LINKS: Because City of Richmond staff do not have the ability to contribute to the chat feature in MS Teams, we will create a list of links to be shared with the WG here - slides, agenda, other materials, etc.

- <u>Meeting slides</u>
- Equity Screening Tool
- <u>Feedback survey</u>
- <u>New! Volunteer survey</u>

Q&A: Because City of Richmond staff do not have the ability to contribute to the chat feature in MS Teams, we will use this slide to communicate questions and answers throughout the meeting

- Type your questions here!
- On Slide #16, we see the "Status" of each Action, which makes it seem like this will very much be a living document. How often will this be updated and by who?
- What do you anticipate the City Council approval process will look like? Will it move through the Planning Commission? Do you anticipate nit picking and politic-ing and, if so, in which ways?
- Do you think you'll get requests for examples of how to facilitate equitable engagement? Wondering if that should be a specific section in the Appendices.

Welcome!

surveymonkey.com/r/J6N75BF



https://www.rvaonthecheap.com/where-to-enjoy-cherry-blossoms-in-the-richmond-area/

RVAgreen 2050 Environment Working Group Monday, February 7, 2022

Introducing RVAgreen 2050: Climate Equity Action Plan 2030



Equitable climate action for a healthy and resilient Richmond

Agenda

- I. Intro: Settling in & ground rules
- II. Partner Updates: What are your recent "wins" for equitable climate action and resilience?
- III. Review: Where we've been
- IV. Presentation: Introducing the draft Climate Action Plan 2030
- V. Discussion: Engagement and advocacy
- VI. Conclusion: Wrap-up and next steps

Today's Objectives

- Review and discuss any questions on the RVAgreen 2050 planning process
- Provide an orientation to the Climate Equity Action Plan 2030, particularly this group's Pathway and new content
- Look forward to community-wide engagement in April-May and approval/adoption in summer-early fall: what should we be doing and what can you help us with?

Ground Rules / Group Expectations



Partner Updates

What are your recent "wins" for equitable climate action and resilience? Stormwater Utility: \$ for flood preparedness!!!!



Park / Henrico County Parks / JRA

McGuire and Chapel Drive:

Timeline review



RVAgreen 2050: **Climate Equity** Action Plan 2030

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Climate Equity Action Plan 2030



healthy and resilient Richmond

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Climate Equity Action Plan 2030



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Climate Equity Action Plan 2030



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Guide to the 2030 Action Plan

Strategy Reference Context: Relevant Objective Number: Shorthand used background information and Reference Number Objective Pathway to refer to the Strategy rationale for the Strategy RVAg een 2050 | Climate Equity Action Plan 2030 RVAgreen 2050 | Climate Equity Action Plan 203 M----Achieve climate neutrality and increase resilience in **Objective BE-1** Strategy BE-1.1 overnment buildings, infrastructure, and operations Municipal Energy Efficiency Program OUTCOMES How does this Objective contribute to a more equitable, RVAgreen 2050 and Richmond 300. healthy, and resilient Richmond? The City of Richmond has an obligation to lead by example and act expeditiously to reduce its energy usage in buildings and Advanced green economy Increased flood resilience operations. Efficiency has the benefit of saving taxpayer dollars budgeted for utility costs and often reducing maintenance costs Cleaner and more efficient buildings Increased heat resilience Iustration created by Thomas Jones providing an even bigger benefit. Cleaner and more efficient increased support for climate action and resilience ARD COST TIME CHG RESILI L Convert all city-owned streetlights to LED, integrate solar options where feasible, and streamline efficiency Public Utilities-Streetlighting \$\$ 2022 -2025 ÷ Climate-ready community Streetlighting LL L Less landfill waste measures; Prioritize improvements in formerly redlined neighborhoods and proactively communicate climate . Engaged and involved community Lower greenhouse gas emissions Impact and resilience benefits with the communities. Improved air quality Hore green space and trees II. Track energy usage in all City-owned Dublic Works-buildings and set energy usage benchmarks according to building . type and climate impacts. STRATEGIES BE-11: Municipal Energy Efficiency Program: Develop a program to achieve Public Works - \$\$\$ 2022 - 2025 II. Equitably prioritize energy efficiency retrofits of City-owned buildings in areas that serve the public Special Capital Projects ÷ the energy efficiency goals of RVAgreen 2050 and Richmond 300. 111 ±0 A therefore improving their health, safety, and accessibility while rating the highest return on investment in 69 BE-1.2: Municipal Clean Energy and Net Zero Construction: Incorporate measures toward the goal of converting all city buildings to clean energy by 2050 cost savings and CHG reductions. h: Create an Energy Manager position Administrative Officer-BE-13: Municipal Climate Impact Mapping: Establish a protocol for tracking with authority to identify equity gaps in energy management, work across all departments and coordinate ±0 A greenhouse gas emissions and planning for climate impacts. Operations partnerships in frontline communities BE-14: Municipal Resilient Infrastructure Assessment: Conduct a climate vulnerability and risk assessment of all city property (including buildings and parcels). Identify and prioritize properties for specific resilience projects. BE-4 | Buildings and Energy BE-5 | Buildings and Energy Status: Where the Action is in Actions: Specific Cost: An estimate of the Resilience: Climate change steps to take to terms of implementation as of cost of implementation of impacts that the Action addresses implement the writing of this plan the Action through 2030 * Extre Flooding and Extreme the Strategy sea level rise \$ = <\$1M Ongoing = already started or underway Extreme Community \$\$ = \$1M-\$50M City Steward: The weather events resilience Ready to go = ready to City of Richmond \$\$\$ = >\$50M be implemented or is in department or unit another city plan with primary Equity: Community priorities that responsibility for the Action addresses Mitigation: An estimate Requires policy change = implementing the of how much the Action requires city or state law Action Racial equity and environmental justice will reduce greenhouse or policy change in order gas emissions to be implemented Government Affordable Time: accountability 🛍 housing Low Timeframe for implementation Health and Neighborhoods Medium well-being $\widehat{}$ Community Engagement and High

