

State of California  
AIR RESOURCES BOARD

**PROPOSED RESEARCH PLAN, FISCAL YEAR 2017-2018**

Resolution 17-15

**April 27, 2017**

Agenda Item No.: 17-4-4

WHEREAS, the Legislature has declared that an effective research program is an integral part of the broad-based statewide effort to combat air pollution in California, pursuant to Health and Safety Code sections 39700-39705;

WHEREAS, the Air Resources Board (ARB or Board) has been directed to administer and coordinate all air pollution research funded, in whole or in part, with State funds, pursuant to Health and Safety Code section 39703;

WHEREAS, ARB has been directed to establish objectives for air pollution research in California, pursuant to Health and Safety Code section 39703;

WHEREAS, ARB has been directed to appoint a Research Screening Committee of outside experts to give advice and recommendations with respect to all air pollution research projects funded by the State, pursuant to Health and Safety Code section 39705;

WHEREAS, staff will present to the Board an annual plan to carry out the research needs outlined in the *Proposed Research Plan, Fiscal Year 2017-2018* (Plan), for air quality and climate research in California;

WHEREAS, research included in the Plan will advance the state of the science and improve the Board's ability to evaluate the health benefits of its programs, and assess disproportionate exposure in disadvantaged communities by monitoring, modeling and developing mitigation strategies for the emissions of toxic air contaminants and criteria pollutants. The proposed projects will also support the Board's efforts to meet California's climate goals by evaluating automated technologies for light- and heavy-duty vehicles, developing strategies for greenhouse gas reductions at the community scale, updating inventories for short-lived climate pollutants, and assessing novel mitigation strategies in the agricultural sector;

WHEREAS, this research will also support progress towards California's air quality goals by improving our understanding of atmospheric chemistry and physics, and through better measuring mobile source emissions to verify the effectiveness of light-duty vehicle emission reduction programs; and

WHEREAS, the Board finds that the Plan satisfies Health and Safety Code Section 39701 which requires ARB to coordinate and collect research data on air pollution,

including investigating air pollution problems and solutions and identifying knowledge gaps. The projects contained in the Plan will fill knowledge gaps in the areas of motor vehicle emissions control, atmospheric chemistry and physics, and the impact of exposure to multiple pollutants on human health.

NOW, THEREFORE, BE IT RESOLVED that the Board, pursuant to the authority granted by Health and Safety Code sections 39700-39705, hereby approves the *Proposed Research Plan, Fiscal Year 2017-2018*.

I hereby certify that the above is a true and correct copy of Resolution 17-15 as adopted by the Air Resources Board.

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Rana McReynolds, Clerk of the Board