a plan by September 6, 2016, such affected EGUs would have a maximum of an additional 2 years to plan for and determine compliance strategies than had promulgation of a federal plan been predicated on states failing to submit a plan by September 6, 2018.”
75. Page 1057 – Replaced “grant the extension” with “review the submittal,” to read: “If a state seeks an extension by submitting an appropriate initial submittal addressing the three required components as described above by September 6, 2016, the EPA will review the submittal.” This edit is for consistency with the preamble. Sec. VIII.E makes clear that an extension will be deemed granted if there is no further notification by EPA after 90 days of receipt of initial submittal, but this sentence erroneously contradicts preamble and suggests EPA will take some affirmative action to grant the extension.
76. Pages 1058-1059 – Deleted the sentence “This progress update must demonstrate that state is meeting any steps and schedule it outlined in its initial submittal.” This is a correction for consistency with the preamble.
77. Page 1068 – Corrected by replacing “statutory” with “regulatory” and deleting “no later than 1 year” from: “Upon a finding of failure to submit for a state, a statutory clock will run requiring the EPA to promulgate a federal plan for such state no later than 1 year after the EPA makes the finding unless the state submits, and the EPA approves, a state plan during this time.” A 1-year clock is not part of this final rule. A 1-year clock is being proposed in the CAA section 111(d) federal plan proposed rule. The federal plan clock under CAA section 111(d) is a regulatory clock, not a statutory one.
78. Page 1071 – Added “the emission performance rates” to the sentence, to read: “However, an approved multi-state plan modification may only take effect at the beginning of a new

interim or final plan performance period. These requirements are necessary to ensure that the emission performance rates or state rate-based or mass-based CO<sub>2</sub> goals in the emission guidelines are achieved.” This edit provides clarification and consistency with the rest of the preamble and regulatory text. Multi-state plans may meet the performance rates.

79. Page 1088 – Deleted “same” from “same standard” so that the revised sentence reads: “We believe that our proposal was unclear as to this point, and we agree that the standard for revisions should be the same as for submittals.”
80. Page 1134 – Changed “to” to “for” in “and then requiring better-than-BSER from some facilities to make up for worse-than-BSER performance.”
81. Pages 1134-1135, footnote 861 – Revised “In effect, the presence of trading means that the EGU performance rates will be achieved on average by the EGUs involved in trading, rather than be achieved by each facility in the absence of trading.” Revised sentence reads: “In effect, the presence of trading means that the EGU performance rates can be achieved by each EGU involved in trading.” This edit eliminates inaccuracy and improves clarity.
82. Page 1136 – Revised “do” to “may” to read: “Heat rate improvements at affected EGUs may require capital investments.” This correction is needed for accuracy.
83. Page 1156 – Added “provision of” to “The EPA does not believe a state that establishes standards of performance for affected EGUs without taking reliability concerns into consideration satisfactorily provides for the implementation of such standards of performance as required by CAA section 111(d)(1)(B), as a serious reliability issue would disrupt the state's provision of implementation of the state plan.” This edit adds a missing word and provides consistency with the preamble and regulatory text. The state provides for implementation of the state plan but does not necessarily implement the requirements of the state plan.
84. Page 1169 – Deleted “incorporate the leel of flexibility that” from: “As discussed earlier, we are providing states with the flexibility to design programs that incorporate the level of flexibility that allow affected EGUs to meet compliance obligations while responding to reliability needs, even in emergency situations.” This edit removes redundant text and provides clarity.
85. Page 1173, footnote 875 – Corrected citation by adding “with Projections to 2040, April 2015” and removing “PRIL 2015” so that the citation reads: “EIA, Annual Energy Outlook 2015 with Projections to 2040, April 2015.”
86. Page 1193 – Corrected citation to reporting requirements for sources that use CCS by removing reference to 60.46Da(h)(5) and revising “60.5555(d)” to read “60.5555(f).”
87. Page 1219, Table 14 – Corrected last digit in value in final column for Arizona by replacing “6” with “7” (i.e., 32,380,197).
88. Page 1221 – Deleted the second occurrence of “the state must” from: “In the supporting documentation for the state plan submittal, the state must specify the new source budget, specify the analysis used to derive such a new source CO<sub>2</sub> emission complement, and the state must demonstrate that under the state plan affected EGUs in the state will meet the state mass-based CO<sub>2</sub> goal for affected EGUs as a result of being regulated under the

broader CO<sub>2</sub> emission cap that applied to both affected EGUs and new sources.” This is a grammatical correction.

89. Page 1234 – Revised “...the state would be required to include a demonstration, in its state plan submittal, of how its plan would achieve the state mass-based CO<sub>2</sub> goal...” to read “...the state would be required to include a demonstration, in its state plan submittal, of how its state measures, in conjunction with any emission standards on affected EGUs, would achieve the state mass-based CO<sub>2</sub> goal...” This edit is for consistency with the preamble and regulatory text. While the state measures plan is restricted to achieving the mass goal prior to the triggering of the backstop, the backstop itself is not so restricted.
90. Page 1237 – Replaced “regulatory provisions” with “requirements” to read: “This type of state plan would include requirements that enable affected EGUs to use allowances issued in other states for compliance under the state’s emission budget trading program.” This edit is for consistency with the preamble and regulatory text.
91. Page 1237, footnote 926 – Replaced “regulatory provisions” with “requirements” in two places, to read: “The emission standards in each individual state plan must include requirements that address the issuance of CO<sub>2</sub> allowances and tracking of CO<sub>2</sub> allowances from issuance through use for compliance. The description here addresses how those requirements will be implemented through the use of a joint tracking system, interoperable tracking systems, or an EPA-administered tracking system. This edit is for consistency with the preamble and regulatory text.
92. Page 1246 – Deleted footnote 934 since the definitions of net “imports” and “exports” of CO<sub>2</sub> allowances are provided in the text.
93. Page 1251 – Added “incremental NGCC and” before “RE” so that the sentence reads: “This includes incremental NGCC and RE measures included in the EPA’s determination of the BSER...” This edit is for consistency with the preamble and regulatory text.
94. Page 1254 – Added “This includes reduced generation from affected EGUs that emit below a specified CO<sub>2</sub> emission rate” as shown: “All of the measures described in this section will substitute for generation from affected EGUs or avoid the need for generation from affected EGUs, thereby reducing CO<sub>2</sub> emissions. This includes reduced generation from affected EGUs that emit below a specified CO<sub>2</sub> emission rate, RE measures...” This edit is for consistency with the preamble and regulatory text.
95. Page 1255 – Replaced “the one component” with “one of the components” to read: “This approach for adjusting a CO<sub>2</sub> emission rate corresponds with how RE, one of the components of the BSER that involves adjustment of a CO<sub>2</sub> emission rate, is represented in the CO<sub>2</sub> emission performance rates in the emission guidelines.” This correction is necessary for accuracy.
96. Page 1264 – Added “incremental NGCC generation in building block 2. It also aligns with” as shown: “This eligibility criterion aligns with incremental NGCC generation in building block 2. It also aligns with RE generation in building block 3 of the BSER...” This correction is necessary for accuracy and for consistency with the preamble and regulatory text.
97. Page 1278, footnote 955 – Added “2014” to clarify that it is the 2014 inventory.
98. Page 1280 – Revised the references to the ASTM method from “ASTM D-6866-06” to “ASTM D-6866-12” to reference the more recent version of the method.
99. Page 1309 – Deleted “To account for incremental generation for a NGCC stationary combustion turbine to generate ERCs” from: “To account for incremental generation for