Strategy Name

communications

Environment

Invest in resilient, healthy, and equitably distributed natural resources throughout the community to support biodiversity and human well-being.

OBJECTIVES

0-

ENV-1: Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.

ENV-2: Reduce risks and impacts to the community and natural environment from extreme heat and drought.

ENV-3: Reduce risks and impacts to the community and natural environment from extreme precipitation and flooding.

ENV-4: Engage the natural environment to improve air quality and reduce greenhouse gas emissions.

OBJECTIVES

0-

ENV-1: Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.

Environment

Invest in resilient, healthy, and equitably distributed natural resources throughout the community to support biodiversity and human well-being.

ENV-3: Reduce risks and impacts to the community and natural environment from extreme precipitation and flooding.

impacts to the community and

ENV-2: Reduce risks and

natural environment from

extreme heat and drought.

ENV-4: Engage the natural environment to improve air quality and reduce greenhouse gas emissions.

Objective ENV-1

Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.

OUTCOMES

How does this Objective contribute to a more equitable, healthy, and resilient Richmond?



ENV-1.1: Green Space Management: Create a program and public-private partnerships to maintain and expand high-quality public green space.

ENV-1.2: Parks Master Plan: Support the development, funding, and implementation of a Parks Master Plan.

ENV-1.3: Urban & Community Agriculture: Develop, fund, and implement an urban and community agriculture program.

RVAgreen 2050 | Climate Equity Action Plan 2030

Environment

Invest in resilient, healthy, and equitably distributed natural resources throughout the community to support biodiversity and human well-being.



Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.

Increased heat resilience

action and resilience

Less landfill waste

Increased support for climate

Lower greenhouse gas emissions

- 10 M

More green space and trees

How does this Objective contribute to a more equitable, healthy, and resilient Richmond?

Cleaner and more efficient buildings

Cleaner and more efficient transportation

Climate-ready community

Engaged and involved community

Improved air quality

STRATEGIES

OUTCOMES

ENV-1.1: Green Space Management: Create a program and public-private partnerships to maintain and expand high-quality public green space.

ENV-1.2: Parks Master Plan: Support the development, funding, and implementation of a Parks Master Plan.

ENV-1.3: Urban & Community Agriculture: Develop, fund, and implement an urban and community agriculture program.

Strategy ENV-1.1

Green Space Management

Create a program and public-private partnerships to maintain and expand high-quality public green space.

"Green space" - parks and other open spaces with plants, trees, water, animals, and other natural features - are critical to a healthy and resilient community. Parks, open spaces, and urban forestry are what will make our city safe and habitable through the climate crisis.



Illustration created by Kt Nowak.

