Berkeley UNIVERSITY OF CALIFORNIA

CALIFORNIA STRATEGIC GROWTH COUNCIL

Center for GLOBAL HEALTHY CITIES

RICHMOND RISING

Transformative Climate Communities
Evaluation & Indicator Tracking Plan
2024 - 2029

DATE

07/31/2024

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Evaluation

Project Level Indicators & Reporting

LIST OF ABBREVIATIONS

GHG..... Greenhouse Gases
RR ..... Richmond Rising
TCC ..... Transformative Climate Communities

This report was drafted by Prof. Jason Corburn and Alice Bruno with support from the research team at the Center for Global Healthy Cities, University of California, Berkeley. For additional information and details on data sources, methods and analytic techniques, contact Prof. Corburn, jcorburn@berkeley.edu. For details on the Center for Global Healthy Cities, visit: healthycities.berkeley.edu.

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SECTION 01

BACKGROUND

BACKGROUND & CONTEXT

Transformative Climate Communities

Richmond Rising: Healthy, Connected, and Climate Strong (RR) is supported by the California Strategic Growth Council's Transformative Climate Communities (TCC) Program[1]. TCC was established in 2016 by Assembly Bill (AB) 2722[2] to fund the development and implementation of neighborhood-level transformative climate community plans. Authored by Assembly-Woman Autumn Burke and administered by the Strategic Growth Council (SGC), the program aims to support communities most impacted by pollution to take the lead in choosing goals, strategies, and projects to reduce greenhouse gas emissions (GHG) and generate economic, environmental and health benefits.

Project Area: Where Does Richmond Rising Take Place and Why?

The City of Richmond has a history of industrial land uses and two major freeways bisect the city. This legacy has resulted in environmental burdens and limited green space. The city also has a long history of community organizing and leadership on environmental justice. Both the legacy of industry and community organizing intersect in Central Richmond, which is the Richmond Rising Project Area. The Project Area, totaling 2.3 square miles, consists of three residential neighborhoods: Iron Triangle, Santa Fe, and Coronado. These neighborhoods are bounded by heavy transportation and industrial land uses: the Burlington Northern Santa Fe Railroad to the north and west as well as the Chevron Richmond Refinery to the west, Port of Richmond to the south, and Bay Area Rapid Transit (BART), Amtrak, and Southern Pacific Railroad to the east. As we document in more detail later in this report, a majority of the residents in the Project Area are people of color, low-income, and non-English speaking households. These neighborhoods remain heavily burdened by pollution and other vulnerabilities, as defined by the California Communities Environmental Health Screening Tool, which identifies communities that are disproportionately burdened by multiple sources of pollution.

The Project Area also faces health and economic challenges that are likely to be exacerbated by a changing climate. The area is subject to flooding, has limited green space and tree cover, and residents have the greatest burdens of asthma, cardiovascular diseases and other chronic illnesses compared to their Richmond neighbors. Further, access to affordable, healthy food is generally not available within walking distance, and transportation costs are burdensome.

The area also has many assets that Richmond Rising will build upon. Residents are already invested in greening their neighborhood. Community groups have organized for safer streets and more community gardens. Youth have mobilized for safety, environmental justice and green jobs. Community-city partnerships have created new employment, housing rehabilitation and public safety improvement opportunities.

1 For more information about TCC, please visit https://sgc.ca.gov/grant-programs/tcc/

2 https://caleja.org/wp-content/uploads/2016/06/AB-2722-Transformative-Climate-Communities-FINAL-JUNE.pdf

Richmond Rising: Healthy, Connected, and Climate Strong

Richmond Rising: Healthy, Connected, and Climate Strong is the coalition of local organizations that will implement projects and initiatives envisioned by the community in the Project Area. The coalition is the product of a years-long collaborative effort to empower Richmond's most challenged communities as they face climate change.

Richmond Rising aims to deliver a set of projects and programs that result in a trauma-resilient community that is more socially connected, protected from adverse heat, energy and weather events, has a more robust set of ecosystem services that can absorb climate change impacts, protecting infrastructure and promoting human health, well-being and economic opportunities for young people and all Richmond's residents.

Connecting

All residents, community-based organizations and systems.

Cooling

Protects residents and infrastructure from climate events by increasing the efficiency of energy use.

Absorbing

Improves green infrastructure that offers eco-system services to conserve water, reduce flooding, and more green infrastructure for all.

Protecting & Promoting

Vulnerable people, housing, jobs and the social and economic vitality of the community.

Richmond Rising is the product of years of grassroots organizing and community engagement within the Project Area by community-based organization partners, many of which are Richmond Rising partners, and from the creation of the Richmond Resilience Roadmap – funded by a Round 1 TCC planning grant that leveraged community engagement to identify projects that address community-derived needs and advance TCC objectives. This evaluation & indicator tracking plan builds upon the work completed for the Richmond Resilience Roadmap, the City's Climate Action Plan, the Climate Smart Cities Initiative & input from stakeholders.

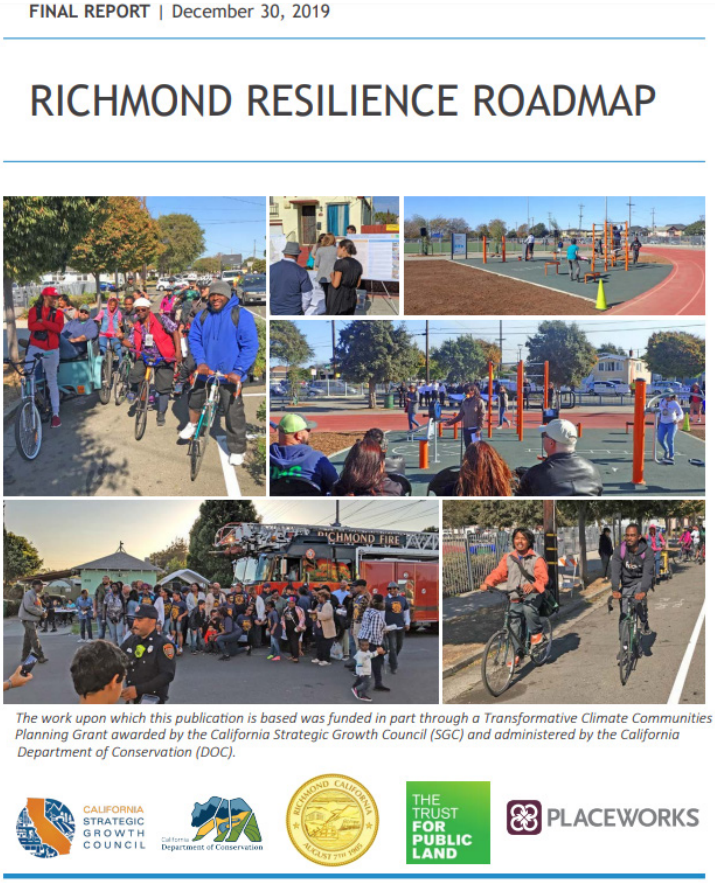
The Richmond Resilience Roadmap

The Richmond Resilience Roadmap (2019) helped identify the Project Area, key partners, nine core projects, and plans for community engagement, displacement avoidance and workforce development. The Roadmap also entailed drafting indicators to track progress in each of these areas.

Developed in collaboration with the Trust for Public Land and PlaceWorks, the Roadmap connects and expands existing efforts, such as the City's Climate Action Plan, the Climate-Smart Cities ™ Initiative, and the Richmond Wellness Trail, to build a roadmap of projects supporting community resilience.

This roadmap informed an initial project list for Richmond Rising, which was updated and finalized during the Round 4 application process. Together, the projects are expected to reduce GHG emissions, improve public health, reduce social inequities, close the "climate gap," enhance environmental benefits and generate economic opportunities. in Iron Triangle, Santa Fe, and Coronado neighborhoods over the next 5 years (2024-29). Projects will include the construction of a protected bike and a pedestrian trail connecting the Richmond BART Station to the Richmond Ferry terminal, free installation of solar panels and greywater systems for low-income homeowners, tree plantings, and an anti-displacement strategy.

To develop the project list for the Richmond Resilience Roadmap, the project team collected data on over 40 projects, including site plans, conceptual designs, and citywide planning documents. Project selection was based on the four core objectives of the Climate-Smart Cities ™ Initiative: enhancing connectivity; promoting environmental cooling measures; increasing the absorption of environmental impacts, and; ensuring community protection. Each project was assessed based on its contributions to transit access, health and well-being, land conservation, urban heat island reduction, decarbonized energy, urban greening, water efficiency, materials management, flood protection, and equitable housing and neighborhood development.

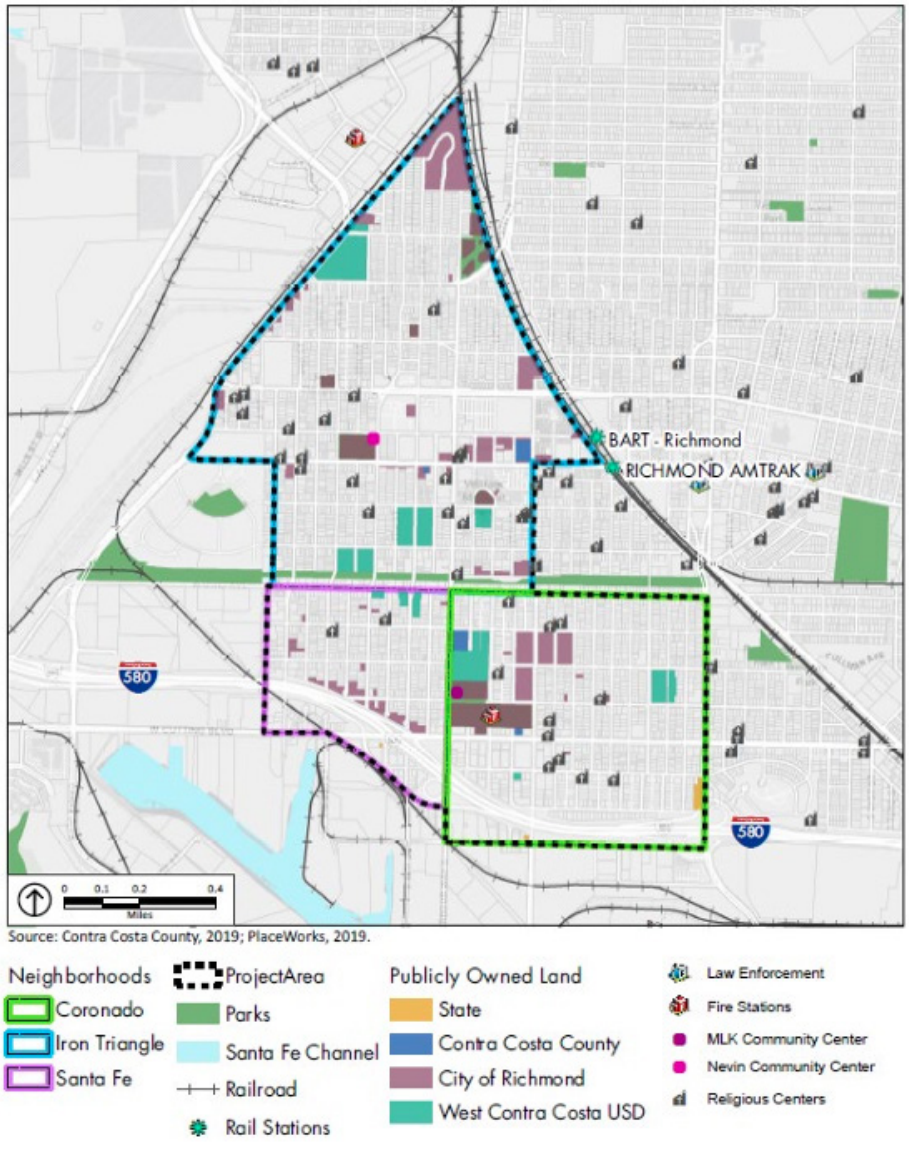


The Richmond Climate Action Plan & Health in All Policies Strategy

The Richmond's Climate Action Plan (CAP) serves as a roadmap for the city to reduce greenhouse gas emissions and prepare for the impacts of a changing climate. The CAP is also aligned with the City's General Plan, both of which emphasize climate justice and health equity. These documents are integrated with the City's Health in All Policies (HiAP) Strategy.

The HiAP and CAP are committed to fostering a healthy and resilient community by investing in community-based initiatives and other policies that enhance infrastructure, economic opportunities and public spaces. Climate and health benefits overlap with goals such as green and walkable neighborhoods, quality jobs, and affordable, safe & energy efficient homes.

