

# Pathways, Objectives, and Strategies

BUILDINGS AND ENERGY	
<b>Objective 1:</b> Achieve climate neutrality and increase resilience in government buildings, infrastructure, and operations.	
BE-1.1	<b>Municipal Energy Efficiency Program:</b> Develop a program to achieve the energy efficiency goals of RVAgreen 2050 and Richmond 300.
BE-1.2	<b>Municipal Clean Energy and Net-Zero Construction:</b> Incorporate measures toward the goal of converting all city buildings to clean energy by 2050.
BE-1.3	<b>Municipal Climate Impact Mapping:</b> Establish a protocol for tracking greenhouse gas emissions and planning for climate impacts.
BE-1.4	<b>Municipal Resilient Infrastructure Assessment:</b> Conduct a climate vulnerability and risk assessment of all city property (including buildings and parcels). Identify and prioritize properties for specific resilience projects.
<b>Objective 2:</b> Maximize energy efficiency, performance and resilience in all existing buildings.	
BE-2.1	<b>Residential Energy Burden:</b> Implement measures to reduce the energy burden of Richmond's most vulnerable communities and improve residential resilience to climate change.
BE-2.2	<b>Commercial Energy Efficiency Programs:</b> Develop policies, incentives, and financing mechanisms to improve commercial energy efficiency. Offer assistance and technical expertise to those that are financially challenged and facilitate workforce development.
<b>Objective 3:</b> Ensure all Richmonders have equitable access to affordable and renewable clean energy.	
BE-3.1	<b>Solar Energy Education and Outreach:</b> Provide equitable education and outreach to make homes and small businesses healthy, safe, and affordable through solar installations, focusing on frontline communities reducing disproportionately high energy burden in these neighborhoods.
BE-3.2	<b>Solar Installation Incentives and Access:</b> Encourage solar installations through the removal of zoning restrictions, incentivizing opportunities, and increasing funding for microgrids.
BE-3.3	<b>Clean Energy Workforce Development:</b> Establish training programs, apprenticeships, and a conservation corps/ job placement program in low-income and diverse neighborhoods to build capacity for jobs related to solar installation and maintenance, weatherization upgrades, and energy efficiency auditing (e.g. prison to solar training).
<b>Objective 4:</b> Achieve climate neutrality and maximize resilience in all new buildings.	
BE-4.1	<b>Net-Zero Energy Design:</b> Incentivize builders to incorporate measures to advance net-zero energy design and green building in all new buildings.
BE-4.2	<b>Resilient Design Guidelines:</b> Develop Resilient Design Guidelines and incentivize builders to incorporate design measures to reflect a changing climate, increased precipitation and flooding in concert with a public education campaign to convey the benefits of adaptive and resilient buildings.
BE-4.3	<b>Construction and Energy Code Enforcement:</b> Prioritize the most recent energy requirements in all new construction, site plan approvals, and retrofits of existing buildings.

Table ES-1 Pathways, Objectives, and Strategies

COMMUNITY	
<b>Objective 1:</b> Ensure that historically disinvested communities that are most affected by local climate impacts are centered and involved in the processes of developing, implementing, and evaluating solutions as a result of equitable communication and engagement strategies.	
C-1.1	<b>Climate-Ready Affordable Housing:</b> Develop and implement climate mitigation and resilience requirements for the Affordable Housing Trust Fund.
C-1.2	<b>Sustainable Employment Practices:</b> Develop incentives for employers to facilitate greenhouse gas-reducing activities among employees.
C-1.3	<b>Climate Action and Resilience Information Navigator:</b> Help small businesses, homeowners, and renters navigate programs and incentives for reducing emissions and increasing climate resilience.
C-1.4	<b>Community Benefits Scorecard and Agreements:</b> Develop tools with frontline communities to evaluate city development projects and ensure they address community priorities for climate action and resilience, and encourage use by private developers as well.
C-1.5	<b>Community Partnerships Program:</b> Develop a climate action and resilience neighborhood partnerships program.
<b>Objective 2:</b> Increase the Richmond community's social resilience to climate change.	
C-2.1	<b>Climate-Ready Community Fund:</b> Establish a Climate-Ready Community grant program to provide funding to neighborhood-focused organizations to work with residents on climate action and resilience projects.
C-2.2	<b>Community Compensation:</b> Establish a policy and structure for paying community members for their time.
C-2.3	<b>Organizational Collaboration:</b> Partner with community leaders, organizations, and businesses to build community capacity for climate resilience.
C-2.4	<b>Resilience Hubs:</b> Create neighborhood resilience hubs in frontline communities.
ENVIRONMENT	
<b>Objective 1:</b> Make sure all residents have the opportunity to engage with healthy natural resources, spaces, and biodiversity.	
ENV-1.1	<b>Green Space Management:</b> Create a program and public-private partnerships to maintain and expand high-quality public green space.
ENV-1.2	<b>Parks Master Plan:</b> Support the development, funding, and implementation of a Parks Master Plan.
ENV-1.3	<b>Urban and Community Agriculture:</b> Develop, fund, and implement an urban and community agriculture program.
<b>Objective 2:</b> Reduce risks and impacts to the community and natural environment from extreme heat and drought.	
ENV-2.1	<b>Urban Heat Island Reduction:</b> Develop, fund, and implement an urban heat island reduction plan and program.
ENV-2.2	<b>Urban Forest and Green Space Planning:</b> Use urban forest and green space planning to increase climate resilience.
<b>Objective 3:</b> Reduce risks and impacts to the community and natural environment from extreme precipitation and flooding.	
ENV-3.1	<b>Neighborhood Prioritization:</b> Identify and prioritize extreme precipitation and flooding projects using community engagement and data.
ENV-3.2	<b>Extreme Precipitation Resilience Planning and Operations:</b> Increase planning and capacity for green infrastructure management and flood resilience measures.
ENV-3.3	<b>Land Management Practices:</b> Enhance land management practices to increase capacity for flood resilience measures.
<b>Objective 4:</b> Engage the natural environment to improve air quality and reduce greenhouse gas emissions.	
ENV-4.1	<b>Carbon Sequestration:</b> Implement equitable carbon farming, sequestration, and removal.