	STATUS	CITY STEWARD	соѕт	TIME	GHG REDUCTIONS	RESILIENCE	EQUITY
i. Create a model for and pilot public- private partnerships to help the City create, maintain, and manage high-quality parks, green infrastructure, and public open space.	•	Parks and Recreation	\$	2022 - 2025	111	*1 +	÷ 20
ii. Create a plan for the control and minimization of the presence and impacts of invasive species, taking climate change into account.	0	Parks and Recreation	\$	2026 - 2030	l.	*1 *	
iii. Validate and implement recommendations of the Mayor's Green Team (2020) including fostering interdepartmental cooperation and coordination on green space and parks projects.	0	Parks and Recreation	\$\$	2026 - 2030	14	*1 +	₩ ▲ ♥ ↓
iv. Create a citywide definition of "high-quality green space' that supports equitable climate action and resilience.	•	Parks and Recreation	\$	2022 - 2025	l.L	*1 +	

Environment

Invest in resilient, healthy, and equitably distributed natural resources throughout the community to support biodiversity and human well-being.

Objective ENV-1

Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.

ENV-1.1: Green Space Management: Create a program and public-private partnerships to maintain and expand high-quality public green space.

ENV-1.2: Parks Master Plan: Support the development, funding, and implementation of a Parks Master Plan.

ENV-1.3: Urban & Community Agriculture: Develop, fund, and implement an urban and community agriculture program.

Objective ENV-2

Reduce risks and impacts to the community and natural

environment from extreme heat and drought.

ENV-2.1: Urban Heat Island Reduction: Develop, fund, and implement an urban heat island reduction plan and program.

ENV-2.2: Urban Forest and Green Space Planning: Use urban forest and green space planning to increase climate resilience.

Objective ENV-3

Reduce risks and impacts to the community and natural

environment from extreme precipitation and flooding.

ENV-3.1: Neighborhood Prioritization: Identify and prioritize extreme precipitation and flooding projects using community engagement and data.

ENV-3.2: Extreme Precipitation Resilience Planning and Operations: Increase planning and capacity for green infrastructure management and flood resilience measures.

ENV-3.3: Land Management Practices: Enhance land management practices to increase capacity for flood resilience measures.

Objective ENV-4

Engage the natural environment to improve air quality and

reduce greenhouse gas emissions.

ENV-4.1: Carbon Sequestration: Implement equitable carbon farming, sequestration, and removal. DRAFT | February 2022



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оитсоме	INDICATOR	DATA SOURCE & NOTES	оитсоме	INDICATOR	DATA SOURCE & NOTES
	# and % of green jobs	To be determined: In 2013 the U.S. Bureau of Labor Statistics eliminated its Green Goods and Services Occupations data	Increased flood	Number of incidents of standing water, flooding, and emergency service during heavy precipitation events	Assemble data from RVA311, emergency service providers, and other sources to be identified
Advanced green economy		and publications program. Alternative methodology to be identified using best practices and peer city research.		Number of calls/311 requests for standing water, flooding, and emergency service during heavy precipitation events by census tract (and/or race and ethnicity if available)	Assemble data from RVA311, emergency service providers, and other sources to be identified
	Number of residents completing training, education, and apprenticeship programs related to climate action and resilience by race and ethnicity	City departments, higher education institutions, and partner organizations			
			Increased heat	Temperature difference between hottest and coolest areas of the city	Urban heat island study and/or satellite data
Cleaner and more	Total building energy use (Btu)	Dominion Energy		Percent of population facing "high heat vulnerability" to climate change per the Climate Equity Index by race and ethnicity-race and ethnicity don't predict	RVAgreen 2050 Climate Equity Index
efficient buildings	Percentage of households with high energy burden by race and ethnicity	U.S. Census	resilience		
	Percentage of travel (mode share) not with single-occupancy internal combustion	U.S. Census		vulnerability	
Cleaner and more efficient transportation	engine vehicles			Percentage of RVAgreen 2050 actions funded	City budget
	Percentage of population within a 10 minute walk of a fixed-route transit stop with amenities by race and ethnicity	U.S. Census + Greater Richmond Transit Company (GRTC)	Increased support for climate action and resilience	Annual \$ allocated directly from the city or facilitated through a partnership with the city to community organizations for	City budget
Climate-ready community	Number of residents receiving information on climate change impacts through	To be determined; methodology to be developed using Office of Sustainability communications platforms and tracking information.	und resilience	neighborhood-based climate action and resilience projects	
	website, social media, events, trainings, and other communications channels (to be defined)			Total waste going to landfill (tons)	Transfer station operator and private haulers
	Percentage of population facing "high vulnerability" to climate change per the Climate Equity Index by race and ethnicity	RVAgreen 2050 Climate Equity Index	Less landfill waste	Percentage of households that have access to curbside/on-site recycling services by census tract	U.S. Census
	Number of respondents to annual sustainability survey (online, paper, phone,	Annual community survey	Lower greenhouse gas emissions	Total community GHG emissions (MTCO2e)	Office of Sustainability Greenhouse gas emissions inventory
Engagod	and in-person)			Per capita GHG emissions by census tract (MTCO2e)	Office of Sustainability Greenhouse gas emissions inventory - calculation methodology to be developed with community partners
Engaged and involved community	Number of respondents to annual sustainability survey (online, paper, phone, and in-person) by race, ethnicity, and income - compare to citywide demographics	Annual community survey			
			More green space and trees	Citywide average Tree Equity Score	American Forests Tree Equity Score Tool
				Percentage of population within a 10	U.S. Census + Department of Parks and
Improved air	Citywide average Air Quality Equity Score	To be determined: methodology to be developed with community partners		minute walk of a public park with green space by race and ethnicity	Recreation data
		modeled after Tree Equity Score; data to be gathered when air quality monitoring network is established (est. 2023/24).			
quality	Average Air Quality Equity Score by race and ethnicity	To be determined: methodology to be developed with community partners modeled after Tree Equity Score; data to be gathered when air quality monitoring network is established (est. 2023/24).			

