

News Releases

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EPA Finalizes Rule to Reduce Smog-Forming Pollution Transported Across State Lines

Cost-effective final rule provides public health benefits for Americans in the East

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WASHINGTON- Today, the U.S. Environmental Protection Agency (EPA) finalized updates to the agency's Cross-State Air Pollution Rule (CSAPR) that will help protect communities in the eastern U.S. from smog-forming pollution that crosses state lines and will help states meet the 2008 air quality standards for smog, or ozone. The CSAPR Update will continue to reduce summertime emissions of nitrogen oxide (NOx) from power plants that contribute to downwind ozone problems in the eastern U.S.

"Today's update builds on the decades of success under the Clean Air Act that has led to significant cuts in nitrogen oxide emissions from upwind states that affect their downwind neighbors," said Janet McCabe, acting assistant administrator for EPA's Office of Air and Radiation. "The common-sense actions that power plants can take to quickly and affordably reduce this harmful pollution will help protect the health and lives of millions of Americans, restore visibility at our nation's most treasured parks, and ensure that air quality continues to improve in the eastern United States."

The CSAPR Update identifies cuts in NO_X emissions in 22 states that contribute significantly to downwind ozone air quality problems and can be achieved using already installed, proven and cost-effective control technologies and other readily available approaches at affected sources. The cuts in NOx emissions under the final rule will lead to significant improvements in air quality starting in the 2017 ozone season (May-September).

EPA estimates that in 2017 this rule and other changes already underway in the power sector will help cut ozone season NOx emissions by 80,000 tons—a 20 percent reduction from 2015 levels. The final rule will provide annual benefits of up to \$880 million in 2017, far outweighing the estimated costs of \$68 million. For every dollar invested, American families would see up to \$13 in health benefits.

The final CSAPR Update also provides improvements to visibility in national and state parks, and increases protection for sensitive ecosystems including Adirondack lakes and Appalachian streams, coastal waters and estuaries, and forests.

NO_X emissions can react in the atmosphere to create ground-level ozone pollution, especially during the warm summer months. These pollutants can travel long distances, often crossing state lines and making it difficult for other states to meet and maintain the air quality standards for ozone that EPA establishes to protect public health.

Following the Clean Air Act's "good neighbor" mandate to limit interstate air pollution, the rule will help states that are struggling to protect air quality from pollution emitted outside their borders, and it uses an approach that can be applied in the future to help areas continue to meet and maintain air quality health standards. Under the "good neighbor" provision, states develop state implementation plans while EPA plays a backstop role by issuing federal implementation plans (FIPs) if a state fails to submit an approvable plan. Today's action provides the FIP, and a partial remedy, for all 22 affected states under EPA's backstop obligation.

CSAPR, which was finalized in 2011, was designed to help states meet the 1997 ozone standards. EPA's approach in the 2011 rule has now been affirmed by the Supreme Court and EPA is applying this same approach to the 2008 ozone air quality standards to help states address transported ozone pollution under the strengthened standards. The final CSAPR Update reflects stakeholder input and more than 15,000 comments received during the public comment process for the proposal, a public hearing, and a July 2015 Notice of Data Availability (NODA). The rule also responds to the July 2015 decision of the Court of Appeals for the D.C. Circuit, addressing the court's concerns regarding ozone season NOx emissions budgets for 11 states.

More information: https://www.epa.gov/airmarkets/final-cross-state-air-pollution-rule-update

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Last updated on September 7, 2016

FACT SHEET Final Cross-State Air Pollution Rule Update for the 2008 NAAQS

SUMMARY OF ACTION

On September 7, 2016, the EPA finalized an update to the Cross-State Air Pollution Rule (CSAPR) ozone season program by issuing the CSAPR Update. This rule addresses the summertime (May – September) transport of ozone pollution in the eastern United States that crosses state lines to help downwind states and communities meet and maintain the 2008 ozone national ambient air quality standard (NAAQS). Starting in May 2017, this final rule will further reduce ozone season emissions of nitrogen oxides (NOx) from power plants in 22 states in the eastern United States, providing up to \$880 million in benefits and reducing ground-level ozone exposure for millions of Americans. The final rule reflects careful consideration of stakeholder input received during the public comment process for the proposal and the July 2015 Notice of Data Availability (NODA) and helps meet the Agency's obligation under the Clean Air Act to address the interstate transport of ozone air pollution. The CSAPR Update also responds to the July 2015 remand of certain CSAPR budgets by the United States Court of Appeals for the D.C. Circuit.



