

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

LOCATION: CALLAHAN CENTER

101 NORTH PARRAMORE AVENUE | ORLANDO, FL 32801

PLEASE CONTACT LAWANNA GELZER 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**

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

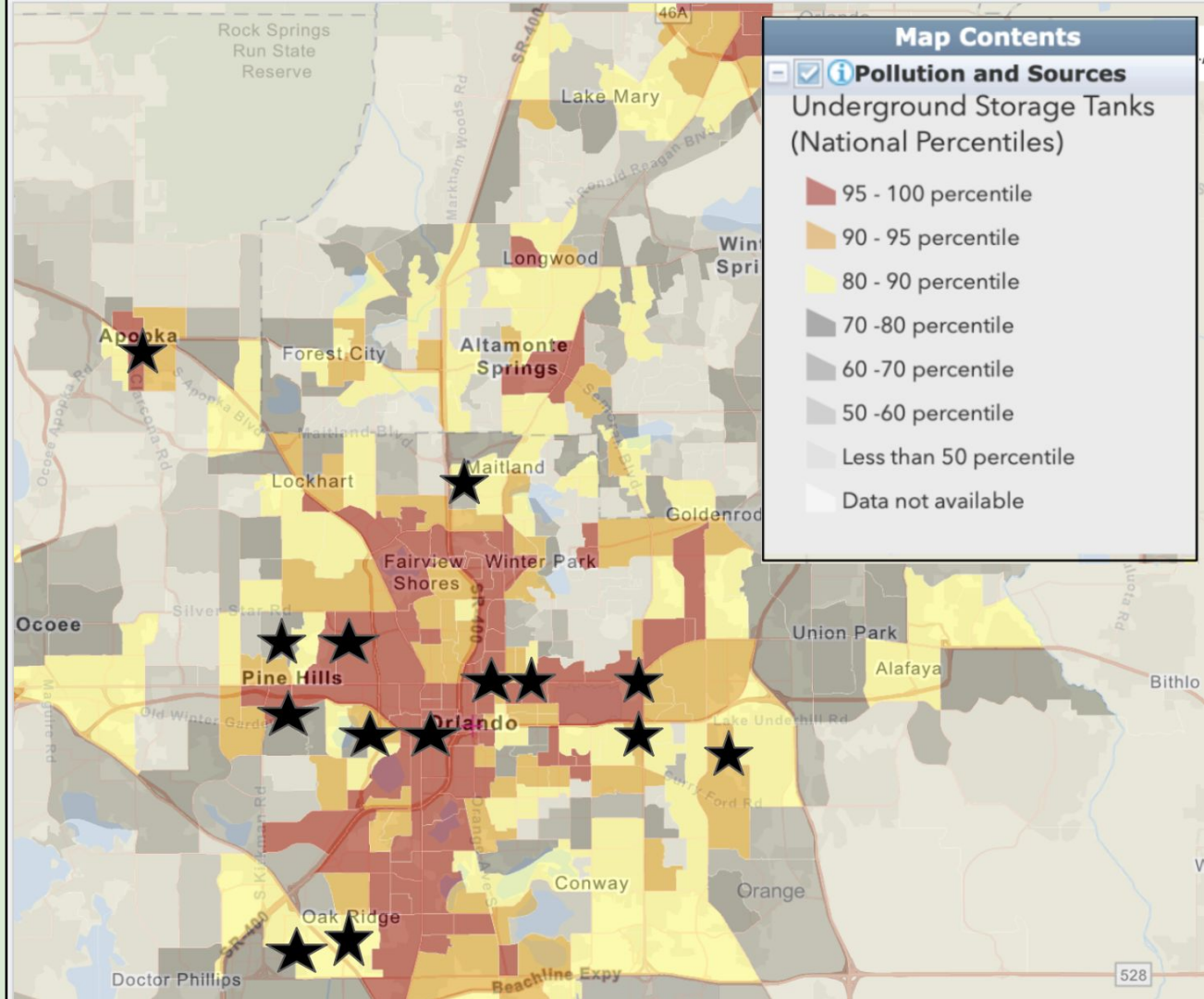
- > Review of Data
- > Recommended Improvements
- > Implement Improvements



