State of California

AIR RESOURCES BOARD

Resolution 91-45
October 11, 1991

Agenda Item No.: 91-9-2

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 interagency research proposal, Number 1917-165, entitled "Development of a Land Use/Travel Model," has been submitted by the University of California, Davis; and

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 1917-165 entitled "Development of a Land Use/Travel Model," submitted by the University of California, Davis, for a total amount not to exceed $151,445.

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 1917-165 entitled "Development of a Land Use/Travel Model", submitted by the University of California, Davis, for a total amount not to exceed $151,445.

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 $151,445.

I hereby certify that the above is a true and correct copy of Resolution 91-45, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 91-46
October 11, 1991

Agenda Item No.: 91-9-2

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 interagency research proposal, Number 1869-164R, entitled "Formation of Mutagens from Atmospheric Reactions of Polycyclic Aromatic Hydrocarbons in Ambient Air," has been submitted by the University of California, Riverside, and

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. 1869-164R entitled "Formation of Mutagens from Atmospheric Reactions of Polycyclic Aromatic Hydrocarbons in Ambient Air," submitted by the University of California, Riverside, for a total amount not to exceed $69,963.

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. 1869-164R entitled "Formation of Mutagens from Atmospheric Reactions of Polycyclic Aromatic Hydrocarbons in Ambient Air," submitted by the University of California, Riverside, for a total amount not to exceed $69,963.

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 $69,963.

I hereby certify that the above is a true and correct copy of Resolution 91-46, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 91-47
October 11, 1991

Agenda Item No. 91-9-2

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 solicited research proposal, Number 1881-165, entitled "Analysis of Indirect Source Trip Activity," has been submitted by JHK & Associates; and

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 1881-165 entitled "Analysis of Indirect Source Trip Activity," submitted by JHK & Associates, for a total amount not to exceed $159,997.

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 1881-165 entitled "Analysis of Indirect Source Trip Activity," submitted by JHK & Associates, for a total amount not to exceed $159,997.

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 $159,997.

I hereby certify that the above is a true and correct copy of Resolution 91-47, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 91-48
October 11, 1991

Agenda Item No.: 91-9-2

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 solicited research proposal, Number 1871-165, entitled "Feasibility of Reducing Nitrogen Oxide Emissions from Heavy-Duty Vehicles," has been submitted by Acurex Corporation, and

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. 1871-165 entitled "Feasibility of Reducing Nitrogen Oxide Emissions from Heavy-Duty Vehicles," submitted by Acurex Corporation, for a total amount not to exceed $170,599.

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. 1871-165 entitled "Feasibility of Reducing Nitrogen Oxide Emissions from Heavy-Duty Vehicles," submitted by Acurex Corporation, for a total amount not to exceed $170,599.

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 $170,599.

I hereby certify that the above is a true and correct copy of Resolution 91-48, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 91-49
October 11, 1991

Agenda Item No.: 91-9-2

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 solicited research proposal, Number 1906-165, entitled "Assessment of Airborne Emissions from Bioremediation Processes," has been submitted by the University of California, Davis, and

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. 1906-165 entitled "Assessment of Airborne Emissions from Bioremediation Processes," submitted by the University of California, Davis, for a total amount not to exceed $88,301.

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. 1906-165 entitled "Assessment of Airborne Emissions from Bioremediation Processes," submitted by the University of California, Davis, for a total amount not to exceed $88,301.

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 $88,301.

I hereby certify that the above is a true and correct copy of Resolution 91-49, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 91-50
October 11, 1991

Agenda Item No.: 91-9-2

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; and

WHEREAS, an interagency research proposal, Number 230-43, entitled "The Development of a Modular System for Acidic Deposition Monitoring," has been submitted by the University of California, Davis; and

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 230-43 entitled "The Development of a Modular System for Acidic Deposition Monitoring," submitted by the University of California, Davis, for a total amount not to exceed $45,346.

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 230-43 entitled "The Development of a Modular System for Acidic Deposition Monitoring," submitted by the University of California, Davis, for a total amount not to exceed $45,346.

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 $45,346.

I hereby certify that the above is a true and correct copy of Resolution 91-50, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary

State of California

AIR RESOURCES BOARD

Resolution 91-51
October 11, 1991

Agenda Item No.: 91-9-2

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; and

WHEREAS, an interagency research proposal, Number 231-43, entitled "Gas Exchange in Ponderosa Pine in Response to Atmospheric Pollution," has been submitted by the University of California, Berkeley, and

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 231-43 entitled "Gas Exchange in Ponderosa Pine in Response to Atmospheric Pollution," submitted by the University of California, Berkeley, for a total amount not to exceed $186,907.

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 231-43 entitled "Gas Exchange in Ponderosa Pine in Response to Atmospheric Pollution," submitted by the University of California, Berkeley, for a total amount not to exceed $186,907.

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 $186,907.

I hereby certify that the above is a true and correct copy of Resolution 91-51, as adopted by the Air Resources Board.

Patricia Hutchens

Patricia Hutchens, Board Secretary