

CLIMATE POLLUTION REDUCTION GRANTS





Rules of Engagement

1. We will be using Menti for interactions today.

Type in menti.com and input the number on the screen

2. If you have a question, please use the ‘Chat’ icon on Zoom.

3. We encourage you to turn on your camera, particularly during the breakout session.

Please note that this meeting will be recorded.

However, the breakout discussion will not be recorded; we will take notes.



AGENDA

Sarasota and Manatee County Region Greenhouse Gas Reduction Plan

*Climate Pollution Reduction Grant
(CPRG)*

- [1] **Introductions** (5-min)
- [2] **Overview of Priority Climate Action Plan** (30-min)
- [3] **Breakout Discussion** (45-min)
- [4] **Report Out of Breakout Session** (15-min)
- [5] **Next Steps** (15-min)



INTRODUCTIONS



SARA KANE
Project Manager



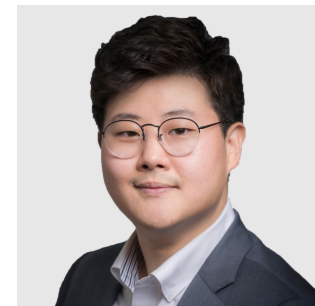
ALIA GARRETT
Community Engagement



CATHERINE PRINCE
Project Manager



DAREN CHEATHAM
Community Engagement



JUSTIN AHN
Sustainability Manager



EMMA DALY
Consultant, Climate Change





Please introduce yourselves via Menti

What is your name?



Please introduce yourselves via Menti

Which organization do you represent?

What is your name and/or affiliated organization?

Amy Anderson, Planning Analyst for Sarasota County Schools

Shad Renick, CASL

Stefan Kalev - Natural Resources Division Manager with the City of North Port

Sarah Denison Williams, Conservation Foundation of the Gulf Coast

Laura Dykstra, Community Foundation of Sarasota County

Sharon Haynes, Children First

Jennifer Shafer - Shafer Consulting

Melissa Ehrhardt, American Red Cross, Community Adaptation Program

What is your name and/or affiliated organization?

Sara Kane, Sarasota
County

Alia Garrett | Sarasota
County

Joey Hedrick, Step Up
Suncoast Weatherization
Coordinator

Ann Hardy. League of
Women Voters

Brenda Downing, The
Salvation Army of
Sarasota County

Philip Tavill, Children First

Stacy Aloisio - City of
North Port

Rob Brown representing
Suncoast Waterkeeper



What is the most recent sustainable action you, your family, or your community have taken?

What is the most recent sustainable action you or your community have taken?

erewrw

carpooling today

Compost

Working on a native garden in our back yard.

Composting

Composting food waste

Repurposed my veggie scraps to make vegetable stock

more recycling



14



What is the most recent sustainable action you or your community have taken?

School District has Four day work week during summer.

Native plants (in process)

Recycling

composting, removing invasive species, recycling

4 day work week for our case managers in Sarasota.

Expanded vegetable garden and pollinator plants

changed vehicle to PHEV



CPRG Planning Grant



Sarasota County is managing a \$1 million EPA “Climate Pollution Reduction Planning Grant” (CPRG) funded via a formula award under the Inflation Reduction Act (IRA). The grant will cover the full geographic extent of Sarasota and Manatee counties.

The plan will be developed in two phases per EPA requirements:

MAR 2024

Priority Climate Action Plan (PCAP)

FALL 2025

Comprehensive Climate Action Plan (CCAP)

Sarasota-Manatee Region Climate Pollution Reduction Plan



THE PLAN

Local governments and partners in the Sarasota - Manatee region are working on a greenhouse gas reduction plan, with the goal of reducing climate pollution and addressing other harmful air pollutants.

Why complete a regional greenhouse gas (GHG) reduction plan?

The Environmental Protection Agency's (EPA) Climate Pollution Reduction Grants (CPRG) program awarded Sarasota County a planning grant to develop a regional greenhouse gas (GHG) reduction plan. Developing the regional GHG reduction plan will position local and tribal governments in the region to compete for the EPA CPRG Implementation Grants with awards totaling \$4.6B in March 2024, and other grant opportunities.

What will be included in the plan?

We're developing a plan to reduce climate pollution in our region. This involves understanding our current emissions, setting goals for the future, and taking specific steps to cut down on these emissions. Our plan includes details on costs, who's in charge, and when things will happen. Beyond just reducing climate pollution, we're also focused on how these actions can benefit our community, particularly for those who need it most. This includes creating economic opportunities for disadvantaged and low-income communities, along with planning for job opportunities and workforce development.



HOW TO ENGAGE

Priority Climate Action Plan is ready!

Thank you for providing input through the survey and stakeholder meetings. Your input on the region's priority was used as the foundation to develop the Priority Climate Action Plan (PCAP). The PCAP lays the top actions to reduce air pollution in the Sarasota-Manatee region fostering a more sustainable and inclusive future for our communities.

Next, we embark on developing a comprehensive long-term framework called the Comprehensive Climate Action Plan (CCAP) that includes extensive community engagement through summer, fall and winter of 2024. Let's continue to work together for a brighter future.

Clean-Air Coalition Priority Climate Action Plan

<https://www.scmc-pollutionreduction.com/>



Climate Impacts and Low- Income Disadvantaged Communities



Air Pollution



Air pollution is contamination of the indoor or outdoor environment .. that modifies the natural characteristics of the atmosphere.