14 Zip Codes

Underground Storage Tanks

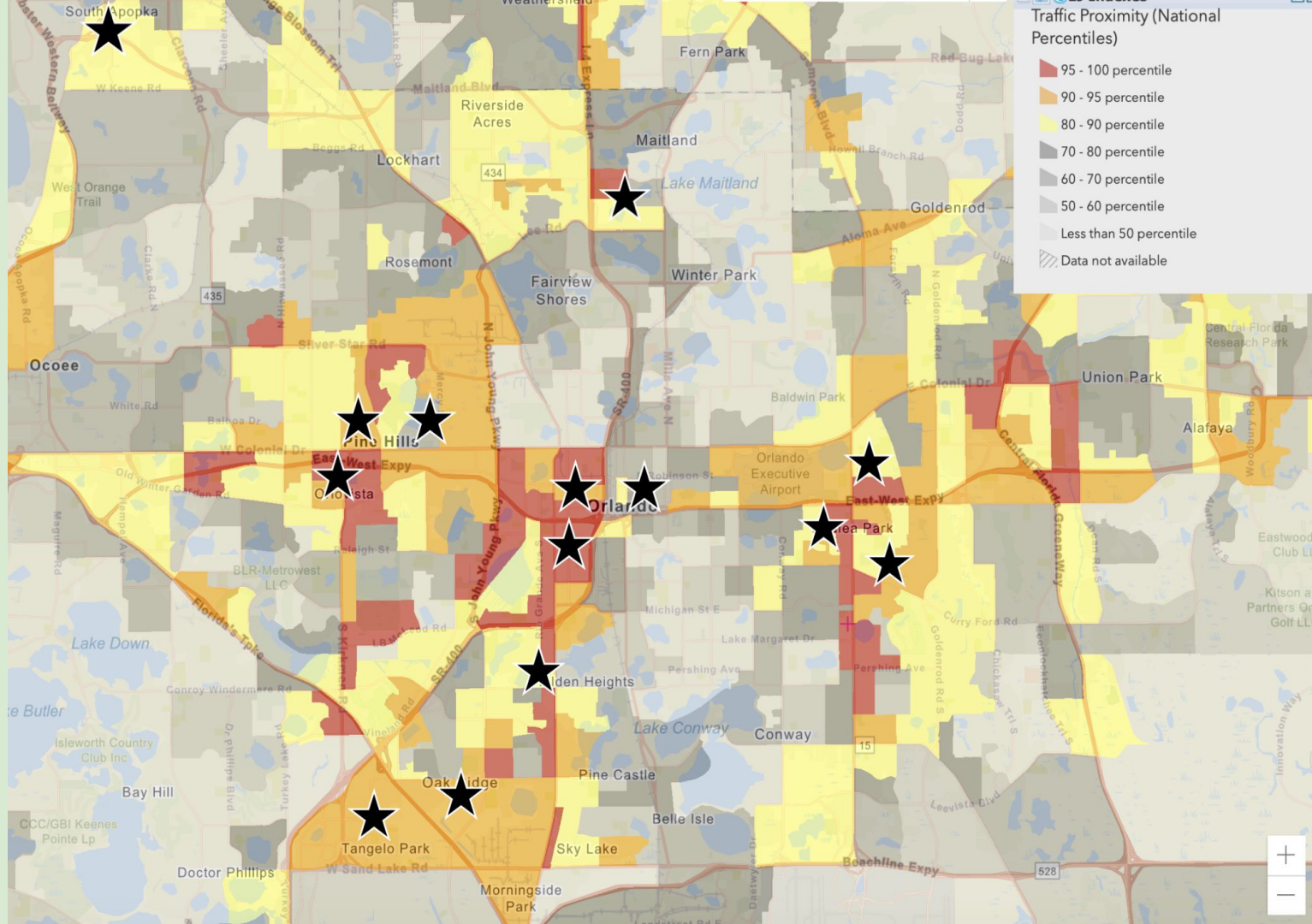
80th percentile
in the
nation
and
above



14 Zip Codes

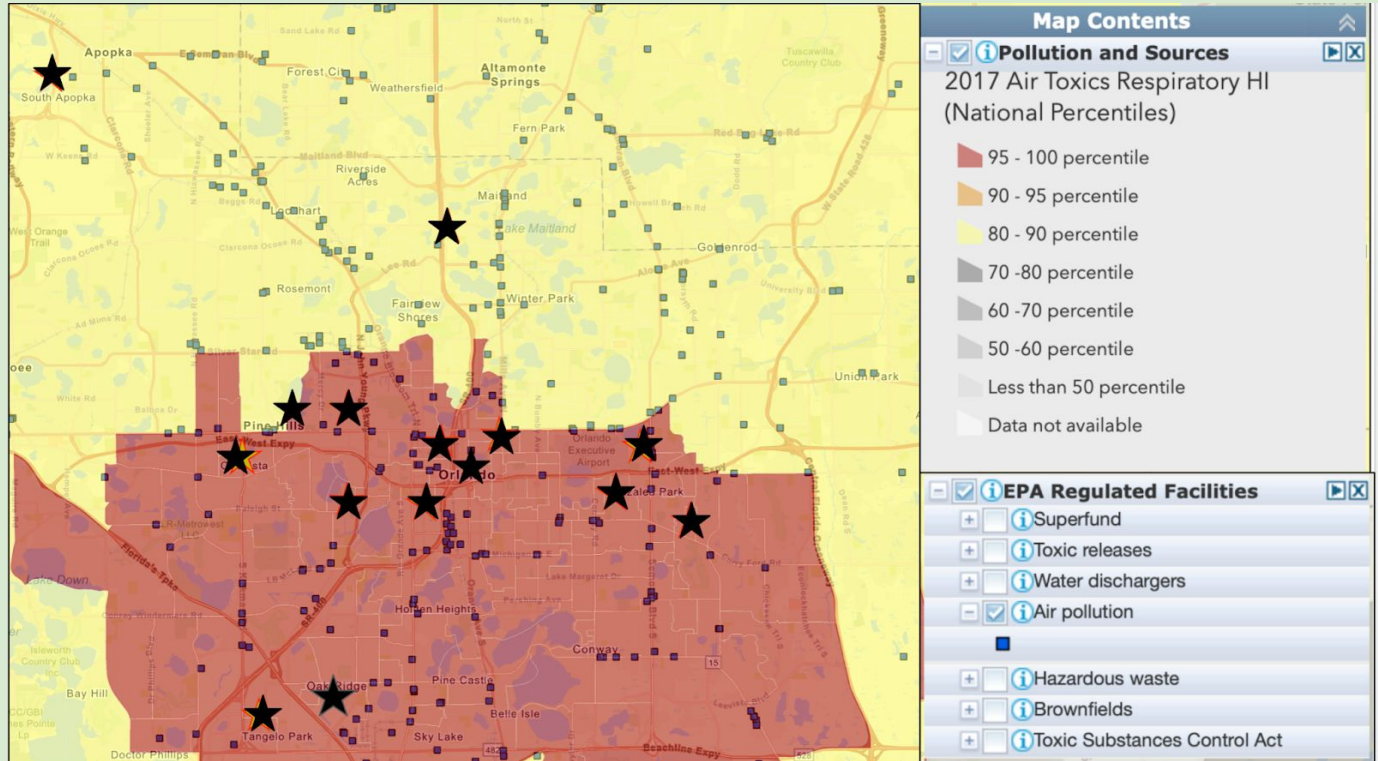
Traffic Proximity

80th percentile in the nation and above



Map 3: 2017 Air Toxics Respiratory Hazard Index & EPA Regulated Air Pollution Sources.

All but 2 of the participating communities are in locations in the national 95th - 100th percentile of the 2017 Air Toxics Respiratory Hazard Index.