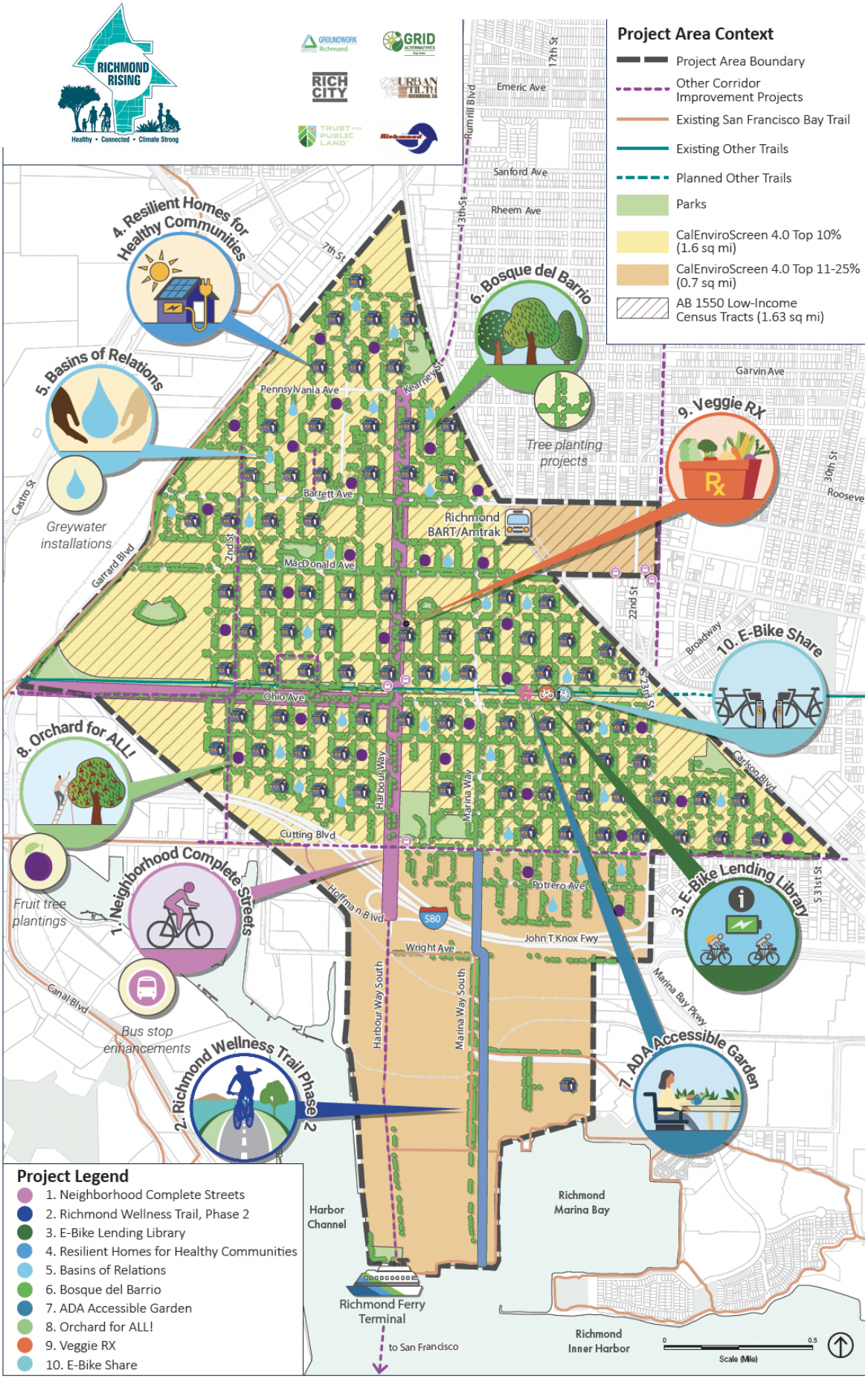
The CAP, General Plan and related documents also emphasize that a resilient community is one with a prosperous local economy. This can include supporting businesses that promote energy efficient buildings, clean transportation, food security, greening and safe land uses.



Resilience Roadmap Project Area.

PROJECT AREA MAP

A description of the projects appears on page 13.



INDICATORS & TRACKING

This Evaluation & Indicator Tracking Plan outlines the data and methods to evaluate the overall Richmond Rising (RR) program and each of the 10 projects and 3 transformative initiatives. The process evaluation will explore procedural equity, or how inclusive and accessible are community engagement processes, including the ability to participate in all stages of decision-making, as well as measure outputs, outcomes and impacts.
The outputs, outcomes and impacts evaluation will focus on distributive equity, or whether and how the benefits of the program were distributed to the populations and neighborhoods in Richmond already recognized as experiencing the greatest burdens and with the highest needs for climate change resilience.

Indicator Categories

The indicator categories listed below describe the different types of measures that will be included in the evaluation process.

Activities:
The work of TCC grantee and partners

Outputs:
The products and services that Richmond Rising projects produce and deliver

Short-term Outcomes:
Changes in stakeholders' knowledge, attitude, and skills

Intermediate Outcomes:
Changes in stakeholders' behaviors, practices, or decisions

Impacts:
Changes in environmental or human conditions that align with the objectives of TCC (i.e., GHG reductions; public health and environmental benefits; and economic opportunities and shared prosperity).

Research Questions

The Richmond Rising evaluation will be guided by the following research questions:

- How do the RR projects enhance community-based and local government stakeholders participatory decision-making?
- Have the resources, power and living conditions of groups and communities that traditionally have less political power and suffer from the greatest economic, environmental and social injustices improved?
- Have projects contributed to greater equity for Richmond's population & communities?
- Have the RR projects delivered climate resilience, public health, environmental, transportation, workforce and economic benefits to Richmond's residents?

EVALUATION METHODS

The evaluation, indicators and data collection tools described in this report also emerged from a participatory process. The UC Berkeley (UCB), Center for Global Healthy Cities, team worked with the City of Richmond to organize a series of workshops to ensure all project partners could shape indicators and the methods used to gather data. The aim was to make the processes of data collection participatory while also meeting the objectives of the RR initiative.

During one workshop, all project leaders and others from each organization worked in small groups to review indicators for their project. The indicators came from their work plans as well as those from the Resilience Roadmap, CAP and HiAP strategies. The break-out groups also reviewed the indicators and potential tools for gathering these data.

At a follow-up public meeting, the UCB team used stakeholder input and feedback to present a set of refined, more detailed indicators for each project. These were again shared and discussed in workshop format. Ideas from a 'dreaming session' identifying five-year end-of-project community influences were also synthsized into measurable outcomes by the UCB team.

A strategy for data collection and communication was subsequently developed by the UCB team and is described in more detail within this report.

All RR project leaders emphasized the importance of using mixed methods to capture the influences of thier work on both participants and the larger community. This included the required descriptive 'case studies', or narratives about participants and/or projects that are a component of the evaluation reporting (also described below), as well as on-going strategies for capturing the 'voices of the community.' For example, each organization committed to using images, video and map-making, particularly led by youth, to ensure a holistic accounting of project impacts and influences are captured.

The 5-year measures of success for RR were also linked to existing public data, such as the Richmond Community Survey and other data already available on the City's Transparent Richmond web site. The goal was to ensure the project could track 5-year progress on environmental, human health & economic development indicators from a 2023/24 baseline.

Finally, an indicator tracking communication plan was discussed at the workshops, particularly ways to utilize the existing web portal, Transparent Richmond, as a way to allow the public access to key project and program indicators.

The proposed outputs and estimated outcomes and impacts were generated and are shared below.

SELECTED OUTPUTS

Over the next 5 years, the investments by RR project partners are expected to yield a variety of tangible deliverables and services for residents. Below, we highlight some of the anticipated key outputs.

875 KW of solar photovoltaic systems

120 low-income households receiving water efficiency installations

250 low-income households receiving solar installations

200+ vegetable box prescriptions distributed per week

1000 trees planted

2000 trees given away to local residents

2 miles of protected cycle tracks and shared pedestrian routes

120 donated e-bikes available to the community

6 new electric bike share access points

ESTIMATED OUTCOMES & IMPACTS

The RR projects and overall efforts will help catalyze changes in practices, behaviors, and skills in the short and medium run, ultimately contributing to long-lasting impact. Below, we highlight some of the projected positive outcomes and impacts from the five-year investment.

10,000 GHG equivalents[1] reduced from solar installs, energy efficiency measures, and water savings

50% increase in urban forest tree canopy

75% increase in good or excellent self reported health

85% or more of residents know who to contact and where to go in case of a climate emergency

up to **100** direct and indirect jobs created

$5M saved from energy efficiencies, transportation costs, and healthcare expenses

30% increase in residents rating their quality of life good or excellent

[1] For more information on how to calculate Green House Gas Equivalencies, please visit https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

PROJECTS

Richmond Rising includes ten projects, including initiatives in active transportation (closing gaps and expanding existing infrastructure), solar installation, water efficiency, urban greening, and health/well-being as they relate to food security and green space access.

Neighborhood Complete Streets

This project aims to improve street safety for all and facilitate connections between key destinations in the project area. As part of the active transportation strategy, it will connect transit corridors and include the development of new bike lanes, bus stop enhancements, sidewalk and crosswalk improvements.

Richmond Wellness Trail, Phase 2

This project aims to further enhance active transportation in the project area by providing a continuous route from BART/Amtrak station to the Ferry Terminal. It entails the development of protected cycle tracks and shaded pedestrian routes. Community inputs and local knowledge will inform the design of the routes to ensure community support of the project.

E-bike Lending Library

This project will support efforts to grow zero-carbon based transportation infrastructure by expanding Richmond's bike e-sharing options and investing in e-bike use, education, and ownership. It includes the community-informed design of a hub in Unity Park for residents to check out bikes, learn about maintenance, and participate in the new VTM "Volunteer, Training, Maintenance" road to ownership program through which they can receive a free e-bike.

Resilient Homes for Healthy Communities

This project aims to reduce energy insecurity through the provision of solar installations, energy efficiency measures, and appliance electrification for low-income families. In particular, approximately 250 single-family homes in the project area will receive installations of solar photovoltaic systems for a total of 875 kilowatts (KW) of energy, and at least 216 homes will receive energy efficiency upgrades to contribute to greater savings and well-being.

Basins of Relations

This project will contribute to improved urban water use efficiency by offering drought-tolerant landscaping, drip irrigation, greywater and rainwater catchment systems to at least 120 low-income households. In addition, it will provide training and workforce development opportunities by running a program for young adults interested in green-jobs and careers.

Bosque del Barrio

This project will enhance urban greening and green infrastructure through intensive reforesting of the project area which will contribute to local air quality improvements, CO2 capture & long-term shade for residents. This project will identify 15,000 tree planting sites & will plant 1,000 trees in the project area. In addition, community members will participate in tree care events, volunteering opportunities, and activities from the Adopt-a-Tree program.

Universally Accessible Garden

This project will improve well-being for local seniors and those with disabilities by creating an Americans with Universsally Accessible Garden where visitors can participate in edible and pollinator gardens and access healthy foods. Community design processes will focus on ensuring that those with visual, hearing and cognitive challenges can access the garden safely and benefit from all of its features.

Orchard for All!

This project aims to improve health and well-being in the project area by improving access to fresh fruits for families struggling with food insecurity through a community fruit tree orchard. This project will also expand an existing annual Fruit Tree giveaway & distribute 400 free trees per year. The project will create youth jobs through the Gleaners Program. Participants will receive training in tree care and harvesting and contribute to the distribution of fruit to families in need via farm stands and Veggie Rx boxes.

Veggie Rx

This project will improve health and well-being for residents in the project area through two “food as medicine” initiatives: “Veggie RX” and “Train the Trainer”. Veggie Rx will deliver free food boxes to patients at LifeLong Clinic & enroll them in a weekly Healthy Cooking and Eating (HEAT) Clinic to learn about nutrition and diets. The “Train the Trainer” initiative will train Community Health Workers in Climate-friendly diets and how RR projects are contributing to community health equity.

E-bike Share

This project will contribute to increasing active transportation and reducing vehicle use in the project area by improving Richmond’s growing zero-carbon–based transportation infrastructure. In particular, this project will construct 6 new bike share access points, deliver 70 new e-bikes, and offer residents in the project area incentives to use e-bikes, such as a free month of membership in the e-bike share program and ride credits.

TRANSFORMATIVE PLANS

The proposal also includes workforce development/skills training, anti-displacement, and community engagement strategies that support all projects and deliver benefits to the Richmond community.