Final CSAPR Update Region for the 2008 Ozone NAAQS

BENEFITS AND COSTS OF EMISSION REDUCTIONS

 Ground-level ozone, or smog, is linked to a variety of serious public health effects. Exposure to ozone can harm the respiratory system (the upper airways and lungs) and aggravate asthma and other lung diseases. Evidence indicates that exposure to ozone is likely to be one of the many causes of asthma development. Exposure to ozone is also linked to early death from respiratory causes.

- Emissions of NO_X can react in the atmosphere to create ozone pollution, especially during the warm summer months. These pollutants can travel long distances, often crossing state lines and making it difficult for some downwind states to meet or maintain the national clean air standards that protect public health and welfare.
- The EPA, working with states, has decades of success under the Clean Air Act in achieving NO_X emission reductions from power plants through implementation of programs like the NO_X Budget Trading Program, the Clean Air Interstate Rule and CSAPR. Since 1997, power plants affected by these programs, along with other regional and state NO_X emission control programs, have cut ozone season NO_X emissions by over 75 percent, a reduction of almost 2 million tons. During this time period, from 2000 to 2015, average ozone concentrations across the U.S. have fallen, by approximately 17 percent. The CSAPR Update builds on the success of these programs and achieves further reductions.
- EPA estimates that the CSAPR Update and other changes already underway in the power sector will cut ozone season NO_X emissions from power plants in the eastern United States by 20 percent – a reduction of 80,000 tons in 2017 compared to 2015 levels.
- These NO_X and other co-pollutant emission reductions result in benefits worth up to an estimated \$880 million (2011\$) per year, including:
 - o \$810 million from the prevention of harmful and costly health effects:
 - Over 67,000 asthma attacks,
 - Almost 56,000 days of missed work and school,
 - Over 240 hospital and emergency room visits, and
 - Up to 60 premature deaths.
 - \$66 million per year in climate-related co-benefits, due to reductions in carbon dioxide (CO₂) emissions.
- The CSAPR Update will also provide improvements to visibility in national and state parks, and increases in protection for sensitive ecosystems including Adirondack lakes and Appalachian streams, coastal waters and estuaries, and forests.
- The benefits of the final rule far outweigh the estimated costs of \$68 million per year.

- For every dollar invested through the final CSAPR Update, American families will see up to \$13 in health benefits.
- The effects of this rule on employment and retail electricity prices are modest and vary year by year.
 - EPA analysis shows small employment gains and losses in both the electricity generation and fuels sectors as some companies upgrade and optimize existing NO_X pollution control equipment to comply with the rule, and some generation is shifted from coal-fired electric generating units (EGUs) to gas-fired units.
 - The EPA projects that the final rule will have a minimal impact on electricity prices. Given the modest price changes expected under the rule, the impact on consumer, commercial and industrial annual electric bills is also small.

KEY FEATURES

Helps meet the Clean Air Act "good neighbor" obligation

- The Clean Air Act's "good neighbor" provision requires states to address the transport across state lines of air pollution that affects the ability of downwind states to meet and maintain clean air standards. This provision requires states to submit State Implementation Plans, or SIPs, demonstrating that the state is addressing its transported pollution that contributes significantly to air quality impacts in downwind states.
- The Clean Air Act gives the EPA a backstop role to issue Federal Implementation Plans (FIPs), as appropriate, in the event that states do not submit approvable SIPs. In order to meet the Agency's backstop role, today's action finalizes FIPs, and a partial remedy, for each of the 22 states in the CSAPR Update region.
- NAAQS in light of two recent court decisions (*North Carolina v. EPA* and *NRDC v. EPA*). In response to the *NRDC* court decision, the EPA revised the Moderate area attainment date from December 2018 to July 2018 in the final Ozone SIP Requirements Rule. Because this revised date falls during the 2018 ozone season, the 2017 ozone season will be the last full season from which data can be used to determine attainment by the July 2018 deadline. The *North Carolina* decision requires the EPA to implement upwind emission reductions, to the extent feasible, aligned with the relevant attainment dates, which for the 2008 ozone NAAQS means implementation starting with the 2017 ozone season. The CSAPR Update will help states with relevant nonattainment areas demonstrate attainment with this standard.