Representatives Team

Debbie Reinhart reinhart.debra@gmail.com Joan Erwin joanerwin13@gmail.com	First Unitarian Church Of Orlando Green Team
Rev. Dr. José Rodriguez padre@iglesiaorlando.com	Christ the King Episcopal Church
Henry Mendoza, Outreach Manager and Quality Assurance Engineer outreach@iglesiaorlando.com	Iglesia Episcopal Jesús de Nazaret
Lawanna Gelzer, Social Justice Advocate LawannaGelzer@aol.com	Community Equity Project
Shaniqua Rose changeforthecommunity@gmail.com	Change for the Community
Aston Mack, Community Activist Aston@offoutreach.com	Orlando Freedom Fighters
Marty Melton, Vice President	Inner City Neighborhood Association
Stella Lewis	Washington Shores Neighborhood Association
Justin H. Fortune, President and CEO info@pinehillpartnership.org	Pine Hills Partnership, Inc.

Team Member	Responsibilities
<p>Lawanna Gelzer President, Coalition of 100 Black Women - CFL LawannaGelzer@gmail.com</p>	<p>Project administration, Fiduciary, hiring & firing, coordination of BIPOC communities, equitable process & dialogue with local government, forming Community Air Quality Advisory Council</p>
<p>Rev. Dr. Jose Rodriguez Christ the King Episcopal Church Jose.Rodriguez.fl@gmail.com</p>	<p>Coordination of participating Hispanic communities, 1 or 2 environmental engineers, translation & interpretation, equitable process & dialogue with local government, forming Community Air Quality Advisory Council</p>
<p>Jennifer Sankey, Ph.D., MHA, BSN, RN, CPPS President, Central FL Black Nurses Association of Orlando, Inc. Jennicoop@embarqmail.com</p>	<p>Education Regarding Health Effects of Air Pollution & Pork with the Community Air Quality Advisory Council on Health Implications of the Data</p>
<p>Dr. Haofei Yu Department of Civil, Environmental & Construction Engineering. University of Central FL haofei.yu@ucf.edu</p>	<p>Education Regarding Air Quality & Interpretation of Air Quality Data consulting with the Community Air Quality Advisory Council</p>
<p>Heather Vickery, MPA Unitarian Universalist Service Committee (UUSC) - Equity Committeer hvickery@uucs.org</p>	<p>Equitable process facilitation, Deliberative dialogue consultation, coordination of the Community Air Quality Advisory Council formation & mgmt process</p>
<p>Josephine Balzac-Arroyo, J.D., LL.M Rollins College Dept. of Social Entrepreneurship jbazac@rollins.edu</p>	<p>Drafting documents, process guidance & dialogue mediation with local government, consulting with the Community Air Quality Advisory Council</p>
<p>Janice T. Booher, MS Director of Civic Engagement and Training Resilient American Communities Health Initiatives Foundation, Inc. JanBooherHBE@gmail.com</p>	<p>Coordination with Environmental Engineers & Academic partners, Reporting Oversight including QAPP, Dashboard maintenance, Data Librarian, consulting with Community Air Quality Advisory Council</p>

The Project Will Be Covered on the RAC Central Florida Counties Dashboard

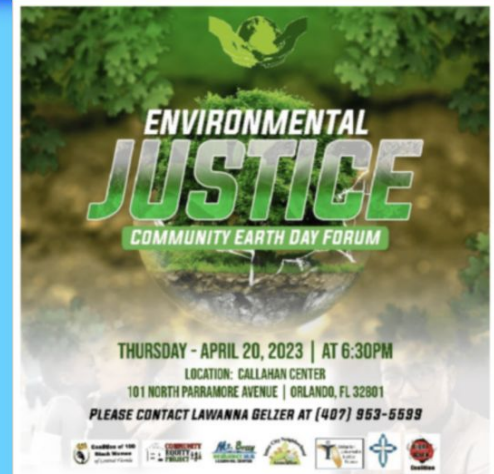
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RESILIENT AMERICAN COMMUNITIES

CENTRAL FLORIDA COUNTIES

[CENTRAL FLORIDA RESILIENCE SYSTEM >](#)

[RECURSOS EN ESPAÑOL >](#)



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[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 @ 7PM
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