- a NGCC stationary combustion turbine to generate ERCs in a subcategorized rate-based emission trading program, a state must use the incremental operation of an affected NGCC unit quantified for building block 2 to allow a NGCC unit to generate ERCs based on its expected incremental generation.”). Deleted phrase is repetitive.
100. Page 1312, footnote 987 – Added “incremental NGCC,” before “RE,” to read: “Qualifying measures that can be used to adjust the CO<sub>2</sub> emission rate of an affected EGU are discussed at section VIII.K.1, and include incremental NGCC, RE, demand-side EE,....” This correction is needed for accuracy and for consistency with the preamble and regulatory text.
  101. Page 1318 – Deleted “by the administering state regulatory body” from “State requirements must include provisions to ensure that ERCs issued to any eligible entity are properly tracked from issuance to submission by affected EGUs for compliance (where ERCs are “surrendered” by the owner or operator of an affected EGU and “retired” or “cancelled” by the administering state regulatory body), to ensure they are only used once to meet a regulatory obligation.” This correction is needed for consistency with the regulatory text.
  102. Page 1320 – Deleted “actually” prior to “represents” and added “actual” prior to “energy generation,” to read: “...provisions making clear that an affected EGU may only demonstrate compliance with an ERC that represents the one MWh of actual energy generation or savings that it purports to represent and otherwise meets the emission guidelines.” This change makes the preamble and regulatory text consistent.
  103. Page 1336, footnote 1007 – Deleted “As noted above in section VIII.C.6” to remove an incorrect section reference.
  104. Page 1340, footnote 1012 – Replaced “state’s” with “state plan’s” in: “Under an individual state plan, ERCs could be issued for RE and demand-side EE measures that occur in other states, provided the EE/RE provider submits the measures to the state and the measures meet requirements in the state plan’s rate-based emission trading program requirements.” This edit is for clarification and consistency with the preamble and the regulatory text.
  105. Page 1347 – Deleted incorrect text “MWh-based general” from: “In this final rule, the MWh-based general accounting approaches for both mass-based and rate-based plans have been specifically designed to eliminate the risk of double counting of reductions.” The inclusion of the phrase “MWh-based general” in this sentence is an error because this sentence is discussing accounting generally under both the rate-based and mass-based context, and the latter does not use MWh-based accounting.
  106. Page 1351 – Replaced “its reported” with “the reported” to read “... the accounting method for adjusting the CO<sub>2</sub> emission rate only counts the MWhs generated by a measure to adjust the MWh in the denominator of the reported CO<sub>2</sub> emission rate.” Without the correction, it is unclear what “its” refers to.
  107. Page 1399 – Added citation “(42 U.S.C. §§ 6941-6949a)” after “the Resource Conservation and Recovery Act,” and moved “Subtitle D” to follow “the Resource Conservation and Recovery Act,” to read “Resource Conservation and Recovery Act, Subtitle D (42 U.S.C. §§ 6941-6949a)”
  108. Page 1418 – Corrected rule title to include “emission.” The correct title is: “Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards.”

109. Page 1418 – Corrected the docket ID referenced in this text to “EPA-HQ-OAR-2010-0799” in place of “EPA-HQ-OAR-2009-4782” and moved entire revised reference to a footnote (new footnote 1046).
110. Throughout the preamble, added web addresses, where not already included, for publicly available documents. This is to ensure easy access to the cited documents. The list of web addresses added is provided at the end of this attachment.

## Regulatory Text

The following corrections have been made throughout the regulatory text of the Clean Power Plan to ensure clarity and consistency with the preamble. The corrections are listed with page numbers and section references.

- Throughout the regulation – Added “affected” before “EGUs” to add clarity that the text is applicable to only “affected EGUs”.
- Throughout the regulation – Added “CO<sub>2</sub>” before “emissions” to add clarity.
- Throughout the regulation – Added “CO<sub>2</sub> emission” before “goal” to add clarity.
- Throughout the regulation – Added “of this section” after a paragraph reference to add clarity.
- Page 1501 (60.5720) – Deleted “except that under §60.27(d) the EPA will have one year to promulgate a Federal plan for your State from the date EPA finds you failed to submit a plan or EPA disapproves your plan” so the first sentence now reads “If you do not submit an approvable plan the EPA will develop a Federal plan for your State according to §60.27.”
- Page 1502 (60.5730) – Added “, when promulgated by the EPA,” after “contained in this subpart”.
- Page 1503 (60.5736) – Added “No.” before the first sentence.
- Page 1504 (60.5737(a)) – Replaced “2020 and 2021” with “2020 and/or 2021”.
- Page 1504 (60.5737(a)(2)) – Added “either” after “and” at the end of the paragraph.
- Page 1504 (60.5737(b)) – Added “match” before “limit”.
- Page 1505 (60.5737(b)(2)) – Added “from the State” after “two early action ERCs (or the equivalent number of allowances)”.
- Page 1505 (60.5737(c)) – Replaced “2020 and 2021” with “2020 and/or 2021.”
- Page 1505 (60.5737(d)) – In two instances in paragraph (d), added “and you intend to participate in the CEIP,” after the date “September 6, 2016.”
- Page 1506 (60.5737(d)) – Replaced in 2 instances in paragraph (d) “its” with “your”.
- Page 1506 (60.5737(e)) – Replaced “Your final State plan, or plan revision if applicable, must require that projects eligible to be awarded under this program be evaluated, monitored, verified, and issued per applicable requirements of the State plan approved by the EPA as meeting §60.5805 through §60.5835.” with “If you intend to participate in the CEIP, your final State plan, or plan revision if applicable, must require that projects eligible under this program be evaluated, monitored, and verified, and that resulting ERCs or allowances be issued, per applicable requirements of the State plan approved by the EPA as meeting §60.5805 through §60.5835.”
- Page 1508 (60.5740(a)(2)(ii)) – Added missing reference to paragraph (a)(2)(iii).
- Page 1509 through 1513 (60.5740) – Replaced “adjustments for net CO<sub>2</sub> allowances “imports” or exports”” with “net allowance export or import adjustments”.
- Page 1509 (60.5740(a)(2)(ii)(D)) – Replaced “(if applicable)” with “(as applicable)”.
- Page 1510 (60.5740(a)(2)(ii)(H)) – Added “allowance” before “import” and “export”.
- Page 1510 (60.5740(a)(2)(ii)(H)) – Replaced “added to” with “subtracted from” in the second sentence so it reads “This adjustment is subtracted from reported CO<sub>2</sub> emissions.” and replaced “subtracted from” with “added to” in the fifth sentence so it reads “This adjustment is added to reported CO<sub>2</sub> emissions.”

- Page 1510 (60.5740(a)(2)(iii)) – Replaced “include the information in paragraph (a)(3)” with “include the requirements in paragraph (a)(3)”
- Page 1511 (60.5740(a)(2)(iv)) – Deleted “are” after “State measures” and “to meet” after “achievement of” so the sentence reads “If your plan requires emission standards in addition to relying upon State measures, then you must demonstrate that the emission standards and State measures, when taken together, result in the achievement of the applicable mass-based CO<sub>2</sub> emission goal described in §60.5855 by your State’s affected EGUs.”
- Page 1511 (60.5740(a)(3)) – Replaced “If your plan relies upon State measures, you must submit, as part of the plan” with “If your plan relies upon State measures, you must submit in lieu of the requirements in paragraph (a)(2)(i) and (ii), as part of the plan”; replaced “modification of” with “later plan revision to modify”; and add “, as applicable” at the end of the final sentence in the paragraph.
- Page 1512 and 1513 (60.5740(a)(3)(i) and (iii)) – Replaced “A trigger” with “You must include a trigger”
- Page 1514 (60.5745(a)(2)) – Replaced “CO<sub>2</sub> emission performance goals” with “CO<sub>2</sub> emission goals”.
- Page 1515 (60.5745(a)(5)(i)) – Added “or uniform rate-based CO<sub>2</sub> emission standards equal to or lower than the rate-based CO<sub>2</sub> emission goals listed in Table 2 of this subpart” after “Table 1 of this subpart” .
- Page 1517 (60.5745(a)(5)(ii)(E)) – Replaced “based on power purchase agreements or related documentation” with “consistent with §60.5800(a)”.
- Page 1517-1518 – (60.5745(a)(5)(iv)) – Replaced “do not meet the requirements of paragraph (a)(5)(iii)” with “cumulatively exceed the State’s EPA-specified mass CO<sub>2</sub> emission goal, then”.
- Page 1517 (60.5745(a)(5)(iv)) – Deleted “and emission budgets for affected EGUs during the interim period and final periods that are equal to or lower than the applicable State mass-based CO<sub>2</sub> goals specified in Table 3 of this subpart.” So the second sentence reads as “This demonstration includes the information listed in paragraph (a)(5)(v) of this section.”
- Page 1519 (60.5745(a)(5)(v)(H)) – Replaced “or” with “and” in the first sentence.
- Page 1519 (60.5745(a)(5)(v)) – Moves Paragraph (K) to (a)(6)(iv) as subparagraph (C) of that paragraph.
- Page 1520 (60.5745(a)(6)(i)) – Added “subject to or” before “implementing such State measures”.
- Page 1521 (60.5745(a)(6)(iv)) Replaced “You must include a CO<sub>2</sub> performance projection of your State measures that shows how the measures will achieve the future CO<sub>2</sub> performance at affected EGUs. Elements of this projection must include the following for the interim period and the final period:” with “You must include a CO<sub>2</sub> performance projection of your State measures that shows how the measures, whether alone or in conjunction with any federally enforceable CO<sub>2</sub> emission standards for affected EGUs, will result in the achievement of the future CO<sub>2</sub> performance at affected EGUs. Elements of this projection must include those specified in paragraph (a)(5)(v), as applicable, and the following for the interim period and the final period :”.
- Page 1521-1522 (60.5745(a)(6)) – Deleted paragraphs (a)(6)(iv)(C), (a)(6)(iv)(D), and (a)(6)(v).
- Page 1522 (60.5745(a)(7)) – Added “in the development of your plan” after “considered”.

