

Take Action on Air Quality Mini-Grant Program **APPLICATION**

2022/2023



Sponsored By:

Community Action to Promote Healthy Environments (CAPHE)

CAPHE partners include: Community Action Against Asthma, Community Member-at-Large, Theresa Landrum, Detroit Community-Academic Urban Research Center, Detroit Health Department, Detroit Hispanic Development Corporation, Detroiters Working for Environmental Justice, Ecology Center, Green Door Initiative, Healthy Environments Partnership, Michigan Department of Environment, Great Lakes, and Energy, Southwest Detroit Community Benefits Coalition, Southwest Detroit Environmental Vision, University of Michigan School of Public Health, University of Michigan-Dearborn, & University of Detroit Mercy School of Law.

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For more information about CAPHE, please visit our website at caphedetroit.sph.umich.edu

Take Action on Air Quality Mini-Grant Program Application Form

Application Deadline: January 27th, 2023

What is the mini-grant program?

Mini-grants will fund community-identified projects that work to:

- improve air quality, including monitoring to provide information about air quality, •
- improve indoor environmental quality, for example, cleaner air indoors,
- raise awareness about environmental health, and/or
- support other actions, based in scientific evidence, that improve environmental health

For project ideas and information about promoting air quality, go to: caphedetroit.sph.umich.edu. Projects should be based on recommendations included in the Community Action to Promote Healthy Environments Public Health Action Plan (available on the CAPHE [website](#) and also listed in this document).

Note: If the project requires a permit or special permission (e.g., building permit, permission from a property owner), applicants must have this prior to submitting their grant application.

Who is eligible to apply?

Any Detroit area resident, neighborhood group or organization may apply, including but not limited to block clubs, art groups, service organizations, churches, parks and recreational organizations, professional associations, and school-based groups.

Limit of one application per applicant.

Priority will be given to:

- 1) projects that benefit Detroit area communities most affected by poor air quality, have long term benefits and have the ability to build on resources with other community projects; and
- 2) applications from individuals, community groups or organizations interested in building their capacity to impact air quality in the Detroit area.

About the funding:

You may request up to \$5,000. Awards may be less than \$5,000 and/or less than the amount requested. Up to 5 grants will be awarded each year.

Payments in the total amount of up to \$5000 will be made to funded organizations in two installments. If you are funded \$5000, the first payment will be given in the amount of \$2500 for the startup phase. The second installment of \$2500 will be given in the later phases of the project. The timing of the second installment will be negotiated based on your project's progress. Payment will be made when an invoice is submitted with a short description of planned activities for the later phase and, if appropriate, activities from the previous phase of the program.

A 2-page final report is required at the end of the project.

Who is sponsoring the mini-grants?

Community Action to Promote Healthy Environments (CAPHE) is a community-based participatory research partnership. The partnership includes community-based organizations, the health practice community, environmental organizations, and academic researchers. CAPHE developed a [Public Health Action Plan](#), a research-backed list of recommendations to reduce exposure to air pollutants

and improve health in Detroit. Many of those recommendations are related to air quality monitoring, promoting better air quality in child serving and other organizations, and for supporting community engagement in improving air quality and promoting health. A list of these recommendations is on the next page.

Optional Grant Writing Workshops:

CAPHE will host three workshops for those interested in applying for a mini-grant. We will review CAPHE Public Health Action Plan recommendations, offer technical assistance, and answer questions as you prepare your mini-grant application. Attendance at the workshops is optional. If you cannot attend any of the workshops but have questions please contact Alison Walding at walison@umich.edu. The workshops will be held on:

Thursday, December 15, 2022 @ 7:00pm **(In-person)**

Location: Eastside Community Network, 4401 Conner St, Detroit, MI 48215

Tuesday, January 10, 2023 @ 5:30pm **(In-person)**

Location: Detroit Hispanic Development Corporation, 1211 Trumbull, Detroit, MI 48216

Friday, January 20, 2023 @ 1:00pm **(Zoom)**

Link: <https://umich.zoom.us/j/95009599356>

Final notification of award:

You will be notified in writing and by phone of the decision on your application by **February 28, 2023**.