- Given the need for near-term reductions to address public health concerns and help some downwind states meet their 2018 ozone attainment deadline, the final budgets are based on reductions that can be implemented cost-effectively and quickly, starting in 2017 and the rule requires that these reductions come from power plants. While final CSAPR Update does not fully address the problem of transported ozone pollution in the East, it will result in meaningful, near-term reductions in ozone pollution that crosses state lines.
- Today's final rule is focused on air pollution transport issues in the East. The EPA
 is not finalizing FIPs to address interstate transport of emissions in western
 states but will continue to work with western states to evaluate interstate
 transport in the West on a case-by-case basis.

Provides a flexible, achievable and cost-effective path

- EPA analysis indicates that the power sector can achieve a substantial amount of cost-effective NO_X reductions beginning May 2017 that will help upwind states address their significant contribution to ozone air quality problems in downwind states.
- The final CSAPR Update affects 2,875 electric generating units at 886 coal-, gas-, and oil-fired facilities in 22 states.
- EPA's feasibility analysis demonstrates that the CSAPR Update requirements can be achieved for the 2017 ozone season and beyond while maintaining the reliability of the electric grid and ensuring that Americans continue to have access to affordable electricity. To establish emission budgets (i.e., tonnagebased, state-level emission limits), the agency focused on NO_X reductions that can be made quickly, such as turning on or optimizing existing pollution control technology.
- The CSAPR Update implements these emission budgets through the CSAPR ozone season NO_X trading program, which is familiar to states and power plant operators, and has successfully achieved cost-effective reductions. The CSAPR allowance trading program allows facility owner/operators to determine their own compliance path, including the buying, selling, and banking (saving for a future year) of allowances on the market. The rule does not require that any particular facility make specific reductions or use certain pollution controls. Under a trading program, sources have significant flexibility in deciding how to meet emission reduction requirements. At the end of the ozone season, compliance is measured by whether they hold enough allowances to cover their emissions.

- Power sector emissions trading is a proven approach to addressing regional air pollution issues in a cost-effective way. The EPA has over 20 years of experience implementing successful power sector trading programs, including previous programs to reduce ozone season NO_X emissions and address acid rain.
- The EPA will continue to look at the availability, cost-effectiveness, and timing of
 emissions reductions from other sectors for potential inclusion in a future
 interstate transport rule.

Uses the existing, proven CSAPR 4-step framework

- The CSAPR, finalized in July 2011, was designed to help states meet the 1997 ozone NAAQS. Court action delayed implementation of the rule during the course of litigation focused on EPA's approach to determining the amount of pollution that upwind states were contributing to downwind states' air quality problems. In 2014, the Supreme Court upheld the CSAPR and implementation began on January 1, 2015.
- With CSAPR, the EPA established a 4-step framework for helping states or EPA address interstate transport for current and future NAAQS. Now that the CSAPR approach to define upwind state obligations under the "good neighbor" provision has been affirmed by the Supreme Court, the EPA is applying this 4-step approach to the 2008 ozone NAAQS.
 - 1. Identify downwind receptors that are expected to have problems meeting or maintaining clean air standards;
 - 2. Determine which upwind states contribute to these identified problems in amounts sufficient to "link" them to downwind state air quality problems;
 - 3. Identify upwind emissions that significantly contribute to downwind nonattainment or interfere with downwind maintenance of a standard by quantifying available upwind emission reductions and apportioning upwind responsibility among the linked states; and
 - 4. Adopt FIPs that require sources to reduce the identified upwind emissions via regional emissions allowance trading programs.
- This rule is the first time that the EPA has updated an existing program to address interstate transport of air pollution under a new air quality standard.
- Under the CSAPR Update, the EPA has determined that ozone season NO_X
 emissions in 22 eastern states affect the ability of downwind states to meet and
 maintain the 2008 ozone NAAQS. The 22 states include: Alabama, Arkansas,
 Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Michigan,

