

Project Origins



Low-Cost Air Monitoring Pilot Study, 2021-2023



Tested monitors and analyzed data



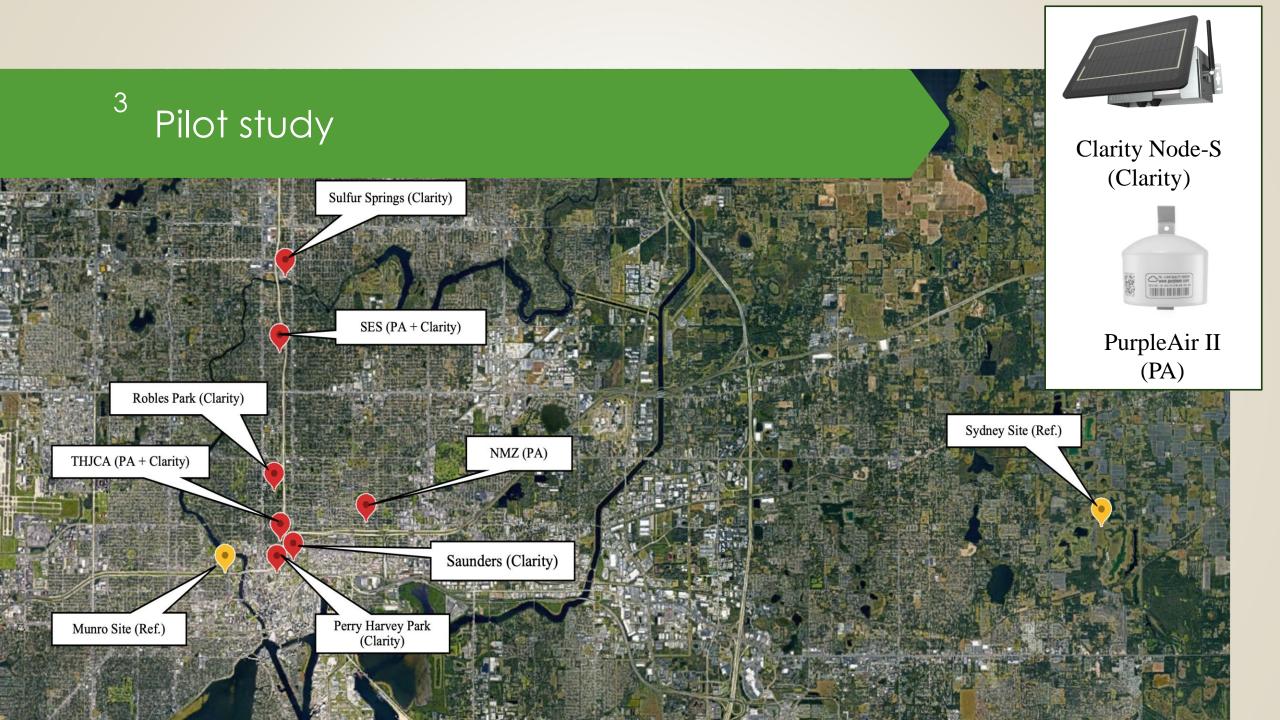
Engaged community in air monitoring



Established community pilot sites and shared data



Developed methods to establish a community monitoring network



Project Overview



Expanding the Community Air Monitor Network, 2023-2026



Establish community air monitoring network



Identify pollutant concentrations and analyze data over time



Build capacity around air pollution and the built environment





Build community capacity around air pollution



Characterize local air quality near interstates



Inform future planning and decision-making



Improve disparities in exposure to traffic-related air pollutants to equitably improve air quality



Compliment regulatory air monitoring with low-cost air sensors





Mar-Nov. 23



June-Nov. 24



June-Nov. 25

- Receive & process grant
- Quality Assurance Project Plan
- Community & Stakeholder Kick-off meeting

- Installation training
- Establish sites
- Annual Summit
- Distribute Guidebook

- Revise outreach materials
- Annual summit
- Site/volunteer training

- Coalition meeting: April 18, 2024
- Public survey
- Identify sites
- Co-locate monitors
- Develop Guidebook
- HCPS Green Teams edu. materials