- Page 1522 (60.5745(a)(9)) – Changed “or” to “, and”.
- Page 1523 (60.5745(a)(10)) – Added “if applicable” in the paragraph.
- Page 1523 (60.5745(a)(11)) – Added reference to 60.23(d).
- Pages 1523-1524 (60.5745(a)(13)(i)) – Replaced “Materials demonstrating the State's legal authority to carry out each component of its plan, including emissions standards or State measures;” with “Materials demonstrating the State's legal authority and funding to implement and enforce each component of its plan, including emissions standards and/or State measures that the plan relies upon”.
- Page 1525 (60.5750(a)(2)) – Added “mass” after “will be total” and add “, representing the sum of all individual mass CO<sub>2</sub> goals for states participating in the multi-state plan” at the end of the sentence.
- Page 1526 (60.5750(c)) – Replaced “If a” with “If your” in the second sentence.
- Page 1527 (60.5750(d)) – Added “and meet the requirements of paragraphs (d)(1) and (2) of this section, as applicable” at the end of the sentence.
- Pages 1529-1530 (60.5765(b)) – Replaced the last sentence “If a State submits an initial submittal, an extension for a final State plan submittal is considered granted and a final State plan submittal is due according to §60.5760(b) unless a State is notified within 90 days of the EPA receiving the initial submittal that the EPA finds the initial submittal does not meet the requirements listed in paragraph (a) of this section and the State has failed to submit the final plan required by September 6, 2016.” with two sentences “If a State submits an initial submittal, an extension for a final State plan submittal is considered granted and a final State plan submittal is due according to §60.5760(b) unless a State is notified within 90 days of the EPA receiving the initial submittal that the EPA finds the initial submittal does not meet the requirements listed in paragraph (a) of this section. If the EPA notifies the State that the initial submittal does not meet such requirements, the EPA will also notify the State that it has failed to submit the final plan required by September 6, 2016”.
- Page 1532 (60.5770(d)) – Replaced “period for achievement of each State measure” with “performance periods”.
- Page 1532 (60.5775(a)) – Added “included” before “under your plan”, “demonstrated to be” before “quantifiable”, and “submittal” after “The plan”.
- Page 1533 (60.5775(e)) – Deleted “or” before “unless”.
- Page 1534 (60.5780(a)) – Added “e.g.,” to the parenthetical
- Page 1535 (60.5780(a)(4)) – Added “either” after “unless, and replace “its CO<sub>2</sub> emission performance rates” with “ their mass-based CO<sub>2</sub> emission goal”.
- Page 1536 (60.5785(a)) – Added “EPA- approved” at the beginning of the first sentence and replace, in 3 instances, “CO<sub>2</sub> emission performance rates” with “CO<sub>2</sub> emission performance rates or CO<sub>2</sub> emission goals”.
- Pages 1536-1537(60.5785(b)) – Reworded paragraph (b) and deleted sub paragraphs (1) and (2) to point to a cross reference rather than including provisions in sub paragraph (1) and (2) that reads “You may submit revisions to a plan to adjust CO<sub>2</sub> emission goals according to §60.5865(d).”
- Page 1537 (60.5785 (c)) – Replaced “exceedance” with “CO<sub>2</sub> emission performance deficiency”.
- Page 1538 (60.5785 (d)) – Replaced “State triggers the backstop” with “backstop is triggered”.

- Page 1539 (60.5785(e)(1)) – Added “originally” before “approved State plan will not be counted”.
- Page 1540 (60.5790(a)) – Replaced” To meet your plan obligations, you must demonstrate that your affected EGUs are complying with their emission standards as specified in §60.5740, and you must demonstrate that the emission standards on affected EGUs in conjunction with any State measures are resulting in achievement of the CO<sub>2</sub> emission performance rates or statewide CO<sub>2</sub> emission goals using the procedures in paragraphs (b) through (d) of this section. If your plan requires the use of allowances for your affected EGUs to comply with their emission standards, you must follow the requirements under paragraph (b) of this section and §60.5830. If your plan requires the use of ERCs for your affected EGUs to comply with their emission standards, you must follow the requirements under paragraphs (c) and (d) of this section and §§60.5795 through 60.5805.” with “To meet your plan obligations, you must demonstrate that your affected EGUs are complying with their emission standards as specified in §60.5740, and you must demonstrate that the emission standards on affected EGUs, alone or in conjunction with any State measures, are resulting in achievement of the CO<sub>2</sub> emission performance rates or statewide CO<sub>2</sub> emission goals by affected EGUs using the procedures in paragraphs (b) through (d) of this section. If your plan requires the use of allowances for your affected EGUs to comply with their mass-based emission standards, you must follow the requirements under paragraph (b) of this section and §60.5830. If your plan requires the use of ERCs for your affected EGUs to comply with their rate-based emission standards, you must follow the requirements under paragraphs (c) and (d) of this section and §§60.5795 through 60.5805.”
- Page 1541 (60.5790(b)(5)) – Replaced “Requirements that address increased emissions from new sources, beyond the emissions expected from new sources if existing EGUs were given standards of performance in the form of the subcategory-specific emission performance rates. You may meet this requirement by requiring one of the options under paragraphs (b)(5)(i) through (iii).” with“(5) Requirements that address potential increased CO<sub>2</sub> emissions from new sources, beyond the emissions expected from new sources if affected EGUs were given emission standards in the form of the subcategory-specific CO<sub>2</sub> emission performance rates. You may meet this requirement by requiring one of the options under paragraphs (b)(5)(i) through (iii) of this section.”
- Page 1541 (60.5790(b)(5)(i)) – Replaced “regulating emissions from existing affected EGUs and emissions” with “regulating CO<sub>2</sub> emissions”.
- Page 1542 (60.5790(b)(5)(ii)) – Replaced “existing or new sources” with “to affected EGUs or EGUs covered by subpart TTTT of this part that result in the affected EGUs meeting the mass-based CO<sub>2</sub> emission goal;”.
- Page 1542 (60.5790(b)(5)(iii)) – Replaced “an approvable” with “for the EPA’s approval, an”.
- Page 1543 (60.5790(c)(1)) – Replaced the equation term from “CO<sub>2</sub> emission rate = An affected EGU’s calculated CO<sub>2</sub> emission rate that will be used to determine compliance with the applicable CO<sub>2</sub> emission standard.” to “CO<sub>2</sub> emission rate = An affected EGU’s adjusted CO<sub>2</sub> emission rate that will be used to determine compliance with the applicable CO<sub>2</sub> emission standard.”
- Page 1544 (60.5790(c)(3)) – Replaced “achievement of its State measure” with “achievement of a CO<sub>2</sub> emission performance rate or CO<sub>2</sub> emission goal”.
- Page 1545 (60.5790) – Deleted paragraph (d).

