

RVAGreen 2050 Waste Working Group
2/4/2021

Drafting Objectives

City of Richmond
RVAgreen
2050

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

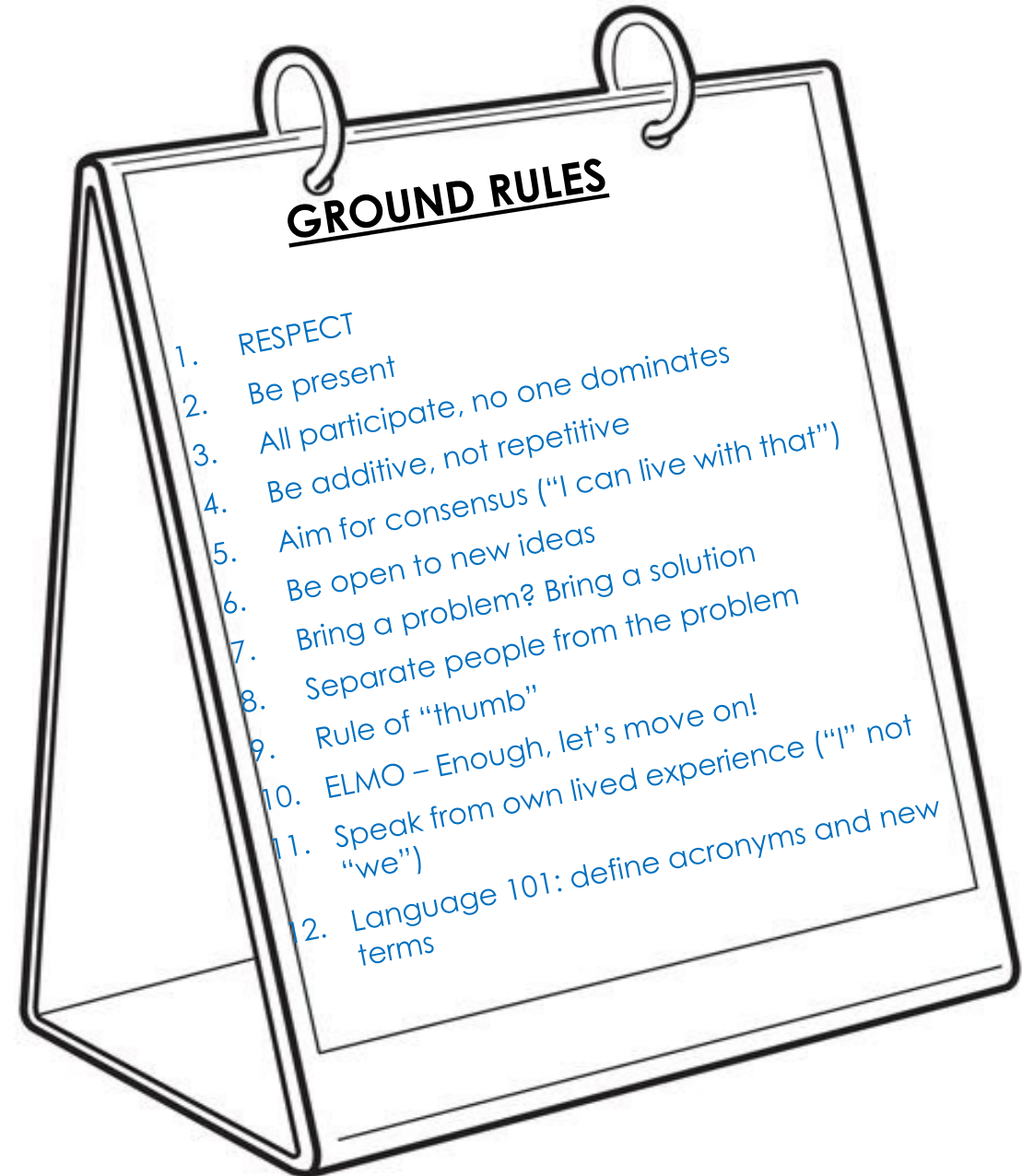
TODAY'S OBJECTIVES:

- *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 actions that will lead us toward our objectives?
Implementation Plans	How are we going to implement, measure progress, and ensure accountability in this plan?