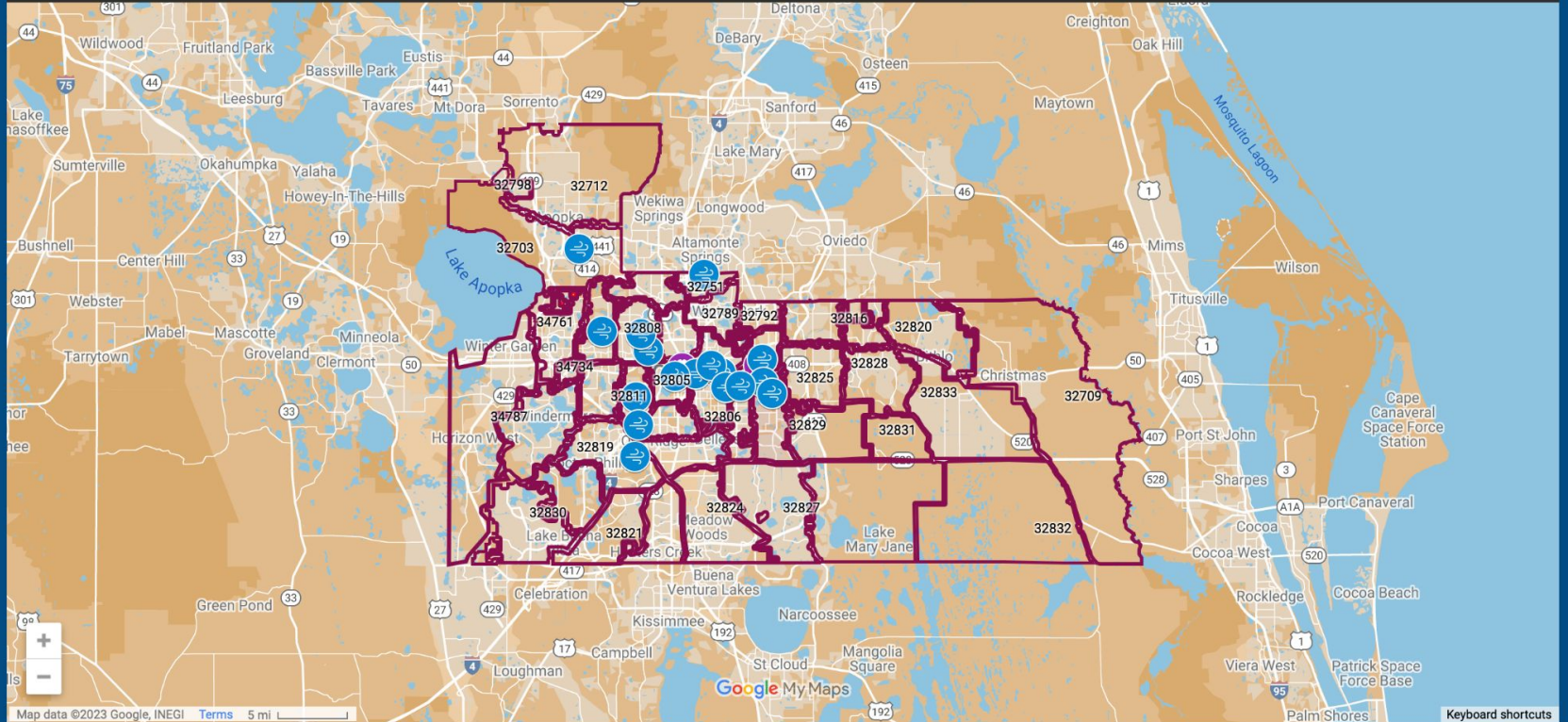
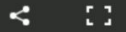
Community Climate Action Survey in
4 Communities in the
Orlando Metropolitan Area

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

The majority of survey respondents were born and raised
2017, 2018, and 2019
La mayoría de los encuestados provenían de los códigos postales
32811, 32816, 32818 y 32817