- Page 1545 (60.5795(a)) – Replaced “For issuance of ERCs to affected EGUs” with “For issuance of ERCs to the affected EGUs that generate them”.
- Page 1546 (60.5795(a)(1)) – Replaced “that may be issued” with “that may be generated by and issued” and add “reported” before “CO<sub>2</sub> emission rate”.
- Page 1547 (60.5800(a)) – Replaced “an eligible resource that” with “a resource that qualifies as an eligible resource because it”.
- Page 1547 (60.5800(a)) – Replaced “increased new installed electrical generation nameplate capacity, or new electrical savings measures installed or implemented on or after January 1, 2013” with “installed electrical generation nameplate capacity, or implemented new electrical savings measures, on or after January 1, 2013.”
- Page 1548 (60.5800(a)(3)) – Replaced “is” with “must be”.
- Page 1548 (60.5800(a)(3)(ii)) – Replace “mass-based emission standards, and the resource can demonstrate” with “mass-based CO<sub>2</sub> emission goal, and the resource can demonstrate”
- Page 1548 (60.5800(a)(3)(ii)) – Replaced “In this situation” with “Notwithstanding any other provision of paragraph (a)(4) of this section,”.
- Page 1549 (60.5800(c)) – Added “or for” after “to”.
- Page 1550 (60.5800(c)(3)) – Added “, for example,” after “including”.
- Page 1551 (60.5800(d)(2)) – Replaced “their” with “the”.
- Pages 1551-1552 (60.5800(e)) – Replaced “included in this section” with “and the issuance of ERCs included in these emission guidelines, except that such States and other countries may not provide ERCs from resources described in §60.5800(a)(4)(vi).”
- Page 1553 (60.5805(b)) – Deleted “of eligible resources” from paragraph heading and replace “issuance” with “issuance of ERCs”.
- Page 1553 (60.5805(c)(2)) – Replaced “of” with “for”.
- Page 1554 (60.5805(i)(1)(B)) – Added “eligibility applications,” before “EM&V plans”.
- Page 1554 (60.5805(i)(2)) – Added “eligibility applications,” before “EM&V plans”.
- Page 1556 (60.5815(b)) – Deleted “for each affected EGU”.
- Page 1556 (60.5815(f)) – Replaced “emissions” with “allowances”.
- Page 1557 (60.5820(a)(2)) – Added “, if applicable,” after “set aside allowances”.
- Page 1557 (60.5820(b)) – Replaced “ERC” with “allowance”.
- Page 1557 (60.5825(a)) – Replaced “A plan must require affected EGUs owners and operators to demonstrate compliance with emission standards in a mass based program by holding an amount not less than the tons of total CO<sub>2</sub> emissions for such compliance period from all affected EGUs at the facility in the account for the affected EGU’s emissions in the allowance tracking system required under 60.5820 during the applicable compliance period.” with “A plan must require an affected EGU’s owners or operators to demonstrate compliance with emission standards in a mass based program by holding an amount of allowances not less than the tons of total CO<sub>2</sub> emissions for such compliance period from the affected EGUs in the account for the affected EGU’s emissions in the allowance tracking system required under 60.5820 during the applicable compliance period.”
- Page 1558 (60.5825(b)) – Added “the CO<sub>2</sub> emissions of” after “to cover”.
- Page 1559 (60.5830(b)) – Deleted “and its applicable approved eligibility application”.
- Pages 1559-1560 (60.5830(c)) – Revised all of paragraph (c) to include sub paragraphs (1) and (2). Additionally incorporate paragraph (d) of the section to be included in paragraph (c)(2). The revision reads as follows “(c) Your plan must require that an EM&V plan must

contain specific criteria, as applicable to the specific eligible resource.(1) For RE resources, your plan must include requirements discussing how the generation data will be physically measured on a continuous basis using, for example, a revenue-quality meter. (2) For demand-side EE, your plan must require that each EM&V plan quantify and verify electricity savings on a retrospective (ex-post) basis using industry best-practice EM&V protocols and methods that yield accurate and reliable measurements of electricity savings. Your plan must also require each EM&V plan to include an assessment of the independent factors that influence the electricity savings, the expected life of the savings (in years), and a baseline that represents what would have happened in the absence of the demand-side EE activity. Additionally, your plan must require that each EM&V plan include a demonstration of how the industry best-practices protocol and methods were applied to the specific activity, project, measure, or program covered in the EM&V plan, and include an explanation of why these protocols or methods were selected. EM&V plans must require eligible resources to demonstrate how all such best-practice approaches will be applied for the purposes of quantifying and verifying MWh results. Subsequent reporting of demand-side EE savings values must demonstrate and explain how the EM&V plan was followed.”

- Page 1561 (60.5835(b)(2)(iii)) – Replaced “EM&V report” with “EM&V plan”.
- Page 1562 (60.5840(b)) – Replaced “If a State does not submit, or EPA disapproves, a final plan or initial submittal to implement and enforce the emission guidelines contained in this subpart by September 6, 2016, the EPA will implement and enforce a Federal plan, as provided in §60.5720, to ensure that each affected EGU within the State that commenced construction on or before January 8, 2014 complies with all the provisions of this subpart.” with “If a State does not submit a final plan to implement and enforce the emission guidelines contained in this subpart, or an initial submittal for which an extension to submit a final plan can be granted, by September 6, 2016, or the EPA disapproves a final plan, the EPA will implement and enforce a Federal plan, as provided in §60.5720, applicable to each affected EGU within the State that commenced construction on or before January 8, 2014.”
- Page 1563 (60.5845(b)) – Added “, as applicable,” after “(b)(1) through (3)”.
- Page 1563 (60.5845(b)(1)) – Added “or generators” after “serves a generator”.
- Page 1563 (60.5845(b)(1)) – Replaced “nameplate capacity of 25 MW-net or greater” with “nameplate capacity greater than 25 MW-net”.
- Pages 1563-1564 (60.5850(a)(1)) – Deleted “ and those subject to subpart TTTT of this part as a result of commencing modification or reconstruction;”.
- Page 1564 (60.5850(a)(2)) – Replaced “Steam generating units and IGCC units that are currently and always have been subject” with “Steam generating units and IGCCs that are, and always have been, subject”.
- Page 1564 (60.5850(a)(5)) – Replaced “permit currently limiting and always historically limiting, annual net-electric sales to a utility distribution system to the design efficiency times the potential electric output, whichever is greater, or less” with “permit currently limiting, annual net-electric sales to no more than either 219,000 MWh or the product of the design efficiency and the potential electric output, whichever is greater”.
- Page 1565 (60.5855(a)) – Added “, except as provided in paragraph (b) of this section” to the end of the second sentence.
- Page 1566 (60.5855(c)) – Replaced “incorporates” with “meets”; add “(in the case of rate-based goals)” after “average”; add “(in the case of mass-based goals)” after “cumulatively”; and delete “elect to”.