Common sources of air pollution are:

- » Household combustion devices,
- » motor vehicles,
- » industrial facilities, and
- » forest fires.



Air Pollution Impacts



Ambient (outdoor) air pollution in both cities and rural areas is causing fine particulate matter which result in strokes, heart diseases, lung cancer, acute and chronic respiratory diseases.

The combined effects of ambient air pollution and household air pollution is associated with 7 million premature deaths, worldwide annually.

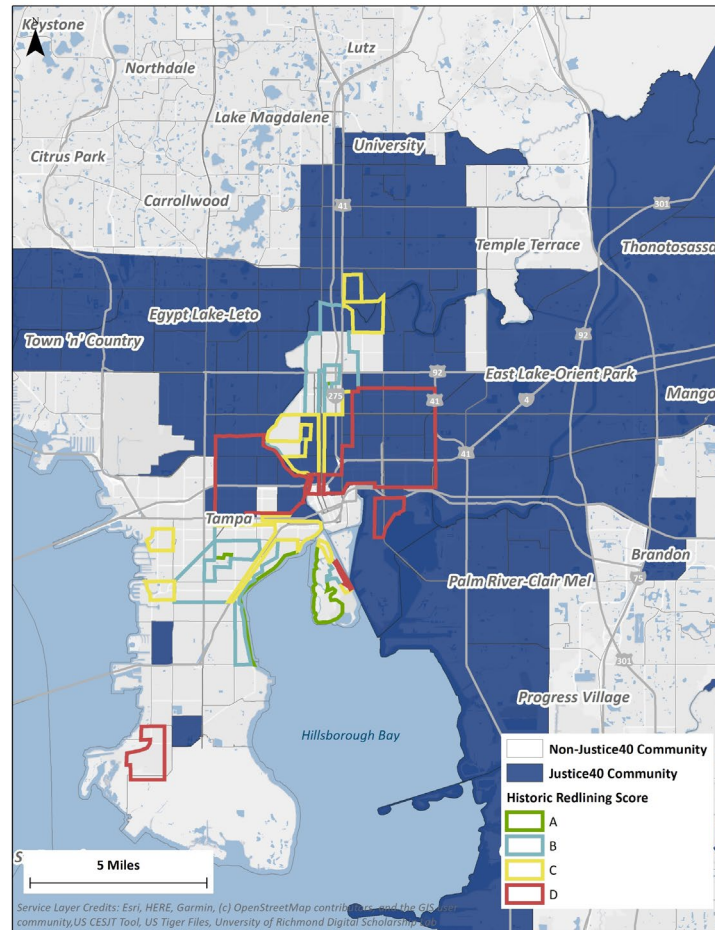
But, low-income and historically disadvantaged communities bear disproportionate burden.



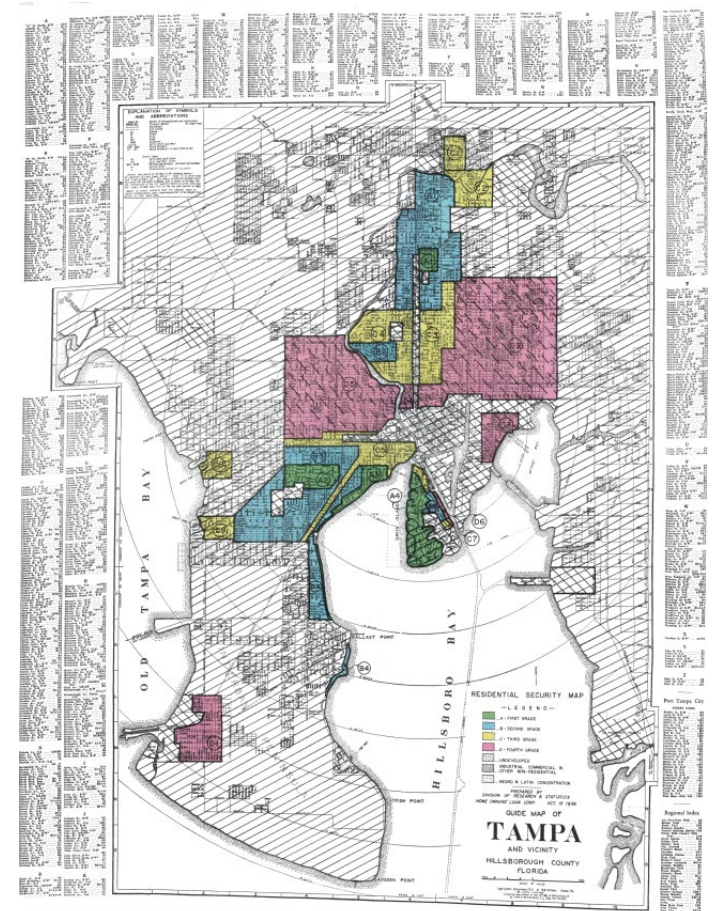
Climate Pollution & Low-Income Disadvantaged Communities

Redlining refers to the practice of denying services, particularly banking and mortgage services, to neighborhoods, sometimes by literally drawing a red line on a map.

Historically red-lined areas tend to have lower public investment in tree canopy, number of parks and open spaces. Sometimes industrial use are located beside residential, causing **long-term health consequences to the residents.**



Year 2024. Current Conditions
Justice40 Communities and Historic Redlining Score in Tampa Bay



Year 1932 Zoning. Past Practices
Source: <https://dsl.richmond.edu/panorama/redlining/map/FL/Tampa/areas#loc=12/27.7878/-82.644>



Why it Matters in the Region...



