



Policy Options for Controlling Airport-Related Emissions

Final Technical Report

Grant #X82974001-1

Submitted to:

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August 31, 2004

The Center for Clean Air Policy (CCAP or the Center) worked to develop policy options to reduce air quality emissions from aviation through its project *Policy Options for Controlling Airport-Related Emissions*. The following report provides highlights of our work on aviation emissions as a part of this project. Material developed during the course of this project was either submitted during the project as a part of quarterly reports or attached to this document. (We note where the material was previously sent or is attached to this report.)

Participated in discussions of the EPA/FAA NO_x National Stakeholder Initiative

The Center participated in a number of discussions of the National NO_x Stakeholder Initiative presenting information on its work on aviation emissions and building upon its experience in other sectors. In particular, this information stemmed from the insights gained during the development of our papers for the technical report on policy responses to aviation-related emissions (see discussion of policy papers on local air quality below). The Center's involvement in this process included the following.

- The Center participated in a number of Framework Group discussions where key aspects of the voluntary agreement were discussed. The Center provided technical input on the merits of various proposals and suggested modifications to proposals where appropriate.

Developed papers on options for reducing local air quality emissions

In support of work evaluating options to reduce aviation-related air quality emissions, the Center developed a select number of technical papers including the following.

- The Center finalized a report, *Controlling Airport-Related Air Pollution*, which looked at options for controlling airport emissions. The Center contributed select components to the whole report and was the lead author on the Chapters discussing policy options and legal issues. This report has been used as the basis of several presentations and discussions by the Center. The policies addressed in this report and the supporting legal discussions will be extremely useful in providing guidance to national, state, and local decision-makers as they assess the appropriate response to local air quality emissions from aviation. [Document was sent earlier.]
- Provided a summary of the ATA Draft GSE Proposal and the discussions of the State representatives in response to the proposal. [Document is attached.]
- Developed a report, *Aircraft NO_x Emissions: Analysis of New CAEP NO_x Certification Standards and Options for Introducing Emissions Trading*, which analyzed the emissions levels at 15 airports in the US after the introduction of the new CAEP standard. In addition, the report summarizes the possible application of an airport bubble by considering data from a given airport. [Document is attached.]

Presentations to outside audiences

Throughout this project the Center provided a number of presentations to a variety of audiences on issues related to air quality emissions from aviation. These presentations served several important purposes, including: educating outside audiences on relevant actions; highlighting opportunities for policy actions; opening the discussion of policy responses, such as emissions

trading and voluntary agreements; and promoted feedback on key aspects of policy responses from the audiences. Over the course of the project presentations given by the Center include the following.

- The Center in collaboration with State partners presented a *State/NGO Aircraft “Straw” Proposal* to the National NO_x Stakeholder Initiative. [Presentation was sent earlier.]
- The Center gave a presentation, *EPA/FAA Stakeholder Process: Status and Next Steps*, to the NESCAUM Airport Workshop held in Baltimore, Maryland. [Presentation was sent earlier.]
- The Center gave a presentation, *Reducing Emissions from Aviation: Policy Options*, to the North American Motor Vehicle Emissions Control Conference in Tennessee. [Presentation was sent earlier.]

Discussed policy options with key policy makers

Over the project period the Center has participated in a number of conference calls and group meetings with a number of leading policymakers on air quality emissions. Participants in these meetings are often directly involved in several ongoing forums to discuss responses to aviation’s emissions. These conference calls and meetings were useful in providing an opportunity to educate participants, receive feedback on potential policy responses, highlight areas of concern and/or support, and open the lines of communication between groups that often do not actively interact. Conference calls and meetings that the Center participated in include the following.

- Through conference calls with State and NGO representatives, sometimes coordinated by the Center, we provided insight on potential policy opportunities and the merits of various proposals under consideration to reduce aviation emissions that contribute to air quality concerns. In addition, the Center participated in a number of meetings between Senior Level State representatives as they were discussing measures to reduce air quality emissions from domestic aviation.
- Discussed airport bubbles with representatives of the New Jersey Department of Environmental Protection at their offices in Trenton, New Jersey. Presented preliminary results of analysis of emissions at Newark Airport.

Attachments



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