Community Engagement Plan

RR will have ongoing and transparent community involvement. The City will launch the Richmond Rising Youth Fellows Program, where young people will engage with Project Area residents to understand their climate justice concerns, provide feedback to projects, and participate on the Collaborative Stakeholder Committee (CSC). The CSC will meet monthly and be open to all members of the public. The Youth Fellows & CSC will work to ensure all project information, successes and challenges are shared through various online outlets.

Workforce Development and Economic Opportunities Plan

The Richmond Workforce Development & Economic Opportunities Plan (WDEOP) will focus on job readiness, employment creation and green-blue collar jobs for those within the Project Area.

Displacement Avoidance Plan

This project will include the implementation of a renter access ordinance and an accessory dwelling unit (ADU) development guide. The project will also work to prevent business displacement in the Project Area by providing incentives, such as a facade improvement program and a Buy Local Campaign. The Displacement Avoidance Plan also includes the adoption of a Renter Access Ordinance and policies to facilitate Community Land Trust (CLT) acquisition of vacant land/structures in the Project Area.

Each project and Transformative Plan will aim to contribute to the overall goals described above as well as the following general climate, public health & economic benefits:

Environmental/Climate Change Resilience

- Reduced energy consumption & Green House Gas (GHG) emissions
- Increase renewable energy use, especially for low-income households
- Reduced water consumption and increased efficiency

Public Health

- Safer walking and bicycling routes, with fewer injuries
- Increased access to healthy, locally grown fruits and vegetables
- Increased urban greening/tree canopy that will help reduce heat events & filter air pollution
- Reduced stress from unsafe streets, parks & built environments

Economic Benefits

- Youth jobs, both short and long-term
- Increased number of community residents trained in green job careers
- Household savings due to reduced energy bills & weatherization
- Existing businesses remain & serve local resident needs

CALIFORNIA AIR RESOURCES BOARD (CARB) TOOLS

A key objective for RR is to reduce the City's greenhouse gas emissions (GHG). The evaluation will use inputs from select projects and tools developed by the California Air Resources Board (CARB) to estimate GHG equivalent (GHGe) reductions & other co-benefits. An overview of CARB tools used for Richmond Rising is below.

The Affordable Housing and Sustainable Communities (AHSC) Benefits Calculator Tool will estimate the benefits from Active Transportation and Solar PV projects. This tool will utilize inputs from the RR projects Neighborhood Complete Streets, Richmond Wellness Trail Phase 2, E-bike Lending Library, and E-Bike Share. The inputs from the Neighborhood Complete Streets and Richmond Wellness Trail Phase 2 projects includes dates of operation, length of the intervention, average daily traffic, and key destinations within a half mile radius. Inputs from the E-Bike Lending Library and E-Bike Share programs include dates of operation, average cost of a bikeshare trip, and number of trips per year. Inputs for these projects will estimate the GHG benefits and co-benefits to the entire City.

The AHSC Benefits Calculator Tool also calculates the project benefits of the Resilient Homes project using a tool called the PVWatts Calculator. This calculator uses inputs including project location, DC system size, module type, and array type to estimate annual solar PV electricity generation, which is then input into the AHSC Benefits Calculator to estimate GHG benefits and co-benefits.

The Urban Greening Benefits Calculator Tool calculates the GHG benefits and co-benefits from tree-planting programs and will be used to calculate the benefits from the Bosque del Barrio project. We will use a CARB provided model called i-Tree Streets, which will use the tree inventory/canopy for 2023 as the baseline. We will then enter new project-related data, including the climate zone, number and species of trees planted, as well as their location. The model will use these data to estimate the amount of carbon stored, building energy electricity saved & surface temperature reduced from from the newly planted trees and their shade canopy.

If available, we will also use the CARB/ CalFire Urban & Community Forestry Benefits Calculator. This model also uses the i-Tree model to further estimate fossil fuel based energy use reductions (kWh and therms), renewable energy generation (kWh), energy cost savings (dollars), water savings (gallons and acre feet per year), and select criteria and toxic air pollutant – including reactive organic gases (ROG), nitrogen oxide (NOx), and fine particulate matter less than 2.5 micrometers (PM2.5) - emissions removed from the atmosphere.

CARB Tool	CARB Tool Section	TCC Projects	Key Data Inputs
Affordable Housing and Sustainable Communitites (AHSC)	Active Transportation Inputs	Neighborhood Complete Streets Richmond Wellness Trail	• Name/ location • 1st year operational • Annual days of operation • One-way facility length (miles) • Average daily traffic (trips/day) • Key destinations within 0.25mi • Key destinations within 0.5mil
	Active Transportation Inputs	E-Bike Lending Library E-Bike Share	• Name/ location • 1st year operational • Final year operational • Average cost of bikeshare trip ($) • Trips in Year 1 (trips/year) • Trips in Year F (trips/year)
	Solar PV Inputs	Resilient Homes	<u>PVWatts Calculator Inputs:</u> • Zip code • DC system size (kW) • Module type • Array type
CNRA Urban Greening Benefits Calculator	Tree Planting - ITS (i-Tree Streets)	Bosque del Barrio	• Inventory of trees to be planted • Year of project start • Climate zone, location of tree • Species of trees • Tree DBH 40years after project start

SECTION 02

EVALUATION

INTEGRATED, MIXED METHODS

This section explains the components of project evalution: baseline data, process evaluation, indicator tracking, and final impact evaluation.

The baseline data, including intervention and control site selection is described below. Process evaluation will help us understand program progress, challenges and opportunities, and will come primarily from grantee reporting and monthly meetings of the Collaborative Stakeholder Committee (CSC).

Qualitative data is an essential component of the process and impact evaluations, and will include but not be limited to the annual case studies, community stakeholder interviews, field observations, and focus groups. In all cases, we will obtain informed consent, transcribe and anonymize all qualitative data to ensure confidentiality.

Focus groups & interviews will be used to understand the impacts & influences of the projects, with a specific focus on the community engagement, Workforce and Displacement Avoidance Plans (DAP). Stakeholders from each of these projects will be invited to a focus group in Year one and again in Year five. Open ended questions will be developed to understand project objectives (Year 1) and implementation success and challenges (Year 5).

Quantitative reporting will include fulfilling requirements set forth by the California Air Resources Board (CARB) as well as indicators described below for each project and the transformative initiatives. We will use descriptive statistics, p values and odds ratios (where applicable) to demonstrate change in quantitative indicators over time. At the project level, we can measure change in variables using rates. Where appropriate, baseline data will be gathered in for Year 1 in order to analyze change over the program period.

Community and spatial indicators, such as those from the US Census, Centers for Disease Control (CDC) & Richmond Community Survey will be tracked & analyzed from Year 1 through project completion.

Spatial data analysis will focus on the extent to which vulnerable populations, defined by SGC, are receiving program benefits. We will compute the spatial densities of interventions and associate these with population vulnerability measures, exploring whether groups and areas are less-vulnerable at project completion compared to the 2023 baseline.

We will also include statistical measures of population health & gun violence. These indicators are described below and were selected to track whether the RR projects are reducing some of the key drivers of local trauma and toxic stress - or chronic anxiety that can adversely influence physical and mental well-being. Research suggests that community greening & social connections can help reduce gun violence & associated stress.

With this combination of data - quantitative, qualitative & spatial - the evaluation will aim to understand if and how community members in the RR Project Area are becoming less vulnerable and more resilient to a changing climate.

This evaluation plan consists of and will include the following:

1. CARB Tools/Indicators

Complete CARB-specific reporting templates for all TCC-funded activities on GHG emission reduction quantification, co-benefits, and jobs.

2. Project & Program Processes & Progress

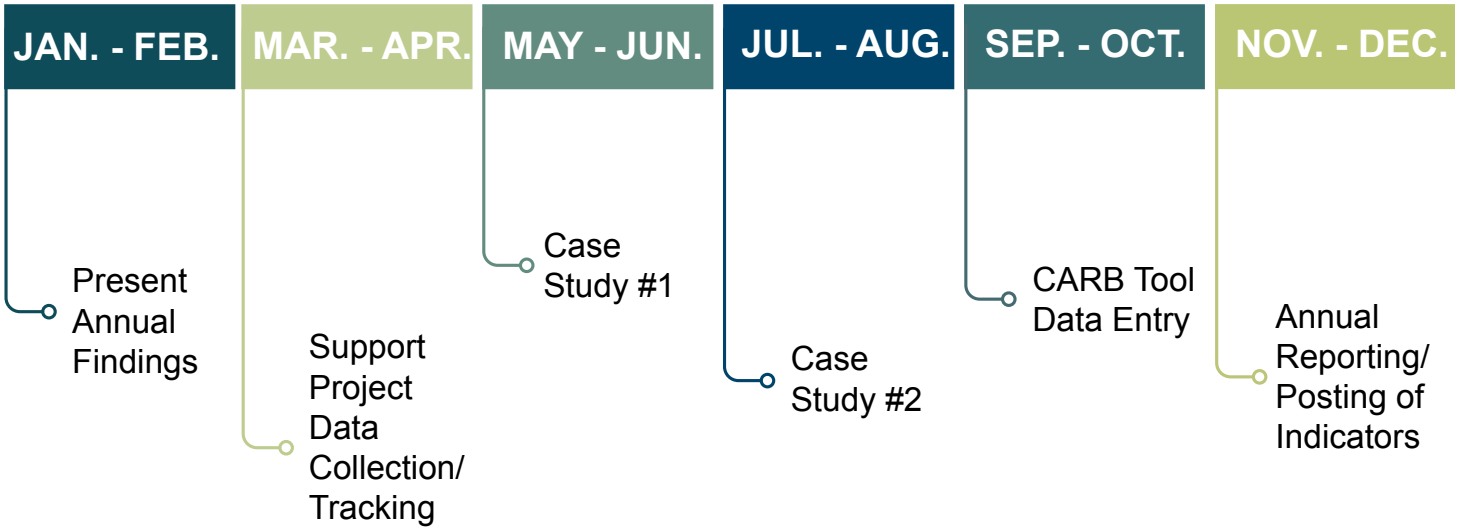
An annual evaluation report, and accompanying presentation that summarizes and reports on the cumulative results and/or progress of the TCC investments. The annual reports will include qualitative and quantitative data and analysis on the indicators specified in the TCC Evaluation Plan, and how they change over time compared to the baseline data.

3. Case studies

Develop two case studies per year for each TCC site. This could include a project spotlight or a people/project profile to communicate TCC project stories with the public and external stakeholders. Each case study/profile will include brief copy, quotes, and high-resolution photos.

4. Final Report

Collect and analyze data and feedback on the TCC program. Write a comprehensive report on the TCC program's design and implementation, including all measure and interviews and focus groups with stakeholders, at the conclusion of the RR program. Timeline for Year 1 displayed below, timelines for other years appear on page 75.

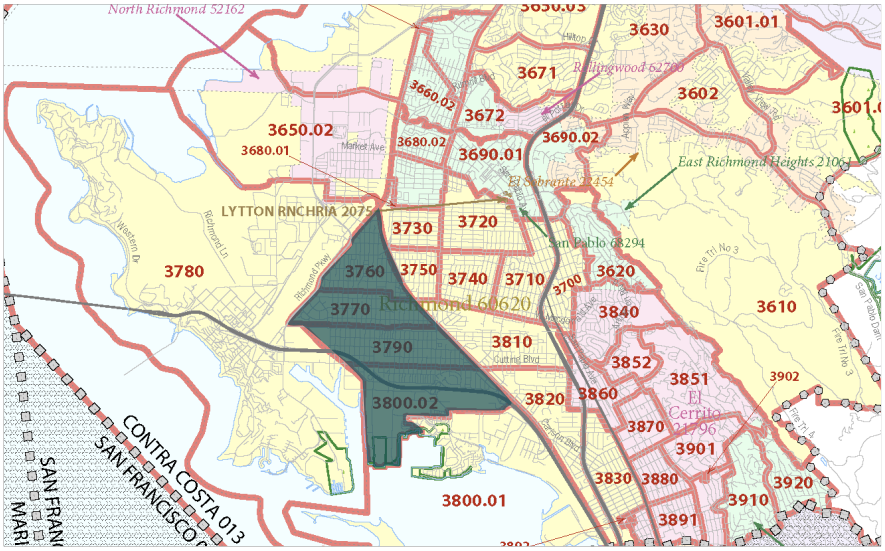


INTERVENTION & CONTROL SITES

This evaluation will track changes over time in both the intervention area and a control area, both defined by US Census Tracts. The intervention area includes the four census tracts that we are calling the **Richmond Rising Project Area**. The control sites are adjacent census tracts in Richmond with similar population demographics, housing & environmental conditions as the intervention area. The detailed US Census data for the intervention area and the Control sites appears on page 23. In addition to measuring changes within the intervention area and control areas, we will include similar data at the County and State scale for comparison purposes.

