State of California
AIR RESOURCES BOARD

Resolution 87-69
September 10, 1987

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 Number A5-196-32, entitled "Southern California Air Quality Study: Installation and Operation of Type B Stations," has been submitted by AeroVironment; 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:

> Augmentation to Contract Number A5-196-32, entitled "Southern California Air Quality Study: Installation and Operation of Type B Stations," submitted by AeroVironment for a total amount not to exceed $123,038.

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 Number A5-196-32, entitled "Southern California Air Quality Study: Installation and Operation of Type B Stations," submitted by AeroVironment for a total amount not to exceed $123,038.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $123,038 for a total amount not to exceed $711,947.

I hereby certify that the above is a true and correct copy of Resolution 87-69, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-70
September 10, 1987

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 Number A6-099-32, entitled "Southern California Air Quality Study: Measurement of Pexoryacetyl Nitrate (PAN)," has been submitted by Daniel Grosjean and 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:

> Augmentation to Contract Number A6-099-32, entitled "Southern California Air Quality Study: Measurement of Pexoryacetyl Nitrate (PAN)," submitted by Daniel Grosjean and Associates for a total amount not to exceed $21,930.

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 Number A6-099-32, entitled "Southern California Air Quality Study: Measurement of Pexoryacetyl Nitrate (PAN)," submitted by Daniel Grosjean and Associates for a total amount not to exceed $21,930.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $21,930 for a total amount not to exceed $61,151.

I hereby certify that the above is a true and correct copy of Resolution 87-70, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-71
September 10, 1987

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 Number A6-112-32, entitled "Acidic Aerosol Size Distribution During SCAQS," has been submitted by the California Public Health Foundation; 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:

> Augmentation to Contract Number A6-112-32, entitled "Acidic Aerosol Size Distribution During SCAQS," submitted by the California Public Health Foundation for a total amount not to exceed $5,303.

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 Number A6-112-32, entitled "Acidic Aerosol Size Distribution During SCAQS," submitted by the California Public Health Foundation for a total amount not to exceed $5,303.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $5,303 for a total amount not to exceed $238,252.

I hereby certify that the above is a true and correct copy of Resolution 87-71, as adopted by the Air Resources Board.

Harold Holmes

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-72
September 10, 1987

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 Number A4-186-32, entitled "Southern California Air Quality Study: Sample Analyses and Reporting," has been submitted by Environmental Monitoring Services, Inc.; 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:

> Augmentation to Contract Number A5-186-32, entitled "Southern California Air Quality Study: Sample Analyses and Reporting," submitted by Environmental Monitoring Services, Inc. for a total amount not to exceed $41,200.

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 Number A5-186-32, entitled "Southern California Air Quality Study: Sample Analyses and Reporting," submitted by Environmental Monitoring Services, Inc. for a total amount not to exceed $41,200.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $41,200 for a total amount not to exceed $426,544.

I hereby certify that the above is a true and correct copy of Resolution 87-72, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-73
September 10, 1987

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 Number A5-157-32, entitled "Southern California Air Quality Study: Program Management," has been submitted by Sonoma Technology, Inc.; 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:

> Augmentation to Contract Number A5-157-32, entitled "Southern California Air Quality Study: Program Management," submitted by Sonoma Technology, Inc., for a total amount not to exceed $105,862.

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 Number A5-157-32, entitled "Southern California Air Quality Study: Program Management," submitted by Sonoma Technology, Inc. for a total amount not to exceed $105,862.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $105,862 for a total amount not to exceed $494,846.

I hereby certify that the above is a true and correct copy of Resolution 87-73, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-74
September 10, 1987

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 Number A6-098-32, entitled "Southern California Air Quality Study: Aircraft Measurements," has been submitted by Sonoma Technology, Inc.; 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:

> Augmentation to Contract Number A6-098-32, entitled "Southern California Air Quality Study: Aircraft Measurements," submitted by Sonoma Technology, Inc. for a total amount not to exceed $59,978.

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 Number A6-098-32, entitled "Southern California Air Quality Study: Aircraft Measurements," submitted by Sonoma Technology, Inc. for a total amount not to exceed $59,978.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $59,978 for a total amount not to exceed $334,878.