21%

of region's population live in a disadvantaged census tract*



1 in 5

adults in disadvantaged census tracts* have a heart disease or asthma;



\$47,314

median household income



26%

of households spend more than half of their gross income on rent

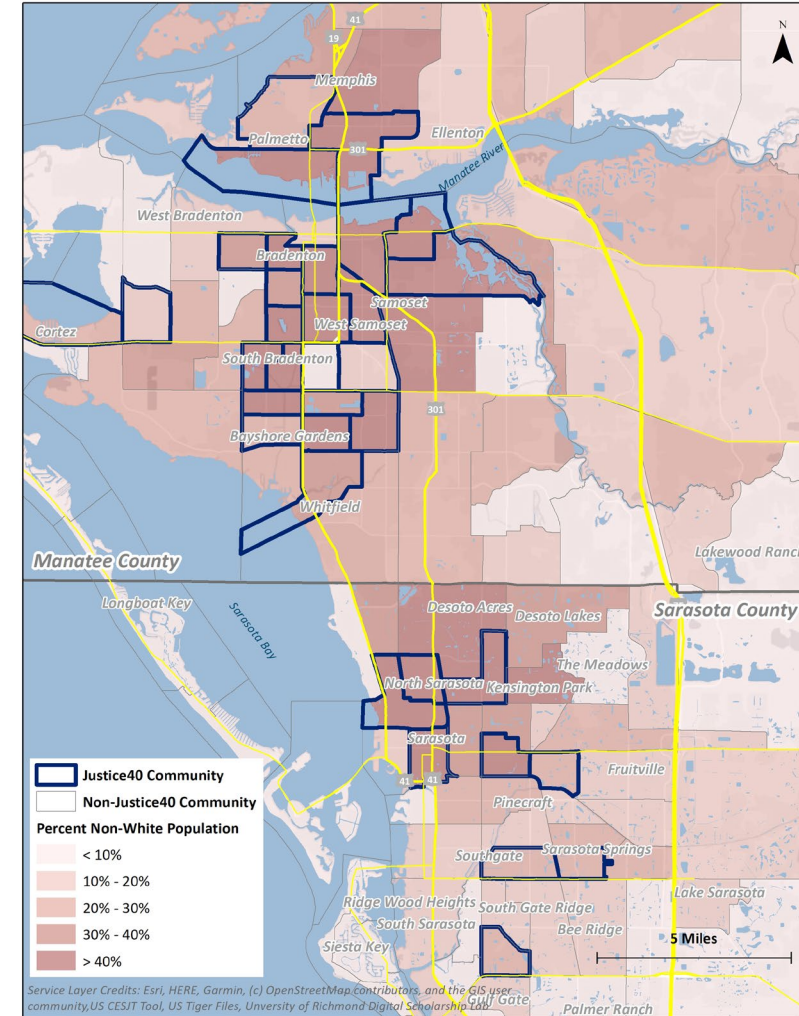


1 in 3

adults in disadvantaged census tracts* have diabetes

\$197,921

median home value



*Note: based on definitions from Climate and Economic Justice Screening Tool (CEJST)



Priority Climate Action Plan (PCAP)

1) High-impact, 2) Short Implementation timeframe, 3) Clear Authority to Implement, 4) Potential projects for the multi-MSA EPA CPRG funding.

The PCAP was developed in three months (January to March 2024) to meet the EPA deadline requirement.



Which sector emits the most significant green house gas(GHG) in the Sarasota-Manatee region?

Which sector emits the most significant green house gases (GHG) in the Sarasota-Manatee region?

transportation

Transportation!

transportation

Transportation

Transportation

Transportation

My guess would be:
Transportation

Transportation

Which sector emits the most significant green house gases (GHG) in the Sarasota-Manatee region?

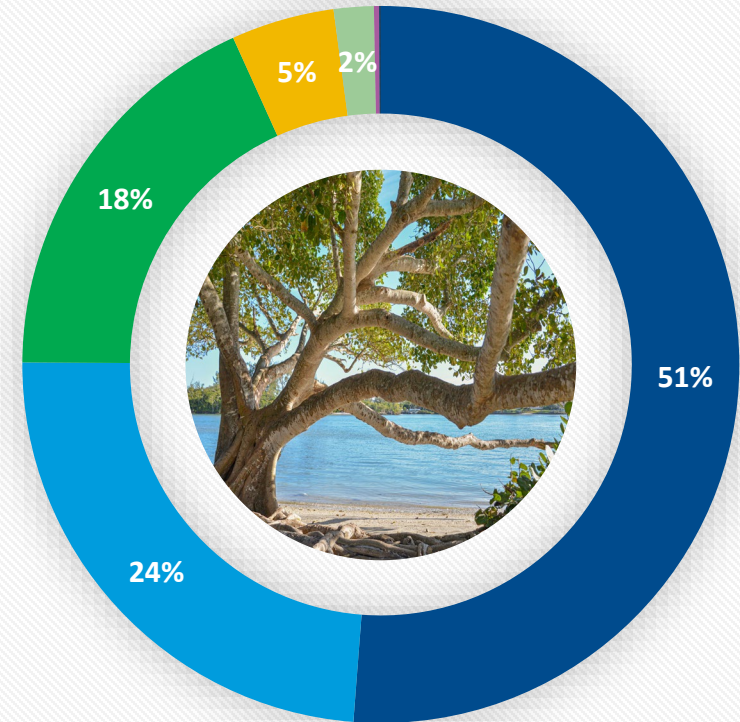
cooling HVAC

regional high speed rail



REGIONS' GHG INVENTORY

- **Transportation & Mobile Sources – 51%**
- **Residential Energy – 24%**
- **Commercial Energy- 18%**
- **Solid Waste – 5%**