- Page 1567 (60.5855(d)) – Replaced “incorporated” with “required to be met”.
- Page 1567 (60.5855(d)(1)) – Replaced “to make corrections to them, as a result of changes in the inventory of affected EGUs” with “to make corrections to them, subject to EPA’s approval, as a result of changes in the inventory of affected EGUs”.
- Page 1567 (60.5855(d)(2) and (3)) – Deleted paragraph (d)(2) and replaced “(3) If you elect to require your affected EGUs to meet emission standards or State measures, in addition to or in lieu of emission standards, to meet mass-based CO<sub>2</sub> emission goals in your plan, you may elect to incorporate the mass emissions from EGUs that are subject to subpart TTTT of this part that are considered new affected EGUs under subpart TTTT of this part.” with “(2) If you elect to require your affected EGUs to meet emission standards to meet mass-based CO<sub>2</sub> emission goals in your plan, you may elect to incorporate, as a matter of state law, the mass emissions from EGUs that are subject to subpart TTTT of this part that are considered new affected EGUs under subpart TTTT of this part.”
- Page 1568 (60.5855(e)) – Replaced “If your plan submittal requires your affected EGUs to meet” with “If your plan relies upon State measures”.
- Page 1568 (60.5855(f)) – Replaced “State measures” with “obligations under the State plan”
- Page 1570 (60.5860(a)(3)(i)) – Moved “However, when an O<sub>2</sub> monitor is used this way, it only quantifies the combustion CO<sub>2</sub>; therefore, if the EGU is equipped with emission controls that produce non-combustion CO<sub>2</sub> (e.g., from sorbent injection), this additional CO<sub>2</sub> must be accounted for, in accordance with section 3 of appendix G to part 75 of this chapter.” after the sentence that it originally preceded.
- Page 1581 (60.5860(c)(1)) – Deleted “compliance true-up period,”.
- Page 1581 (60.5860(c)(2)) – Added “, in a form suitable and readily available for expeditious review” to the end.
- Page 1582 (60.5860(d)(1)) – Added “emissions” after “CO<sub>2</sub>”.
- Page 1585 (60.5860(d)(6)) – Deleted “or State measures”.
- Page 1586 (60.5860(f)) – Replaced “owners and operator” with “the owner or operator”.
- Page 1588 (60.5865(a)) – Added “ State measures,” after “supporting documentation,” and “final CO<sub>2</sub> emission performance rates or CO<sub>2</sub>“ before “emissions goals are being achieved.”
- Page 1588 (60.5865(c)) – Deleted “or State measure”.
- Pages 1589, 1591, and 1592 (60.5870(b) and (c)) – Replaced three instances of “biennial” with “biennial”.
- Page 1592 (60.5870(b)(4)) – Replaced “The report must” with “If applicable, the report must”; in the second sentence replace two instances of “that” with “whether”; and replace “verifiers” with “independent verifiers”.
- Page 1592 (60.5870(c)) – Replaced “the annual year 2022 (January 1, 2022 to December 31, 2022)” with “2022” and add “for the preceding year or two years, as applicable” to the end of the last sentence of the paragraph.
- Page 1592 (60.5870(d)) – Added “, if applicable,” after “notification” and add “and were not previously submitted with your state plan,” after “If corrective measures are required”.
- Page 1594 (60.5870(f)) – Replaced “You must include in your 2029 report (which is due by July 1, 2030) the calculation of average emissions, cumulative sum of emissions, or adjusted emissions (as applicable) over the interim period” with “You must include in your 2029 report (which is due by July 1, 2030) the calculation of average CO<sub>2</sub> emissions rate,

cumulative sum of CO<sub>2</sub> emissions, or adjusted CO<sub>2</sub> emissions rate(as applicable) over the interim period”.

- Page 1598 (60.5875(c)) – Replaced “they” with “the official will”.
- Page 1600 (60.5880) – Added “TTTT,” to the intro paragraph after “in subparts”.
- Page 1600 (60.5880) – Replaced definition of Adjusted CO<sub>2</sub> emission rate “means the reported CO<sub>2</sub> emission rate of an affected EGU, adjusted as described in §60.5790(c)(1) to reflect any ERCs used by an affected EGU to demonstrate compliance with its CO<sub>2</sub> emission standards.” With “means (1) for an affected EGU, the reported CO<sub>2</sub> emission rate of an affected EGU, adjusted as described in §60.5790(c)(1) to reflect any ERCs used by an affected EGU to demonstrate compliance with its CO<sub>2</sub> emission standards; or (2) for a State (or states in a multi-state plan) calculating a collective CO<sub>2</sub> emission rate achieved under the plan, the actual CO<sub>2</sub> emission rate during a plan reporting period of the affected EGUs subject to the rate specified in the plan, adjusted by the ERCs used for compliance by those EGUs (total CO<sub>2</sub> mass divided by the sum of the total MWh and ERCs).”
- Page 1601 (60.5880) – Replaced definition of Allowance system “means a control program under which the owner or operator of each affected EGU is required to hold an authorization for each specified unit of CO<sub>2</sub> emitted from that facility during a specified period and which limits the total amount of such authorizations available to be held for CO<sub>2</sub> for a specified period and allows the transfer of such authorizations not used to meet the authorization-holding requirement.” with “means a control program under which the owner or operator of each affected EGU is required to hold an allowance for each specified unit of CO<sub>2</sub> emitted from that affected EGU or facility during a specified period and which limits the total amount of such allowances for a specified period and allows the transfer of such allowances.”
- Page 1603 (60.5880) – Deleted definition of “Common Practice Baseline” and “Control area operator”.
- Page 1603 (60.5880) – For the definition of “Compliance period,” deleted “Compliance periods for affected EGUs required in plans must meet the requirements of §60.5770.” from the definition.
- Page 1603 (60.5880) – Revised the definition of “Demand-side energy efficiency” to “Demand-side energy efficiency project” and replaced “existing equipment” with “an existing piece of equipment.”
- Pages 1604-1605 (60.5880) – Deleted definitions of “Design Efficiency”, “Essential Generating Characteristics” and “Existing State program, requirement, or measure.”
- Page 1605 (60.5880) – For the definition of “Fossil fuel,” deleted “(as defined in subpart TTTT of this part).”
- Page 1606 (60.5880) – For the definition of “Independent verifier,” replaced “(including any company, any corporate parent or subsidiary, any contractors or subcontractors, and the actual person)” with “(including any individual, corporation, partnership, or association)”.
- Page 1606 (60.5880) – For the definition of “Integrated gasification combined cycle facility,” deleted “facility” after “IGCC”.
- Page 1607 (60.5880) – Replaced Interim period definition from “the period of eight calendar years from January 1, 2022, to December 31, 2029. The interim period is composed of at least three interim steps, interim step 1, interim step 2, and interim step 3, and may be composed of more than three interim steps at your discretion, provided your first and second interim steps and no single interim step is longer than three calendar years each (with a

calendar year beginning on January 1 and ending on December 31), and your last interim step is no longer than two calendar years (with a calendar year beginning on January 1 and ending on December 31).” with “the period of eight calendar years from January 1, 2022, to December 31, 2029. The interim period is composed of three interim steps, interim step 1, interim step 2, and interim step 3.”

- Page 1607 (60.5880) – For the definition of “Interim step,” deleted “You must have at least three interim steps within the interim period. You may have more than three interim steps at your discretion, provided your first and second interim steps and no single interim step is longer than three calendar years each (with a calendar year beginning on January 1 and ending on December 31), and your last interim step is no longer than two calendar years (with a calendar year beginning on January 1 and ending on December 31).”
- Page 1608 (60.5880) – Replaced Nameplate capacity definition to read “*Nameplate capacity* means, starting from the initial installation, the maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer is capable of producing on a steady-state basis and during continuous operation (when not restricted by seasonal or other deratings) as of such installation as specified by the manufacturer of the equipment, starting...” with “*Nameplate capacity* means, starting from the initial installation, the maximum electrical generating output that a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer is capable of producing (in MWe, rounded to the nearest tenth) on a steady-state basis and during continuous operation (when not restricted by seasonal or other deratings) as of such installation as specified by the manufacturer of the equipment, or starting...”
- Page 1609 (60.5880) – For the definition of “Net allowance export/import,” deleted “respective” from the parenthetical.
- Page 1610 (60.5880) – Added definition “*Programmatic milestone* means the implementation of measures necessary for plan progress, including specific dates associated with such implementation. Prior to January 1, 2022, programmatic milestones are applicable to all state plan approaches and measures. Subsequent to January 1, 2022, programmatic milestones are applicable to state measures.”
- Page 1611 (60.5880) – In the State Measures definition, replaced “the State adopts and implements” with “are adopted, implemented, and enforced”.