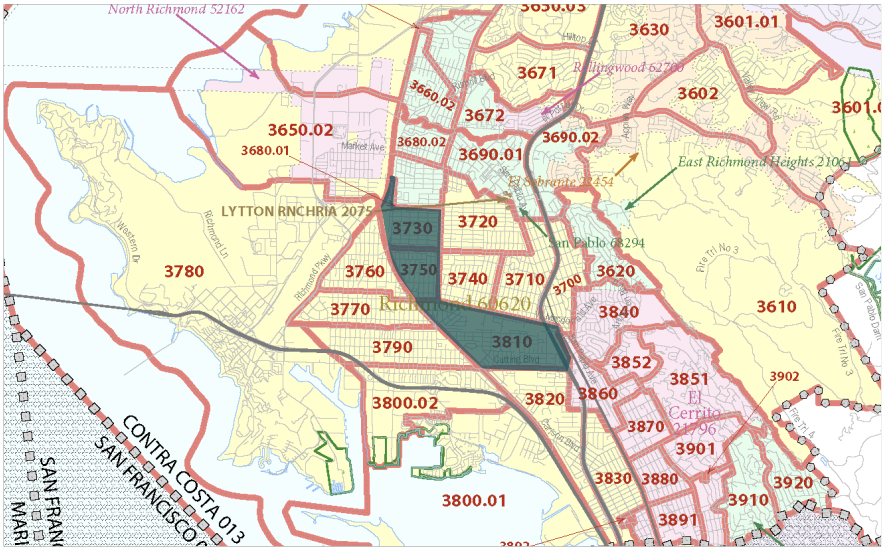
Intervention Area:

The evaluation census tracts include:
376000, 377000, 379000, 3800.02



Control Sites:

The control census tracts include:
373000, 374000, 375000, 381000



American Community Survey (ACS) – 2018-22				
Indicator	**Project Area Tracts**	**Control Tracts**	**Contra Costa County**	**State of California**
Total Population	26,391	21,047	1,162,648	39,356,104
CalEnviroscreen 4.0 percentile (reflects pollution burden and vulnerability to environmental health risks)	92.43	77.92	36.7	50
% Black, not Hispanic or Latino	18.87%	17.35%	8.27%	5.15%
% Asian, not Hispanic or Latino	5.91%	6.10%	18.92%	15.14%
% Latino or Hispanic	64.53%	64.20%	26.82%	39.97%
Median Household Income	$61,545	$78,750	$120,061	$91,551
% Population with Income to Poverty Ratio under 0.5	13.88%	9.26%	4.37%	5.72%
% Housing Units Occupied by Renters	56.41%	57.83%	32.90%	44.37%
% of Households Spending ≥ 50% of Income on Rent	26.25%	28.83%	25.18%	26.60%
% Unemployment (age 16+)	9.09%	7.07%	5.85%	6.41%
% Speak Spanish at Home	61.92%	56.41%	18.36%	28.24%
Environmental & Public Health (PLACES – 2021)				
Tree Canopy Cover Percentile (California Healthy Places Index, 2011)	28.4	36.25	53.6	
% obesity among adults aged ≥ 18 years	34.27%	33.40%	24.6%	
% high blood pressure among adults aged ≥ 18 years	29.43%	28.43%	27.9%	
% Diabetes among adults aged ≥ 18 years	13.37%	13.10%	10.5%	
Mental distress among adults aged ≥ 18 years	19.13%	18.58%	13.2%	
Physical inactivity among adults aged ≥ 18 years	29.17%	28.95%	18.1%	
# HH low income solar installations (Transparent Richmond, 2007-2023)	115	86		

Gun Violence Data (2023)		
	Central Richmond	**Northern and Southern Richmond (combined)**
Non-Fatal Shootings	35	39
Firearm Homicides	4	4

* As defined by the Richmond Police Department.

BASELINE REPORT DATA & INPUTS

This baseline report is a result of a mixed set of data and analytic methods. We gathered the latest data from the sources below for indicators of health, well-being, built environment, and public safety which acts as the baseline, or starting point, from which we will track changes over the life-time of the Richmond Rising projects.

1. The American Community Survey (ACS), 5-year estimates (2018-2022)
2. CalEnviroscreen 4.0 (2021)
3. Transparent Richmond (2007-2023)
4. Center for Disease Control and Prevention, PLACES (2021)
5. Richmond Police Department (2023)
6. Richmond Community Survey Data (RCS) (2021)
7. CDC/ATSDR Social Vulnerability Index (CDC/ATSDR SVI) (2020)
8. City Health Dashboard (2021)

Where possible, we compared the latest data for the Project Area to control census tracts, Contra Costa County and the State of California.

We also collected the latest available data from the 2021 Richmond Community Survey (RCS), to identify emerging trends and progress towards goals (e.g., increase in ease of travel by bicycle). In most cases, we report the RCS data based on the percentage of people that responded “good” or “excellent” to a particular question. For most questions, the possible responses were “excellent”, “good”, “fair”, “poor”, or “don’t know”, from which we excluded “don’t know” responses to provide clearer data on people’s responses. We will track how these indicators change over the life of the RR project.

We divided the Richmond Community Survey data into 4 categories aligned with the outcomes and impacts of the RR projects, namely:

1. Qualities of the living environment;
2. Social connections & community engagement;
3. Human health and wellness, and
4. Mobility and accessibility

We also include specific health outcome, gun violence and environmental quality data for the Project Area. These data are intended to track population health and well-being, safety and environmental justice. In the following pages, we provide an overview of the gathered data and offer a descriptive insight into the current status of the Project Area compared to the larger City of Richmond and Contra Costa County.

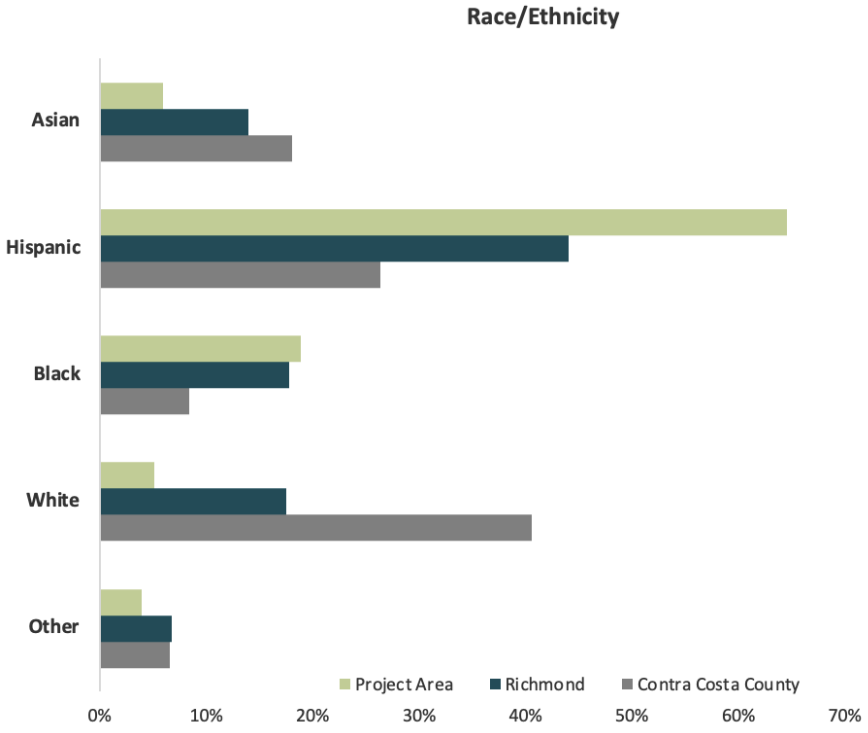
BASELINE DATA (2022/3)

Population

Project Area: 26,391
City of Richmond: 115,619
Contra Costa County: 1,162,648

Approximately 23% of the population of Richmond lives in census tracts within the project area.

Race/Ethnicity

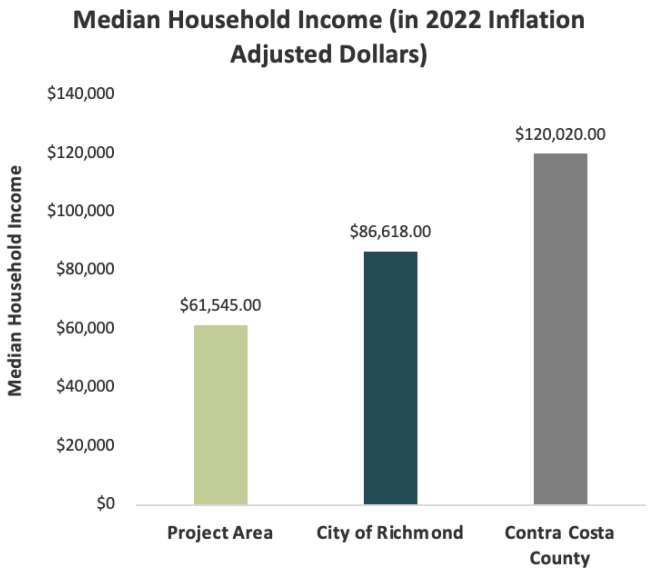


In the Project Area, approximately 65% of the population identifies as Hispanic, 19% as Black (not Hispanic or Latino), 6% as Asian, and 5% as White.

In Richmond, 44% identifies as Hispanic, 18% as Black (not Hispanic or Latino), 14% as Asian, and 17% as White.

In Contra Costa County, 41% identifies as White, 26% of Hispanic, 18% as Asian, and 8% as Black (not Hispanic or Latino).

Median Household Income



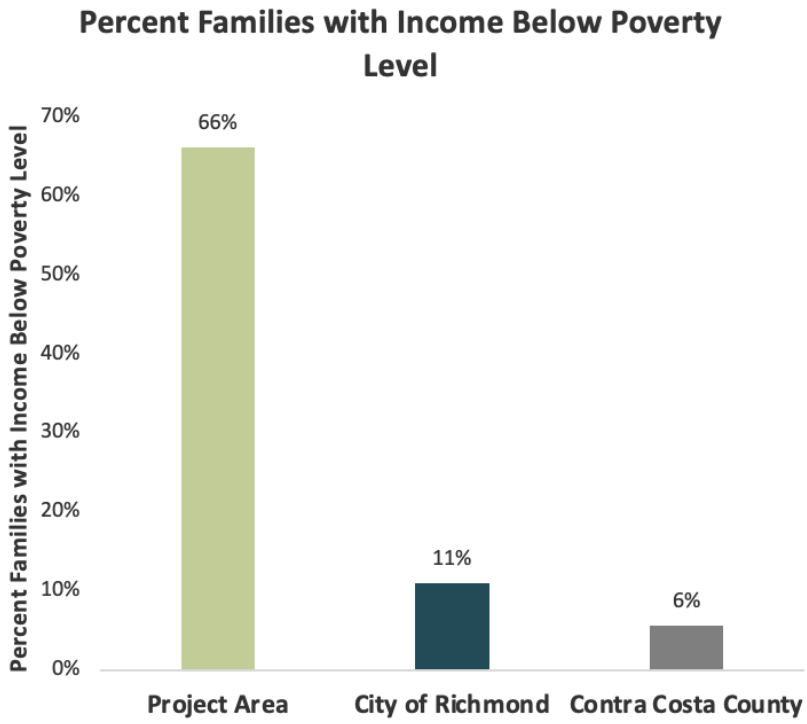
The median household income in the wider Contra Costa County is $120,020.

In the City of Richmond the median decreases to $86,618.

In the Project Area, median household income is $61,545.

These graphs were generated using data from the 2022 American Community Survey 5-Year Estimates.

