

State of California
AIR RESOURCES BOARD

Resolution 91-11

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, a solicited research proposal, Number 1843-162 entitled "Evaluation of Emission Controls for Locomotives," has been submitted by Engine, Fuel, and Emissions Engineering;

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:

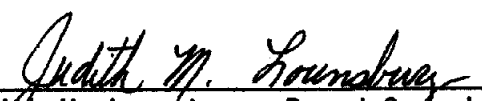
Proposal Number 1843-162, entitled "Evaluation of Emission Controls for Locomotives," submitted by Engine, Fuel, and Emissions Engineering, for a total amount not to exceed \$144,223.

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 1843-162, entitled "Evaluation of Emission Controls for Locomotives," submitted by Engine, Fuel, and Emissions Engineering, for a total amount not to exceed \$144,223.

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 \$144,223.

I hereby certify that the above
is a true and correct copy of
Resolution 91-11, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-12

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, a solicited research proposal, Number 1850-162 entitled "Development of Intermedia Transfer Factors for Toxic Air Pollutants," has been submitted by the University of California, Los Angeles,

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:

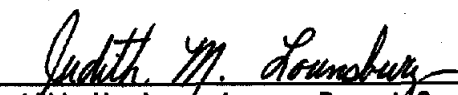
Proposal No. 1850-162 entitled "Development of Intermedia Transfer Factors for Toxic Air Pollutants," submitted by the University of California, Los Angeles, for a total amount not to exceed \$132,599.

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 No. 1850-162, entitled "Development of Intermedia Transfer Factors for Toxic Air Pollutants," submitted by the University of California, Los Angeles, for a total amount not to exceed \$132,599.

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 \$132,599.

I hereby certify that the above
is a true and correct copy of
Resolution 91-12, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-14

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, an unsolicited research proposal, Number 1857-162 entitled "Measurement of Particulate Exposures During Rice Farming Operations," has been 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:

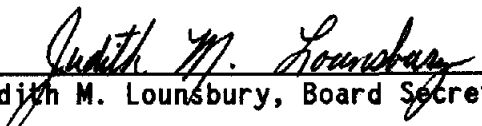
Proposal No. 1857-162 entitled "Measurement of Particulate Exposures During Rice Farming Operations," submitted by the University of California, Davis, for a total amount not to exceed \$74,800.

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 No. 1857-162, entitled "Measurement of Particulate Exposures During Rice Farming Operations," submitted by the University of California, Davis, for a total amount not to exceed \$74,800.

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 \$74,800.

I hereby certify that the above
is a true and correct copy of
Resolution 91-14, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-15
April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, an unsolicited research proposal, Number 1840-162, entitled "Incidence of Chronic Disease and Long-Term Ambient Concentrations of PM10 as Estimated from Monitored Total Suspended Particulates," has been submitted by the Loma Linda University Preventive Medicine Medical Group; 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:

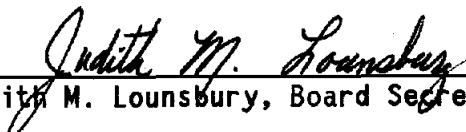
Proposal Number 1852-162, entitled "Incidence of Chronic Disease and Long-term Ambient Concentrations of PM10 as Estimated from Monitored Total Suspended Particulates," submitted by the Loma Linda University Preventive Medicine Medical Group, for a total amount not to exceed \$50,062.

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 1852-162, entitled "Incidence of Chronic Disease and Long-term Ambient Concentrations of PM10 as Estimated from Monitored Total Suspended Particulates," submitted by the Loma Linda University Preventive Medicine Medical Group, for a total amount not to exceed \$50,062.

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 \$50,062.

I hereby certify that the above
is a true and correct copy of
Resolution 91-15, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-16

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, an unsolicited research proposal, Number 1840-162, entitled "Effects of Ozone on Proteases and Protease Inhibitors in Human and Rat Lungs," has been submitted by the University of California, Irvine;

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:

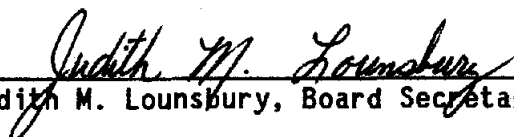
Proposal Number 1840-162, entitled "Effects of Ozone on Proteases and Protease Inhibitors in Human and Rat Lungs," submitted by the University of California, Irvine, for a total amount not to exceed \$157,858.

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 1840-162, entitled "Effects of Ozone on Proteases and Protease Inhibitors in Human and Rat Lungs," submitted by the University of California, Irvine, for a total amount not to exceed \$157,858.

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 \$157,858.