APPLICANT AND PROJECT INFORMATION

Applicant	Concerned Residents of South Dearborn (CRSD)		Please email CRSD48120@gmail.com
Street Address	2794 Roulo, Dearborn, MI 48120		
City:	Dearborn	Zip Code:	48120
Phone	313-229-8850	Website:	https://southenddearborn.com
Project Contact:	Samra'a Luqman, Board Member		
Phone:	313-229-8850	E-Mail:	samraaluqman@gmail.com

Project Name:	CRSD Public Information Sessions on AQ
Total Project Cost	\$5,000

Proposed Project Start and End Dates: May 1, 2023-October 31, 2023

May we share your contact information and project description with other grantees? XYes No

**Community Action to Promote Healthy Environments (CAPHE)
Public Health Action Plan Recommendations to Improve Air Quality and Health in Detroit**

The CAPHE Mini-Grant Program supports projects to improve air quality in Detroit, based on recommendations included in the CAPHE Public Health Action Plan. Please mark which recommendation(s) your project falls under by checking the appropriate box(es).

Are you working to improve air quality? Are you not sure which of these recommendations your project relates to? Feel free to attend one of the grant writing workshops or contact Alison Walding at walison@umich.edu. We welcome all proposals and can assist with working through the grant process.

Point Source Controls

Recommendation 1-1. Improve emissions controls and monitoring at point sources.

Recommendation 1-2. Require quantitative and qualitative health impact assessments (HIAs) and equity assessments when developing air quality management strategies. X

Recommendation 1-3. Improve safety and awareness of industrial facilities and air emissions.

Renewable Energy

Recommendation 2-1. Increase the use of renewable energy sources (e.g. wind and solar) and transition away from polluting sources.

Recommendation 2-2. Use renewable energy and green and sustainable practices for new and renovated buildings and infrastructure. (e.g. solar panels, rooftop garden)

Diesel Engine Retrofits

Recommendation 3-1. Expand diesel retrofit and fleet and engine replacement efforts.

Idling Controls

Recommendation 4-1. Increase awareness of existing anti-idling efforts through an education and outreach campaign.

Recommendation 4-2. Increase enforcement of existing anti-idling ordinances.

Recommendation 4-3. Encourage and incentivize trucking, delivery and bus companies and their drivers to minimize idling.

Clean Fuels

Recommendation 5-1. Increase use of the clean fuels best suited for Detroit and Michigan by (1) increasing use of clean fuels in vehicles (e.g., cars, buses, trucks, ships), construction equipment and industry; (2) converting transit vehicles operated by DDOT, SMART, QLINE and schools to clean fuels; and (3) improving the electric vehicle and clean fuels infrastructure.

Recommendation 5-2. Increase local production of second generation clean fuels, particularly advanced biofuels and biodiesel from waste oil.

Transportation Controls Measures

Recommendation 6-1. Increase public transit ridership by improving regional

transit systems (e.g. buses and trains) and incentivizing their use across southeast Michigan.

Recommendation 6-2. Encourage higher vehicle occupancy (carpooling, buses), expand existing roads capacity where needed, and improve traffic flow.

Recommendation 6-3. Encourage active transit (walking and cycling) and mixed-use (“20-minute”) neighborhoods by improving planning and the built environment.

Indoor Air Filters

Recommendation 7-1. Install, use and maintain enhanced filters in schools. X Recommendation 7-2. Use filters in homes and businesses.

Buffers and Barriers

Recommendation 8-1. Adopt regulations to create consistent and appropriate minimum setbacks between sensitive land uses and pollution sources - such as a wooded area or park between a highway and a school.