Poverty

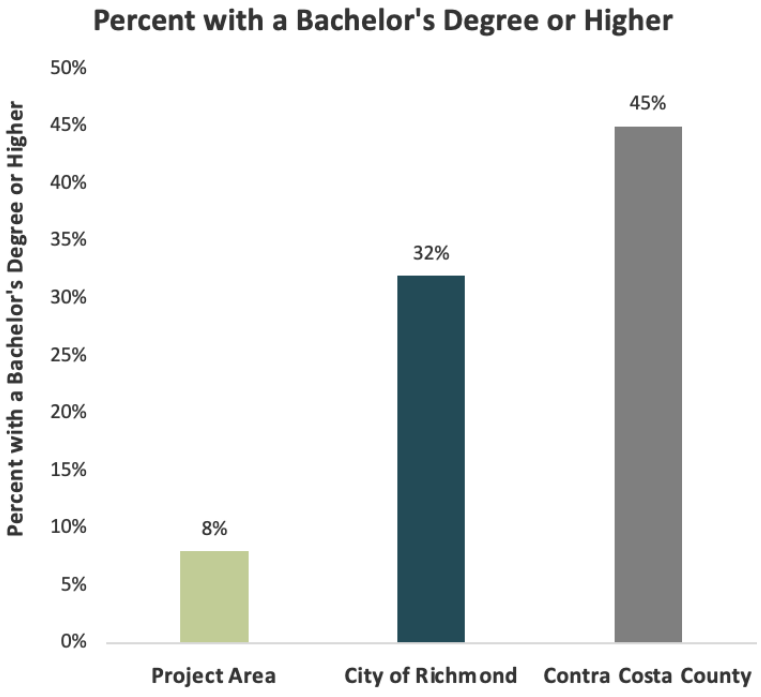


In Contra Costa County, 6% of families report living with an income below poverty line.

In the City of Richmond, the percentage rises to 11%.

In the Project Area, the percentage goes up to 66%.

Educational Attainment



In Contra Costa County, 45% of the population has a Bachelor's Degree or Higher.

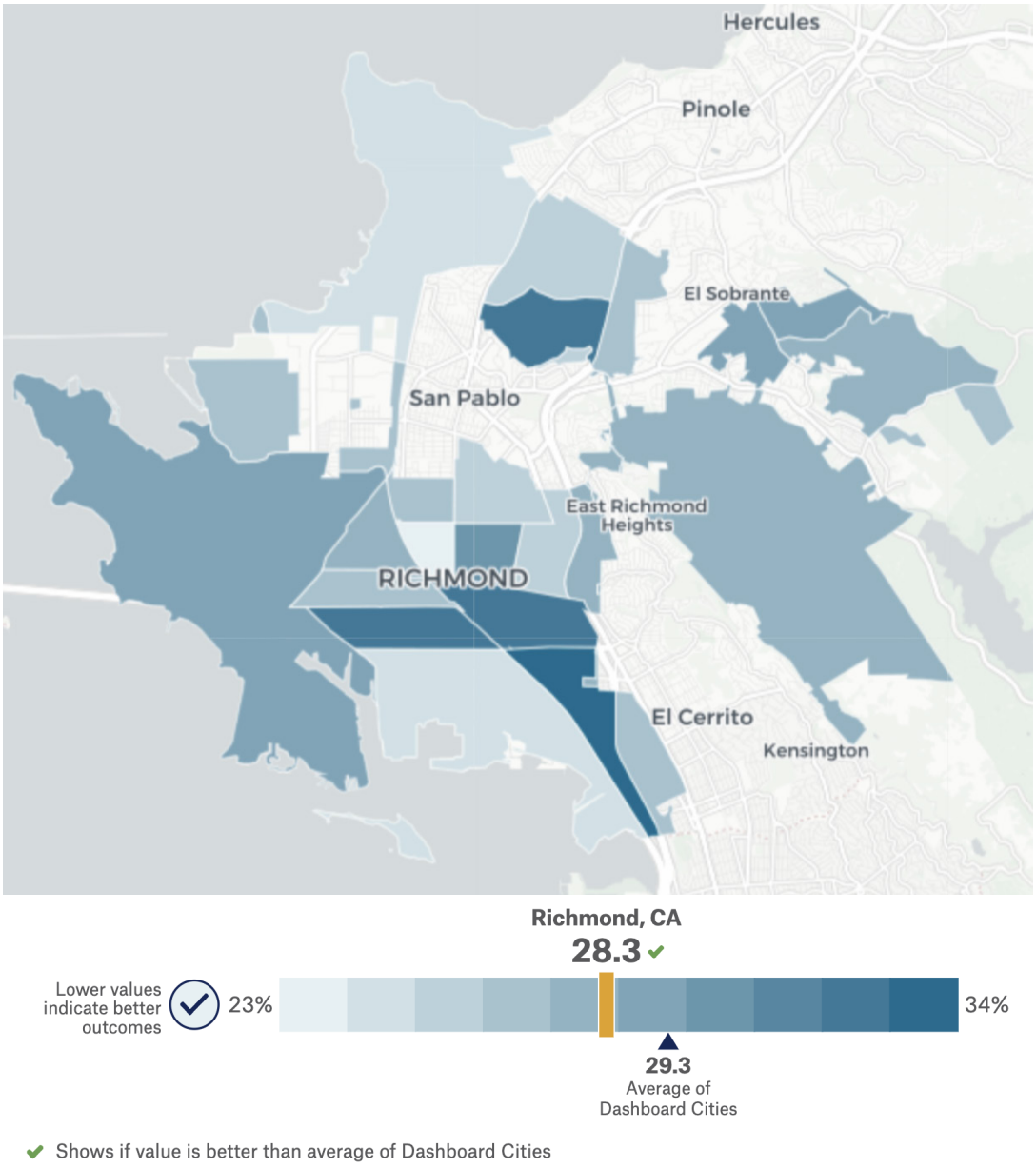
In the City of Richmond, the reported percentage is 32%.

In the Project Area, the percentage decreases to 8%.

Richmond Community Survey (RCS) - 2022	
Quality of place/neighborhood	**Project Area (% good/excellent)**
Richmond as a place to live	37.26
Neighborhood as a place to live	42.21
Overall feeling of safety	22.94
Quality of natural environment	25.23
Quality of parks and recreation	30.47
Availability of affordable quality housing	13.07
Cost of living	15.19
Rate City parks	34.55
Social Cohesion & Community Engagement	
Neighborliness of residents	22.12
Residents' connection and engagement with their community	19.2
Openness and acceptance of the community toward people of diverse backgrounds	40.26
Valuing/respecting residents from diverse backgrounds	34.6
Taking care of vulnerable residents	27.64
Overall quality of business and service establishments	27.55
Public places where people want to spend time	22.73
Health & Wellness	
% of residents reporting good or excellent overall health	42.94
Health & Wellness Opportunities	39.46
Availability of affordable quality food	23.42
Availability of affordable quality health care	29.54
% of residents reporting they feel safe from a fire, flood, or other natural disaster	68.95
In the last year, how often, if at all, did you worry about you, someone in your family or any other person of your same race, ethnicity or nationality experiencing unfair treatment because of your race, ethnicity, or color?	51.38
Mobility & Accessibility	
Ease of travel by bicycle	31.66
Ease of walking	29.27
Availability of paths and walking trails	37.67
Walked or biked instead of driving	39.25

Health & Wellness:
Centers for Disease Control and Prevention (CDC) data

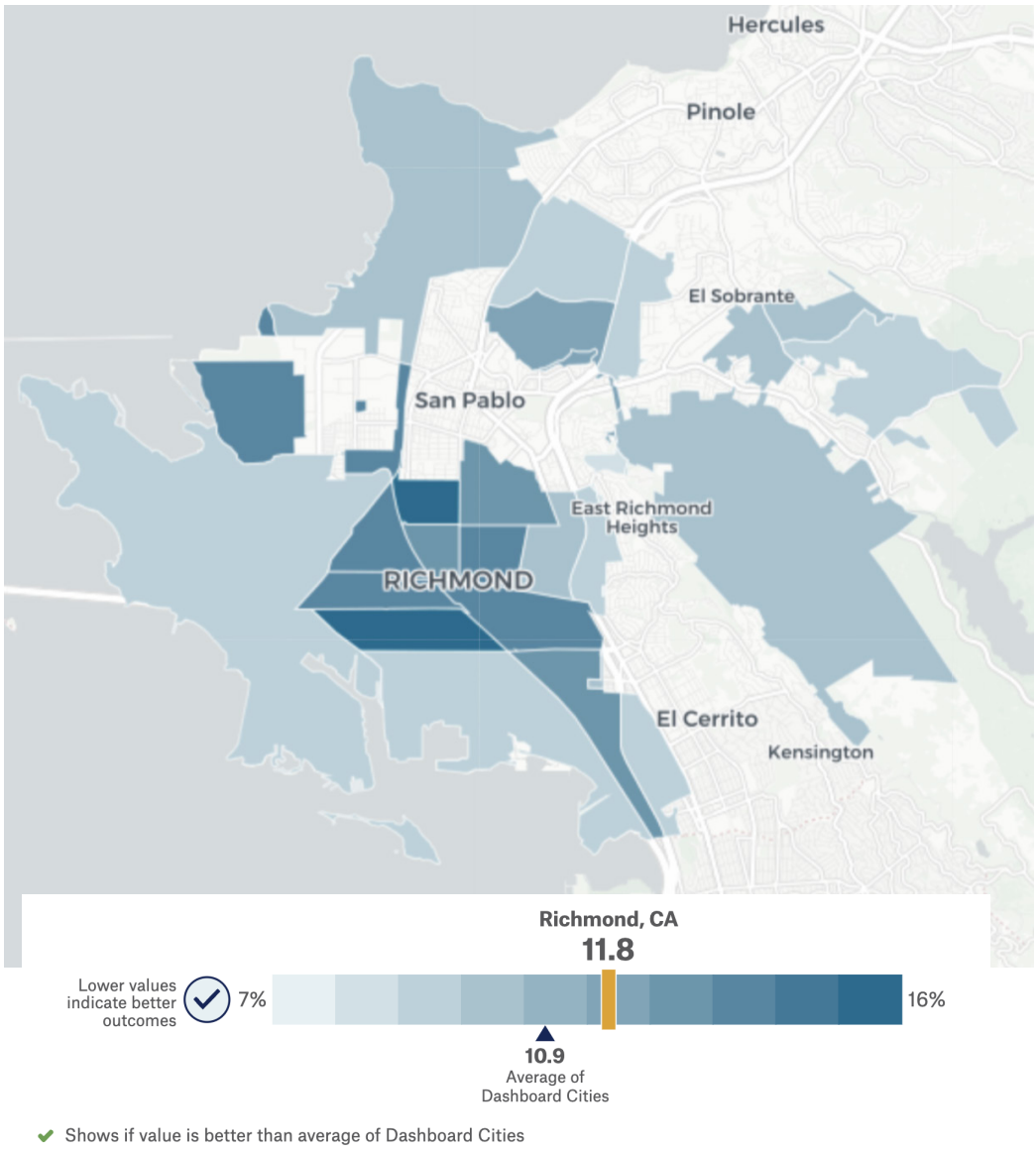
High Blood Pressure in Richmond, CA (2021)



High blood pressure can reflect overall level of community stress and experiences of inequity, such as discrimination. In 2021, the Centers for Disease Control (CDC) estimated of 28.3% adults reported high blood pressure in Richmond compared to an average of 29.3% across all US cities. The goal for Richmond is to have less than 21% reported cases (25% reduction) by 2029.

