

**State of California**

**AIR RESOURCES BOARD**

Resolution 88-11  
February 19, 1988

**WHEREAS**, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

**WHEREAS**, an unsolicited research proposal, Number 1553-135R, entitled "Crop Loss from Air Pollutants Assessment Program," has been submitted by the University of California, Riverside;

**WHEREAS**, the Research Division staff has reviewed and recommended this proposal for approval; and

**WHEREAS**, the Research Screening Committee has reviewed and recommends for funding:


Proposal Number 1553-135R, entitled "Crop Loss from Air Pollutants Assessment Program," submitted by the University of California, Riverside, for a total amount not to exceed \$97,979.

**NOW, THEREFORE, BE IT RESOLVED**, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

Proposal Number 1553-135R, entitled "Crop Loss from Air Pollutants Assessment Program," submitted by the University of California, Riverside, for a total amount not to exceed \$97,979.

**BE IT FURTHER RESOLVED**, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed \$97,979.

I hereby certify that the above is a true and correct copy of Resolution 88-11, as adopted by the Air Resources Board.



Cary Allison  
Board Secretary

**State of California**

**AIR RESOURCES BOARD**

Resolution 88-12  
February 19, 1988

**WHEREAS**, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

**WHEREAS**, an unsolicited research proposal, Number 1565-136R, entitled "The Effects of Ozone on Photosynthesis, Vegetative Growth, and Development of Woody Perennials in The San Joaquin Valley of California" submitted by the University of California, Davis;

**WHEREAS**, the Research Division staff has reviewed and recommended this proposal for approval; and

**WHEREAS**, the Research Screening Committee has reviewed and recommends for funding:

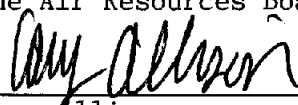
Proposal Number 1565-136R, entitled "The Effects of Ozone on Photosynthesis, Vegetative Growth, and Development of Woody Perennials in The San Joaquin Valley of California" submitted by the University of California, Davis, for a total amount not to exceed \$165,758.

**NOW, THEREFORE, BE IT RESOLVED**, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

Proposal Number 1565-136R, entitled "The Effects of Ozone on Photosynthesis, Vegetative Growth, and Development of Woody Perennials in The San Joaquin Valley of California" has been submitted by the University of California, Davis, for a total amount not to exceed \$165,758.

**BE IT FURTHER RESOLVED**, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein in an amount not to exceed \$165,758.

I hereby certify that the above is a true and correct copy of Resolution 88-12, as adopted by the Air Resources Board.



Cary Allison  
Board Secretary

# B U D G E T   S U M M A R Y

University of California, Davis

"The Effects of Ozone on Photosynthesis, Vegetative Growth,  
and Development of Woody Perennials in  
The San Joaquin Valley of California"

## BUDGET ITEMS:

Salaries	\$55,566	
Benefits	17,321	
Equipment	30,902	
Supplies	40,250	
Travel	6,050	
Other Costs	<u>600</u>	
<b>TOTAL, Direct Cost</b>		<b>\$150,689</b>
<b>TOTAL, Indirect Cost</b>		<b><u>15,069</u></b>
	<b>TOTAL PROJECT COST</b>	<b>\$165,758</b>
		<b>=====</b>

## Equipment:

Portable Photosynthesis Unit -	\$8,600
OREC Ozone Generator, Model 03V10-AR -	\$5,550
OREC Ozone Generator, Model SP19-AR -	\$13,552
Mass Flow Controllers -	\$3,200

State of California

AIR RESOURCES BOARD

Resolution 88-13  
February 19, 1988

**WHEREAS**, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

**WHEREAS**, a request for budget augmentation for Contract No. A6-099-32, entitled "Southern California Air Quality Study: PAN Measurements at Class B Stations -- Proposal for PAN Calibration and Methyl Nitrate Measurements," has been submitted by Daniel Grosjean and Associates, Inc.; and

**WHEREAS**, the Research Division staff has reviewed and recommended this augmentation for approval; and

**WHEREAS**, the Research Screening Committee has reviewed and recommends for funding:


Augmentation to Contract No. A6-099-32, entitled "Southern California Air Quality Study: PAN Measurements at Class B Stations -- Proposal for PAN Calibration and Methyl Nitrate Measurements," submitted by Daniel Grosjean and Associates, Inc. by \$21,230 for a total amount not to exceed \$82,381.

**NOW, THEREFORE, BE IT RESOLVED**, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

Augmentation to Contract No. A6-099-32, entitled "Southern California Air Quality Study: PAN Measurements at Class B Stations -- Proposal for PAN Calibration and Methyl Nitrate Measurements," submitted by Daniel Grosjean and Associates, Inc. by \$21,230 for a total amount not to exceed \$82,381.

**BE IT FURTHER RESOLVED**, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein, by \$21,230 for a total amount not to exceed \$82,381.

I hereby certify that the above is a true and correct copy of Resolution 88-13, as adopted by the Air Resources Board.

  
\_\_\_\_\_  
Cary Allison  
Board Secretary

**B U D G E T   S U M M A R Y**

Daniel Grosjean and Associates, Inc.

"Southern California Air Quality Study:  
PAN Measurements at Class B Stations -- Proposal for PAN  
Calibration and Methyl Nitrate Measurements"

**BUDGET ITEMS:**

Salaries	\$8430
Benefits	1172
Supplies	3200
Travel	<u>1720</u>

<b>TOTAL, Direct Cost</b>	<b>\$14,522</b>
<b>TOTAL, Indirect Cost</b>	<b><u>6,708</u></b>

<b>TOTAL PROJECT COST</b>	<b>\$21,230</b>
<hr/>	

State of California

AIR RESOURCES BOARD

Resolution 88-14

February 19, 1988

**WHEREAS**, the Air Resources Board has been directed to carry out an effective research program in conjunction with its efforts to combat air pollution, pursuant to Health and Safety Code Sections 39700 through 39705; and

**WHEREAS**, a request for budget augmentation for Contract No. A5-153-33, entitled "Effects of Ozone on Cellular Synthesis and Viral Replication In Vitro," has been submitted by the University of California, Davis; and

**WHEREAS**, the Research Division staff has reviewed and recommended this augmentation for approval; and

**WHEREAS**, the Research Screening Committee has reviewed and recommends for funding:

Augmentation to Contract No. A5-153-33, entitled "Effects of Ozone on Cellular Synthesis and Viral Replication In Vitro," submitted by the University of California, Davis by \$2,431 for a total amount not to exceed \$45,784.

**NOW, THEREFORE, BE IT RESOLVED**, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39703, hereby accepts the recommendation of the Research Screening Committee and approves the following:

Augmentation to Contract No. A5-153-33, entitled "Effects of Ozone on Cellular Synthesis and Viral Replication In Vitro," submitted by the University of California, Davis by \$2,431 for a total amount not to exceed \$45,784.

**BE IT FURTHER RESOLVED**, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts for the research effort proposed herein, by \$2,431 for a total amount not to exceed \$45,784.

I hereby certify that the above is a true and correct copy of Resolution 88-14, as adopted by the Air Resources Board.

  
\_\_\_\_\_  
Cary Allison  
Board Secretary