- Mississippi, Missouri, New Jersey, New York, Ohio, Oklahoma, Pennsylvania, Tennessee, Texas, Virginia, West Virginia, and Wisconsin.
- In order to help some downwind states meet their 2018 ozone attainment deadlines and to deliver important benefits by the 2017 ozone season, EPA is updating the existing CSAPR ozone season program as quickly as possible. The final CSAPR Update adopts FIPs for all 22 states, updating the existing CSAPR NO_X ozone season emission budgets for each state's fleet of electricity generating units (EGUs). EPA will implement these budgets through the existing CSAPR NO_X ozone season allowance trading program.
- States can replace EPA's FIP starting in 2018 by submitting an approvable transport SIP, including by adopting the CSAPR Update trading program budgets into their SIPs.
- Because this final rule uses an existing and proven framework (the 4-step CSAPR approach), power plants in these 22 states can take action to quickly achieve cost-effective reductions.

Responds to the court

- The 2014 Supreme Court decision that upheld CSAPR generally also remanded the CSAPR litigation to the D.C. Circuit for resolution of several remaining claims, and on July 28, 2015, the D.C. Circuit remanded the Phase 2 ozone season NO_X budgets for 11 states to the EPA for reconsideration.
- In response to the D.C. Circuit remand, today's final CSAPR Update withdraws these remanded Phase 2 ozone season NO_X budgets, which addressed states' transport obligations with regard to the 1997 ozone NAAQS.
- The CSAPR Update sets new Phase 2 CSAPR ozone season NO_X emissions budgets for eight of these states (Maryland, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia, and West Virginia) to address interstate transport with respect to the more stringent 2008 ozone NAAQS.
- The final rule removes the other three states whose budgets were remanded (North Carolina, South Carolina and Florida) from the CSAPR ozone season NO_X trading program because modeling for the final rule indicates that under the 2008 ozone NAAQS, these states do not contribute significantly to ozone air quality problems in downwind states.

BACKGROUND

- In March 2008, the EPA strengthened the national air quality standard for ozone by setting an 8-hour standard at 75 parts per billion (ppb). This action triggered states' obligations to address and reduce pollution that crosses state lines and affects the ability of downwind areas to meet the standard. Reducing ozone season NO_X pollution from upwind sources will help downwind states meet and maintain the 2008 ozone standard.
- The EPA issued the Cross-State Air Pollution Rule (CSAPR) in July 2011. CSAPR originally required 28 states in the eastern half of the United States to significantly improve air quality by reducing power plant emissions (SO₂, annual NO_X and ozone season NO_X) that cross state lines and contribute to ozone and fine particle pollution (soot) pollution in other states. CSAPR was designed to help states meet the 1997 ozone and fine particle air quality standards and the 2006 fine particle air quality standard.
- CSAPR was scheduled to replace the Clean Air Interstate Rule (CAIR) starting on January 1, 2012. However, the timing of CSAPR's implementation was affected by D.C. Circuit actions that stayed and then vacated CSAPR before implementation. On April 29, 2014, the U.S. Supreme Court reversed the D.C. Circuit's vacatur, and on October 23, 2014, the D.C. Circuit granted EPA's motion to lift the stay and shift the CSAPR compliance deadlines by three years. The EPA revised the compliance deadlines in its regulations, and CSAPR Phase 1 implementation began January 1, 2015 for annual programs and May 1, 2015 for the ozone season program, with Phase 2 to begin in 2017.
- In preparation for issuing today's final rule, the EPA conducted an extensive outreach process with our state partners to assess and gather feedback on the next steps to address interstate air pollution transport.
 - On January 22, 2015, the EPA issued a memo and preliminary air quality modeling data to help states as they develop SIPs to address transport of air pollution for the 2008 ozone standard.
 - On March 15, 2015, the EPA attended a meeting organized by the State Collaborative on Ozone Transport in Washington, D.C. States and EPA shared their knowledge of actions planned and underway that could achieve NO_X emissions reductions during the 2015 summer ozone season from emissions sources in eastern states.
 - On April 8, 2015, the EPA held a workshop in which states and EPA shared their understanding of actions that should be taken to address interstate ozone transport for the 2008 NAAQS under the "good neighbor" provision.
 - On July 23, 2015, the EPA issued a Notice of Data Availability, providing the opportunity to review and comment on the Agency's updated air quality modeling data. The EPA indicated in this NODA that the agency