Recommendation 8-2. Plant vegetative buffers and/or install sound walls where current minimum setbacks are not met

Recommendation 8-3. Increase tree canopy throughout the City of Detroit.

Enhanced Compliance and Enforcement of Air Quality Rules

Recommendation 9-1. Increase the coverage, transparency, timeliness and stringency of facility inspections and enforcement activities, and assure compliance with existing permits and regulations.

Recommendation 9-2. Require the use of qualitative and quantitative health impact assessments (HIAs) and cumulative impact assessments as part of the air quality management process, including enforcement actions, state implementation plan (SIP) development and permitting.

X Recommendation 9-3. Increase public input in air quality management, including the development of regulations, permitting and enforcement activities (e.g. Invite residents to take part in decisions at each step, have longer periods for public comment).

Enhanced Air Quality Monitoring

Recommendation 10-1. Increase the number of monitoring sites, and use mobile and transportable monitors.

Recommendation 10-2. Identify and implement targeted air quality monitoring projects, such as installing air monitors in neighborhoods where residents are concerned about air quality. These projects can investigate exposures, air quality trends, health risks, pollutant hot-spots, fugitive emissions, source apportionment, monitoring system adequacy, efficacy of controls, epidemiology, health impact analyses, health interventions, and/or other public health concerns.

X Recommendation 10-3. Increase public engagement with air quality monitoring activities.

NARRATIVE RESPONSE: Respond to the following questions in 300 words or less per question:

1. Project Description. Describe what you plan to do to improve air quality in Detroit and

how your proposed project connects to recommendations in the CAPHE Public Health Action Plan.

The Concerned Residents of South Dearborn (CRSD) seeks to: 1) engage and educate the residents living in the Southeastern part of the city of Dearborn (the “South End”) about the air quality issues they face and 2) to educate and encourage the community how to report violations and how to be engaged in air quality permitting, reporting, pollution mitigation, and accountability/supplemental environmental projects 3) to educate the community on how the use of indoor air purifiers (which are expected to be delivered to residents via an upcoming consent decree) provides better indoor air quality/their benefits, and how to properly use and maintain the air purifiers.

The area of the South End hosts 40+ major and minor source polluting facilities, which results in some of the worst air pollution in the nation, as well one of the state’s most glaring cases of environmental injustice. In comparison to other parts of Dearborn, our neighborhoods in the South End also contains much more industry and much less tree canopy cover—<10% compared to 70% in some parts of West Dearborn, according to the American Forest’s Tree Equity Score tool, which means that there is a lot less absorption of particulate matter. The increased industry and lack of vegetation create a need for pollution mitigation inside the homes of the residents. This also means residents in our community experience disproportionate health impacts, including high rates of asthma, chronic obstructive pulmonary disease, and cancer.

The area houses a demographic of over 95% Yemeni immigrants, most of whom are still first or second generation Americans, who are still learning their rights as Americans and many of whom have never seen a factory prior to their arrival to the US. The population has a linguistic barrier, with less than half speaking English as the primary language. These factors create a perfect storm for a population who does not see or understand the invisible dangers in the air they breathe nor know how to navigate the political system to get accountability or protections for their health.

This proposed project aligns closely with the CAPHE Public Health Action Plan, specifically Strategies 1-3, 7-2, 9-3, and 10-3. Our presentations will aim to educate people on the pollution and contamination in the area, provide them with resources to report violations, instruct them on how to use indoor air purifiers, and provide them with reference materials.