Table ES-1 Pathways, Objectives, and Strategies Continued...

TRANSPORTATION AND MOBILITY	
<b>Objective 1:</b> Achieve climate neutrality in municipal fleet operations, encourage alternative travel options, and increase resilience and stewardship of transportation infrastructure.	
TM-1.1	<b>Transportation Demand Management:</b> Support commute alternatives for city employees through a transportation demand management framework.
TM-1.2	<b>Municipal Connectivity and Complete Streets:</b> Advance the City's Better Streets policy and prioritize walking and mobility-friendly connections between neighborhoods.
TM-1.3	<b>Municipal Fleet Electrification:</b> Electrify Richmond's fleet of vehicles and equipment.
TM-1.4	<b>Climate Resilient Infrastructure:</b> Develop a climate resiliency plan for transportation infrastructure that prioritizes projects using Envision and the Climate Equity Index.
<b>Objective 2:</b> Create vibrant neighborhoods where all residents can easily ride transit, walk, or bike to meet daily needs in alignment with Richmond Connects.	
TM-2.1	<b>Resilient Bus Transit System:</b> Improve and expand bus routes, stops, and bike share options, with priority for low car ownership and underserved areas.
TM-2.2	<b>Integrated Connectivity:</b> Develop shared-use, green biking and walking paths that connect neighborhoods to Richmond's employment centers and amenities.
TM-2.3	<b>Residential Mobility and Complete Streets:</b> Promote safely walkable and bikeable neighborhoods that connect Richmonders to jobs, necessities, and amenities throughout the City in alignment with the Richmond Connects Plan.
<b>Objective 3:</b> Transition the community rapidly and equitably to clean-fuel vehicles and transit.	
TM-3.1	<b>Private and Commercial Vehicle Electrification:</b> Facilitate the transition to electric vehicles across the City.
TM-3.2	<b>Charging infrastructure:</b> Support the equitable and geographically-distributed expansion of publicly-available charging stations.
WASTE REDUCTION AND RECOVERY	
<b>Objective 1:</b> Lead by example and model zero waste strategies in all municipal operations.	
WR-1.1	<b>Zero Waste Practices:</b> Demonstrate high-impact zero waste practices through a commitment to meeting the standards set forth by Governor Northam's Executive Order 77 and Governor Youngkin's Executive Order 17.
WR-1.2	<b>Waste Stream Reporting:</b> Track and make available the impact of the City's waste reduction programs in order to provide a model for other institutions, business, organizations, and Richmonders.
<b>Objective 2:</b> Encourage community waste reduction by equitably prioritizing a circular economy.	
WR-2.1	<b>Incentivize and Reward Institutional Waste Reduction:</b> Promote institutional and corporate best practices for zero waste initiatives.
WR-2.2	<b>Consumer Education:</b> Better inform Richmonders about the impacts of waste, litter, and consumer choices.
WR-2.3	<b>Recycle Specialty Materials:</b> Address materials in the waste stream that cannot be managed through curbside recycling or composting initiatives.
<b>Objective 3:</b> Develop and implement a comprehensive and equitable citywide composting plan.	
WR-3.1	<b>Municipal Composting Initiatives:</b> Provide education about and options for composting at city-owned properties and events, including opportunities for the distribution of matured organic matter.
WR-3.2	<b>Citywide Composting Program:</b> Develop an equitable organic waste composting program that includes regular curbside pickup and accessible dropoff locations.
<b>Objective 4:</b> Ensure that policies and standards for waste generation and disposal reflect the community's priorities for an equitable, clean, and sustainable Richmond.	
WR-4.1	<b>Public Advocacy for Waste Reduction:</b> Engage Richmonders to develop and mobilize support for legislation, policies and programs aimed at reducing waste and encouraging a circular economy.
WR-4.2	<b>Construction and Disposal Standards:</b> Require new and updated standards for site development and waste management
WR-4.3	<b>Transparency and Environmental Justice:</b> Protect communities from industrial waste by requiring regular waste audits and impact assessments for all new and existing facilities.

Table ES-1 Pathways, Objectives, and Strategies Continued...