## Web Addresses Added to the Preamble

- Page 84, footnote 18 –  
<http://epa.gov/climatechange/ghgemissions/usinventoryreport.html>
- Page 150, footnote 83 –  
<http://esm.versar.com/pprp/ceir13/toc.htm>
- Page 158, footnote 110 –  
<http://www.ferc.gov/CalendarFiles/20051110172953-FERC%20Staff%20Presentation.pdf>
- Page 159, footnote 111 –  
<http://www.ferc.gov/industries/electric/indus-act/joint-boards/final-cong-rpt.pdf>
- Page 195, footnote 218 –  
<https://www.whitehouse.gov/the-press-office/2013/06/25/remarks-president-climate-change>
- Page 418, footnote 407 –  
<http://www.nerc.com/pa/RAPA/ra/Reliability%20Assessments%20DL/2014SRA.pdf>
- Page 674, footnote 629 –  
<http://www.epa.gov/airmarkets/documents/ipm/coal-fired.pdf>
- Page 717, footnote 654 –  
[http://www.raponline.org/docs/RAP\\_Lazar\\_ElectricityRegulationInTheUS\\_Guide\\_2011\\_03.pdf](http://www.raponline.org/docs/RAP_Lazar_ElectricityRegulationInTheUS_Guide_2011_03.pdf)
- Pages 740-741, footnote 672 –  
<http://www.eia.gov/todayinenergy/detail.cfm?id=5050>;  
<http://www.ingaa.org/Foundation/Foundation-Reports/Studies/FoundationReports/45.aspx>; and  
<http://www.ingaa.org/File.aspx?id=14911>
- Page 760, footnote 688 –  
<http://www.nrel.gov/docs/fy12osti/51946.pdf>
- Page 760, footnotes 689 and 690 –  
[http://www.eia.gov/forecasts/aeo/pdf/0382\(2015\).pdf](http://www.eia.gov/forecasts/aeo/pdf/0382(2015).pdf)
- Pages 784-785, footnote 725 –  
[http://emp.lbl.gov/sites/all/files/2013\\_Wind\\_Technologies\\_Market\\_Report\\_Final3.pdf](http://emp.lbl.gov/sites/all/files/2013_Wind_Technologies_Market_Report_Final3.pdf);  
<http://energy.gov/epsa/downloads/grid-integration-and-carrying-capacity-us-grid-incorporate-variable-renewable-energy>; and,  
<http://www.nrel.gov/docs/fy13osti/55588.pdf>
- Page 873, footnote 765 –  
<http://www.nrel.gov/docs/fy13osti/57215.pdf>
- Page 1173, footnote 875 –  
[http://www.eia.gov/forecasts/aeo/pdf/0383\(2015\).pdf](http://www.eia.gov/forecasts/aeo/pdf/0383(2015).pdf)
- Page 1415, footnote 1043 –  
[https://www.fws.gov/ENDANGERED/esa-library/pdf/esa\\_section7\\_handbook.pdf](https://www.fws.gov/ENDANGERED/esa-library/pdf/esa_section7_handbook.pdf)
- Page 1416, footnote 1044 –  
<http://www.doi.gov/solicitor/opinions/M-37017.pdf>
- Page 1418, footnote 1046 –  
<http://www.epa.gov/otaq/climate/regulations/420r10012a.pdf>

- Pages 142-1425, footnote 1050 –  
[https://www.fws.gov/ENDANGERED/esa-library/pdf/esa\\_section7\\_handbook.pdf](https://www.fws.gov/ENDANGERED/esa-library/pdf/esa_section7_handbook.pdf)
- Page 1448, footnote 1064 –  
<http://www.healtheffects.org/Pubs/RR140-Krewski.pdf>



## ATTACHMENT 3

### Corrections to Supporting Documents for the Clean Power Plan Final Rule

#### Regulatory Impact Analysis

- Table 2-2 title and column heading – Replaced “2013” with “2012”.
- Table 2-2 column heading – Replaced “Change Between ’02 and ’13” with “Change Between ’02 and ’12”.
- Page 3-2 – Replaced “IPM (v5.154)” with “IPM (v5.15)”
- Page 3-7 – Corrected by deleting “with nameplate capacity greater than 25 MW” from “Existing NGCC units with nameplate capacity greater than 25 MW”.
- Pages 1-5, 1-8, 3-2, 3-3, 3-5, 3-22, 3-36, 4A-7, and 6A-2 – Revised to provide updated website address by replacing “<http://www.epa.gov/powersectormodeling/>” with “<http://www.epa.gov/airmarkets/powersectormodeling.html>”.
- Page 3-44 – Replaced “<http://www.epa.gov/powersectormodeling/>” with “<http://www.epa.gov/airmarkets/powersectormodeling.html>”.
- Page 1-8 – Replaced “<http://www.epa.gov/powersectormodeling/psmodel514.html>” with “<http://www.epa.gov/airmarkets/powersectormodeling.html>”.
- Page 4A-7 – Replaced “[http://www.epa.gov/powersectormodeling/docs/v513/FlatFile\\_Methodology.pdf](http://www.epa.gov/powersectormodeling/docs/v513/FlatFile_Methodology.pdf)” with “<http://www.epa.gov/airmarkets/powersectormodeling.html>”.

#### Response to Comment Documents

Corrections have been made to the Response to Comment (RTC) documents to ensure accuracy, clarity, and consistency. These are listed below.

Throughout the RTC documents, we revised the website address for all references to IPM modeling data to: <http://www.epa.gov/airmarkets/powersectormodeling.html>.

#### Introduction

1. Page ii – Deleted extra space between words “preamble,” and “rule” on second to last line, correcting a typographical error.

#### Chapter 1A

1. Page 9 – Added a space after “Comment 6:”, correcting a typographical error.
2. Page 55 – Added a period to the end of Response 22, correcting a typographical error.
3. Page 60 – Deleted partial sentence “Lastly, this rule does not establish any emissions standards for” in Response 28. Comment 28 is adequately addressed by the remaining language in Response 28. The sentence fragment was inadvertently not deleted from the final document.
4. Page 61 – Added a period to the end of Response 31, correcting a typographical error.
5. Page 62 – Added “in” to “We give states and affected EGUs flexibility in determining how...” in Response 33. The word was inadvertently omitted from the response text.

6. Page 66 – Deleted extra space after “Commenters” in Comment 3, correcting a typographical error.
7. Page 70 – Added a space after “Comment 7”, correcting a typographical error.
8. Page 78 – Inserted for clarity the words “line of cases” to the sentence, “The touchstone of the cooperative-federalism concept outlined in the *Train-Virginia* line of cases is that, under the authority of section 110, the EPA may not legally or functionally require a state to adopt a “specific” control measure in its SIP”, in Response 11.
9. Page 88 – Deleted extra space in between words “energy” and “or” in Response 18.
10. Pages 94-95 – Deleted the words “Further, EPA’s views on the argument presented by the commenters, including commenters’ discussion of the AEP opinion and of the Senate amendment, are also With respect to commenters discussion of the AEP opinion, EPA disagrees with the commenters reading of this opinion, as discussed in EPA’s briefs in the consolidated Murray Energy and West Virginia cases, No. 14-1112, No. 14-1146, and No. 14-1151 (and consolidated cases) (D.C. Cir.).[SJJ]” from Response 22. The comment excerpt does not address the AEP opinion or the differing amendments so this text is extraneous and inadvertently not deleted from the final response. The response to the comment is provided by the remaining text.
11. Page 139 – Added “t” to the word “this” in “Not only does the APA not apply to (t)his action,” in Response 48, correcting a typographical error.
12. Page 149 – Added “c” to the word “once” in “on(c)e-in-always-in approach,” in Response 53. Also capitalized “l” in “legal” and changed the word “memo” to “Memorandum”, to read “Also see Section XXII of the Legal Memorandum regarding *UARG*”, in Response 53. Both correct typographical errors and clarify the response.
13. Page 180 – Added “n” to the word “nor” in “EPA has included neither EE (n)or nuclear in the final BSER” in Response 3, correcting a typographical error.
14. Page 181 – Corrected verb tense from “including” to “include” in Response 4.
15. Page 184 – Corrected verb tense from “include” to “included” in Response 8.
16. Page 221 – Added the word “sections” to Response 23 to read “The EPA is not interfering with the FERC’s exclusive authority under Federal Power Act sections 205 and 206...” for added clarity.
17. Page 223 – Corrected grammar, changing “is” to “are” in fourth paragraph of Response 23.
18. Page 233 – Added the word “to” to Response 2.
19. Page 235 – Removed text “[assuming that we include the “do we also want to say” text on pp. 1-2]” from Response 6, which is an editorial note inadvertently left in the document. Removed “]” from the end of Response 6.
20. Page 260 – Corrected tense from “does” to “do” in Response 6.
21. Page 296 – Removed “a” from first sentence in Response 14 and added the words “as part of the BSER” for clarity in Response 14.
22. Page 297 – Added the words “as part of the BSER” to first sentence for clarity in Response 15.
23. Page 298 – Added the words “as part of the BSER” to first sentence for clarity in Response 18.
24. Page 329 – Replaced “sources” with “zero-emitting generators” for clarity in last sentence of Response 3.