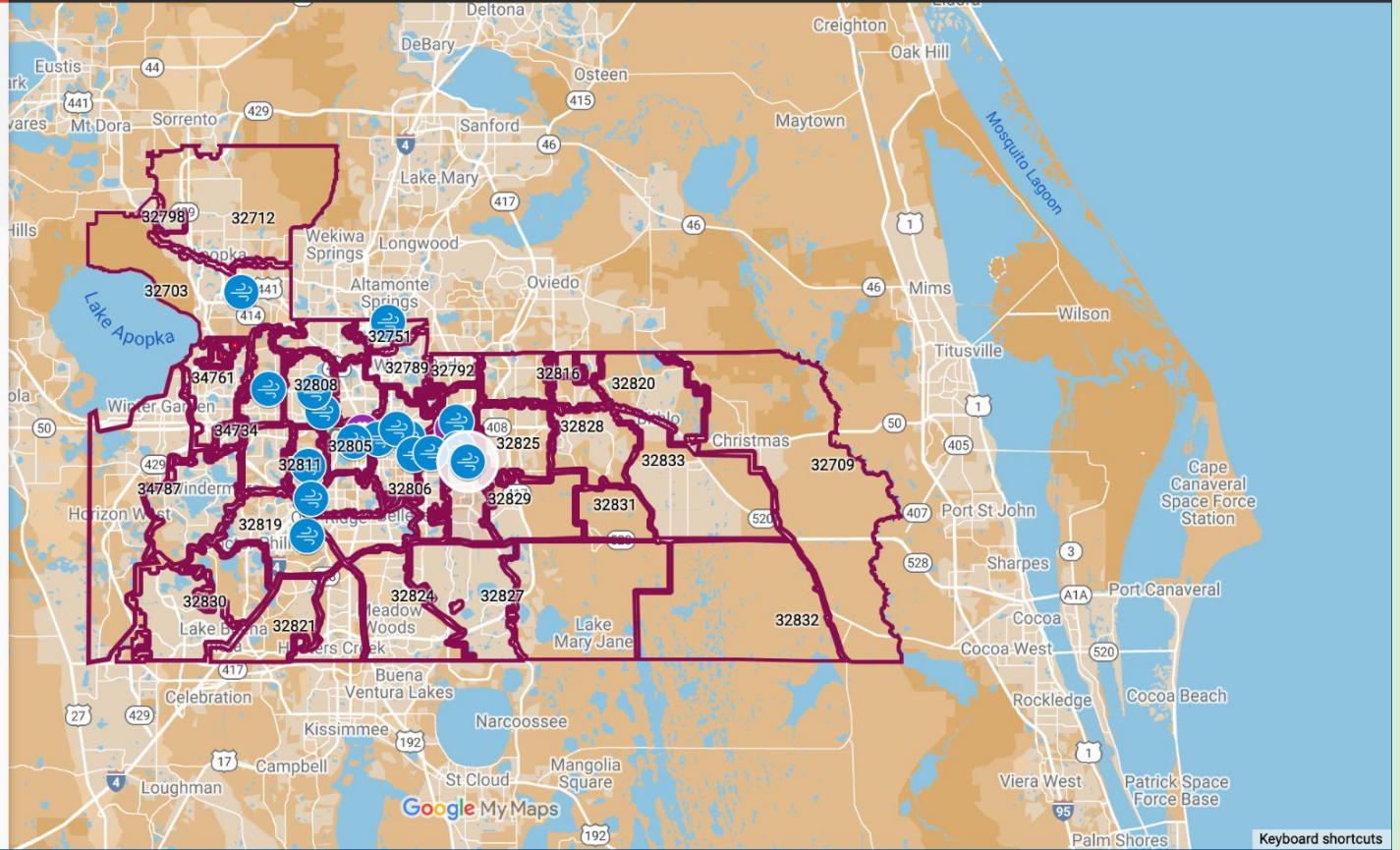


EPA Enhanced Air Quality Monitoring Participating Communities



name
32822 Englewood

description
Christ the King Episcopal Church
Monitoring Team

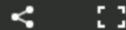


Find the Project Air Quality Monitoring Map [Here](#)