Between May 2023 and October 2023, we plan to:

- Hire an intern to lead the event planning, project design, and implementation
- Create a powerpoint presentation on Air Quality to include: Sources, Pollutants, Strategies for Reporting, and the use of Indoor Air Purifiers
- Create a brochure on reporting AQ violations to serve as future referencing for the public
- Market and advertise information on AQ and indoor air purifiers
- Schedule 2 in-person and one virtual public presentations on AQ & indoor air purifiers
- Create a flyer/mailer on the benefits, use, and maintenance of an indoor air purifier
- Conduct a survey to evaluate presentations and measure efficacy thereof

2. Project goals. Describe your project goals and outcomes you want to achieve.

Goals and outcomes for our program include multiple positive effects for the surrounding community. These include: an increase in awareness of the local air quality, increase public

awareness of health impacts (to better understand and seek medical attention), increased reporting on emission and air quality violations, increased public engagement at permitting hearings, comment periods, and public meetings, and better indoor air quality through the proper use and maintenance of indoor air purifiers.

3. Applicant capacity.

- 1) Please describe your and/or your organization's qualifications for completing the proposed project, including any previous work to improve air quality in Detroit. If you are new to working on air quality issues, please describe how this project would improve your ability to address air quality issues.**
- 2) Indicate who will carry out or manage the project and why they are qualified for this role.**
- 3) Describe any individuals or groups you will collaborate with, and their role in the project. If needed, please let us know what technical support our team can provide to you.**

The active CRSD Board will carry out and manage the larger goals and direction of the project as well as ensure that timelines are strictly adhered to. We also intend on paying an intern, who is currently interested in doing more environmental justice work in the area, to facilitate and complete the administrative tasks required to schedule and plan the events, create brochures, conduct research, and make the contacts necessary to fully implement the project.

The CRSD has many networks and contacts that would help collaborate on and advertise the events and information, including Principals Sue Stanley and Eman Ahmed at Salina Elementary and Intermediate Schools, respectively, as well as the local American Moslem Society; the mosque, which serves the nearly 100% Muslim surrounding population.

For the last twenty years, CRSD has built community capacity to address countless social, economic, and environmental concerns raised in our neighborhoods. However, we confront major problems that are persistent and require additional partners and resources, especially in terms of air pollution. CRSD has led various efforts to improve air quality as we successfully partnered with other entities such as Friends of the Rouge, the City of Dearborn, Cleveland Cliffs, Edwin Levy Co, the University of Dearborn, the Ecology Center, and others to bring green infrastructure (nearly a thousand trees and hundreds of square footage of rain gardens), instrumental in the passage of a Fugitive Air Dust Ordinance, ensured compliance in and advocate for cleaner air and cumulative health impacts studies, guided supplemental environmental projects, raised awareness to AQ issues, and increased reporting of AQ violations through public engagement.

However, these great efforts alone do not address air pollution in our community. The public engagement piece of the puzzle continues to be missing as the older generations move out of the South End and new families continue to move into the area, unaware of the AQ issues and environmental health impacts they will suffer.

CRSD Board Member Samra'a Luqman, has much expertise in environmental health and

justice and will guide this work. She is a Steering Committee member of the Air Quality Sensor Learning Collaborative convened by the Ecology Center, the Environmental Health Research to Action, and a board member on Friends of the Rouge, the Clean Air Council, the PFAS Alliance, and MPART's Citizen Advisory Group. She will provide ongoing support to the facilitators and interns.

CRSD Board Member Karimah Alwishah similarly has an extensive knowledge and background on environmental injustice and air quality. A Public Health major, Karimah served as the fellow on the Environmental Health Research to Action for several years. She will play an integral role as a Supervisory Facilitator to will help oversee the project.

As a longstanding and trusted neighborhood association, with many partners and accomplishments, CRSD is well equipped to implement this proposed work if supported by the CAPHE project through a mini-grant. On that note, we stand as one of very few entities in the area that

- Has a credible voice that would be heard by community members and officials
- Has resources that can empower this proposal to be heard
- Has the network to collaboration with community members as well as local schools
- Is well-known by local elected and public officials, as well as in neighboring communities for the advocacy we do on behalf of our residents

4. Project Impact and Sustainability. Describe the community or communities that would benefit from your project. How might you support this work or its impacts after the funds are spent?