Source: City Health Dashboard; Data from PLACES Project, Centers for Disease Control., 2021

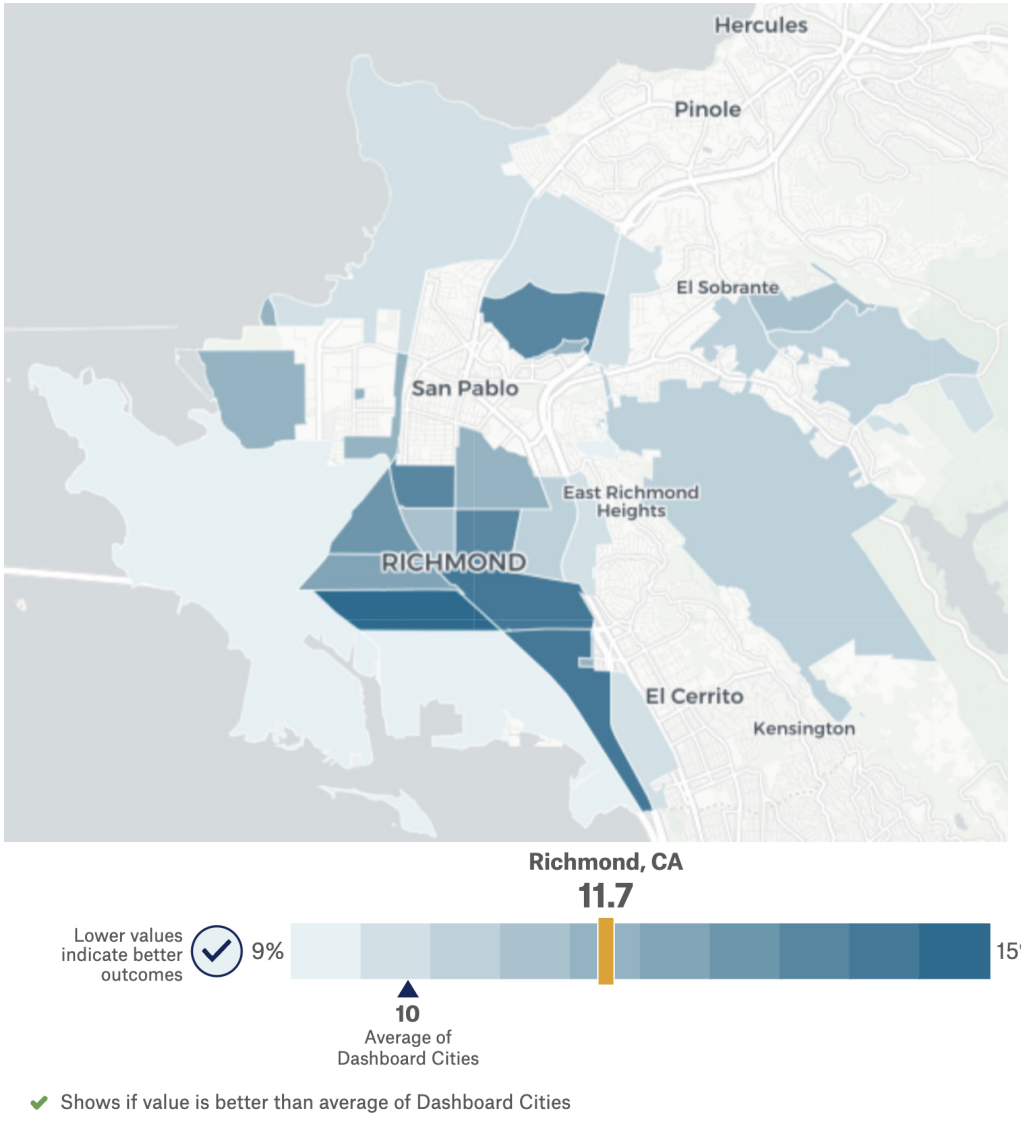
Frequent Physical Distress in Richmond, CA (2021)



Physical distress in a community can be an indicator that the area is not safe, that the population has multiple chronic health conditions & may be in-need of supportive services. Frequent physical distress measures adults, aged 18 or older, who report experiencing poor physical health for 14 days or more in the last month. Richmond had an estimated 11.8% of adults report frequent physical distress in 2021, compared to an average of 10.9% across all US cities. The goal for Richmond is to reach 6% or less (50% reduction) by 2029.

Source: City Health Dashboard; Data from PLACES Project, Centers for Disease Control., 2021

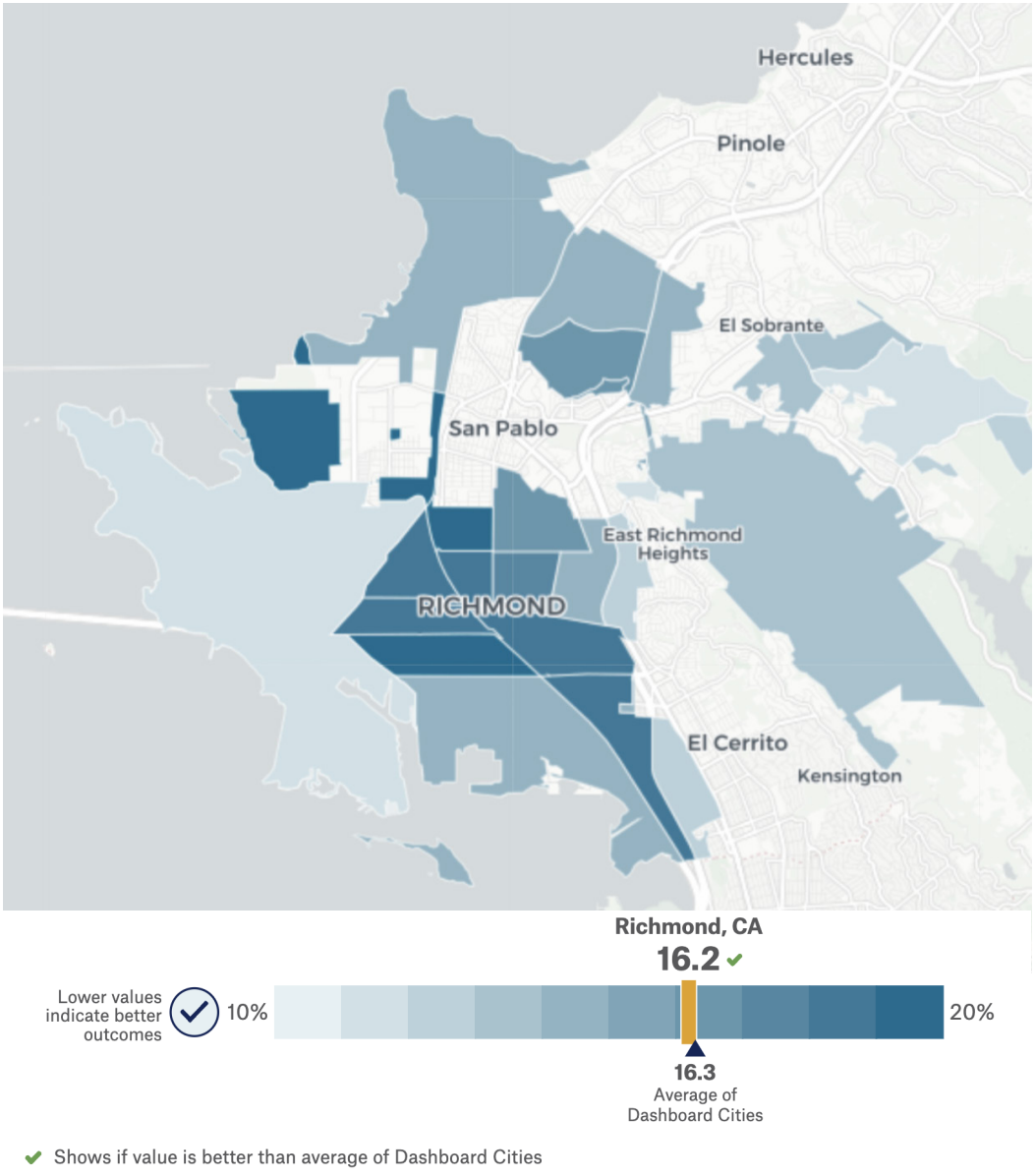
Diabetes in Richmond, CA (2021)



High levels of stress hormones can increase the risk of type 2 diabetes and adversely impacts glucose regulation and insulin production. The map describes the percentage of adults who reported having diabetes in 2021. Richmond had an estimated 11.7% of adults report having diabetes in 2021, compared to an average of 10% across all US cities. The goal for Richmond is to have a reported average of less than 10% by 2029.

Source: City Health Dashboard; Data from PLACES Project, Centers for Disease Control., 2021

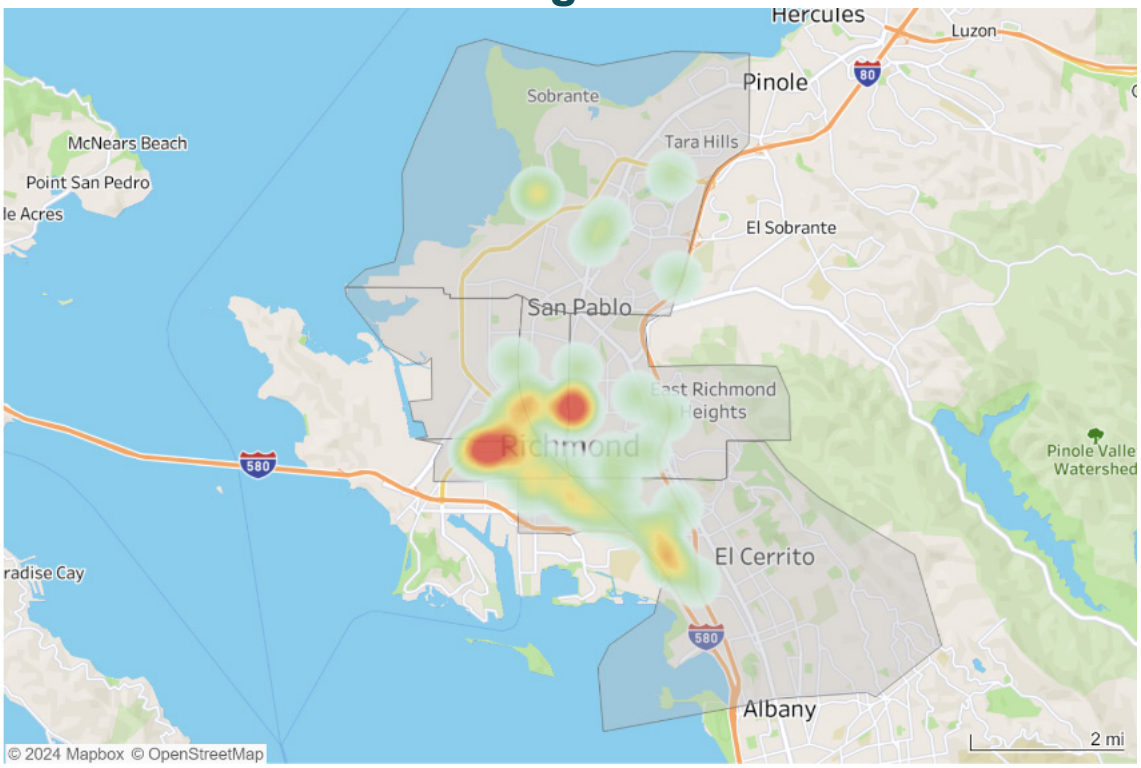
Frequent Mental Distress in Richmond, CA (2021)



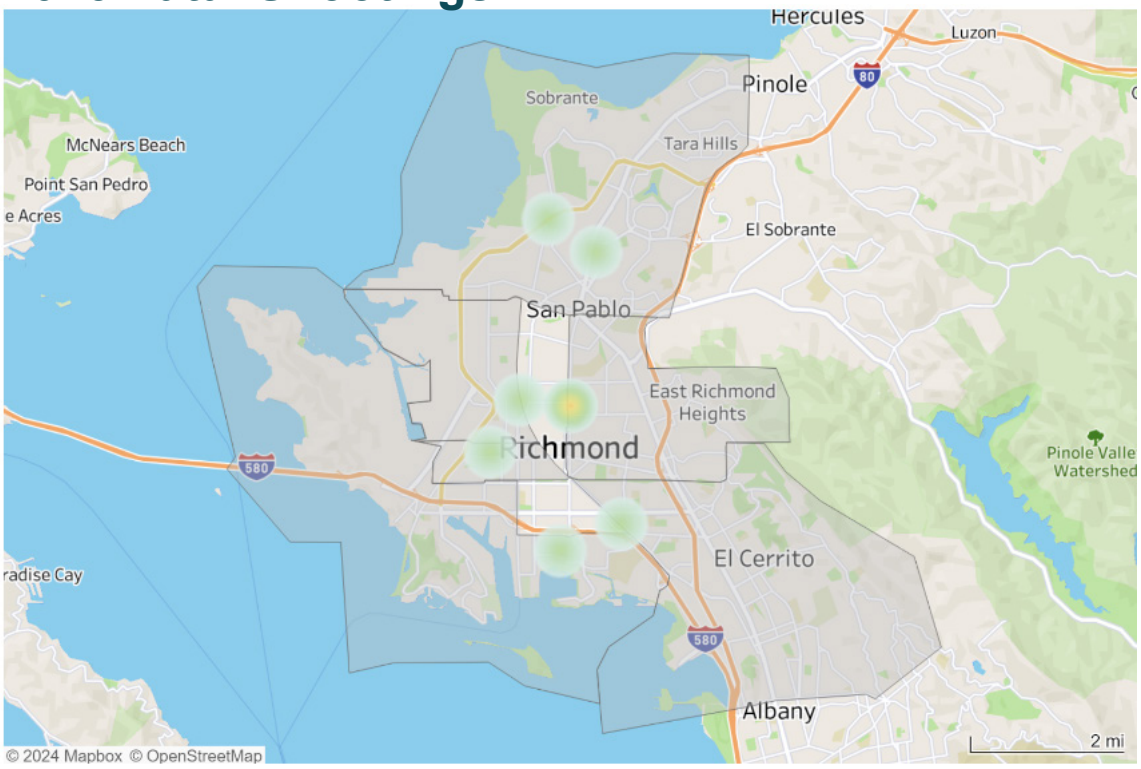
Fear, anxiety and chronic uncertainty about your ability to pay bills, be safe or be subject to an adverse environmental event can lead to mental distress. Frequent mental distress measures adults, aged 18 or older, who report experiencing poor mental health for 14 days or more in the past month. The map shows that Richmond had an estimated 16.2% of adults report frequent mental distress in 2021, compared to an average of 16.3% across all US cities. The goal for Richmond is to reach 12% or less (25% reduction) by 2029.

