

**State of California  
Air Resources Board  
Board Item Summary**

**Item # 22-1-2: Public Meeting to Consider the Proposed  
Research Projects for Fiscal Year 2022-2023**

**Staff Recommendation:**

The California Air Resources Board (CARB or Board) staff recommends that the Board approve the Proposed Research Projects for Fiscal Year 2022-2023.

**Discussion:**

In establishing the state's approach to achieving clean air, the Legislature declared that an effective research program is an integral part of the statewide effort to combat air pollution. The Legislature directed CARB to administer and coordinate all air pollution research funded, in whole or in part, with state funds. When the research program was created in 1971, CARB established research objectives, and in accordance with legislative direction, appointed a Research Screening Committee (RSC). The RSC is composed of external experts to provide advice and recommendations with respect to air pollution research projects funded by CARB's research program.

On March 25, 2021, the Board approved the Fiscal Year 2021-2024 Triennial Strategic Research Plan (Plan). The Plan provides details on past and current research activities, as well as remaining research needs that serve as a guide for the development of future research projects that will support the Board's mission. Staff will present updates and progress on fulfilling the initiatives presented in the Plan, including CARB's efforts to date to operationalize racial equity in CARB research.

For fiscal year 2022-2023, CARB is proposing seven research projects that each address multiple research initiatives identified in the Triennial Strategic Research Plan. By investing in these projects, CARB can address long-term goals and challenges holistically. CARB is also proposing two white papers that will analyze the state of the science and identify research gaps for emerging priority areas to shape future research projects.

The research program continues to focus on issues that are unique to California and its priority populations and communities and to leverage and complement research supported by other funding organizations. The projects proposed for fiscal year 2022-2023 will inform the state's efforts to maximize health, environmental, and economic co-benefits; create additional health endpoints to assess our programs; leverage new tools and methods to identify and refine mitigation strategies to support air quality goals; and support the equitable and sustainable communities.

The proposed research projects will support the Board's decision-making and effective program implementation. A research budget of approximately \$3.8 million is anticipated to

fund seven projects and two white papers in fiscal year 2022-2023. Staff will also outline additional potential research projects that could be pursued if more funding becomes available.

Board approval of the Proposed 2022-2023 Research Projects will authorize staff to proceed with developing these research projects.

**Summary and Impacts:**

The proposed research projects will advance CARB’s fundamental health, environmental justice, atmospheric science, and sustainable transportation research, support new and improved strategies to reduce air pollution and greenhouse gas emissions, and monitor program implementation and effectiveness. These research projects will support the Board’s decision-making and effective program implementation. A research budget of approximately \$3.8 million is anticipated to fund seven projects and two white papers in fiscal year 2022-2023.

Board approval of the Proposed Research Projects for Fiscal Year 2022-2023 will authorize staff to proceed with developing these research projects.