Metric Tons CO₂e by Sector

- | | |
|-----------------------------------|----------------------|
| ■ Transportation & Mobile Sources | ■ Residential Energy |
| ■ Commercial Energy | ■ Solid Waste |
| ■ Industrial Energy | ■ Water & Wastewater |
| ■ Process & Fugitive | |



Summary. Community Based Organizations Workshop #1 Feb 16, 2024*



TRANSPORTATION

What are the transportation challenges you and your communities face?

- Existing transit travel times are long, and the network is disconnected and unreliable. Transit riders travel far distances and times to access destinations.
- Manatee has offered fare-free transit since 2020, yet ridership remains stagnant.

What are your top priorities for transportation investment?

- Need for an app that shows real-time data to make transit use more efficient and popular.
- Improve information about on-demand transit services.
- Improve first-last mile connections. Invest in e-bikes, e-scooters, and other forms of micro-mobility.

**Presentation and detailed meeting notes are posted on the project website www.scmc-pollutionreduction.com/.*



Summary.



BUILDINGS

What (if any) are the energy burdens on the communities?

- Energy is just one of the burdens facing residents. Residents are also trying to manage the cost of living and other economic burdens.
- Community outreach and education programs regarding energy usage should consider people's time and educational background (literacy levels).

Would your communities be amenable to solar PV on their roofs?

- General barrier is unknown impacts (impact on home insurance, the structure of the roof, use of precious metals, long-term goals for staying in the area, etc.).
- Need to consider that improving structural reinforcement of a house to install solar PV panels may improve 20% of the value of that house, which has implications for bringing the whole house up to code (additional costs).



Summary.



BUILDINGS

How should agencies prioritize Energy Efficiency & Renewable Energy for Agency-Owned Assets?

- Making facilities more resilient, secure, and efficient will reduce the cost of operation and lead to savings for the county and its residents.
- Schools should be prioritized because of additional educational impacts. Having solar PV on the grounds will help students learn about renewable energy.
- Community centers/libraries or other structures that can serve as heating or cooling centers should be prioritized.
 - Newtown Community Center
 - Betty J. Johnson Center
 - Boys and Girls Clubs
 - YMCAs



Summary.

SOLID WASTE

Would investment in food waste reduction programs and redistribution resonate with your communities?

- Improve education and awareness of appropriate recycling methods, food waste, and redistribution.
- Invest in additional infill technologies and share knowledge. Infill technologies have shown to be more effective at composting, recycling, and reducing pollutants since lower-income residents may not be as aware of proper methods to dispose of waste and materials.
- Approach allows for more efficient use of resources since the community has competing priorities. In other words, resident-based programs may not meet people where they are since their most urgent needs are prioritized over recycling technologies.
- Develop incentive-based pilot programs for composting and recycling.






GHG REDUCTION STRATEGIES AND LIDAC BENEFITS

Focused on the top three GHG emission sectors:

1. Transportation
2. Commercial Buildings
3. Residential Buildings


TRANSPORTATION

Measure	2025-2030 Potential GHG Reduction (MTCO ₂ /yr)	2025-2050 Potential GHG Reduction (MTCO ₂ /yr)	LIDAC Benefits and Co-benefits
 #7 Reduce Roadway Miles Traveled	4,626	56,022	<ul style="list-style-type: none"> ▪ Workforce improvements ▪ Improved community resilience ▪ Improved air quality ▪ Improved public health ▪ Improved resilience ▪ Potential savings in the agency-owned utility cost passed to end users
 #8 Decarbonize Lawn Equipment	3,330.60	40,337.19	<ul style="list-style-type: none"> ▪ Improved community resilience ▪ Improved community connectivity ▪ Improved public health ▪ Potential savings in the agency-owned utility cost passed to end users
 #9 Decarbonize Agency Fleet	504.65	6,111.82	<ul style="list-style-type: none"> ▪ Improved community resilience ▪ Improved air quality ▪ Improved public health ▪ Potential savings in the agency-owned utility cost passed to end users






GHG REDUCTION STRATEGIES AND LIDAC BENEFITS (continued)

RESIDENTIAL BUILDINGS

Measure	2025-2030 Potential GHG Reduction (MTCO ₂ /yr)	2025-2050 Potential GHG Reduction (MTCO ₂ /yr)	LIDAC Benefits. Annual Household Savings
 #1 Residential Renewable Energy	3,849.15	46,617	\$2,175
 #2 Residential Energy Efficiency	8,738.25	105,829.95	\$266
 #3 Residential Building Enclosure Upgrades	5,489.24	66,480.79	\$167.06
#3 Residential Buildings Window, Door, and Skylight Replacement	1,568.35	18,994.51	\$159.13

COMMERCIAL (AGENCY-OWNED FACILITIES)

Measure	2025-2030 Potential GHG Reduction (MTCO ₂ /yr)	2025-2050 Potential GHG Reduction (MTCO ₂ /yr)	LIDAC Benefits and Co-benefits
 #4 Facilities Renewable Energy	4,626	56,022	<ul style="list-style-type: none"> Workforce improvements Improved community resilience Improved air quality Improved public health Improved resilience Potential savings in the agency-owned utility cost passed to end users
 #5 Facilities Energy Efficiency	3,330.60	40,337.19	<ul style="list-style-type: none"> Improved community resilience Improved community connectivity Improved public health Potential savings in the agency-owned utility cost passed to end users
 #6 Facilities Building Enclosure Upgrades	504.65	6,111.82	<ul style="list-style-type: none"> Improved community resilience Improved air quality Improved public health Potential savings in the agency-owned utility cost passed to end users



CPRG Implementation Grant



Sarasota- Manatee County partnered Tampa Bay Regional Planning Council alongside other regional partners to apply for the EPA CRPG Implementation grant.

