

RVAGreen 2050 Transportation
Technical Working Group
2/4/2021



Drafting Objectives

Equitable climate action for a healthy and resilient Richmond

Agenda

- I. Settling in and ground rules
- II. Review proposed RVAgreen2050 structure
- III. Review RVAgreen2050 inputs
- IV. Discussion:** Pathways to climate action & resilience goals
- V. Discussion:** Objectives
- VI. Wrap-up and next steps

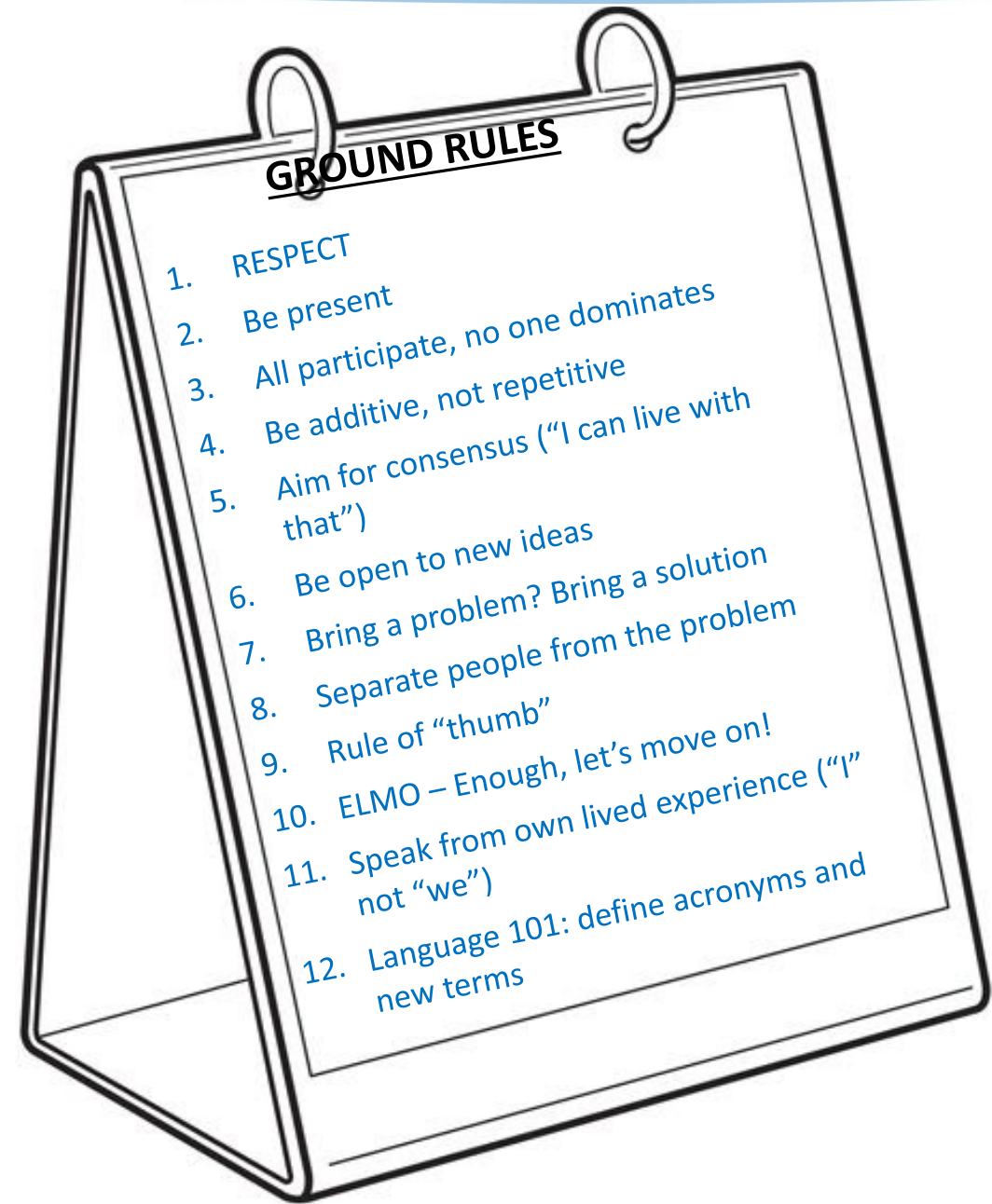
TODAY'S OBJECTIVES:

- *Review proposed structure of RVAgreen 2050*
- *Review key inputs for RVAgreen 2050*
- *Review and provide input on draft pathways*
- *Review and provide input on draft objectives*

Desired takeaways:

Get your input and buy-in

Ground Rules & Group Expectations



RVAgreen 2050 Structure

Goals	What are the long-term aims we want to accomplish?
Vision	What does the ideal future look like when RVAgreen 2050 is implemented?
Community Priorities	What cross-cutting public values do we want to center in our plan?
Pathways	What leverage points will lead us towards realizing and operationalizing the goals and community priorities?
Objectives	What are the long-term aims we want to accomplish, organized into the different pathways?
Strategies	What are the SMARTIE projects, programs and policies that will lead us toward our objectives?
Implementation Plan	How are we going to implement, measure progress, and ensure accountability in this plan?

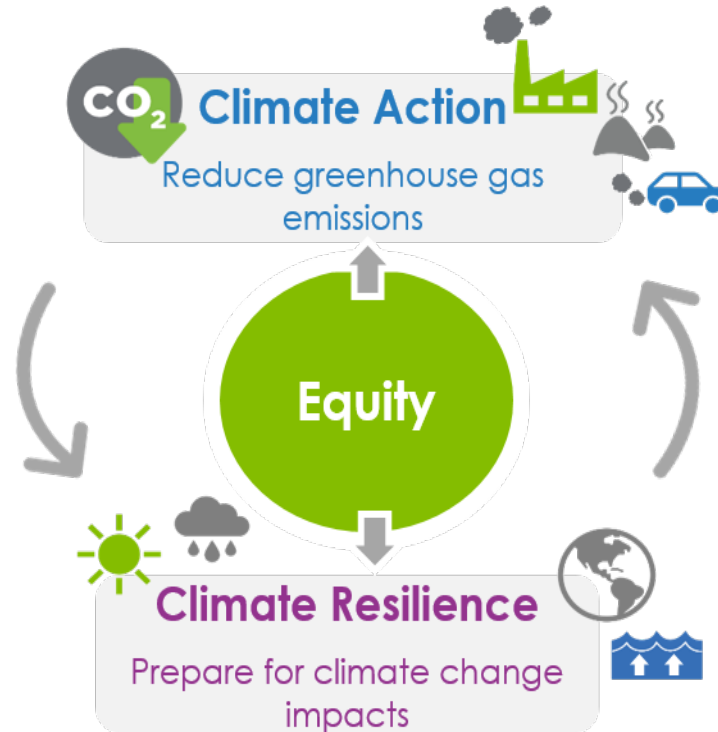
Goals

Climate Action:

- Achieve a 45% reduction in greenhouse gas emissions by 2030 from the 2008 baseline
- Achieve net zero greenhouse gas emissions by 2050

Climate Resilience:

- Prepare for, adapt, and improve the City of Richmond's resilience to the local impacts of climate change.



RVAgreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

Vision

All Richmonders, regardless of their identity or neighborhood, thrive in a climate-resilient and climate-neutral community.

Supporting Principles:

- Community and personal **well-being, local ecosystems, and economic vitality are balanced** in a truly sustainable Richmond.
- Everyone has **equitable access across the entire city to resources** that are clean, sustainable, and affordable, including air, water, food, energy, housing, transportation, economic opportunities, and natural resources.
- **Everyone has the ability and resources to take ownership** of equitable climate action and community resilience planning and implementation.
- “Identity” includes, but is not limited to,: race, ethnicity, age, ability, gender, sexual orientation, and religion. **We lead with race in our work to transform systems** impacting all historically disenfranchised communities.

