

The Fall line Air Quality Study (FAQS) FY01-FY02 Budget Justification

Appropriated

To date, the General Assembly has appropriated a total of \$750,000 for the FAQS: \$375,000 in the FY00¹ Supplemental Budget (used to fully fund Phase I of the study), and another \$375,000 in the FY01 General Budget (which will partially fund Phase II of the study).

Requested

The following table shows, the total cost of Phase II is \$1,125,000. Thus, with the \$375,000 from the FY01 General Budget, ***Phase II requires an additional \$750,000 in FY01*** to reach full funding. It is vital that these funds be appropriated in the FY01 Supplemental Budget in order for the study to continue uninterrupted.

The table also shows that ***the total cost of Phase III is \$1,015,000 in FY02***. The initial budget request from EPD for FY02 is a duplication of the appropriated amount from FY01. This however, is insufficient to complete Phase III. In addition to EPD's \$375,000 request, ***an additional \$640,000 will need to be added to EPD's FY02 budget request*** to complete Phase III (total FY02 request: \$1,015,000).

To complete the study, ***Phase IV requires \$500,000 in FY03***.

FY01 - FY02 Justification

Phases II and III are the key elements of the FAQS. Unlike Phase I in which limited funds enabled enhanced diagnostic monitoring for only brief periods (11 days in each city), the plan in Phases II and III is to instrument and operate in each city enhanced monitoring for the whole smog season (May - September). In order to develop robust control strategies that are effective across the full range of meteorological conditions that occur in each area, it is important to observe the multiple meteorological scenarios presented across the whole smog season.

The bulk of the emissions inventory and air quality modeling work is also scheduled for Phases II and III. With validation of these elements provided by the data collected from the enhanced monitoring work, the emissions inventories and air quality modeling results are the primary products of the study that will be of relevance to the State and Federal regulatory process that will begin shortly after the conclusion of the FAQS.

If sufficient funds for Phase II are not appropriated in the FY01 supplemental budget, the comprehensive field studies scheduled for the 2001 smog season will have to be cancelled or postponed. This is because air pollution field studies must be completed during "smog season". Smog season in Georgia begins May 1. Even if funds are appropriated in the FY02 general budget, they are not available until July 1 -- too late to purchase, prepare, and deploy equipment and personnel in the field before smog season ends September 30.

¹ The State of Georgia operates on a fiscal year that begins July 1 and concludes on June 30 of the following year.

Fall line Air Quality Study Budget²

<u>Project Category</u>	<u>Contract Cost</u>
Phase I (May 1 - December 31, 2000)	
Preliminary Assessment	\$25,000 (Twenty-five Thousand)
Preliminary Inventory Development	\$100,000 (One Hundred Thousand)
Pilot Field Study	\$200,000 (Two Hundred Thousand)
Training and Outreach	\$25,000 (Twenty-five Thousand)
Program Administration	\$25,000 (Twenty-five Thousand)
Phase I Total	\$375,000 (Three Hundred, Seventy-five Thousand)
Phase II (January 1 - June 30, 2001)	
Air Quality Model Setup	\$100,000 (One Hundred Thousand)
Model Development and Validation	\$250,000 (Two Hundred, Fifty Thousand)
Inceptive Field Study	\$500,000 (Five Hundred Thousand)
Completion of Emissions Inventory	\$200,000 (Two Hundred Thousand)
Training and Outreach	\$40,000 (Forty Thousand)
Program Administration	\$35,000 (Thirty-five Thousand)
Phase II Total	\$1,125,000 (One Million, One Hundred Twenty-five Thousand)
Phase III (July 1, 2001 - June 30, 2002)	
Scenario Development and Simulation	\$300,000 (Three Hundred Thousand)
Permanent Monitoring Network	\$200,000 (Two Hundred Thousand)
Training and Outreach	\$30,000 (Thirty Thousand)
Corroborative Field Study	\$250,000 (Two Hundred Fifty Thousand)
Analysis	\$200,000 (Two Hundred Thousand)
Program Administration	\$35,000 (Thirty-five Thousand)
Phase III Total	\$1,015,000 (One Million, Fifteen Thousand)
Phase IV (July 1 - December 31, 2002)	
Technology Transfer	\$150,000 (One Hundred Fifty Thousand)
Recommendations and Action Plan Development	\$325,000 (Three Hundred Twenty-five Thousand)
Final Report	\$25,000 (Twenty-five Thousand)
Phase IV Total	\$500,000 (Five Hundred Thousand)
Project Total	\$3,015,000 (Three Million, Fifteen Thousand)

² As outlined in the contract by and between the Environmental Protection Division, Department of Natural Resources, State of Georgia and the School of Earth and Atmospheric Sciences, Georgia Institute of Technology (#773-090108); 1 May 2000.