\$4.6 billion was available in the EPA CPRG competitive grant.

Tampa Bay Regional Planning Council led the statewide effort within four MSA regions called Sunshine State Energy Resilience Coalition.

The Coalition applied for a grant amount of \$199M, submitted on April 1, 2024.



Sunshine State Energy Resilience Coalition

Led by the TBRPC, the newly formed Sunshine State Energy Resilience Coalition (SSERC) applied for the EPA's Climate Pollution Reduction Grant competitive implementation funding.

Includes 40% of Florida's population

1. Tampa- St. Pete- Clearwater MSA. \$73M*
2. Orlando-Kissimmee-Sanford MSA. \$60M*
3. Jacksonville MSA. \$40M*
4. North Port-Sarasota-Bradenton MSA. \$26M*

*Each MSA received a minimum of \$10,000,000 then a percentage by population



Sunshine State Energy Resilience Coalition

Reducing greenhouse gas emissions in Energy and Building Sectors :

- Energy efficiency tools
- Efficiency and solar readiness
- Large-scale solar installation
- Workforce development





Energy Efficiency Tool Kit

Deploying energy efficiency tools and provide educational workshop throughout MSA with Energy Efficiency Toolkits (EE) and Residential Energy Auditing Toolkits (REA)

- EE Toolkits
 - Educational events will be held at community facilities that serve low-income and disadvantage communities (LIDAC)
- REA Toolkits
 - Available at public libraries and community centers to be loaned out to residents





Energy Efficiency Tool Kit

Toolkits will include items such as energy audit equipment's, LED bulbs, smart power strips, ventilation and weatherization products, water efficiency devices, and educational materials in multiple languages

Tampa and Sarasota MSAs will hire staff to assist with these programs and community engagement organizations.

- EE Toolkits
 - Sarasota MSA – 300 kits distributed per year
 - Tampa MSA – 200 kits distributed per year
- REA Toolkits
 - Sarasota MSA – 20 Backpacks to Public Facilities
 - Tampa MSA – 65 Backpacks to Public Facilities



Workforce Development

Partnership established the Florida Solar Energy Center and the Florida Solar Energy Industries Association.

- SSERC will be partnering with local branches of CareerSource Florida to provide financial support to businesses that hire new or update incumbent workers.
- Partnership with colleges and universities will allow us to meet our goals.





High Performing Buildings

Identify community-serving buildings that LIDAC residents rely upon for social, fiscal, educational, or health programs

- If grant is awarded, funding available for energy retrofits, solar installation, and solar storage
 - Grant program will be available to the cities and counties in the Tampa and Sarasota MSA regions to apply for buildings that meet the criteria





CPRG Implementation Grant

Award Announcement, Next Steps

July 2024: Notice of Intent to Award

October 2024: Receive Funding from EPA

November 2024: Coalition Members (MSA Leads) Sign Agreements

December 2024 –January 2025: Grants Available

February 2025: Awards Announced

March 2025: Sub-awards start the procurement process





If money were no object, which sustainable project would you invest in?

Example:

Free electricity/energy for all low-income communities

If money were no object, which sustainable project would you invest in?

Elevated monorail transport along major corridors and between SRQ and TPA.

Solar panels on all homes

Expansion of statewide residential solar

If you had not had short deadlines how would your grant requests have changed?

Resilience hubs for LIDAC communities

Free tree with establishment maintenance to any willing resident.

World-class public transportation network with buses, light rail, and awesome + safe pedestrian and bike infrastructure

Energy efficient HVAC systems and appliances

If money were no object, which sustainable project would you invest in?

All schools powered by renewable energy including academic classes

More food gardens and shade in high heat zones

Education - reducing stigma of solar

Solar panels / High efficiency HVAC for low income folks

Mass transit projects - especially bus and rail.

shift HOAs from lawns to native plantings

Schools grow their own food with the ability to provide surplus to lower economic residents

Passenger rail systems

If money were no object, which sustainable project would you invest in?