25. Page 330 – Changed capital “R” to small “r” in the word “reasons” in Response 4. Replaced “sources” with “zero-emitting generators” for clarity in last sentence of Response 4.
26. Pages 330-331 – Deleted the word “restrict” which was inadvertently not deleted from Response 5 and inserted a period at the end of the response to correct a typographical error.
27. Page 334 – Replaced the word “the” with “they” to correct a typographical error and clarify the summary for Comment 2.
28. Page 335 – Deleted “-” and added “the” for clarity in Response 2.
29. Page 336 – Deleted “-” and replaced “legal memo” with “Legal Memorandum” for clarity in Response 3. Changed “building blocks constitute BSER” to “building blocks 1, 2, and 3 constitute the BSER” for clarity in Response 3.
30. Page 336 – Deleted “-” and added “the” for clarity in Response 4. Deleted extra space and changed the tense of “reference” to “referenced” in Response 4.

### Chapter 1B

1. Page 7 – Deleted “The EPA (add in response from other comments regarding RE)” and added “The EPA is not requiring Guam or Puerto Rico to submit compliance plans because the emission guidelines do not apply to these territories. Accordingly, comments relating to building block 3 are moot with respect to these territories.” in Response 8.
2. Page 12 – Deleted “See. 40 CFR §49.11(a).” as it was inadvertently left in Response 11.
3. Page 23 – Added an “n” to the word “conditions” in Response 24 for clarity.
4. Page 36 – Deleted “\*\*\*”, an editorial mark was inadvertently left in Response 38 and, immediately following, changed “T” to “t” to correct the sentence to read: “As to the comment regarding the achievability of the assumed HRI, the comment is otherwise outside the scope the final rule as it addresses the implementation of the final Emission Guidelines.”, to clarify the text.
5. Page 36 – Corrected the date for the proposed rule from “2012” to “2014” in Response 39.
6. Page 37 – Deleted “RE-use response from other comments” Comment 40 is adequately addressed by the remaining language in Response 40. The sentence was inadvertently not deleted from the final document.
7. Page 38 – Replaced “T&T” with “Tribes and Territories”. Replacing the shorthand notation with the correct wording in Comment 43.
8. Page 62 – Changed “address” to “addressed” in Response 14 to read as “... addressed in section V.C of the final rule preamble ...”, to correct a grammatical error and clarify.
9. Page 81 – Deleted second “:” and extra space in the response label and replaced the word “it” with “their” for clarity in the last sentence of Response 20.
10. Page 149 – Replaced the word “these” with “this” for clarity in Response 3.
11. Pages 160-161 – Deleted second occurrence of the word “BSER” in second sentence of Response 8 for clarity.

### Chapter 1C

1. Page 4 – Added period omitted between “EGUs” and “Also” in Response 4, to correct a typographical error and clarify the response.
2. Pages 20-21 – Changed “enforcing” to “enforcement” and added a missing period and space between “304” and “The” in Response 16, to correct grammar and clarify the response.
3. Page 22 – Added “plan” between “federally enforceable” and “are therefore” to clarify Response 16.
4. Page 124 (footnote 5) – Added an “e” in “, available at raponlin.org” to correct the Web address to “raponline.org”.
5. Pages 142-143 – Deleted “are due on August 31, 2016, which is 13 months after finalization of the emission guidelines. In order to address the concern that 13 months is not sufficient time for states to prepare and submit a complete plan submittal and to allow consistent timelines for both a single state and multi-state approach to state plan submittals, the EPA is also finalizing a plan submittal process which provides additional time to submit a complete plan submittal after August 31, 2016. This approach involves the option that we refer to as an initial submittal, followed by submittal of a complete state plan submittal no later than August 31, 2018, for both single state and multi-state plan submittals.”, and replaced with “ or initial submittals/extension requests are due on September 6, 2016. Final complete state plans must be submitted no later than September 6, 2018.”, to remove language inadvertently not removed from the final document and provide text aligned with the final rule language.
6. Page 158 – Corrected “it” to “its” to make possessive in the following sentence in Response 15, “which means that Pennsylvania need not change its renewable energy requirements.”, for clarity.
7. Page 160 – Corrected “it” to “its” to make possessive in the following sentence Response 17, “which means that Pennsylvania need not change its renewable energy requirements.”, for clarity.
8. Page 182 – Deleted the number “24110”, which is an editorial reference number not removed from the final document. Due to the unprecedented number of comments, lists of document control numbers (DCNs) were not included with each comment summary.
9. Page 186 – Deleted the words, “NO RES(P)ONSE HAS BEEN ADDED”, which is an editorial note inadvertently left in the document and inserted the correct response text that was omitted, “The EPA’s response to this comment is addressed in the response to Comment 1 in this section 1.13.” (Response to comment, where the EPA discusses the release of the NODA or November Supplemental Proposal and the time given to respond.)
10. Page 204 – Changed the word “but” to “does” for clarity in Response 1.
11. Page 259 – Changed the word “satisfying” to “satisfying” for clarity in Response 14, correcting typographical error.
12. Page 286 – Deleted “Comment 14:” which is a duplicated and incorrect comment number and was inadvertently not deleted. The correct comment number was included in the bold text at the beginning of the comment summary.
13. Page 296 – Changed the word “supercede” to “supersede” for clarity in Response 10, correcting typographical error.

1. Page 61 – Changed the word “affect” to “affected” for clarity in Response 3, correcting grammar.

### Chapter 3B

1. Page 194 – Deleted “, and no response to this comment is provided.” This text is extraneous and inadvertently not deleted from the final response. The response is provided by the preceding phrase.
2. Page 242 – Inserted “Response 2:” at the beginning of the third paragraph of Comment 2. The response label was inadvertently deleted from the final document.
3. Page 245 – Deleted “7” which is a commenter’s footnote inadvertently not deleted from the comment summary.
4. Page 438 – Corrected comment number for first comment, replacing “5” with “1” in both the comment and response blocks.
5. Pages 466-477 – Corrected incorrectly-numbered comment summaries and responses.

### Chapter 3C

1. Pages 15-127 – Corrected incorrectly-numbered comment summaries and responses.
2. Pages 235-241 – Corrected incorrectly-numbered comment summaries and responses.
3. Page 257 – Deleted “Response 10: The EPA is not finalizing an approach that relies on state RPS requirements to set a regional target for RE. The final building block 3 methodology is described in detail in V.E of the preamble and in the GHG Mitigation Measures TSD”, which is a duplicative response block not removed from the final document. The correct response appears immediately after the deleted text.
4. Page 325 – Corrected incorrectly-numbered comment summaries and responses, replacing “46” with “44”.
5. Pages 368-369 – Deleted Comment and Response block for Comment 24, which was not deleted from the final document as the issue is addressed in Chapter 8.
6. Pages 369-372 – Corrected incorrectly-numbered comment summaries and responses.

### Chapter 3D

1. Page 2 – Added “of” to last sentence of first paragraph in section 3.4 for clarity.
2. Page 2 – Changed “for” to “of” in two locations in first sentence of section 3.4.1 for clarity.
3. Page 2 – Added the word “of” to the first bullet in section 3.4.1 for clarity.
4. Page 3 – Added the word “the” to the Response 1 for clarity.
5. Page 39 – Changed “demand site” to “demand side” in Comment 3 for clarity.
6. Page 232 – Replaced “T&T” with “Tribes and Territories”. Replacing the shorthand notation with the correct wording.
7. Page 235 – Added the sentence “The EPA has not included demand-side EE (building block four) in the BSER of this final rule.” to Response 34 for clarity.
8. Page 236 – Added sentence “The EPA has not included demand-side EE (building block four) in the BSER of this final rule to Response 1 for clarity.