- intended to use the data in applying Steps 1 and 2 of the CSAPR approach to develop the proposed updates to state budgets.
- On November 16, 2015, the EPA proposed the updates finalized in this action and held a public hearing on December 17, 2015. The public comment period for the proposal ended on February 1, 2016. The EPA received over 15,000 comments on the proposal, the July 2015 NODA, and the public hearing, and considered these comments as we developed a final rule.
- On October 1, 2015, the EPA strengthened the ground-level ozone NAAQS, based on extensive scientific evidence about ozone's effects on public health and welfare. While reductions achieved by this final rule will aid in meeting and maintaining the 2015 standard, the CSAPR Update to reduce interstate emission transport with respect to the 2008 ozone NAAQS is a separate and distinct regulatory action and is not meant to address the CAA's "good neighbor" provision with respect to the 2015 ozone NAAQS final rule.

FOR MORE INFORMATION

• For more information on the final rule, including interactive maps, and to access the final rule, go to https://www.epa.gov/airmarkets/final-cross-state-air-pollution-rule-update.

FACT SHEET - Key Changes and Improvements Final Cross-State Air Pollution Rule Update for the 2008 NAAQS:

On September 7, 2016, the EPA finalized an update to the Cross-State Air Pollution Rule (CSAPR) ozone season program by issuing the CSAPR Update. This rule addresses the summertime (May – September) transport of ozone pollution in the eastern United States that crosses state lines to help downwind states and communities meet and maintain the 2008 ozone national ambient air quality standard (NAAQS). Starting in May 2017, this final rule will further reduce ozone season emissions of nitrogen oxides (NO $_{\rm X}$) from power plants in 22 states in the eastern United States, providing up to \$880 million in benefits and reducing ground-level ozone exposure for millions of Americans. The final rule helps meet the Agency's obligation under the Clean Air Act to address the interstate transport of ozone air pollution. The CSAPR Update also responds to the July 2015 remand of certain CSAPR budgets by the United States Court of Appeals for the D.C. Circuit.

The final CSAPR Update is informed by more than 15,000 public comments received during the public comment process for the proposal, the July 2015 Notice of Data Availability (NODA), and the public hearing, as well as months of engagement with states, tribes, utilities, environmental groups and other stakeholders. The EPA made a number of changes in the final rule that directly respond to public comments and stakeholder engagement, using updated data and analysis that better reflect power sector emission reduction potential. These changes result in an improved rule that achieves meaningful NO_X reductions, quickly and affordably.

Key Changes to the Final CSAPR Update from Proposal

<u>CSAPR Update Region</u> – The final rule covers 22 states and includes power sector emission budgets (i.e., tonnage-based, state-level emission limits) and allowance trading programs for implementation.

- North Carolina North Carolina is not included in the final CSAPR Update because modeling for the final rule indicates that the state is not linked to any downwind nonattainment or maintenance receptors.
- Two ozone season NO_X allowance trading programs The final rule establishes two trading groups and prohibits the use of Group 1 allowances for compliance in Group 2 and vice versa).
 - Group 2 = the 22 CSAPR Update states.
 - O Group 1 = Georgia, which is the only state with an ongoing CSAPR requirement for the 1997 ozone NAAQS that does not also have a CSAPR requirement for the 2008 ozone NAAQS. The CSAPR Update provides an option for Georgia to voluntarily opt into the Group 2 trading program by adopting a revised emission budget via a state implementation plan.

<u>CSAPR Ozone Season NO_X Statewide Budgets</u> – Power sector emission budgets represent the emission levels that affected sources in those states must meet to address their contribution to ozone air quality issues in downwind states.

- Budget-setting methodology The EPA refined its methodology for establishing emission budgets to better reflect power sector NO_X reduction potential by using historical data in combination with projections of potential NO_X emission rate improvements in each state. These refinements resulted in changes to individual state emission budgets and the combined total increased slightly (by less than 5 percent) from the proposed rule.
- SCR technology NO_X emissions rate The EPA revised its assumption of the reasonably achievable NO_X rate for units with the emission control selective catalytic reduction (SCR), moving from an emission rate of 0.075 lbs/mmBtu in the proposed rule to 0.10 lbs/mmBtu in the final rule. This assumption informs the calculation of emission budgets.
- See table ("Budgets and Emissions for States in the Final CSAPR Update") at the end of this fact sheet for each affected state's 2015 emissions, proposed 2017 CSAPR Update budgets, and final 2017 CSAPR Update budgets.