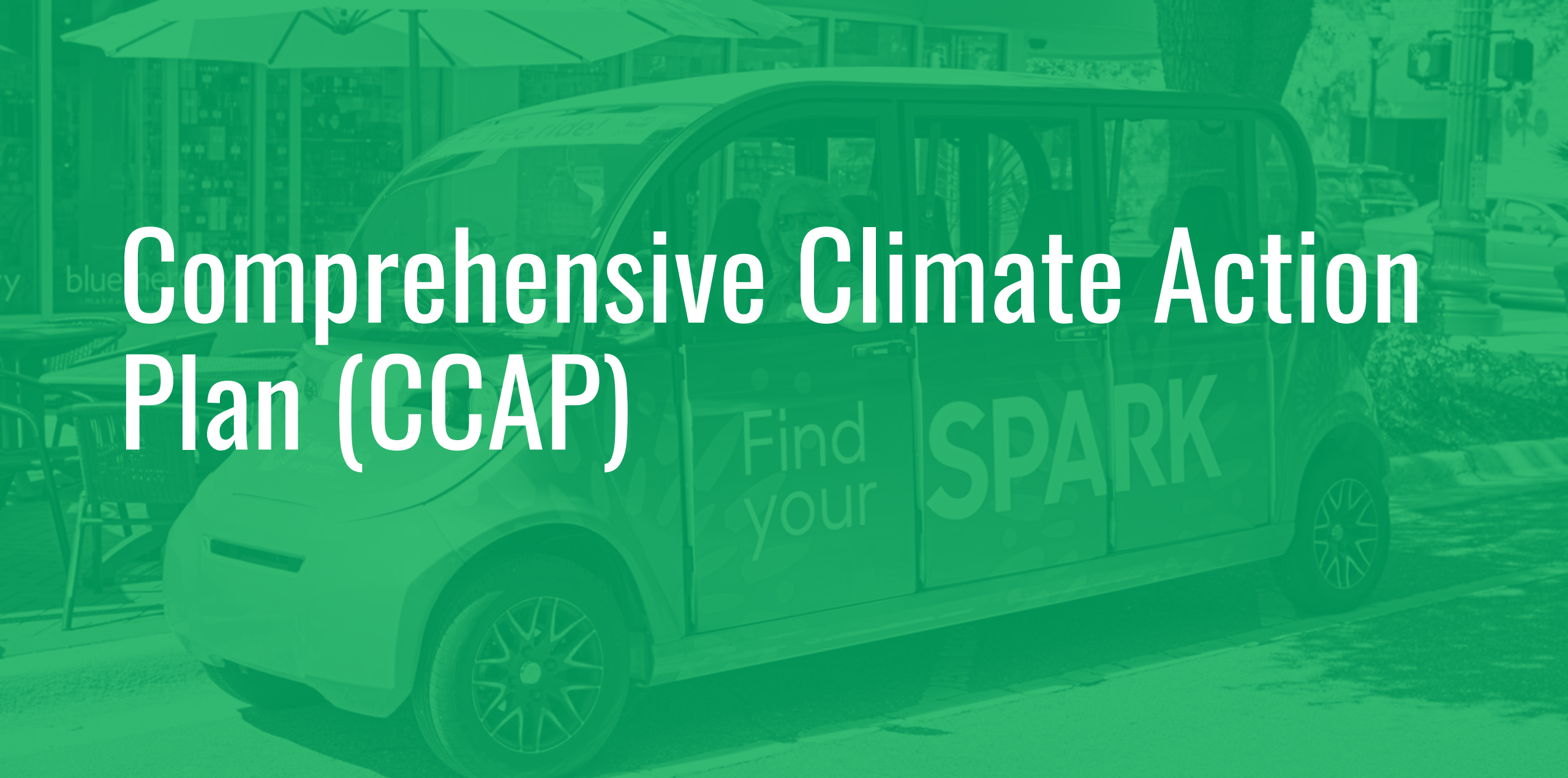
Protecting and restoring as much green space / natural areas as possible

create more shaded parking/roads (solar panel system coverage)

Virtual Meetings



Comprehensive Climate Action Plan (CCAP)





COMPREHENSIVE CLIMATE ACTION PLAN (CCAP)

The Climate Action Plans (both PCAP and CCAP) will position Sarasota and Manatee counties to compete for implementation funding.

Identify measures to help meet GHG reduction goals.

1. Implementation Plan with cost, implementation timeline, and authority to implement;
2. Potential Funding Sources for each identified short- and long- term strategies.



WHY WE NEED YOUR INPUT.

Your input will help us develop the GHG reduction projects and programs for regional investment.

The Climate Action Plan (PCAP, CCAP) will position Sarasota and Manatee counties to compete for implementation funding.

For example: The region applied for the EPA CPRG Implementation Grants with awards totaling \$4.6B in April 2024.



PROJECT TIMELINE

Next opportunity for
feedback



JUNE to JULY 2024	JULY to OCTOBER 2024	OCTOBER 2024 to FEBRUARY 2025	MARCH 2025	APRIL to AUGUST 2025	2026-27
<p style="text-align: center;">Agency Stakeholder Engagement</p>	<p style="text-align: center;">Community Engagement</p>	<p style="text-align: center;">Develop <i>draft</i> GHG reduction Strategies</p>	<p style="text-align: center;">Agency and Community Engagement</p>	<p style="text-align: center;"><i>Final</i> Comprehensive Climate Action Plan Report with GHG Reduction Strategies</p>	<p style="text-align: center;">Track Project Progress of identified strategies</p>
	<ul style="list-style-type: none"> ✓ Pop-up Events ✓ Public Meeting #1 		<ul style="list-style-type: none"> ✓ Public Meeting #2 		