I hereby certify that the above is a true and correct copy of Resolution 91-16, as adopted by the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-17

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, an unsolicited proposal, Number 1853-162 entitled "Neurological Effects of Low-Level Methanol in Normal and Folate-Deficient Humans," has been submitted by the University of California, San Francisco;

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:

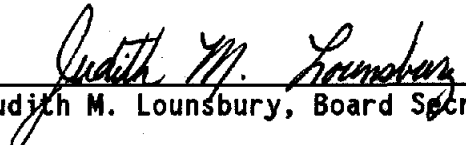
Proposal Number 1853-162, entitled "Neurological Effects of Low-Level Methanol in Normal and Folate-Deficient Humans," submitted by the University of California, San Francisco, for a total amount not to exceed \$339,968.

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 1853-162, entitled "Neurological Effects of Low-Level Methanol in Normal and Folate-Deficient Humans," submitted by the University of California, San Francisco, for a total amount not to exceed \$339,968.

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 \$339,968.

I hereby certify that the above
is a true and correct copy of
Resolution 91-17, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-18

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, an unsolicited proposal, Number 1854-162 entitled "Crop and Forest Losses from Air Pollutants: A Computer- and Field-Based 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:

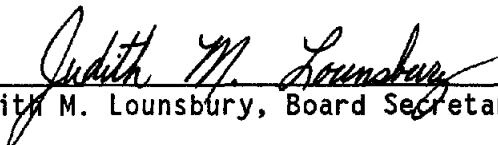
Proposal Number 1854-162, entitled "Crop and Forest Losses from Air Pollutants: A Computer- and Field-Based Assessment Program," submitted by the University of California, Riverside, for a total amount not to exceed \$97,905.

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 1854-162, entitled "Crop and Forest Losses from Air Pollutants: A Computer- and Field-Based Assessment Program," submitted by the University of California, Riverside, for a total amount not to exceed \$97,905.

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 \$97,905.

I hereby certify that the above
is a true and correct copy of
Resolution 91-18, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-19

April 11, 1991

Agenda Item No.: 91-3-4

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;

WHEREAS, an unsolicited research proposal, Number 1855-162 entitled "Effects of Acute Ozone Inhalation in Young Adult Females," has been 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:

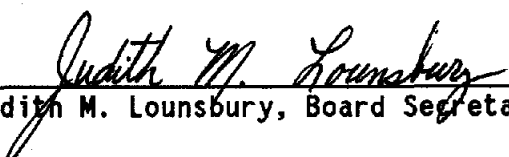
Proposal Number 1855-162, entitled "Effects of Acute Ozone Inhalation in Young Adult Females," submitted by the University of California, Davis, for a total amount not to exceed \$15,729.

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 1855-162, entitled "Effects of Acute Ozone Inhalation in Young Adult Females," submitted by the University of California, Davis, for a total amount not to exceed \$15,729.

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 \$15,729.

I hereby certify that the above is a true and correct copy of Resolution 91-19, as adopted by the Air Resources Board.


Judith M. Lounsbury, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 91-20

April 11, 1991

Agenda Item No.: 91-3-4

WHEREAS, the Air Resources Board has been directed to design and implement a comprehensive program of research and monitoring of acid deposition in California pursuant to Health and Safety Code Sections 39900 through 39911;

WHEREAS, an unsolicited research proposal, Number 223-41 entitled "Assessment of Acidic Deposition and Ozone Effects on Conifer Forests in the San Bernardino Mountains," has been submitted by the United States Forest Service, Pacific Southwest Research Station,

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

WHEREAS, the Scientific Advisory Committee on Acid Deposition has reviewed and recommends for funding:

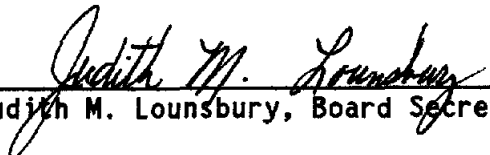
Proposal Number 223-41 entitled "Assessment of Acidic Deposition and Ozone Effects on Conifer Forests in the San Bernardino Mountains," submitted by the United States Forest Service, Pacific Southwest Research Station, for a total amount not to exceed \$698,680.

NOW, THEREFORE, BE IT RESOLVED, that the Air Resources Board, pursuant to the authority granted by Health and Safety Code Section 39904, hereby accepts the recommendation of the Scientific Advisory Committee on Acid Deposition and approves the following:

Proposal Number 223-41 entitled "Assessment of Acidic Deposition and Ozone Effects on Conifer Forests in the San Bernardino Mountains," submitted by the United States Forest Service, Pacific Southwest Research Station, for a total amount not to exceed \$698,680.

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 \$698,680.

I hereby certify that the above
is a true and correct copy of
Resolution 91-20, as adopted by
the Air Resources Board.


Judith M. Lounsbury, Board Secretary