



EPA Enhanced Air Quality Monitoring Workshop 5.19.2023 and 5.20.2023

EPA ARP Community Monitoring Grant #5X02D45423

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2023 Ambient Air Monitoring Network Plan

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Office of Air Monitoring Quick Links

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Monitoring Network Plan](#)[2022 Ambient Air
Monitoring Network Plan](#)

Document:  [Draft 2023 Annual Network Plan](#)

Document Type: Monitoring Plan

Author Name: Office of Air Monitoring

Draft 2023 Florida Ambient air Monitoring Network Plan

The Annual Ambient Air Monitoring Network Plan describes the network of ambient air quality monitors located within Florida. The plan includes a review of actions taken during the previous fiscal year and outlines plans for the year ahead.

Federal regulations require that the air quality monitoring network be reviewed annually to identify any need for additions, relocations, or terminations of monitoring sites or instrumentation. The plan is submitted to the U.S. Environmental Protection Agency for review and

Florida Department of Environmental Protection



2023 Annual Ambient Air Monitoring Network Plan

Division of Air Resource Management
Florida Department of Environmental Protection
April 2023

Florida Department of Environmental Protection
Division of Air Resource Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
www.floridadep.gov

Table 3.3 Enhanced Air Quality Monitoring Direct Awards to the Florida PQAQO

Grant Recipient	Amount Awarded	Purpose
Florida DEP	\$176,500	<ul style="list-style-type: none"> Enhanced Continuous PM2.5 monitoring Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Broward County	\$149,250	<ul style="list-style-type: none"> New Site (Western Broward County, FL) Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
City of Jacksonville	\$74,600	<ul style="list-style-type: none"> Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Hillsborough County	\$80,000	<ul style="list-style-type: none"> Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Manatee County	\$26,000	<ul style="list-style-type: none"> Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Miami-Dade County	\$180,500	<ul style="list-style-type: none"> Enhanced Continuous PM2.5 monitoring New Site (Miami, FL) Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Orange County	\$44,382	<ul style="list-style-type: none"> Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Florida Department of Health Palm Beach County	\$26,500	<ul style="list-style-type: none"> Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Pinellas County	\$100,300	<ul style="list-style-type: none"> New Site (St. Petersburg, FL) Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites
Sarasota County	\$60,000	<ul style="list-style-type: none"> Other NAAQS Pollutant Investments to Upgrade Equipment at Existing Sites

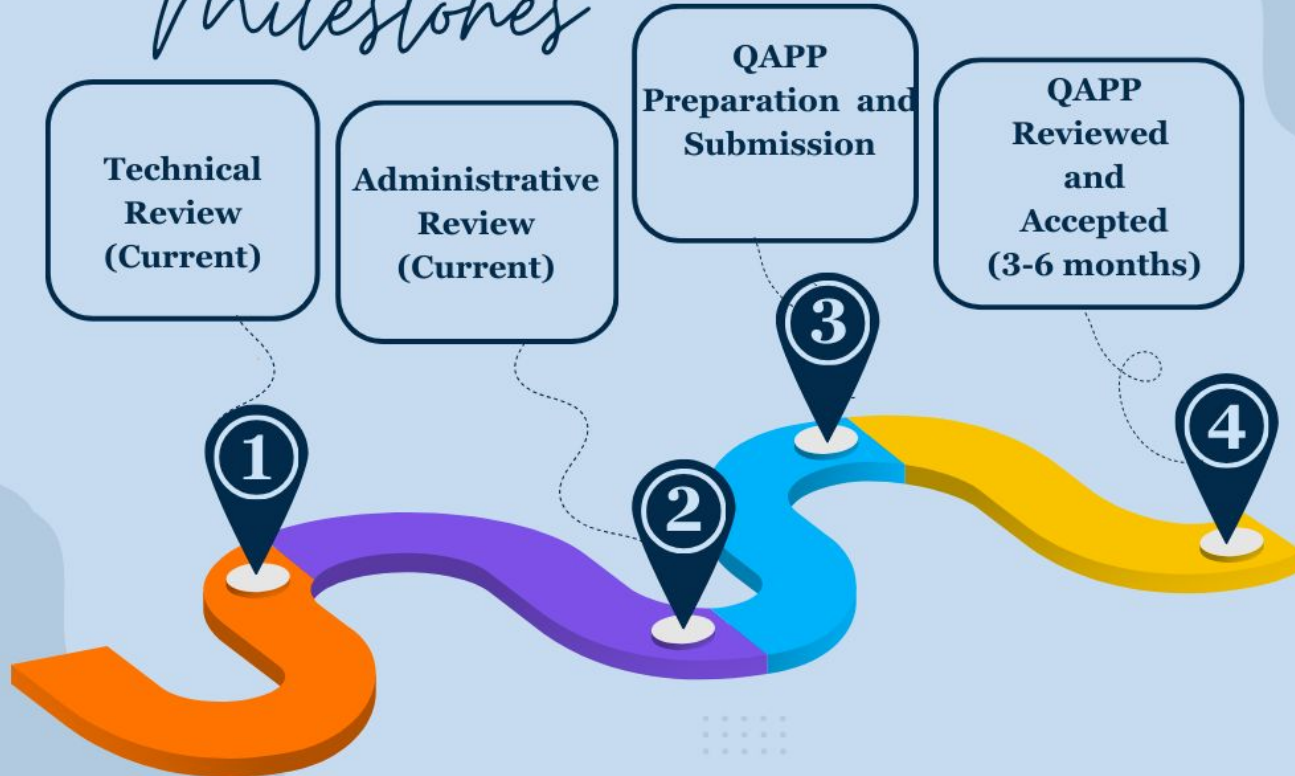
Table 3.4 Competitive Grant Selected Applicants for Enhanced Air Quality Monitoring within Florida