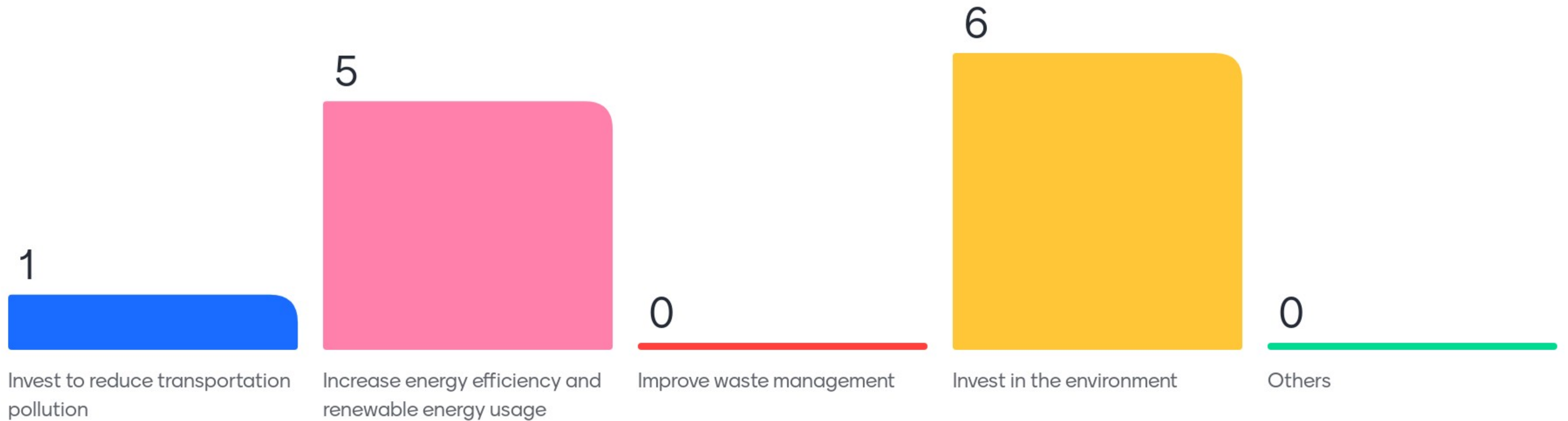
Today's discussion

What is the most valuable investment in the community?

You have \$100 to invest, what would you do?

1. Invest to reduce transportation pollution (like increasing public transportation increasing tree canopy)
2. Increasing energy efficiency and renewable energy usage (like solar panels, energy star rated appliances)
3. Improving waste management (like composting, recycling)
4. Investing in the environment (like increasing tree canopy, preserving wetlands)

What is the most valuable investment in your community? If you had \$100 to invest, how would you invest it?



If you want to invest your \$100 differently or split your investment, how would you do it?

split - environment & transportation

Energy efficiency

environment

Split between environment and transportation

Nature-based solutions can address all these sectors, but if 51% of pollution is coming from transportation, then that should be the priority

energy efficiency and transportation

Split proportionally



Break Out Session

1. What is the most valuable investment in the community?

2. What are the best ways for the strategies to be implemented?

- Share the benefits like energy cost savings through education.
- Ensure that investment includes our communities through green jobs.
- Provide incentives to the end-users to make different choices.
- Make policy changes to make mandatory changes when there are no costs to end-users.

3. What are the projects or gaps in the community for each of the topic areas? Are there specific energy reduction or air-quality projects for which you want to identify funding?

- a) Transportation
- b) Buildings
- c) Solid Waste
- d) Environment, Agriculture
- e) Others



BREAKOUT DISCUSSION

No recording



REPORT OUT, KEY MESSAGES

Recording



Questions?