- Review site criteria
- Identify additional sites
- Establish sites
- Training

Coalition

recommendations

Establish next steps

Dec.-May 24



Dec.-May 25

Dec.-Mar. 26

Identify areas for

air

Community Collaboration & the Site Selection Process



Sign agreements & install monitors



Community and Site Selection Criteria

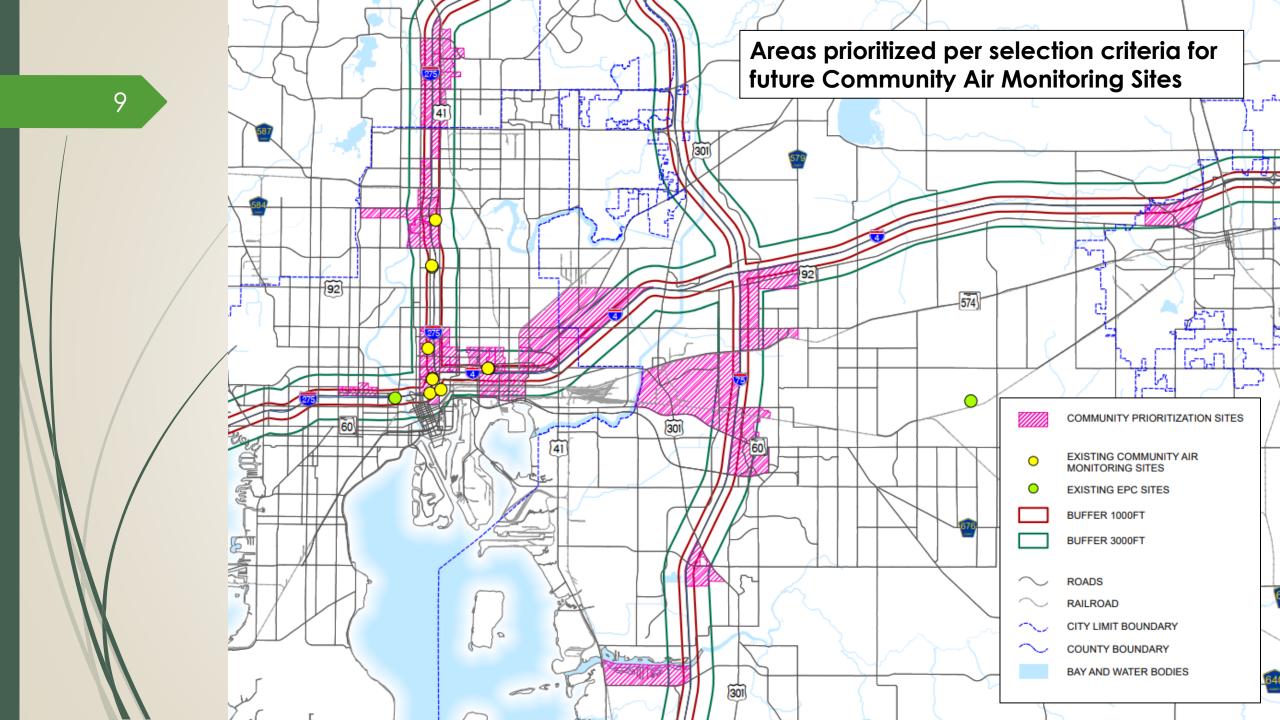
Prioritize areas and sites for community air monitoring

Pt 1. Community Selection Criteria

- 1. Environmental factor
 - Proximity to interstate
- 2. Demographic factors
 - Low-income populations
 - Majority people of color
 - Additional factors:
 - percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy
- 3. Community access and engagement

Pt. 2 Site Selection Criteria

- Community access and engagement (e.g. where people congregate)
- 2. Proximity to the interstate
 - ≤ 1,000' of interstate
 - ≥ 3,000' of interstate (comparison site)
- 3. Interest in long-term involvement
- 4. EPA logistical considerations



https://planhillsborough.org /low-cost-air-qualitymonitoring-pilot-study/

Thank you! Questions?

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