Source: City Health Dashboard; Data from PLACES Project, Centers for Disease Control., 2021

2023 Non-Fatal Shootings:

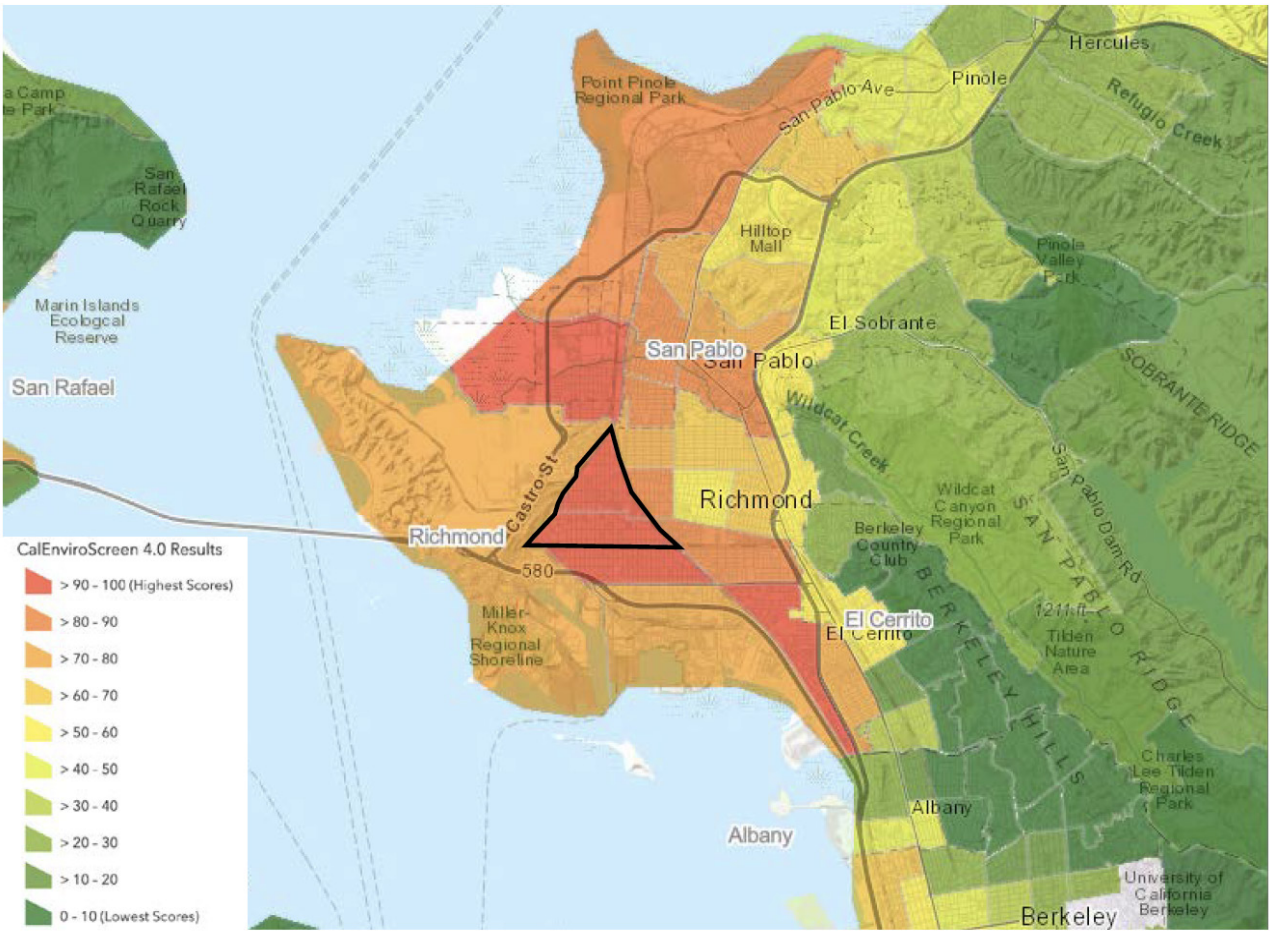


2023 Fatal Shootings:



While RR is not focused on reducing gun violence, there is increasing evidence that neighborhood greening and tree planting projects can help reduce firearm violence and the resulting adverse mental and physical health conditions associated with living in a neighborhood with high rates of violence-related trauma. We expect RR greening projects to positively contribute to violence reduction in the Project Area.

Pollution Burden



Source: CalEnviroscreen

Pollution Indicators

Exposure Indicators

Population Characteristics Indicators

Sensitive Population Indicators

Socioeconomic Factor Indicators

Environmental Effect Indicators

CalEnviroScreen identifies census tracts that are vulnerable due to demographics (i.e., poverty, high housing costs), pre-existing conditions (i.e., asthma & cardiovascular disease) & environmental pollution. The map above shows that the greatest social and environmental burdens - or environmental injustice - are in the central RIchmond tracts that are the focus of RR. We expect that after five years of RR, there will be a shift in the Enviroscreen scores (i.e., from red to green) which will indicate that the community is less vulnerable to environmental hazards and more resilient to climate change risks.

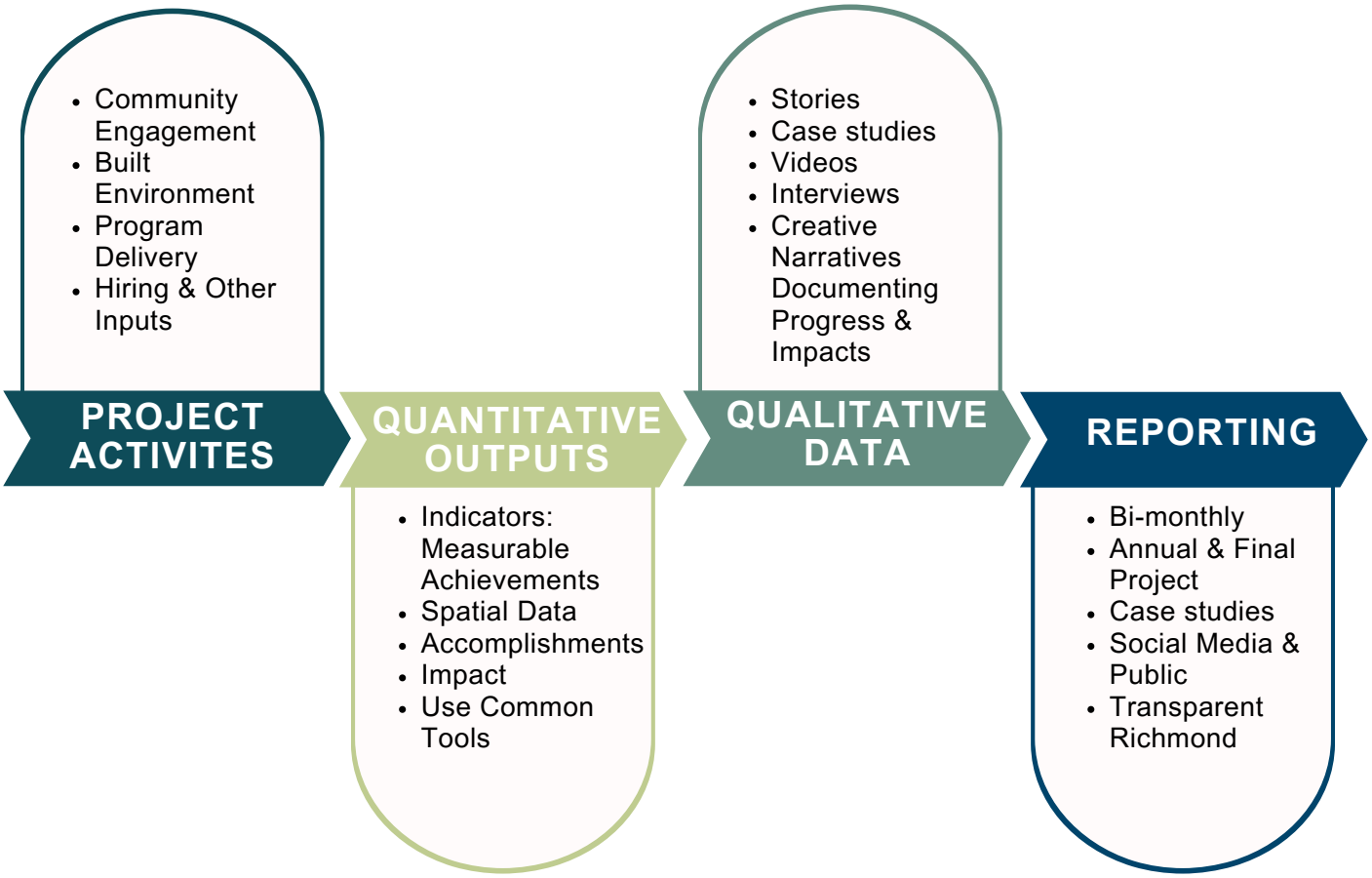
SECTION 03

PROJECT LEVEL INDICATORS & REPORTING

Methodology Overview

The Evaluation and Indicator Tracking Team has created a shared reporting form for each implementing partner to record progress each year. The form captures quantitative and qualitative data and is specific to each project's overall goals and objectives. In addition, the form includes descriptive data on implementation progress to date, successes, challenges and any adjustments to original work plans that each partner needed to make for the upcoming year.

Quantitative and qualitative data, as well as spatial information, will be collected for most projects. Quantitative data will include specific indicators capturing outputs and outcomes. These will be documented by each project team. Additional quantitative data on influences will be collected by both project partners and the evaluation team. These will be descriptive narratives of project implementation and influences on users and the broader community. Questionnaires will be developed for each project in the design of the annual case studies.



1. NEIGHBORHOOD COMPLETE STREETS

This project will improve street safety for pedestrians and people on bycicles. New, dedicated bike lanes, sidewalk & crosswalk improvements will create safer connections between key neighborhood destinations in the project area. Project components include new bike lanes, bus stop enhancements, streetscape improvements, street crossing enhancements, and traffic calming measures. Trees will also be planted along this corridor.

As partners to this City of Richmond-led project, the non-profit organizations Pogo Park and the Richmond Main Street Initiative will hold 12 door-to-door outreach events and 8 town halls. Community engagement will also be coordinated by the new Richmond Rising Youth Fellows to ensure the project is designed and implemented with community input. These organizations will also conduct resident and business outreach and education regarding the Neighborhood Complete Streets project. The City will track community outreach and engagement using attendance sheets and photos from each outreach event and town hall. Pogo Park and the Richmond Main Street Initiative will host an opening day event including a ribbon cutting ceremony, bike ride, and walk, and provide a summary of this event.