Sign up for project updates at www.SCMC-PollutionReduction.com



Next Steps



PROJECT TIMELINE

**JULY to
OCTOBER 2024**

**Community
Engagement**

**OCT 2024 to FEB
2025**

**Develop *draft*
GHG reduction
Strategies**

MARCH 2025

**Community
Engagement**

★ July 2025

**Community
Engagement**

AUGUST 2025

***Final*
Comprehensive
Climate Action Plan
Report with GHG
Reduction Strategies**

2026-27

**Track
Project
Progress
of
identified
strategies**

- ☑ Pop-up Events
- ☑ Community Leaders Meeting #2

- ☑ Public Meeting #1

***Join us, help us
get the word
out!***

- ☑ Public Meeting #2

- ☑ Community Leaders Meeting #3

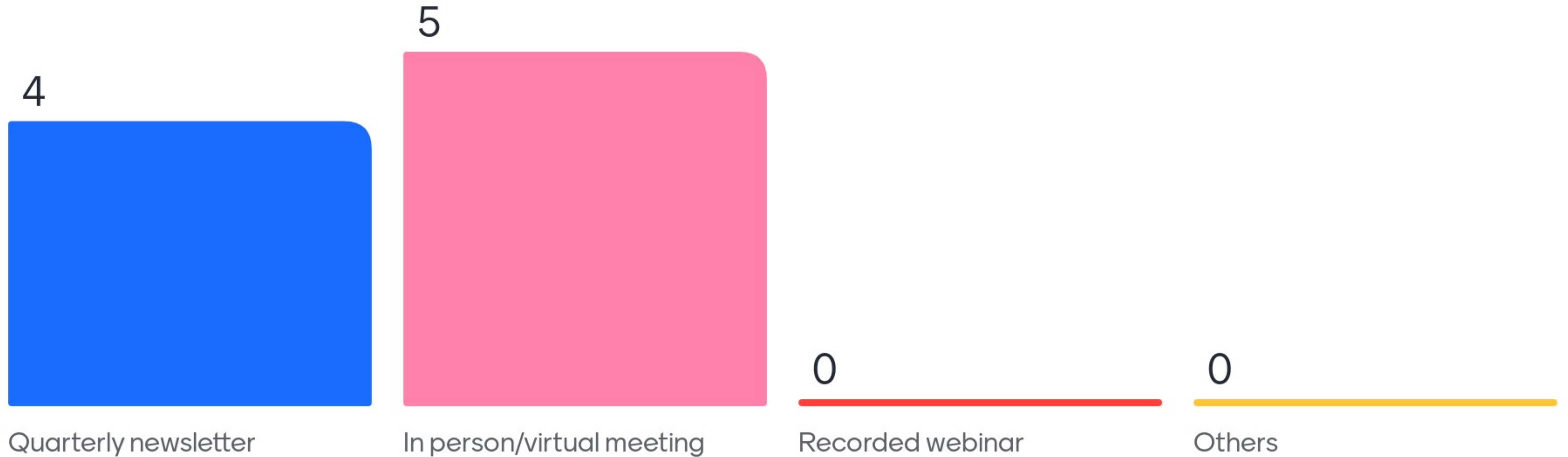


What is the best way to reach you during the CCAP?

Example:

Quarterly Newsletters, Workshops

What is the best way to reach you during the CCAP?





JOIN US AND SHARE INFORMATION



Pop-Up events

Several in June- August 2024



Public Meeting #1 (virtual only)

October 2, 2024, 5:00 pm to 7:00 pm



Public Meeting #2 (In-person only)

March 6, 2025, 5:00 pm to 7:00 pm

USF Selby Auditorium 8350 N Tamiami Trail,
Sarasota, FL 34243

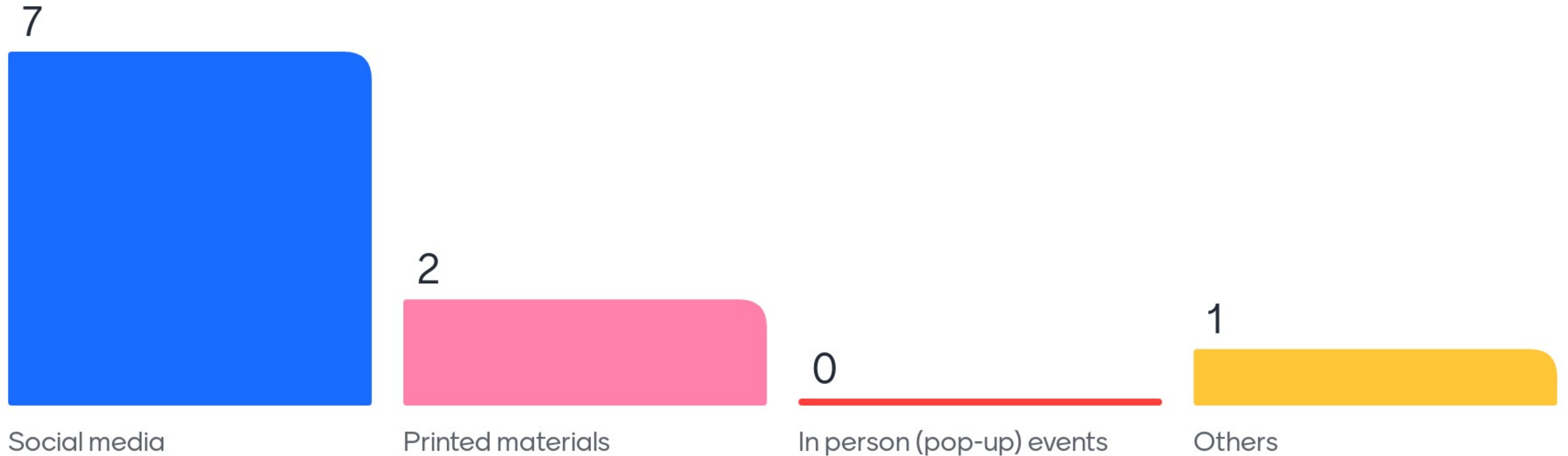
Registration links will be posted on the chat box. The links will be updated on the project website <https://www.scmc-pollutionreduction.com/>



What is the best way to share meetings information with the community?

Example:
social media, printed materials, in-person events

What is the best way to share meeting information with the community?





Who would like to distribute postcards to get the word out?

English and Spanish versions will be available.

**Sarasota-Manatee Region
CLIMATE POLLUTION REDUCTION PLAN**

The Comprehensive Climate Action Plan aims to provide a roadmap to reducing pollution in various sectors, including transportation, building energy, solid waste, and agriculture.

TRANSPORTATION
BUILDINGS
SOLID WASTE
AGRICULTURE

Please visit the website for additional information.
www.scmc-pollutionreduction.com

CLEAN AIR COALITION
Sarasota - Manatee Region

**BE INVOLVED IN
DEVELOPING A
COMPREHENSIVE
CLIMATE ACTION PLAN!**

Your input is critical to ensure an effective and equitable plan that accurately reflects the needs and priorities of the Sarasota-Manatee Region.

CLEAN AIR COALITION
Sarasota - Manatee Region

Community Meeting #1
Virtual Meeting. October 2, 2024
5:00 p.m. to 7:00 p.m.

Community Meeting #2
In-Person only. March 6, 2025
5:00 p.m. to 7:00 p.m.

Register for the meetings at
<https://www.scmc-pollutionreduction.com/#engage>



Thank you.

Questions?

Please email Sara Kane at SKane@scgov.net or Catherine Prince at Catherine.Prince@wsp.com