← 32751 Eatonville



g Participating Communities ★

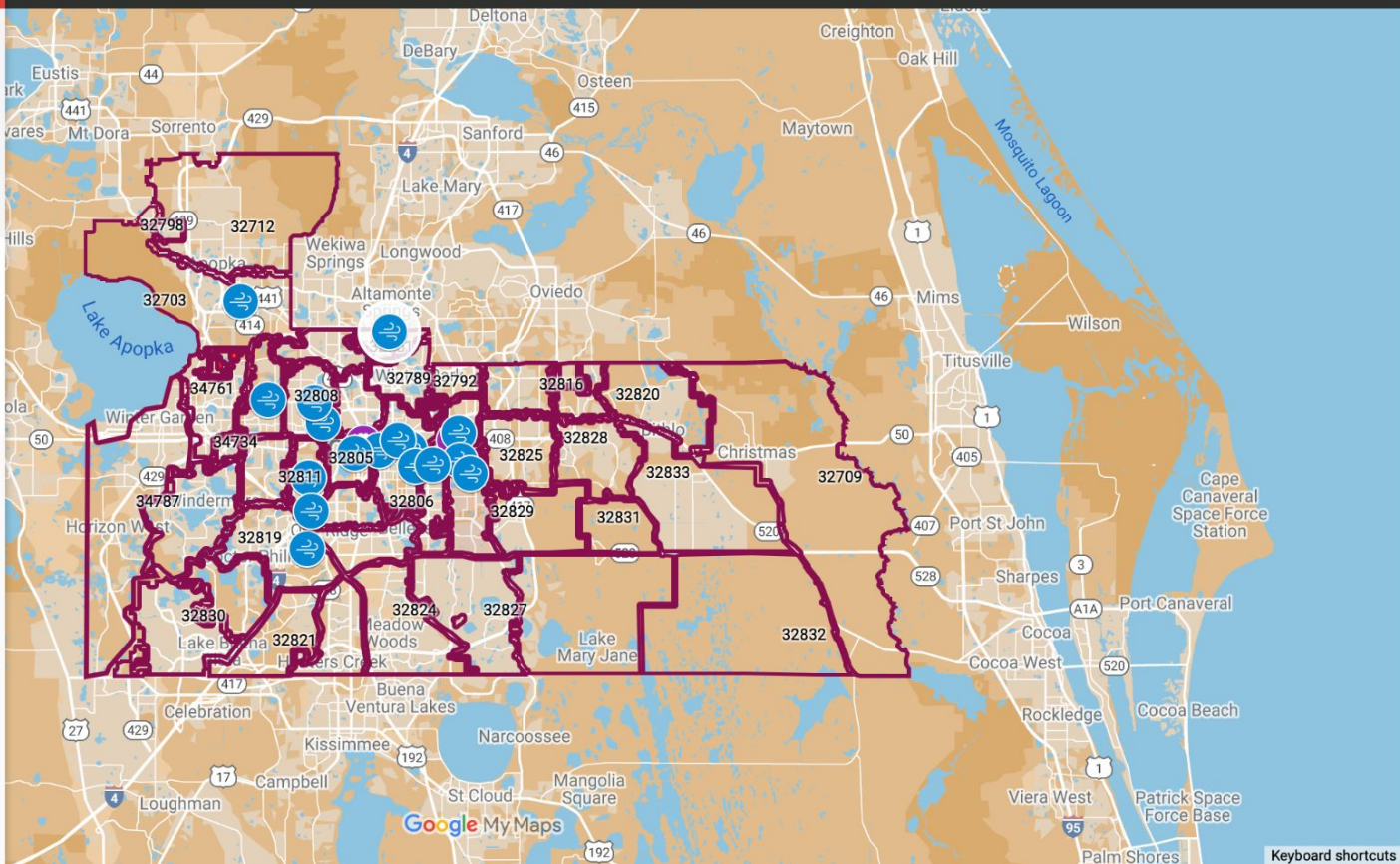


name

32751 Eatonville

description

Orlando Freedom Fighters Monitoring Team



Keyboard shortcuts

Find the Project Air Quality Monitoring Map [Here](#).