Primary Applicant	Proposed EPA Funding	Project Description
Hillsborough County Metropolitan Planning Organization	\$389,875	Recipient will create an air quality monitoring network along I-275 and I-4 focusing on communities of concern to provide data-based information for future project planning. The project will measure known health-impacting air pollutants from vehicular traffic with the intent for community members and school children to learn, participate and help report about localized air quality.
Miami -Dade County/Solid Waste Management	\$499,988	Recipient will expand and strengthen partnerships, engage community members in design and performance assessment of a new clean air community partnership program, What's your 305 Air Quality?, to ensure that environmental justice communities are included to help guide equitable and effective air quality mitigation actions.
National Coalition of 100 Black Women - Central Florida Chapter, Inc.	\$440,000	Recipient will create a Community Air Quality Advisory Council (Council) comprised of representatives from underserved communities in Orange County, FL that is informed by Community Science Air Quality Monitoring. Recipient will create a monitoring network in underserved communities and will provide technical and policy support to council participants.



PRE-PROJECT

Milestones



PROJECT *Milestones*

Trainings

- > Air Quality
- > AQ and Health
- > Monitors
- > Data

Community AQ Advisory Council

- > Expert Consultation
- > Representation
- > Council Formation

Reporting

- > From Community Science to Council
- > Reports to Local Government

Improvements

- > Review of Data
- > Recommended Improvements
- > Implement Improvements

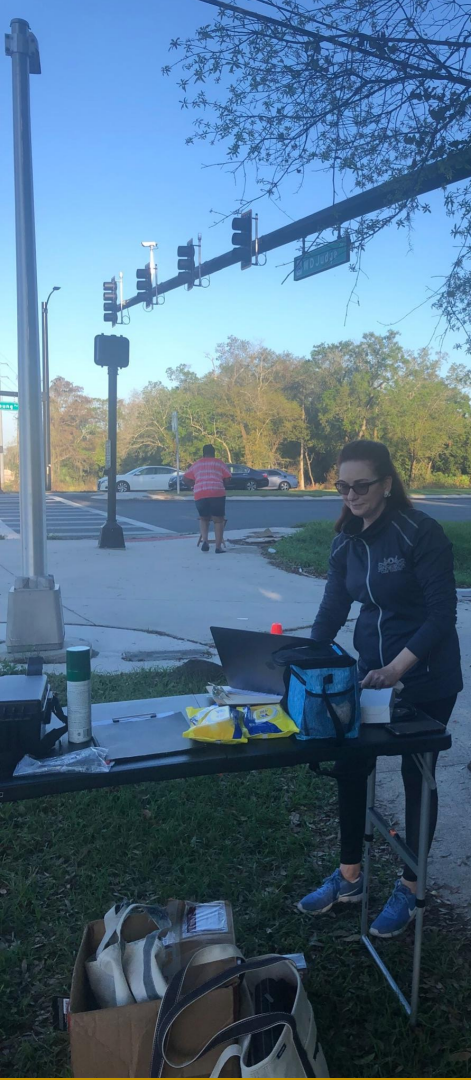




Handheld Monitors Used in the Past EPA Grant Project

Portable Aeroqual 500 series air quality monitors





Date: _____

Name(s) of People Providing Information:

Monitoring Team:

- Change for the Community
- Christ the King Episcopal Church
- Community Equity Project
- First Unitarian Church of Orlando Green Team
- Iglesia Episcopal Jesús de Nazaret
- Inner City Neighborhood Association
- Orlando Freedom Fighters
- Pine Hills Partnership, Inc.
- Washington Shores Neighborhood Association
- West Side Alliance
- Other _____

Please identify your air pollution concern by checking all boxes that apply:

- We want air monitoring in our community
- Bus traffic
- Car or small truck traffic
- Large truck traffic
- Diesel truck traffic
- Executive Airport Air Traffic
- Other _____



Verify
your
Pollution
Concern

Where
will you
Monitor?