RVAgreen 2050 Shared Accountability Framework

Purpose

A critical concern for RVAgreen 2050 stakeholders throughout the planning process was ensuring the Action Plan does not end up sitting on a shelf. Equitable implementation of the Plan is just as important as the Plan itself.

Commitments

- » Regular Evaluation: Taking concrete steps to plan for and measure progress to stay on track toward goals.
- » Transparency: Publicly communicating goals, plans, and outcomes. Identifying needs and potential impact up front.
- » Culture of Improvement: Receive feedback. Revise plans and measures over time to stay on track toward goals.

- » Trusting Relationships:
 - Relationships entered into mutually and oriented around a commitment that parties make each other.
- Institutionalizing
 Sustainability in City

and decision-making.

Government: Creating an organizational backbone to combat climate change through organizational structure, culture, staffing,

Helps answer the questions:

"Are **we*** on track toward equitable implementation of RVAgreen 2050?" "**Who** is responsible for **what** as part of that implementation?"

*We = the entire Richmond community working towards the goals of RVAgreen 2050

Shared

Responsibility

Regular Evaluation -

- Outcomes and indicators
- Annual progress report
- Biannual greenhouse gas emissions inventories
 - Climate Equity Index
 Project Tracker

Institutionalizing Sustainability in -City Government

- Employee orientation, training, and performance
 - Climate ambassadors
 - Internal operations and policies
 - Climate considerations in budgeting and finance

Figure 8.1. Shared Accountability Graphic

Transparency

- RVAgreen 2050 Plan, goals
 and outcomes
- Community priorities
- Climate Equity Index
- Interactive website, newsletters
 and social media
- Mayor's State of the City

Culture Of Improvement

- Equity screening tool and
 Equitable Implementation Guide
- · Annual community-wide survey
- Annual equity evaluation and lessons learned
- · Plan update every five years

Trusting Relationships

- Implementation teams
- Racial Equity & Environmental Justice Roundtable
- Annual convening of partners

WHO?	WHAT?
Office of	» Steward development, adoption and implementation of the RVAgreen 2030 Action Plan
	» Champion actions to institutionalize sustainability in city government, including:
	» Building awareness among all city employees through new employee orientation and other training opportunities, incorporating climate competencies into job descriptions and performance evaluations, and other initiatives
	» Mobilizing employees through a climate ambassadors program to promote a culture of sustainability
	 Evaluating and updating city policies and programs to reduce greenhouse gas emissions and address the impacts of climate change (such as procurement, hazard mitigation, social services, and others)
Sustainability	» Incorporating climate considerations into the city's annual budgeting processes
Primary convener	» Convene and support Implementation Teams, including quarterly convenings by RVAgreen 2050 Pathway
providing support to city and	» Convene and support the Racial Equity and Environmental Justice Roundtable
community leaders	» Track data for annual progress report and additional updates as needed, including:
	» Indicators
	» Biannual greenhouse gas inventories
	» Climate Equity Index project tracker
	» Website updates
	» Organize annual convening of implementation partners
	» Conduct annual community-wide sustainability survey
	» Provide annual reports to Green City Commission, Mayor and Chief Administrative Officer, City Council, and Planning Commission
	» Steward development and adoption of plan updates (2035, 2040, 2045)

