

US EPA ARCHIVE DOCUMENT

PROPOSAL TO LIMIT CARBON POLLUTION FROM MODIFIED AND RECONSTRUCTED POWER PLANTS

Power plants are the largest stationary source of this harmful pollution in the United States -- about one-third of all greenhouse gas pollution comes from the generation of electricity by power plants.

- On June 2, 2014, EPA proposed standards to address carbon dioxide (CO₂) emissions from modified and reconstructed power plants.
- This action is one of three separate but related proposals to address carbon pollution from power plants.
 - The proposed Carbon Pollution Standards for *newly constructed* power plants are set under the authority of Clean Air Act Section 111(b). They were announced in September 2013 and published in the Federal Register in January 2014.
 - The proposed Carbon Pollution Standards for modified and reconstructed power plants are also set under the authority of Clean Air Act Section 111(b). They were announced in June 2014.
 - The proposed Clean Power Plan for existing power plants is issued under the authority of Section 111(d). It was announced in June 2014.
- The proposed Carbon Pollution Standards for modified and reconstructed power plants would only apply to a unit that meets certain, specific conditions described in the Clean Air Act and implementing regulations for being “modified” or “reconstructed.”
- A modification is any physical or operational change to an existing source that increases the source’s maximum achievable hourly rate of air pollutant emissions.
- A reconstructed source is a unit that replaces components to such an extent that the capital cost of the new components exceeds 50 percent of the capital cost of an entirely new comparable facility.
- The proposed emission limits for modified or reconstructed sources are based on the performance of available and demonstrated technology. These proposed limits for modified and reconstructed sources do not require implementation of carbon capture and storage (CCS) technology, nor are they based on that technology.
- The EPA is proposing separate numeric standards for different types of units.
 - **For affected modified fossil fuel-fired electric utility steam generating units** (utility boilers and integrated gasification combined cycle (IGCC) units), the EPA is co-proposing two alternative standards of performance. Under the first alternative, all modified units would be subject to a single standard of performance. In the second co-proposed alternative, the EPA is proposing that the specific form of the standard will depend on whether the source makes the modification before or after becoming subject to a CAA section 111(d) state plan. This alternative recognizes that actions taken to comply with a Clean Air Act (CAA) section 111(d) state plan may result in improved performance at the source. In all cases the level of the proposed standards is based on a combination of

best operating practices and equipment upgrades.

- **For affected modified natural gas-fired stationary combustion turbines**, the agency is proposing standards of performance set at a level based on efficient Natural Gas Combined Cycle (NGCC) technology. These standards would be applicable whether or not a unit is subject to a section 111(d) state plan.
- **For affected reconstructed fossil fuel-fired electric utility steam generating units (utility boilers and integrated gasification combined cycle units), and for affected reconstructed natural gas-fired stationary combustion turbines**, the EPA is proposing standards of performance based on the most efficient generating technology that is applicable to each category of units. This standard would not be affected by the submittal of a CAA section 111(d) state plan.

HOW TO COMMENT

- EPA will accept comment on the proposal for 120 days after publication in the Federal Register and will hold four public hearings on the proposed standards for modified and reconstructed sources during the week of July 28 in the following cities: Denver, Atlanta, Washington, DC and Pittsburgh.
- The proposed rule, information about how to comment and supporting technical information are available online at: <http://www.epa.gov/cleanpowerplan>
- Comments on the proposed standards should be identified by Docket ID No. EPA-HQ-OAR-2013-0603. All comments may be submitted by one of the following methods:
 - **Federal eRulemaking Portal:** <http://www.regulations.gov>. Follow the online instructions for submitting comments.
 - **Email:** A-and-R-Docket@epa.gov. Include docket ID No. EPA-HQ-OAR-2013-0603 in the subject line of the message.
 - **Fax:** (202) 566-9744.
 - **Mail:** Environmental Protection Agency, EPA Docket Center (EPA/DC), Mailcode 28221T, Attention Docket ID No. OAR-2013-0603, 1200 Pennsylvania Avenue, NW, Washington, DC 20460.
 - **Hand/Courier Delivery:** EPA Docket Center, Room 3334, EPA WJC West Building, 1301 Constitution Avenue, NW, Washington, DC 20004. Such deliveries are only accepted during the Docket's normal hours of operation, and special arrangements should be made for deliveries of boxed information.
- We note that this rulemaking overlaps in certain respects with two other related actions: the proposed rulemaking that the EPA published on January 8, 2014 to limit CO₂ emissions from newly constructed affected sources, and the proposed Clean Power Plan for existing power plants that the EPA is issuing at the same time as the present rulemaking. Each of these three rulemakings is independent of the other two, and each has its own rulemaking docket. Accordingly, commenters who wish to comment on any aspect of this rulemaking, including anything that overlaps an aspect of one or both of the other two related rulemakings, should make those comments on this rulemaking.