Is there a secure location within your community to locate a monitor with a solar panel for 6 months?

Logistical Considerations for Finding a Place to Locate Air Sensors

 GENERAL LOCATION Considering the purpose of the measurements, where should the site be located?"	 SECURITY Ensure that the sensor is secure and protected from vandalism or theft and that site operators can remain safe.
 ACCESS Determine the requirements (permissions, keys, etc.) to visit the site to install/service the sensor(s).	 PLACEMENT In general, place the sensor at least 6 feet above ground level, rooftop, or other objects and away from obstructions, vegetation, or emission sources that would interfere with the measurement.
 POWER Determine requirements and establish power early.	 PHOTOS Take photos of the sensor installation and area around the site.
 COMMUNICATIONS Ensure reliable communications (cellular, Wi-Fi, etc.) before installation.	 DOCUMENTATION Record information about the site, including latitude, longitude, elevation, nearby obstacles, date of installation, etc.

Learn more at: <https://www.epa.gov/air-sensor-toolbox>

Please describe a location or locations that you feel should be considered for monitoring in your community and **mark it/them with a colored label on the map.**

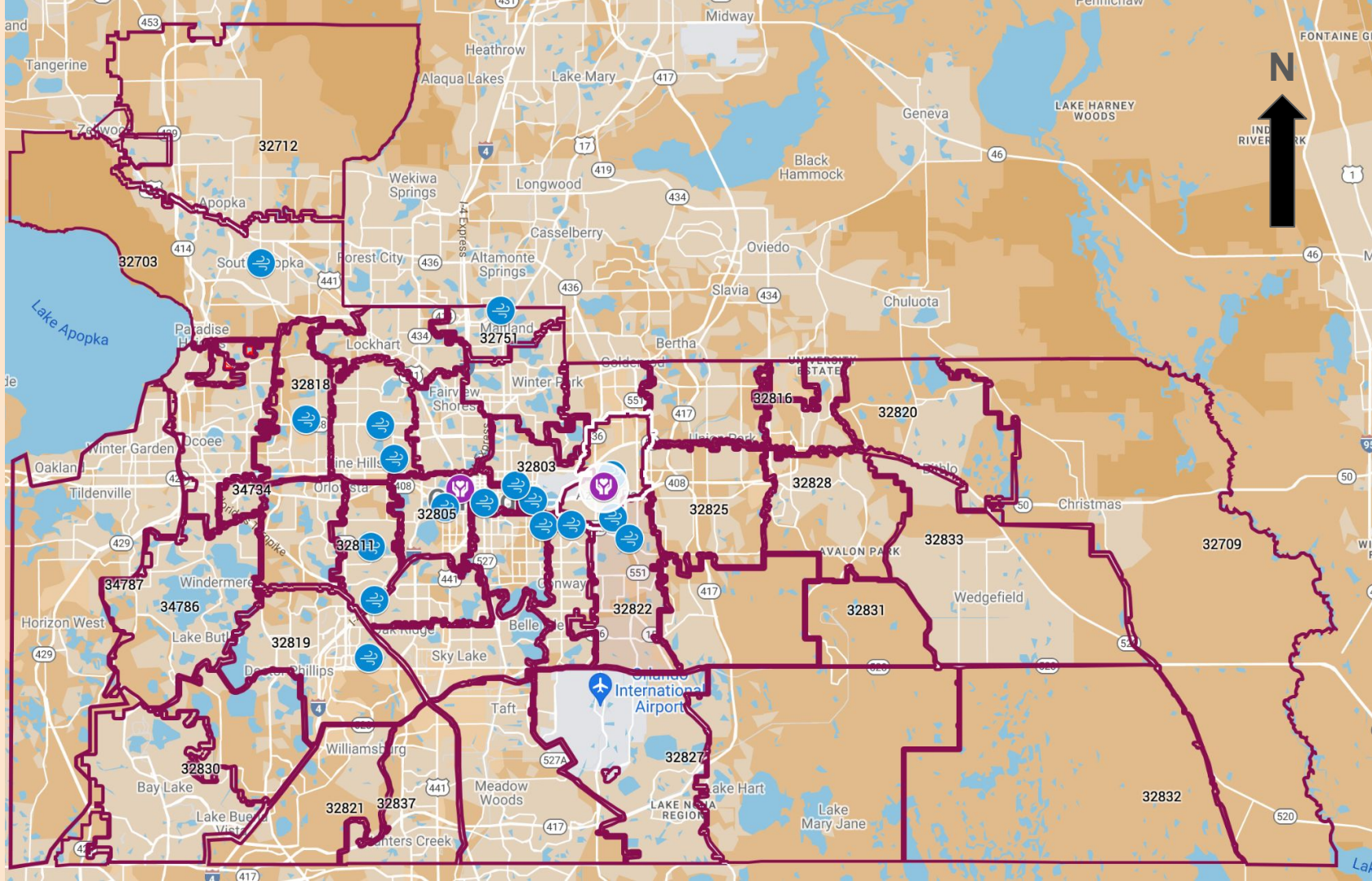




Locations of CBOs that expressed concern about air quality



Locations of Community Resilience Hubs that expressed concern about air quality



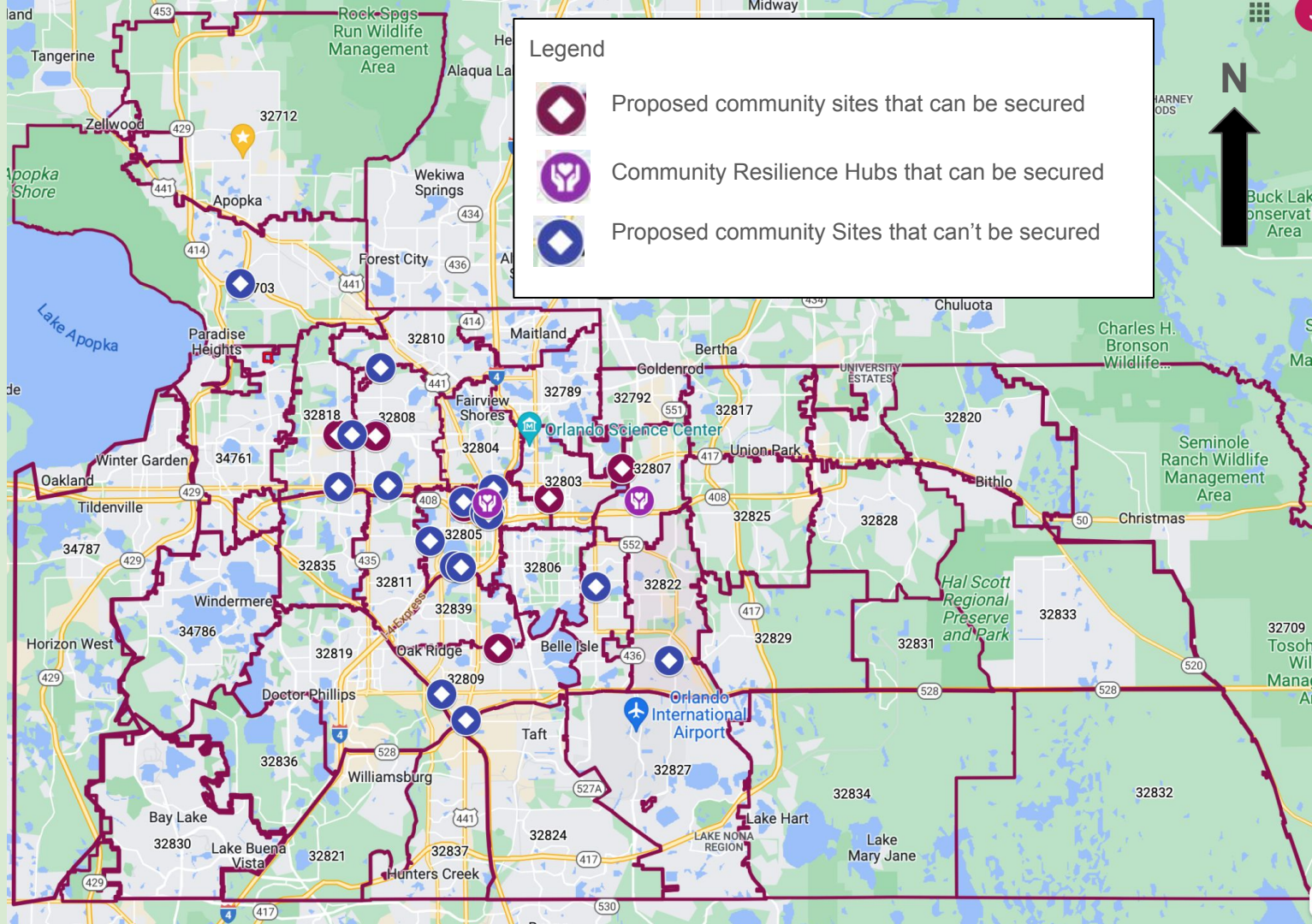
Sites Proposed

Considerations:

- Location
- Security
- Access
- Placement
- Power
- Communications

Current Work:

- Proposed site documentation
 - Photos
 - Lat
 - Long
 - Elevation
 - Nearby obstacles
 - Notes



Past Field Work with Hand Held Monitors



The Project Will Be Accessible Through the [RAC Central Florida Counties Dashboard](#)

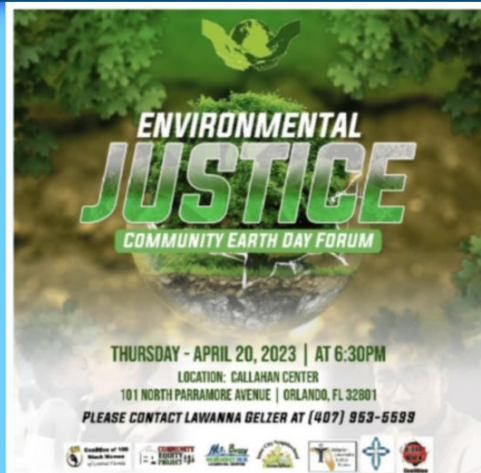
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RESILIENT AMERICAN COMMUNITIES

CENTRAL FLORIDA COUNTIES

[CENTRAL FLORIDA RESILIENCE SYSTEM >](#)

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THURSDAY - APRIL 20, 2023 | AT 6:30PM

LOCATION: CALLAHAN CENTER

101 NORTH PARRAMORE AVENUE | ORLANDO, FL 32801

PLEASE CONTACT LAWANNA BELZER AT (407) 953-5599



**Environmental Justice
Community Earth Day Forum**

Thursday, April 20, 2023 @ 6:30PM

A Seat at the Table: Equity, Diversity and
Inclusion

Location: Callahan Center

101 North Parramore Avenue - Orlando, FL 32801

[English Survey](#)

[Spanish Survey](#)

Congratulations!

We are pleased to announce that the Coalition of 100 Black Women of Central Florida was awarded another EPA grant titled *Enhancing Community AQ Monitoring in Underserved Black & Hispanic Communities in Orange County, FL*. Please see the [White House Press Statement](#) regarding grants awarded to understand how this work is part of the Justice40 commitment for 40% of the benefits of federal investments to address climate change to accrue to Justice40 disadvantaged communities. You may also be interested in the [EPA's Selections for the ARP Enhanced Air Quality Monitoring Competitive Grant](#) to see the quality of your colleagues from around the country who have also received these grants. Our listing is on the first page of this EPA table. This is the short summary of the work we will be doing together:

Please join the Coalition of 100 Black Women of Central Florida and **ALL** of our Community Partners as we hold an introductory meeting this **Thursday, April 20, 2023 @6:30PM** so you may learn about the grant work plan, timeline and milestones. The main body of our work will begin in May of 2023.



Measurement

RISE CDC Community Partners:
Coalition of 100 Black Women of Central Florida
Community Outreach Survey/Form

CFL RISE Snapshot of Work in Progress
April 21, 2022

Coalition of 100 Black Women
Air Quality Survey Results
Presentations Community Meeting
Thursday, June 24th @ 7 PM
Virtual and Social Distanced Event
Cuban Amphitheater
Orlando, FL 32811

ENVIRONMENTAL JUSTICE COMMUNITY FORUM
Agenda

Welcome
EPA Grant Team
EPA Grant Partners
Timeline and Overview
Survey #1 Results
Speakers: Janice T. Bocher, MD
Dr. Wanda Jones
Call to Action for Community Scientists
Opportunities
Closing Remarks

Central FL Disaster Resilience Initiative -
Phase I Stage 1 Overview

April 3, 2019

Community Climate Action Survey in
4 Communities in the
Orlando Metropolitan Area

Encuesta comunitaria de acción
climática en 4 comunidades del
Área Metropolitana de Orlando

The majority of survey respondents were born in the United States (2001, 2008, and 2007).
La mayoría de los encuestados provienen de los códigos postales 32801, 32805, 32809 y 32817.