[PRE-PROPOSAL TITLE]

# Submitted by:

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| --- | --- | --- | --- | --- |
| **Project Role (PI, Co-PI or Co-I)** | **Name** | **Affiliation** | **Specialty** | **Participated in a CARB Research Contract previously?** |
| PI |  |  |  | **[Yes, Most recent year/No]** |
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# Proposed sub-contractors:

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| **Project Role**  | **Name** | **Affiliation** | **Specialty** | **Participated in a CARB Research Contract previously?** |
| Sub-C |  |  |  | **[Yes, Most recent year/No]** |
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# Conflict of Interest Requirements

Members of CARB advisory bodies **may not** be signatories to the contract, be listed as completing tasks in the scope of work or communicate with CARB regarding CARB’s decision on the proposed contracts. The CARB advisory bodies include:

* [AB32 Environmental Justice Advisory Committee](https://ww2.arb.ca.gov/ab-32-environmental-justice-advisory-committee)
* [AB 617 Consultation Group](https://ww2.arb.ca.gov/sites/default/files/2022-05/CG_Membership_05_2022.pdf)
* [Scientific Review Panel on Toxic Air Contaminants](https://ww2.arb.ca.gov/members-scientific-review-panel)
* [Research Screening Committee](https://ww2.arb.ca.gov/our-work/programs/research-planning/research-screening-committee)
* [Natural and Working Lands Expert Advisory Committee](https://resources.ca.gov/Initiatives/Expanding-Nature-Based-Solutions) (new, under AB 1757)

If an active CARB advisory body member makes a prohibited appearance or communication subject to Government Code section 87104 as described above, this application will not be eligible for an award.

Please verify that none of the collaborators on the research team applying for this contract are part of a CARB Advisory Body. Please check the links to the Advisory Bodies above for names of individual Advisory Body members.

|  |
| --- |
| I certify that none of the research team members or collaborators contributing to this application are part of a CARB Advisory Body, nor have any CARB Advisory Body members communicated with the applying research team regarding this project. |
|  |

**Add a digital signature in the blank box above to certify that the above statement is accurate.**

# Additional Conflict of Interest Notification

CARB’s Board has members affiliated with various university departments. Contracts developed with academic researchers affiliated with the following University of California and California State University Departments must be brought before the Board as consent items. Those affiliated are still encouraged to apply. If the pre-proposal is chosen for contract development, early notification of this affiliation allows CARB staff to plan for Board consent items. Pre-proposal submitters are asked to verify whether they have affiliation with the following departments.

Please mark whether you, co-PI, subcontractors and consultants are affiliated with any of the departments below. If you are not affiliated with any of the departments listed, leave the boxes blank. Please certify by signing below.

|  |  |
| --- | --- |
| Yes, I am affiliated | Department |
|  | Department of Civil and Environmental Engineering, University of California, Berkeley |
|  | Transportation and Sustainability Research Center, Institute of Transportation Studies at the University of California, Berkeley |
|  | Department of Environmental Health Sciences, University of California, Berkeley |
|  | Department of Medicine, University of California, San Francisco |
|  | Central Valley Health Policy Institute, California State University, Fresno |

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| I certify that the information provided above is correct. |
|  |

**Add a digital signature in the blank box above to certify that the above statement is accurate.**

# Funding Year 2024-2025 Project Solicitation List

This is a pre-proposal being submitted to the California Air Resources Board (CARB) Research Program for funding year 2025-2026 and under the following project:

|  |  |  |  |
| --- | --- | --- | --- |
| Select one | Project title | Pre-Proposal Due Date | Maximum award amount |
|  | Multi-pesticide monitoring and sampling method development | 05-02-2025 | $400,000 |
|  | Effectiveness of advanced air purifiers and filtration for reducing H2S, NO2, VOCs and additional non-PM air pollutants | 05-02-2025 | $600,000 |

# 1. Technical Pre-Proposal

**[5-page limit. Font: Calibri. Font size: 12. Margins: 1 inch. Describe the approach for completing Project Tasks. Check scoring criteria and do not copy solicitation text]**

## Abstract

**[Provide a statement of the problem, objectives, main methods, expected results, and benefit to the state and/or the public]**

## Introduction

## Proposed Method

**[Please describe how you intend to complete the work and break it down by task number.]**

### Task 1 **[Task Name]**

### Task 2 **[Task Name]**

### Task 3 **[Task Name]**

**[…]**

### Task **[N]**

## Conclusion

[Summarize your proposed approach and explain how it will satisfy the Solicitation objectives.]