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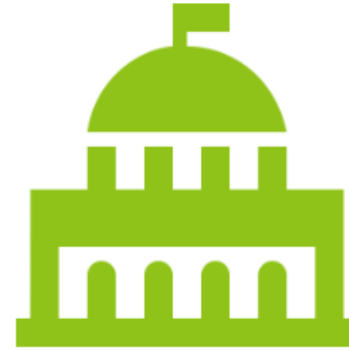
Community Priorities



Racial Equity &
Environmental Justice



Engagement &
Communication



Government
Accountability



Community
Wealth



Housing &
Buildings



Neighborhoods



Health & Well-
Being

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Where we are now...

Goals

- 45% reduction in GHG by 2030
- Net Zero GHG by 2050
- Prepare for, adapt, and improve Richmond's resilience to the local impacts of climate change

Vision

All Richmonders, regardless of their identity or neighborhood, thrive in a climate-resilient and climate-neutral community.

Community Priorities

- Racial Equity & Environmental Justice
- Engagement & Communications
- Government Accountability
- Community Wealth
- Housing & Buildings
- Neighborhoods
- Health & Well-Being



Pathways

- Buildings & Energy
- Waste Reduction & Recovery
- Transportation
- Environment
- Community

Objectives

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Strategies

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Implementation

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Draft Pathways

Working Groups	Mission Statements
Buildings & Energy	Accelerate the equitable transition to healthy, resilient, carbon-neutral buildings and energy sources
Waste Reduction & Recovery	Fostering sustainable methods of waste reduction – wasting less, reusing more
Transportation	Accelerate the transition to clean and equitable mobility systems
Environment	Invest in Ecosystem Resilience, Regeneration, and Conservation
Community	Create an equitable, healthy, prosperous, and resilient Richmond for all while ensuring focus and honoring community priorities

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Draft Pathway - *Transportation*

“Accelerate the transition to clean and equitable mobility systems”

Discussion questions:

- What do you like?
- What don't you like?
- What's missing?

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- Engagement & Communications
- Government Accountability
- Community Wealth
- Housing & Buildings
- Neighborhoods
- Health & Well-Being

Pathways

- Buildings & Energy
- Transportation
- Waste Reduction & Recovery
- Environment
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Objectives

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Strategies

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Draft Objectives - *Inputs*

RVAgreen 2050...

is at the nexus of...

with inputs/tools for each element...



Equity

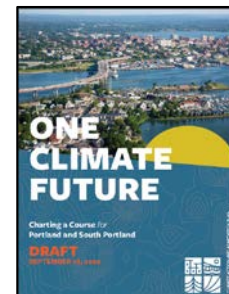
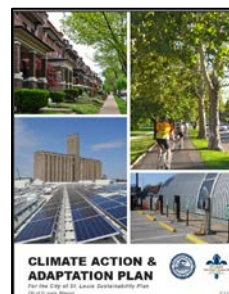
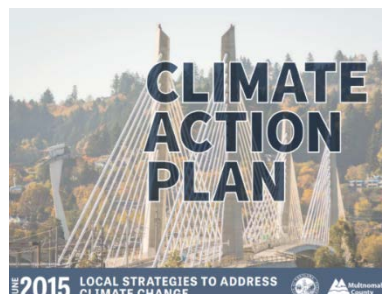
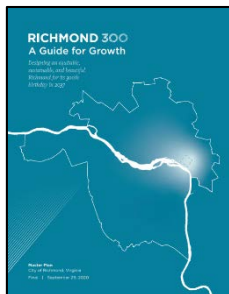
Climate Action

Climate Resilience

- Climate Equity Index
- Training and capacity building
- Community priorities
- **Equity Screening Tool**

- Greenhouse gas inventories
- Richmond 300 actions
- Best practices and examples from peer cities
- **Greenlink GHG emissions modeling**