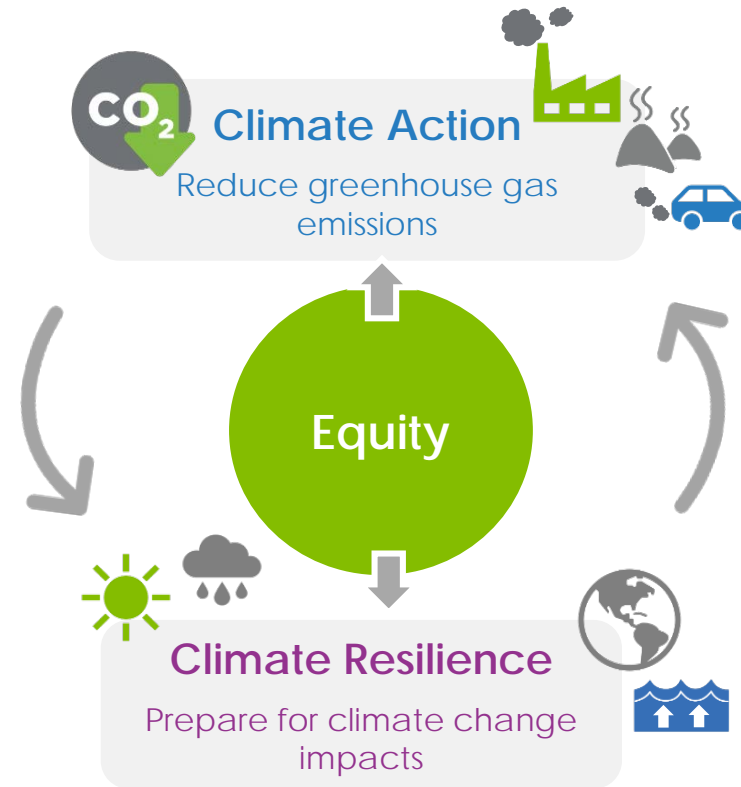
Goals

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.



RVAgreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

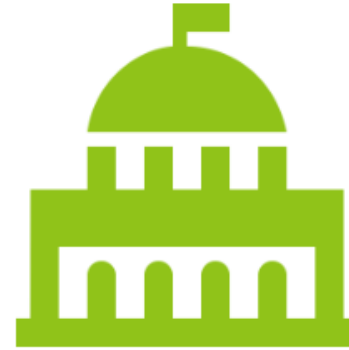
Community Priorities



Racial Equity &
Environmental Justice



Engagement &
Communication



Government
Accountability



Community
Wealth



Housing &
Buildings



Neighborhoods



Health & Well-
Being

RVAGreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

Where we are today...

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
- Transportation
- Waste
- Environment
- Community

Objectives

- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?

Strategies

- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?

Implementation

- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?

Draft Pathways

Working Groups	Description
Buildings & Energy	Accelerate the equitable transition to healthy, resilient, climate neutral buildings and energy sources
Transportation	Accelerate the transition to clean, and equitable mobility systems
Waste	Eliminate our dependency on landfill disposal and foster sustainable consumption habits
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

RVAgreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

Draft Pathway - Waste

“Eliminate our dependency on landfill disposal and foster sustainable consumption habits”

Discussion questions:

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

RVAGreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

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
- Transportation
- Waste
- Environment
- Community



Objectives

- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?

Strategies

- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?

Implementation

- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?
- ?

Draft Objectives - *Inputs*

RVAgreen 2050...

is at the nexus of...

with inputs/tools for each element...



Equity

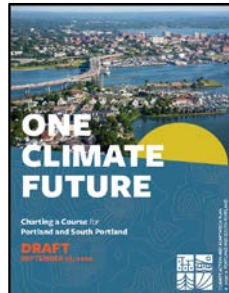
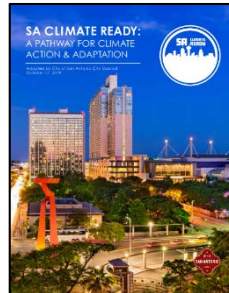
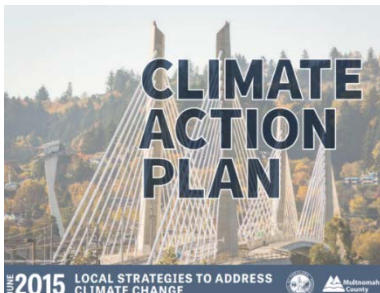
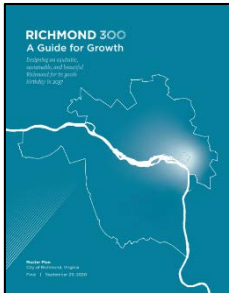
Climate Action

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	Greenlink Policies	Peer City CAAP Objectives
Diverse Economies: Tourism		
Zero waste in city operations	Optimize trash and recycling infrastructure	Biogas capture
Thriving Environment: Clean Air		
Residential composting & recycling	Enhance curbside recycling & composting	Composting & recycling programs
Construction waste	Construction & demolition waste recycling	Construction waste diversion
"Pay as you Throw" program	Unit-based pricing for waste collection	Waste minimization
Zero waste in city operations	Municipal sustainable purchasing policy	Green purchasing
Permitting solid waste	Recycling & site plan approval	Solid waste infrastructure
Sustainability legislation	Reduce single-use plastics	Zero waste legislation
Adopt-A-Street program	Circular economy	Zero waste programs
Green business program	Circular economy	Circular economy
Thriving Environment: Clean Water		
Solid waste infrastructure	Optimize trash & recycling infrastructure	Emergency Preparedness

RVAgreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

Draft Objectives

- 1. Lead by example in reducing municipal waste emissions.*
- 2. Reduce upstream emissions.*
- 3. Reduce organic waste.*
- 4. Reduce solid waste.*

RVAGreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

Objectives vs. Strategies



#1 *Lead by example in reducing municipal waste emissions.*

Example Strategy: Implement a wastewater biogas program that captures 100% of treatment emissions.