Pollutant	Symbol	Emitted By Vehicles?
Carbon monoxide	CO	Yes
Nitrogen dioxide	NO ₂	Yes
Ozone	O ₃	Ozone (photochemical smog) is produced by the reaction of volatile organic compounds and nitrogen oxides in the presence of sunlight.
Particulate matter	PM _{2.5}	Yes
Particulate matter	PM ₁₀	Yes
Sulfur dioxide	SO ₂	Yes
Carbon dioxide	CO ₂	Yes
Methane	CH ₄	Yes
Volatile Organic Compounds	VOCs	Yes
Non Methane Hydrocarbons	NMHCs	Yes
Formaldehyde	CH ₂ O	Yes

Vehicle Emissions and Their Health Impacts

Pollutant	Emissions Source	Health Effects
Particulate Matter 2.5 microns (PM _{2.5})	Planes, cars, trucks and buses	>heart and lung diseases, cancers, cognitive disorders, and low birth weights; >Chronic exposure in children: slowed lung-function growth, development of asthma*
Nitrogen Dioxide (NO ₂)		>lung irritation >weakens the body's defenses against respiratory infections such as pneumonia and influenza
Volatile Organic Compounds		> Certain VOCs (benzene , acetaldehyde , and 1,3-butadiene) — are linked to different types of cancer

Handheld Monitors

Portable Aeroqual 500 series air quality monitors



Field Work



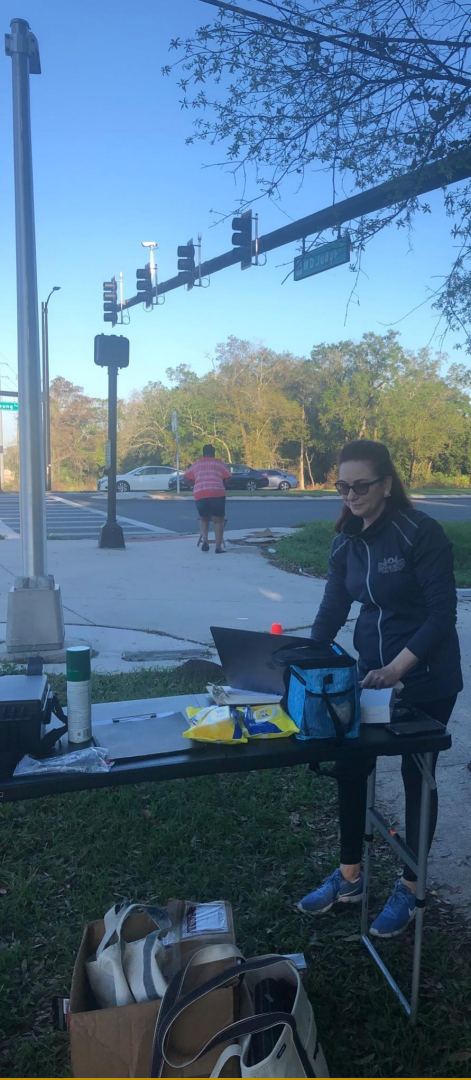




Table 1. Incidence of Critical Air Pollutant Readings Exceeding Primary Standards NAAQS

	PM_{2.5}	PM₁₀	O₃	NO₂	CO	SO₂
	2.5 micron particulate matter	10 micron particulate matter	Ozone	Nitrogen Dioxide	Carbon monoxide	Sulfur Dioxide
Parramore	0	0	0	0	0	0
Mercy Drive	0	0	0	0	0	0
Holden Heights	0	0	0	0	1	0
Overall	0	0	0	0	1	0

**Table 3. Incidence of Additional Air Pollutants in Vehicle Emissions
Measured Exceeding Typical Ambient Concentrations**

	CO₂	CH₄	VOCs	NMHC	CH₂O
	Carbon dioxide	Methane	Volatile Organic Compounds	Non Methane Hydrocarbons	Formaldehyde
Parramore	10	7	0	5	3
Mercy Drive	14	3	0	2	2
Holden Heights	11	2	2	2	1
Overall	35	12	2	9	6

Acceptable Data and Information

Type of Measurement	Acceptable Measurements Reported	Total Measurements Reported	% Valid Submission of Monitor Data
Geospatial (latitude/longitude)	126	252	50.0%
Physical	864	1,638	52.7%
Chemical	500	938	53.3%

Recommendations

1. The protocol must be simplified to increase reliability of data collected by Community Scientists. It would be advisable to have a real time monitor with continuous data capture using monitors that are directly connected to a computer interface with an online air quality management account.
2. Time stamps and geospatial positioning of monitors should be captured on autofill.
3. Budget must be increased to improve the accuracy and precision of the monitors.
4. Obtain more authoritative guidance on permissible levels of non-criteria air pollutants.