I hereby certify that the above is a true and correct copy of Resolution 87-74, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-75
September 10, 1987

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 Number A6-097-32, entitled "Meteorological Support Program," has been submitted by Technical and Business Systems; 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:

> Augmentation to Contract Number A6-097-32, entitled "Meteorological Support Program," submitted by Technical and Business Systems for a total amount not to exceed $73,397.

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 Number A6-097-32, entitled "Meteorological Support Program," submitted by Technical and Business Systems for a total amount not to exceed $73,397.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $73,397 for a total amount not to exceed $402,543.

I hereby certify that the above is a true and correct copy of Resolution 87-75, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-76
September 10, 1987

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 Number A6-146-32, entitled "Measurement of Nitrous Acid, Nitrate Radical, and Formaldehyde," 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:

> Augmentation to Contract Number A6-146-32, entitled "Measurement of Nitrous Acid, Nitrate Radical, and Formaldehyde," submitted by the University of California, Riverside for a total amount not to exceed $13,204.

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 Number A6-146-32, entitled "Measurement of Nitrous Acid, Nitrate Radical, and Formaldehyde," submitted by the University of California, Riverside for a total amount not to exceed $13,204.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby authorized to initiate administrative procedures and execute all necessary documents and contracts to augment the research effort referred to herein by $13,204 for a total amount not to exceed $173,020.

I hereby certify that the above is a true and correct copy of Resolution 87-76, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-77
September 10, 1987

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 1554-135, entitled "Southern California Air Quality Study: Continuous Particulate Organic Carbon Measurements," has been submitted by the Oregon Graduate Center;

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 1554-135, entitled "Southern California Air Quality Study: Continuous Particulate Organic Carbon Measurements," submitted by the Oregon Graduate Center for a total amount not to exceed $22,735.

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 1554-135, entitled "Southern California Air Quality Study: Continuous Particulate Organic Carbon Measurements," submitted by the Oregon Graduate Center for a total amount not to exceed $22,735.

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 $22,735.

I hereby certify that the above is a true and correct copy of Resolution 87-77, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-78
September 10, 1987

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 1555-135, entitled "Southern California Air Quality Study: Tunable Diode Laser Absorption Spectrometer Measurements of Peroxide," has been submitted by Unisearch Associates, Inc.;

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 1555-135, entitled "Southern California Air Quality Study: Tunable Diode Laser Absorption Spectrometer Measurements of Peroxide," submitted by Unisearch Associates, Inc. for a total amount not to exceed $39,663.

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 1555-135, entitled "Southern California Air Quality Study: Tunable Diode Laser Absorption Spectrometer Measurements of Peroxide," submitted by Unisearch Associates, Inc. for a total amount not to exceed $39,663.

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 $39,663.

I hereby certify that the above is a true and correct copy of Resolution 87-78, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-79
September 10, 1987

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 1556-135, entitled "Southern California Air Quality Study: Size-Resolved Particle Composition," 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 1556-135, entitled "Southern California Air Quality Study: Size-Resolved Particle Composition," submitted by the University of California, Davis for a total amount not to exceed $22,055.

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 1555-135, entitled "Southern California Air Quality Study: Size-Resolved Particle Composition," submitted by the University of California, Davis for a total amount not to exceed $22,055.

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 $22,055.

I hereby certify that the above is a true and correct copy of Resolution 87-79, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary

State of California
AIR RESOURCES BOARD

Resolution 87-80
September 10, 1987

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 1557-135, entitled "Southern California Air Quality Study: Size-Resolved Aerosol Carbon," has been submitted by the University of Minnesota;

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 1557-135, entitled "Southern California Air Quality Study: Size-Resolved Aerosol Carbon," submitted by the University of Minnesota, for a total amount not to exceed $12,384.

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 1555-135, entitled "Southern California Air Quality Study: Size-Resolved Aerosol Carbon," submitted by the University of Minnesota, for a total amount not to exceed $12,384.

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 $12,384.

I hereby certify that the above is a true and correct copy of Resolution 87-80, as adopted by the Air Resources Board.

Harold Holmes, Board Secretary