- Climate change impacts data
- Richmond 300 actions
- Best practices and examples from peer cities
- **Climate Vulnerability & Risk Assessment**



Aligning Objectives

Richmond300 Goals	Greenlink Policies	Peer City CAAP Objectives
Diverse Economies: Jobs & Businesses		
Multi-modal Planning	Alternative Commute Modes	Implement a Smart Cities Infrastructure (Palo Alto, CA)
Equitable Transportation: Emerging Transportation Technologies		
Expand & Maintain Richmond Signal System	Land Use & Commute Incentives	Improve the Efficiency of Freight Movement (Portland)
Smart Infrastructure Planning	Alternative Commute Modes	Expand Neighborhood Car Sharing (Oakland)
Increase Low Emission Vehicles	Electric Vehicle Adoption	Invest in EVs and Charging Stations (Providence)
Manage & Monetize the Curb	Land Use & Commute Incentives	Rethink Curb Space (Oakland)
Equitable Transportation: Land Use & Transportation Planning		
Prioritize Multimodal Transportation Options	Alternative Commute Modes	Reduce Demand for Private Vehicle Trips (Boston)
Transit Oriented Development	Land Use & Commute Incentives	Facilitate Alternative Commutes (St. Louis)
Equitable Transportation: Vision Zero		
Public Safety	Alternative Commute Modes	Establish Car-Free Areas (Oakland)
Equitable Transportation: Non-Car Network		
Improve Pedestrian Experience	Alternative Commute Modes	Create walkable/bikeable neighborhoods (Portland)
Increase Miles of Greenways in Regional Network	Land Use & Commute Incentives	Manage Road System to Minimize Emissions (Portland)
Improve Bike/Slow Vehicle Network & Amenities	Alternative Commute Modes	Infrastructure that Supports Walking, Biking (Providence)
Increase Transit Service	Clean Public Transit	Abundant, Affordable, Accessible Transit (Oakland)
Connect Region to Other Regions & Cities	Land Use & Commute Incentives	Transform How People Get Around (San Antonio)
Transportation Demand Management Strategies	Land Use & Commute Incentives	Expand & Strengthen TDM Requirements (Oakland)
Equitable Transportation: Streets, Bridges, and Connections		
Improve Streets for All Users	Land Use & Commute Incentives	Integrate Land Use & Transportation (St. Louis)
Strengthen the Street Network	Land Use & Commute Incentives	Reduce Congestion & Vehicle Emissions (St. Louis)
Parking Strategies to Manage Supply & Demand	Land Use & Commute Incentives	Rethink Curb Space (Oakland)
High-Quality Places: Complete Neighborhoods		
Zoning	Land Use & Commute Incentives	Integrate Land-Use & Transportation
High-Quality Places: Urban Design		
Accessibility	Clean Public Transit	Abundant, Affordable, Accessible Public Transit
Thriving Environment: Clean Air		
Green Infrastructure	Land Use & Commute Incentives	Infrastructure that Supports Walking & Biking
Thriving Environment: Clean Water		
Infrastructure Improvements	Alternative Commute Modes	Establish Car-Free Areas
Thriving Environment: Resilient and Healthy Communities		
Infrastructure Improvements	Land Use & Commute Incentives	Create Walkable/Bikable Neighborhoods

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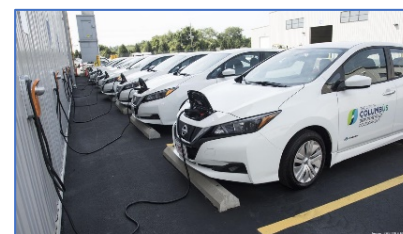
Objectives

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Draft Objectives

1. *Lead by example in reducing municipal transportation emissions and prioritizing resilient transportation infrastructure*
2. *Reduce vehicle miles traveled (VMT) and prioritize investments that advance equity*
3. *Resilient land use planning & development that prioritizes biking and walking*
4. *Transition rapidly and equitably to electric vehicles, trucks, and transit*