# 2. Proposed Budget

**[Since this is a pre-proposal, it does NOT need to be pre-approved by your university’s contracts and grants office. If your pre-proposal is accepted for development into a full proposal, then a more complete budget will be requested and should be submitted to both CARB and your contracts and grants office for review. If more than one Subcontractor/Consultant is included in the budget, please itemize their anticipated subcontract amounts separately. Steering Committee stipends should be classified as Consultant fees.
Please consult the** [**FAQs on the solicitation**](https://ww2.arb.ca.gov/sites/default/files/2024-04/FAQ%20for%20CARB%20Research%20Solicitation_2024_04_23.pdf) **for general information about budgeting and contracts. Generally, private subcontracting (i.e., any paid non-government partners, including private universities, community-based organizations, nonprofit organizations, private companies, etc.) is limited to 25% of the total direct cost or $50,000, whichever is less. However, up to 50% of the total project budget can be subcontracted if there is a strong justification for why the expertise within the subcontract is not currently available within the UC or CSU system or if the prime contractor holds a competitively bid solicitation for the subcontracted portion of the work. No subcontractor should receive more funding than the prime contractor. For projects including community engagement, if the areas or regions that you intend to target have community members who are multilingual, please set aside money in the budget for translation services for public meetings and for any written material you want to distribute to the community members]**

|  |  |
| --- | --- |
| **Budget Category** | **TOTAL** |
| **DIRECT COSTS** | $0 |
| PERSONNEL (Salary and Fringe Benefits | $0 |
| TRAVEL | $0 |
| MATERIALS & SUPPLIES | $0 |
| EQUIPMENT | $0 |
| CONSULTANT | $0 |
| SUBAWARDEE(S) (CONSORTIUM/SUBRECIPEINT) | $0 |
| OTHER DIRECT COSTS (ODC) (Subject to IDC Cal? Y/N) | $0 |
| **TOTAL DIRECT COST****(***sum of All Direct Costs)* | $0 |
| **INDIRECT (F&A) COSTS (BASE)\*** | $0 |
| Overhead (Rate: 27%) | $0 |
| **TOTAL F&A COSTS** (*Indirect Costs Base times overhead rate*) | $0 |
| **TOTAL PROJECT COST** (*Total Direct Costs Base times Total F&A Costs)* | $0 |

\**The indirect cost rate shall be applied to the Modified Total Direct Cost (MTDC).*

*MTDC includes the total personnel (including labor and fringe benefits, travel, materials*

*and supplies, consultants, subawards (up to the first $25,000 of each entity), and other direct*

*costs. Equipment, tuition remissions, rental costs of off-campus facilities, and the portion of*

*each subaward exceeding $25,000 is not included in the modified total direct cost.*

*University of California campuses are not authorized to charge overhead on their sister Universities.*

# 3. Relevant Experience

**[1-page. Provide a brief statement of the team’s qualifications relevant to this project. How will the team work together to complete this project? What prior experience will be drawn on to make it a success? If this project has community engagement or equity components, please describe prior and relevant experience and outcomes, community contacts, and anything relevant that will be leveraged during the project.]**

# 4. Racial Equity Implications Section

**[Please answer the following questions. No page limit required, and your responses do not count towards the 5-page limit of the Technical Pre-Proposal section.]**

1. Does the research have specific racial equity goals? If so, what are they?
2. How will overburdened communities benefit from the long-term outcomes of this research? Things to consider in addressing this question are:
	1. Will information about the project be made available to communities during implementation and after the final results? If so, will this information lead to better health outcomes, inform new or existing policies and regulations, or address a community request for this information?
	2. How could results be used in CARB programs?
3. What strategies are being considered to mitigate unintended consequences and disparate impacts for overburdened communities?
	1. Examples could include Researchers demonstrating cultural humility in putting together their proposal and planning to evaluate their work; researchers identifying ways to avoid extractive practices and elevate community voices in steering research; an EJ advisory group being consulted throughout the project duration; etc.
4. How will the project team evaluate the project’s racial equity impacts and make changes as the project is implemented?

# 5. Curriculum Vitae

**[No page limit. Curriculum Vitae or Statement of Qualifications for all key personnel. You may attach a complete CV or provide an abridged version that includes name, contact information, current title and affiliation, educational history, employment and affiliation history, the top 10 peer-reviewed publications relevant to this project, a list of completed and ongoing funding sources and list of activities relevant to this pre-proposal topic. Proposers are encouraged to briefly describe each team member's qualifications as applicable to this project with each CV.]**

# 6. Cultural Humility Statement (if required)

**[For proposals that require a Cultural Humility Statement, please answer the following questions within 2 pages.**

**1. Discuss your research team’s perspective(s) on equity in knowledge production, especially in the context of doing research with and/or about marginalized communities. How does your team situate your research work in non-academic (policy, cultural, public, etc.) domains?**

**2. Describe your research team’s approach and practices to support self-evaluation and self-critique, the ways the team examines your beliefs and cultural identities, and how these relate to your ongoing research work and work proposed here.**

**3. How does your research team consider and address power dynamics in your work? How does your research team cultivate supportive and equitable relationships with academic and non-academic research partners and research subjects? Describe your team’s specific approach, actions, and accountability measures. What are your team’s practices to protect against harmful and/or extractive relationships?]**

**4. How does your research team evaluate communication style, communication clarity and communication integrity? How do you ensure proper representation of your research and its long-term impacts on communities and the public?**