#2 *Reduce upstream emissions.*

Example Strategy: Support local circular economy programs and initiatives.

#3 *Reduce organic waste.*

Example Strategy: Prevent food waste through the implementation of a residential food composting program.

#4 *Reduce solid waste.*

Example Strategy: Promote alternatives to building demolition and implement construction & demolition recycling.

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
 - Wendy- Objective #2
 - Jason- Objective #3
 - Priscilla- Objective #4
3. Take 15 minutes per round to:
 - Provide feedback on draft objectives (reference-Drafting Objectives Process Guide)
 - 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*
4. *5 Minute Break and then we will go into the breakout session*

RVAgreen 2050 Structure

Goals

Vision

Community
Priorities

Pathways

Objectives

Strategies

Implementation
Plans

Go into breakout rooms

Objective #1 (Dawn):

'Lead by example in reducing municipal waste emissions.'

Examples from other sources:

1. Implement recycling and organics collection in all municipal buildings (Greenlink)
2. Develop a municipal sustainable purchasing policy (Greenlink)
3. Require recycling in all parks and recreation facilities and events (Greenlink)
4. Biogas capture and use (Greenlink)

Questions to Consider:

- Can we live with this (consensus)? What do we like? What's missing?
- Does the objective cover all key sectors (e.g., commercial, residential, and industry)? Does it need to?
- Does the objective allow for different types of strategies (e.g. policy advocacy, construction standards, utility & infrastructure improvements)?
- Are resiliency and equity incorporated into this objective?



Objective #2 (Wendy): *'Reduce upstream emissions.'*



Examples from other sources:

1. Reduce consumption-related emissions by encouraging sustainable consumption and supporting Portland businesses in minimizing the carbon intensity of their supply chains (Portland, OR)
2. Waste reduction strategies also play a significant role in reducing "upstream" emissions from processes that fall outside our city boundaries (Portland, ME)
3. Support the reuse, repair, recovery, and refurbishment economy (Oakland, CA)
4. Optimize industrial waste through by-product synergy (Greenlink)

Questions to Consider:

- Can we live with this (consensus)? What do we like? What's missing?
- Does the objective cover all key sectors (e.g., commercial, residential, and industry)? Does it need to?
- Does the objective allow for different types of strategies (e.g. policy advocacy, construction standards, utility & infrastructure improvements)?
- Are resiliency and equity incorporated into this objective?

Objective #3 (Jason): *'Reduce organic waste.'*



Examples from other sources:

1. Create a recognition program for local businesses that are composting and engaging in responsible waste management (Providence, RI)
2. Explore a city-wide community composting program and other food waste reduction strategies (Providence, RI)
3. Reduce food scraps sent to landfills by 90% (Portland, OR)
4. Reduce the consumption of carbon-intensive foods and support a community-based food system (Portland, OR)
5. Eliminate disposal of compostable organic materials to landfills (Oakland, CA)

Questions to Consider:

- Can we live with this (consensus)? What do we like? What's missing?
- Does the objective cover all key sectors (e.g., commercial, residential, and industry)? Does it need to?
- Does the objective allow for different types of strategies (e.g. policy advocacy, construction standards, utility & infrastructure improvements)?
- Are resiliency and equity incorporated into this objective?

Objective #4 (Priscilla): *'Reduce solid waste.'*



Examples from other sources:

1. Encourage material reuse (San Antonio, TX)
2. Reduce per capita solid waste by 33% (Portland, OR)
3. Eliminate single-use plastics and prioritize reuse in food preparation, distribution, and sale (Oakland, CA)
4. Reduce consumption [and] minimize waste (San Antonio, TX)
5. Reduce waste and consumption (St. Louis, MO)
6. Mandate commercial and multi-family recycling (Greenlink)
7. Incorporate recycling infrastructure requirements into site plan approval (Greenlink)
8. Implement Unit-Based Pricing for waste collection (Greenlink)
9. Foster a circular and sharing economy (Greenlink)

Questions to Consider:

- Can we live with this (consensus)? What do we like? What's missing?
- Does the objective cover all key sectors (e.g., commercial, residential, and industry)? Does it need to?
- Does the objective allow for different types of strategies (e.g. policy advocacy, construction standards, utility & infrastructure improvements)?
- Are resiliency and equity incorporated into this objective?

Exit breakout rooms

Wrap-up and Next Steps

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