WHO?	WHAT?
Implementation Teams Groups of stakeholders from city departments, partner organizations, and community	 » Implement RVAgreen 2050 strategies and actions » Use the Equity Screening Tool, equitable implementation guide, Climate Equity Index, and other equity-centered tools to guide implementation » Provide updates to the Office of Sustainability at regular intervals
Racial Equity and Environmental Justice Roundtable 10-member group of residents paid for their time and lived experience expertise to center equity in implementation	 Develop and update as needed an equitable implementation guide (as a next iteration of the RVAgreen 2050 Equity Screening Tool) Two members per RVAgreen 2050 Pathway assist Implementation Teams to ensure equitable implementation of strategies and actions Work with Office of Sustainability to conduct an annual evaluation of plan objectives and strategies; review and approve changes Create an annual report on implementation using the Shared Accountability Framework Members commit to: Monthly Roundtable meetings Quarterly Implementation Team meetings by Pathway Staggered 2-year terms Living or working in communities on the frontlines of climate change (census tracts with above-average social vulnerability via the Climate Equity Index) Assist with recruiting new members at the end of their terms
	» Members receive a stipend payment of \$500 every 6 months for their service

WHO?	WHAT?
Mayor and Chief Administrative Officer	 » Ensure overall accountability for RVAgreen 2050 » Review and approve 2030 Action Plan to be adopted into the Richmond 300 Master Plan » Review annual reporting information » Provide annual updates, highlights, and priorities in State of the City address » Ensure there is dedicated and consistent city funding for implementation » Review and approve plan updates (2035, 2040, 2045)
Clty Council	 » Ensure overall accountability for RVAgreen 2050 » Review and adopt 2030 Action Plan into the Richmond 300 Master Plan » Review annual reporting information » Ensure there is dedicated and consistent city funding for implementation » Review and adopt plan updates (2035, 2040, 2045)
Planning Commission	 » Review and approve 2030 Action Plan to be adopted into the Richmond 300 Master Plan » Review annual reporting information » Review and approve plan updates (2035, 2040, 2045)
Green City Commission	 » Review annual reporting information » Provide recommendations and input on updates, particularly in technical areas » Adopt priorities annually to support RVAgreen 2050 strategy implementation
Richmond Community	» Participate in planning, implementation, and update processes (read more on our community's shared responsibility in the next section)

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Questions?

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Climate Equity Action Plan 2030

Equitable climate action for a healthy and resilient Richmond

What's next for the document?

• Working Groups and Roundtable review: now through <u>February 18</u>

Does this reflect your work?

Do you feel ownership, particularly of the content in the Pathway?

If we don't hear from you, we'll assume YES!

• Late February - early March: City staff and leadership review

 Mid-March - early-April: Office of Sustainability prepares document for community-wide engagement in April...more on that......>

Spring 2022 community-wide engagement (and beyond)

- Mid-April through mid-May
- Goals for the Office of Sustainability: transparency and accountability
 - At this point we are not seeking new strategies; instead we are looking to:
 - Bring what we heard back to the community
 - Raise awareness and reach new audiences
 - Why is this important and important now?
 - Does this still address community priorities?
 - Build support for adoption and implementation
 - Use any specific ideas and input in implementation

Discussion

- General reflections, thoughts, and ideas
- How have you been engaging the community recently?
- What can we align with during the April-May timeframe?
- Where should we put our energy, with an eye towards advocacy for adoption in summer/early fall?
- Can you anticipate any potential hurdles or blind spots towards adoption?
- We need your help! (quick survey)

Wrap-up and next steps

• NEXT STEPS:

- Early April: one all-working groups meeting to share community engagement information and ask for your help
- Mid-April through mid-May community engagement period
- June: **final** meeting to discuss community input, advocacy for plan adoption, and look forward to implementation

• NOW:

- VOLUNTEER SURVEY! link
- Share updates, upcoming events, and resources

THANK YOU!