9. Page 330 – Changed the word “feasibly” to “feasible” to correct grammar in Response 21.
10. Page 353 – Edited second sentence for clarity in Response 30 to read, “Lowering energy demand on the grid avoids the need to generate electricity and therefore reduces the emissions that would have been produced by the operation of the avoided generator.”
11. Page 374 – Changed the word “feasibly” to “feasible” to correct grammar in Response 1.
12. Pages 407-408 – Changed the word “feasibly” to “feasible” to correct grammar in Response 9.
13. Page 426-427 – Inserted “, including section VIII.K.1.a., and in section V.A.6.b.(1)” and deleted an extra period to clarify the cross reference to requirements in the CPP preamble in Response 2. The last sentence of Response 2 was changed from “The final rule also has provisions that will maintain reliability in the system, such as reliability safety valve provisions and coordination with the Regional Transmission Organization, Independent Service Organization or Grid operator” to “The final rule also has provisions that will maintain reliability in the system, such as reliability safety valve provisions and requiring states to demonstrate that they considered reliability issues in developing state plans such as through consultation with the Regional Transmission Organization, Independent System Operator or other planning authorities”, for clarity.

#### Chapter 3E

1. Page 95 – Deleted Comment/Response 14 because it was a word for word repeat of Comment/Response 13.
2. Page 95-100 – Corrected incorrectly-numbered comment summaries and responses.
3. Page 107 – Added “E” to “R” to read “RE” in the first sentence in Response 2, for clarity.
4. Page 130 – Changed the word “treated” to “considered” to improve clarity of sentence in Response 12, for clarity.
5. Page 142 – Added an “o” to the end of “als” in Response 27, correcting a typographical error.

#### Chapter 4B

1. Page 4 – Deleted the word “and” and added the word “state” for clarity in Response 4.
2. Page 6 – Added the word “final” for clarity in Response 5.
3. Page 7 – Added an “S” to the acronym “TSD” in the third sentence and added the word “units” to the fourth sentence of Response 6 for clarity.
4. Page 14 – Deleted the word “most” for clarity in the fourth sentence of Response 11
5. Page 14 – Revised the last paragraph of Response 11: “In regards to the applicability status of the Orlando Cogeneration unit. EPA has left them in the baseline inventory as a likely affected units upon review of its status in other EPA air programs, the size of the unit, and the amount of net electricity generation of the unit. However, EPA notes that this does not constitute a final applicability determination. See section VII of the preamble for further discussion.” Replaced with: “In regards to the applicability status of the Orlando Cogeneration unit, EPA has left it in the baseline inventory as a likely affected units upon review of its status in other EPA air programs, the size of the unit, and the amount of net electricity generation of the unit. However, EPA notes that this

does not constitute a final applicability determination. See section VII of the preamble for further discussion.”

6. Page 18 – Deleted the word “your” from Response 16 for clarity.
7. Page 35 – Changed the word “changes” to “changed” in the second sentence of Response 33.
8. Page 49 – Deleted the word “above” from the first sentence in Response 3 for clarity.
9. Page 107 – Changed the word “cold” to “could” in Comment 25 for clarity.
10. Page 133 – Added the words “described by commenters” to the end of Response 47 for clarity.
11. Page 161 – Added “i” to the word “finalizing” for clarity in Response 28.

#### Chapter 5B

1. Page 241 – Deleted the words “NO RESPONSE HAS BEEN DEVELOPED AT THIS TIME”, as this is an editorial note inadvertently left in the document, and inserted the correct response text, which was omitted: “These comments are addressed in final rule preamble section VIII.G.1 and the legal memorandum. The EPA adds that, contrary to commenters’ assertions, the EPA did not propose to bar states from considering remaining useful life on grounds that BSER already allows for its consideration. The EPA has revised the goals since proposal and believes that they are achievable.” This is the same response provided for Comment 4 of this section, page 238.

#### Chapter 6B

1. Page 244 – Deleted the words “See section VIII.E of the final rule preamble of the CPP for EPA’s response to this comment. THIS RESPON(S)E IS NOT ADEQUATE ” and replace with the corrected response: “As described in section VIII of the final rule preamble, if an extension request based on an initial submittal cannot be granted, the EPA will notify the state that such extension is denied and that the state has failed to submit a final state plan required by September 6, 2016. The EPA will publish such notification in the Federal Register. This finding of failure to submit is final agency action that is judicially reviewable.” in Response 8. The replaced words are an inadvertent, incorrect response as the final rule preamble does not contain EPA’s response to this comment and an editorial note inadvertently left in the document.
2. Page 295 – Deleted the words, “[NEED RESPONSE FOR LAST TWO PARAGRAPHS]”, as this is an editorial note inadvertently left in the document. The response that appears before these words on the preceding page is the intended response to the comment.

#### Chapter 7

1. Page 2 – Added the following sentences to the first paragraph for clarity: “Comment topics are identified first and are followed by our response. Specific comments relating to the comment topics are summarized after our response.”
2. Page 3 – Removed hyphens from the word “nonetheless” from Response 2.

3. Page 8 – Added an “e” to the word “therefore” and added an apostrophe to the word “State’s” to correct misspellings in Response 3.

#### Chapter 8A

1. Pages 143-180 – Added sub headings omitted from Comment 1 comment summaries and responses.
2. Page 174 – Comment subheading corrected to “1.d.” (incorrectly labeled “c.”)
3. Page 179, footnote 3 – Corrected web address to:  
<http://www.epa.gov/powersectormodeling.html>.
4. Pages 235-281 – Added sub headings omitted from Comment 5 comment summaries and responses.
5. Page 269, footnote 5 – Corrected reference in footnote to “Renewables Portfolio Standards in the United States: A Status Update”, Galen Barbose, Lawrence Berkeley National Laboratory, Presentation given at Renewable Energy Markets 2014, December, 2014.”
6. Page 348, footnote 10 – Web address corrected to: <http://www.eda.gov/power/>.
7. Pages 387-391 – Added sub headings omitted from Comment 24 comment summaries and responses.

#### Chapters 9-12

1. Page 2 – Made single quotation marks into double quotation marks in Response 1 for clarity.
2. Page 3 – Changed an “a” to an “an” in Response 2 for clarity.
3. Page 18 – Deleted extra period in last paragraph of Response 3.
4. Page 22 – Changed an “a” to an “an” in fifth paragraph of Response 1 for clarity.
5. Page 103 – Deleted the words, “Additionally the EPA has added a definition for” which was not removed from the final document and is unneeded. Comment 7 on page 107 of this chapter notes that the EPA is using a definition of useful thermal output for the final rule consistent with other subparts in 40 CFR part 60.

#### **Technical Support Documents**

##### GHG Mitigation Measures TSD

- Revised website address for all references to IPM modeling data to:  
<http://www.epa.gov/airmarkets/powersectormodeling.html>.
- Revised language and footnote in Chapter 2 on heat rate improvement (HRI) as follows:
  - Sec 2.5.2.2 – Deleted “ambient air (primary air) is mixed with fuel prior to combustion and a fraction of” from “Ambient air temperature can affect gross heat rate in three ways: (1) ambient air (primary air) is mixed with fuel prior to combustion and a fraction of energy released during combustion heats the incoming air, ...,” to read “Ambient air temperature can affect gross heat rate in three ways: (1) energy released during combustion heats the incoming air,....”

- Corrected final footnote by replacing “See supra 93” with “See supra 95.”

#### New Source Complements TSD

- Page 5 – Corrected errors in Table 5: Incremental Generation Assumed to Meet Future Demand from Under Construction Facilities by Interconnection that provided two capacity values rather than the MWH for the Western and TX interconnects. (This change does not affect text or any calculated values in the accompanying spreadsheet.)
- Made a correction to the accompanying data file by revising the formula for Total by Period, New Source Complements (Tons), affecting non-Alabama state cumulative totals. (This change does not affect text in the TSD).

#### CO<sub>2</sub> Emissions Performance and Goal Computation TSD

- Corrected two column headings in the hydro adjustment sheet provided in support of this TSD by changing to “Criteria 2 – greater than 105%” and “Criteria 3 – greater than 105%” to reflect a greater than 5% increase.