The communities that would benefit from this project are primarily the residents of the South End, where CRSD concentrates its efforts. Our organization is very closely knit into our community, so we plan to support this work through further community engagement even after the funds are spent. Funds will be used to jumpstart our project, but the continuation of public engagement and education will be done in the multiple communication forums that already exist between the organization and hundreds of residents. Brochures, flyers, and reporting will continue to be shared within several groups in an ongoing effort to ensure people are still involved and educated on the matter. Questions on the use of indoor air purifiers or air quality will still be directed and responded to by emailing the CRSD, which is an email monitored by at least 3 Board Members, or can be directly answered by any one of 12 sitting Board Members of the organization. The efforts to attain clean air in the South End will be continued as the organization grows in capacity and fiscally and as we continue to apply for more grants and funding to move the needle forward.

5. Evaluation. Describe how you will know you met your goals for the project.

We will monitor the goals of our project through a survey conducted after each presentation to gauge how much the participant felt was learned from the presentation. Feedback will also be received and solicited from the public regarding the clarity of the flyer describing the benefits, use, and maintenance of the indoor air purifiers. Much of our evaluation obviously will come from subjective information gathered from the residents, although we do understand that there are additional ways to objectively measure the success of the project; i.e. Requesting the

number of calls made to the Pollution Emergency Management Systems from the 48120 zip code for several months after the presentations; Measuring the indoor air quality in homes prior to and after the use of an indoor air purifier; Assessing the number of residents that correctly utilize indoor air purifiers and replace filters appropriately. As a neighborhood association, we do not presently have the capacity or time to conduct these larger scale and more in depth evaluations, but we would be happy to work with CAPHE and continue work with others to understand impact and next steps.

LETTERS OF SUPPORT

Include 1-2 letters of support with your application. Letters should be written to support this specific project and application. **Letters should explain why you and your team are well-prepared to successfully carry out this project.** Letters should not come from personal contacts, participants involved in the proposed project, or from members of the applicant's organization.

OPTIONAL - SUPPORT MATERIALS

We encourage you to submit up to three more attachments that could help reviewers understand your project. Materials might include, but are not limited to: brochures, annual reports, critical reviews, newspaper clippings, promotional materials. (Please do not send your originals; these support materials will not be returned.)

MINI-GRANT REQUIREMENTS:

- Any changes to budgets must be approved in advance. Please contact Alison Walding, CAPHE Project Manager at walison@umich.edu with budget changes.
- **Projects should be completed between May 1, 2023 and October 31, 2023.**
- Final reports are due 2 weeks before project completion. For the final report, In 1-2 pages, describe project outcomes, any project highlights, and include photos or other documentation of your work, as useful.
- Please acknowledge CAPHE support in all project publicity and media materials. This is a requirement of CAPHE's funder, the National Institute for Environmental Health Sciences. Please use this language ~ Support for this collaboration was provided by Community Action to Promote Healthy Environments, the National Institute of Environmental Health Sciences (#R01ES032389).

ASSURANCE SIGNATURE:

By signing this application form, you understand that, if a grant is awarded to you, 1) grant funds will be managed by you,

2) funds received under this grant will be used only for approved mini-grant activities, and

3) you have read the mini-grant requirements and will work to meet them. Assurance



Signature: _____

_____ Date:

01/27/2023

SUBMISSION DIRECTIONS:

Application deadline is January 27, 2023. No application will be accepted after the deadline. Incomplete applications will be less likely to receive funding.

Include with your submission:

- 1) A fully completed application form,
- 2) At least one letter of support
- 3) Up to 3 optional support materials

We strongly encourage applicants to type applications. Please contact us if you need support accessing a computer to complete the application.

Mail or email your application packet to:

ATTENTION: Alison Walding
Community Action to Promote Healthy Environments
University of Michigan
1415 Washington Heights
Ann Arbor, MI 48109
Email: walison@umich.edu
Phone: 515-240-7904