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Objectives vs. Strategies

- #1 *Lead by example in reducing municipal transportation emissions and prioritizing resilient transportation infrastructure*

Example Strategy: Evaluate the transportation investments needed to create emergency egress from areas at risk of flooding
- #2 *Reduce vehicle miles traveled (VMT) and prioritize investments that advance equity*

Example Strategy: Support infrastructure projects with transportation options to move individuals from their homes to their jobs, focused on low-income areas and low-car ownership areas
- #3 *Resilient land use planning & development that prioritizes biking and walking*

Example Strategy: Consider permanent or temporary street closures and expanding and improving bike-walk streets
- #4 *Transition rapidly and equitably to electric vehicles, trucks, and transit*

Example Strategy: Transition public and private vehicles to modes that do not emit greenhouse gas

Draft Objectives - Activity

1. Divide into 4 breakout rooms
2. Facilitators will switch between rooms to guide discussions on 1 objective each:
 - Dawn - Objective #1
 - Jeff - Objective #2
 - Kendra - Objective #3
 - Wendy - Objective #4
3. Take 15 minutes per round to:
 - Provide feedback on draft objectives
 - Is the objective statement overarching yet explanatory enough?
 - What is missing?
 - How could it be said better?
 - *If time allows, capture potential strategies to achieve objectives*

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Go into breakout rooms

Objective #1 (Dawn):

Lead by example in reducing municipal transportation emissions and prioritizing resilient transportation infrastructure



Examples from other sources:

1. Ensure that all residents have access to clean and efficient public transportation and infrastructure that supports walking and riding bikes. (Providence)
2. Increase the resiliency of infrastructure and community assets. (Richmond300)
3. Reduce emissions from the city fleet. (DC)

Questions to Consider:

- Have we included considerations for all key sectors (e.g., commercial, residential, and industry)?
- Have we included considerations that will empower all Richmonders to help us meet our goals?
- How and where are the community priorities represented?
- How are we integrating resilience?
- Have we considered different implementation perspectives such as policy advocacy, utility inputs, vehicle manufacturers, transit providers, etc.?

Objective #2 (Jeff):

Reduce vehicle miles traveled (VMT) and prioritize investments that advance equity



Examples from other sources:

1. Design smart initiatives to transform how we develop our communities and how people get around. (San Antonio)
1. Integrate land use and transportation for healthy, compact development. (St. Louis)
2. Land use and commute incentives. (GreenLink)

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Objective #3 (Kendra)

Resilient land use planning & development that prioritizes biking and walking



Examples from other sources:

1. Create vibrant neighborhoods where 80% of residents can easily walk or bike to meet all basic daily non-work needs and have safe pedestrian or bicycle access to transit. Reduce daily per capita vehicle miles traveled by 30% from 2008 levels. (Portland)
2. Ensure that all residents have access to clean and efficient public transportation and infrastructure that supports walking and riding bikes. (Providence)
3. Shift trips away from private vehicles towards transit, walking, and biking. (Boston)

Questions to Consider:

- Have we included considerations for all key sectors (e.g., commercial, residential, and industry)?
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- How are we integrating resilience?
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Objective #4 (Wendy):

Transition rapidly and equitably to electric vehicles, trucks, and transit



Examples from other sources:

1. Invest in electric vehicles and charging stations. (Providence)
2. Electrify all modes of transport to the extent practicable. (Boston)
3. Create a zero-emission vehicle (ZEV) action plan. (Oakland)
4. Promote cleaner vehicles. (San Antonio)

Questions to Consider:

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- How are we integrating resilience?
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Exit breakout rooms

Wrap-up & Next Steps

- Homework: Continue to edit *'Draft Objectives'* Google slides until COB Monday, February 8
- Next Meeting: *'Drafting Strategies'*, Thursday, February 18
- NOW:
 - Fill out feedback survey
 - Share updates, upcoming events, and resources in the chat