 $\underline{\text{CSAPR Allowance Bank}}$ – The EPA considered how the relatively large bank of 2015 and 2016 CSAPR NO $_{\text{X}}$ ozone season allowances could affect emissions in the future in the CSAPR Update states.

• To facilitate a smooth shift between the original CSAPR ozone season NO_X trading program and the CSAPR Update ozone season NO_X trading program, the final rule establishes a one-time allowance conversion that transitions a limited number of banked 2015 and 2016 allowances for compliance use in CSAPR Update states in 2017 and beyond. This allowance conversion limits the number of banked allowances to approximately 99,700 allowances across the CSAPR Update states in order to ensure that implementation of the trading program will result in NO_X emission reductions sufficient to address states' good neighbor obligations. Importantly, the conversion eases the transition to the CSAPR Update by carrying over some allowances that can be used for compliance.

Benefits and Costs -

- Changes to the geography of the CSAPR Update region, budget-setting methodology, and consideration of state rules (such as Pennsylvania's RACT) in the benefits analysis resulted in lower costs and fewer total emission reductions and benefits across the region than estimated at proposal. The final rule still achieves meaningful reductions, quickly and affordably, and will make important reductions in exposure to ozone, delivering benefits to millions of Americans.
 - \circ The EPA estimates that this rule and other changes already underway in the power sector will cut ozone season NO_X emissions from power plants in the eastern United States by 20 percent a reduction of 80,000 tons in 2017 compared to 2015 levels.

- The final CSAPR Update is expected to deliver total benefits of \$880 million
 (2011\$) per year, including:
 - \$810 million from the prevention of harmful and costly health effects:
 - Over 67,000 asthma attacks,
 - Almost 56,000 days of missed work and school,
 - Over 240 hospital and emergency room visits, and
 - Up to 60 premature deaths.
 - Climate-related co-benefits are estimated at around \$66 million per year, due to reductions in carbon dioxide (CO₂) emissions.
- Unquantified benefits including improvements to visibility in national and state parks, and increased protection for sensitive ecosystems including Adirondack lakes and Appalachian streams, coastal waters and estuaries, and forests.
- o The benefits of the final rule far outweigh the estimated costs of \$68 million per year. For every dollar invested through the final CSAPR Update, American families would see up to \$13 in health benefits

Budgets and Emissions for States in the Final CSAPR Update

State	2015 Emissions ¹	Final 2017 CSAPR Update Budget ²	Proposed 2017 CSAPR Update Budget ³
Alabama	20,369	13,211	9,979
Arkansas	12,560	12,048	6,949
Illinois	15,976	14,601	12,078
Indiana	36,353	23,303	28,284
Iowa	12,178	11,272	8,351
Kansas	8,136	8,027	9,272
Kentucky	27,731	21,115	21,519
Louisiana	19,257	18,639	15,807
Maryland	3,900	3,828	4,026
Michigan	21,530	16,545	19,115
Mississippi	6,438	6,315	5,910
Missouri	18,855	15,780	15,323
New Jersey	2,114	2,062	2,015
New York	5,593	5,135	4,450
Ohio	27,382	19,522	16,660
Oklahoma	13,922	11,641	16,215
Pennsylvania	36,033	17,952	14,387
Tennessee	9,201	7,736	5,481
Texas	55,409	52,301	58,002
Virginia	9,651	9,223	6,818
West Virginia	26,937	17,815	13,390
Wisconsin	9,072	7,915	5,561
Total	398,596	315,986	299,592

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¹ Table VI.C-2. Evaluated EGU NO_X Ozone Season Emission Budgets, Reflecting EGU NO_X Reductions (Ozone Season NO_X Tons), page 210 of the final rule preamble.

² Table VII.E-1. Final EGU NO_X Ozone Season New unit Set-aside Amounts, Reflecting Final EGU Emission Budgets (tons), page 275 of the final rule preamble

 $^{^3}$ TABLE VII.B—2—PROPOSED EGU NO_X OZONE-SEASON EMISSIONS BUDGETS REFLECTING EGU NO_X MITIGATION AVAILABLE FOR 2017 AT \$1,300 PER TON, VARIABILITY LIMITS, AND ASSURANCE LEVELS (TONS) with North Carolina manually removed, page 75745 of the proposal preamble