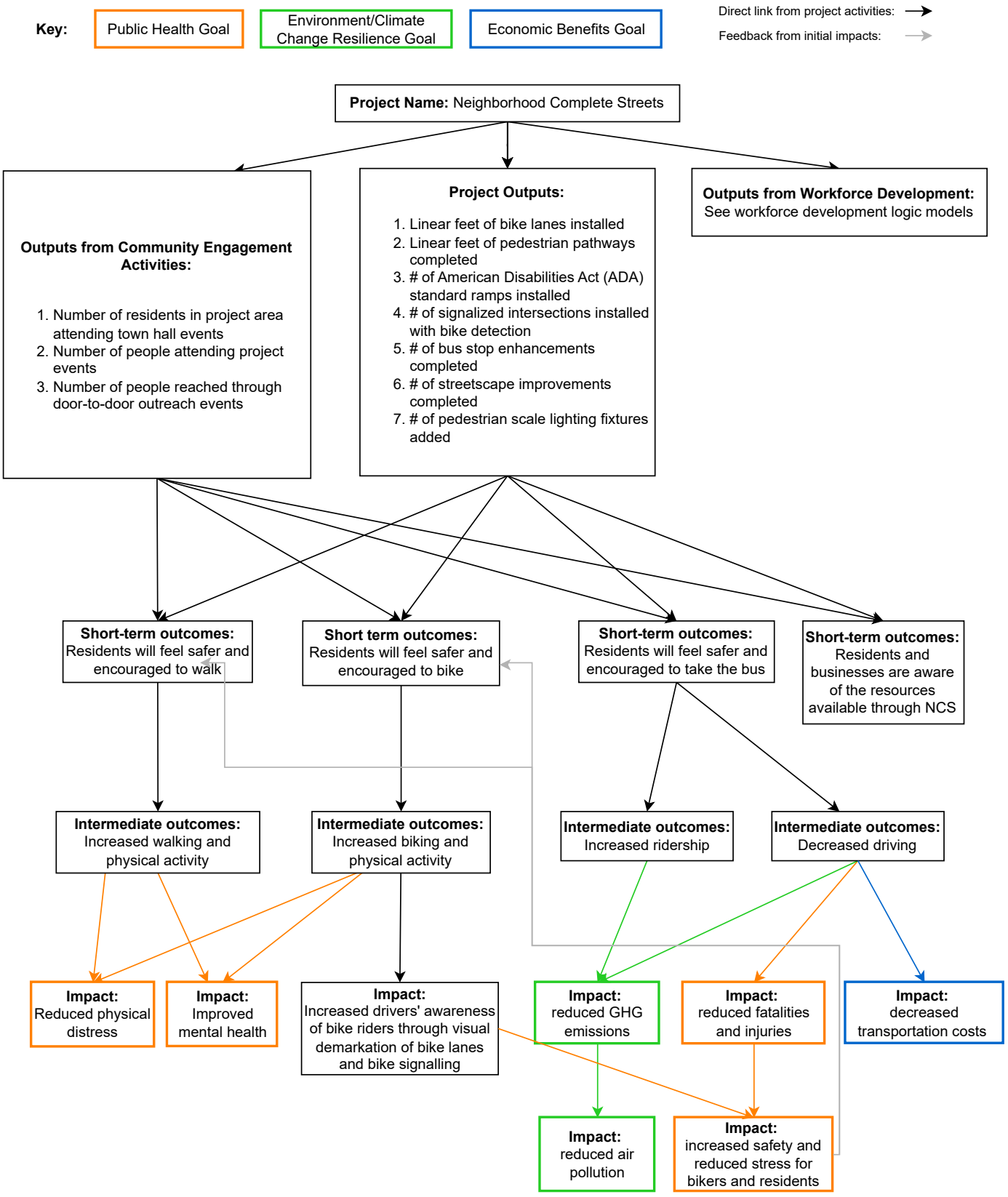
Project metrics related to the built environment will be collected by the City of Richmond. These metrics will include the linear feet and locations of new bike lanes and pedestrian pathways built, number of bus stop enhancements added, number and locations of ADA ramps added, number and location of newly signalized intersections, number, type, and location of traffic calming safety measures, and the number of pedestrian-scale lighting fixtures.

Project Level Indicators

Project: Neighborhood Complete Streets
Lead Entity: City of Richmond
Strategy: Active Transportation

Indicator	Data Source / Lead	Reporting Timeline
Built Environment		
Linear feet of bike lanes installed	City of Richmond (Public Works)	Annually
Linear feet of pedestrian pathways completed		
# of American Disabilities Act (ADA) standard ramps installed		
# of signalized intersections installed with bike detection		
# of bus stop enhancements completed		
# of streetscape improvements completed		
# of pedestrian scale lighting fixtures added		
Community Outreach and Engagement		
# of residents in project area attending town hall events	City of Richmond (Public Works)	Bi-monthly
# people attending project events		
# of people reached through door-to-door outreach events		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Neighborhood Complete Streets
Outputs from Community Engagement Activities:
1. Number of residents in project area attending town hall events
2. Number of people attending project events
3. Number of people reached through door-to-door outreach events
Project Outputs:
1. Linear feet of bike lanes installed
2. Linear feet of pedestrian pathways completed
3. # of American Disabilities Act (ADA) standard ramps installed
4. # of signalized intersections installed with bike detection
5. # of bus stop enhancements completed
6. # of streetscape improvements completed
7. # of pedestrian scale lighting fixtures added
Outputs from Workforce Development: See workforce development logic models
Short-term outcomes: Residents will feel safer and encouraged to walk
Short term outcomes: Residents will feel safer and encouraged to bike
Short-term outcomes: Residents will feel safer and encouraged to take the bus
Short-term outcomes: Residents and businesses are aware of the resources available through NCS
Intermediate outcomes: Increased walking and physical activity
Intermediate outcomes: Increased biking and physical activity
Intermediate outcomes: Increased ridership
Intermediate outcomes: Decreased driving
Impact: Reduced physical distress
Impact: Improved mental health
Impact: Increased drivers' awareness of bike riders through visual demarkation of bike lanes and bike signalling
Impact: reduced GHG emissions
Impact: reduced fatalities and injuries
Impact: decreased transportation costs
Impact: reduced air pollution
Impact: increased safety and reduced stress for bikers and residents

2. RICHMOND WELLNESS TRAIL, PHASE 2

The Richmond Wellness Trail Phase 2 is led by Trust for Public Land and includes development of protected cycle tracks and shaded pedestrian routes. These routes will provide a continuous route from the combined BART/Amtrak station to the new Ferry terminal.

The project directly implements the City of Richmond's General Plan, Pedestrian Plan, and Bicycle Master Plan. Trust for Public Land will coordinate with the City of Richmond to organize and lead a community outreach program with groups of community members, including the Richmond Rising Youth Fellows. Community workshops will take place to inform residents about the project, gather local knowledge and input for the final design, and garner community support for using the newly implemented trail.

Construction of the Wellness Trail is to be completed by 2026. Trust for Public Land will track community outreach and engagement using attendance sheets and photos from each community workshop. Upon completion of the project construction, Trust for Public Land will capture community perceptions and initial use data by administering the Richmond Wellness Trail Community Survey and interviewing random users of the trail over a six-month period.

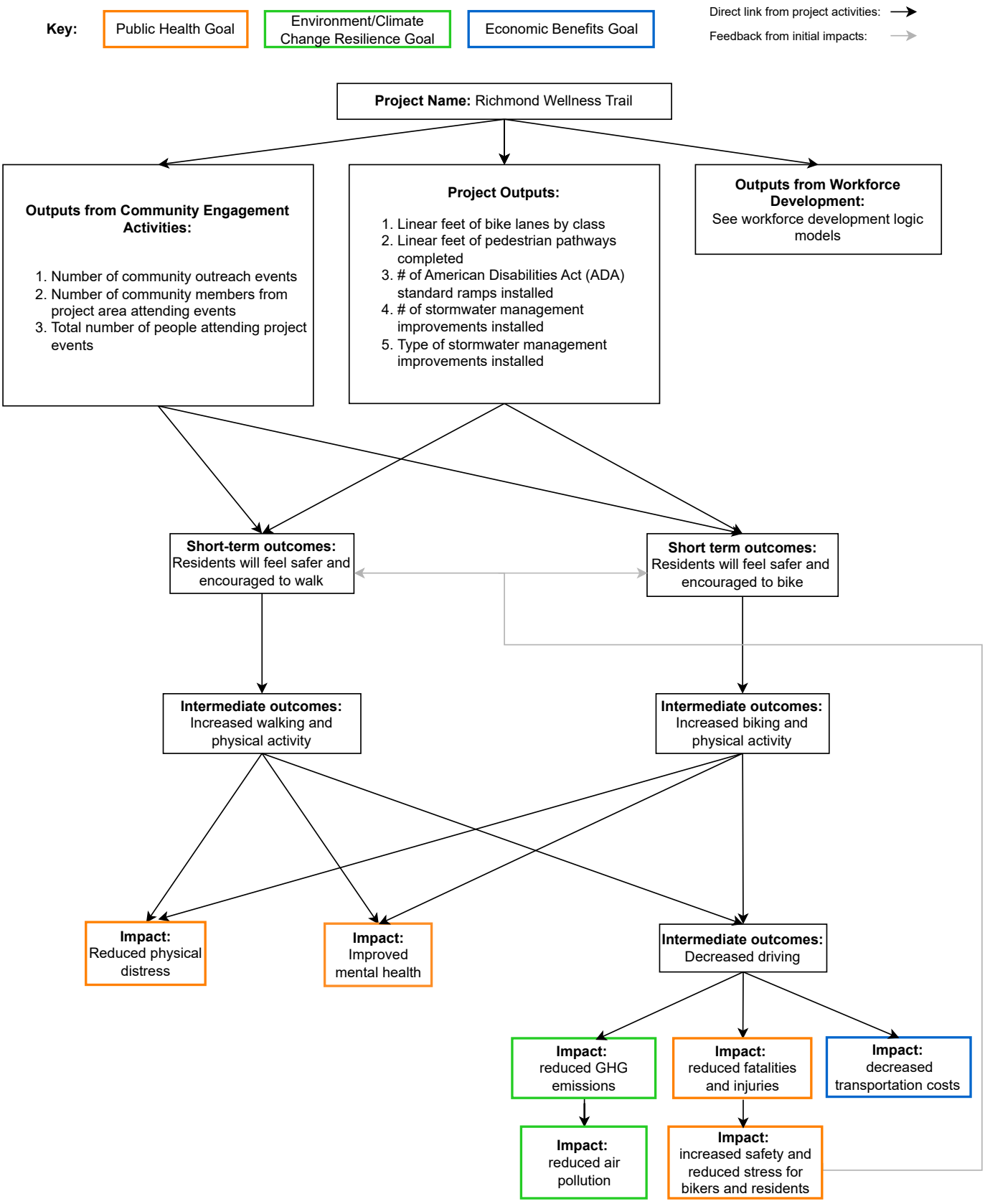
Project metrics related to the built environment will be collected annually by Trust for Public Land. These metrics will include the length of bike lanes and pedestrian pathways built, number and locations of ADA ramps added, and the number, location, and type of stormwater management improvements installed. Trust for Public Land will manage the permitting, design, and construction of the project.

Project Level Indicators

Project: Richmond Wellness Trail
Lead Entity: Trust for Public Land
Strategy: Active Transportation

Indicator	Data Source / Lead	Reporting Timeline
Built Environment		
Linear feet of bike lanes installed	Trust for Public Land	Annually
Linear feet of pedestrian pathways completed		
# of American Disabilities Act (ADA) standard ramps installed		
# of stormwater management improvements installed		
Type of stormwater management improvements installed		
Community Outreach and Engagement		
# of community outreach events	Trust for Public Land	Bi-monthly
# of community members from project area attending events		
total # of people attending project events		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Richmond Wellness Trail
Outputs from Community Engagement Activities:
1. Number of community outreach events
2. Number of community members from project area attending events
3. Total number of people attending project events
Project Outputs:
1. Linear feet of bike lanes by class
2. Linear feet of pedestrian pathways completed
3. # of American Disabilities Act (ADA) standard ramps installed
4. # of stormwater management improvements installed
5. Type of stormwater management improvements installed
Outputs from Workforce Development:
See workforce development logic models
Short-term outcomes:
Residents will feel safer and encouraged to walk
Short term outcomes:
Residents will feel safer and encouraged to bike
Intermediate outcomes:
Increased walking and physical activity
Intermediate outcomes:
Increased biking and physical activity
Impact:
Reduced physical distress
Impact:
Improved mental health
Intermediate outcomes:
Decreased driving
Impact:
reduced GHG emissions
Impact:
reduced fatalities and injuries
Impact:
decreased transportation costs
Impact:
reduced air pollution
Impact:
increased safety and reduced stress for bikers and residents

3. E-BIKE LENDING LIBRARY

The E-Bike Lending Library will be a new structure in Unity Park along the Richmond Greenway focused on providing e-bikes to the local community. The project will also include the development of a new long-term E-bike share program, where community members can check out bikes, take free classes, and get help and support with maintaining and using an e-bike.

Richmond City Rides will host 4-5 outreach sessions aimed at soliciting community feedback on the design of the Lending Library and the proposed management structure of the program. Participants will be asked questions to inform the design of the location and maintenance of charging equipment, management of software updates for the bikes, and maintenance of the library lending system. In addition, participants will have the opportunity to share their opinions regarding the logo of the e-bikes and colors of the final design, which will contribute to further tailoring the project to community members' wants and needs. Rich City Rides will track who participates in the design sessions and the outcomes of these planning and design meetings.

Rich City Rides will also be developing the "Volunteer, Training, Maintenance" road to ownership program (VTM Program) and the Operations and Maintenance Plan. These initiatives will determine the ownership structure and long-term lending strategies for e-bikes. The VTM program will offer educational community sessions (including classes, rides, and workshops). These activities will provide guidance on accessing Lending Library e-bikes and participating in the City's e-bike share program. The VTM and overall program management will aim to create new employment opportunities for local residents.

Project Level Indicators

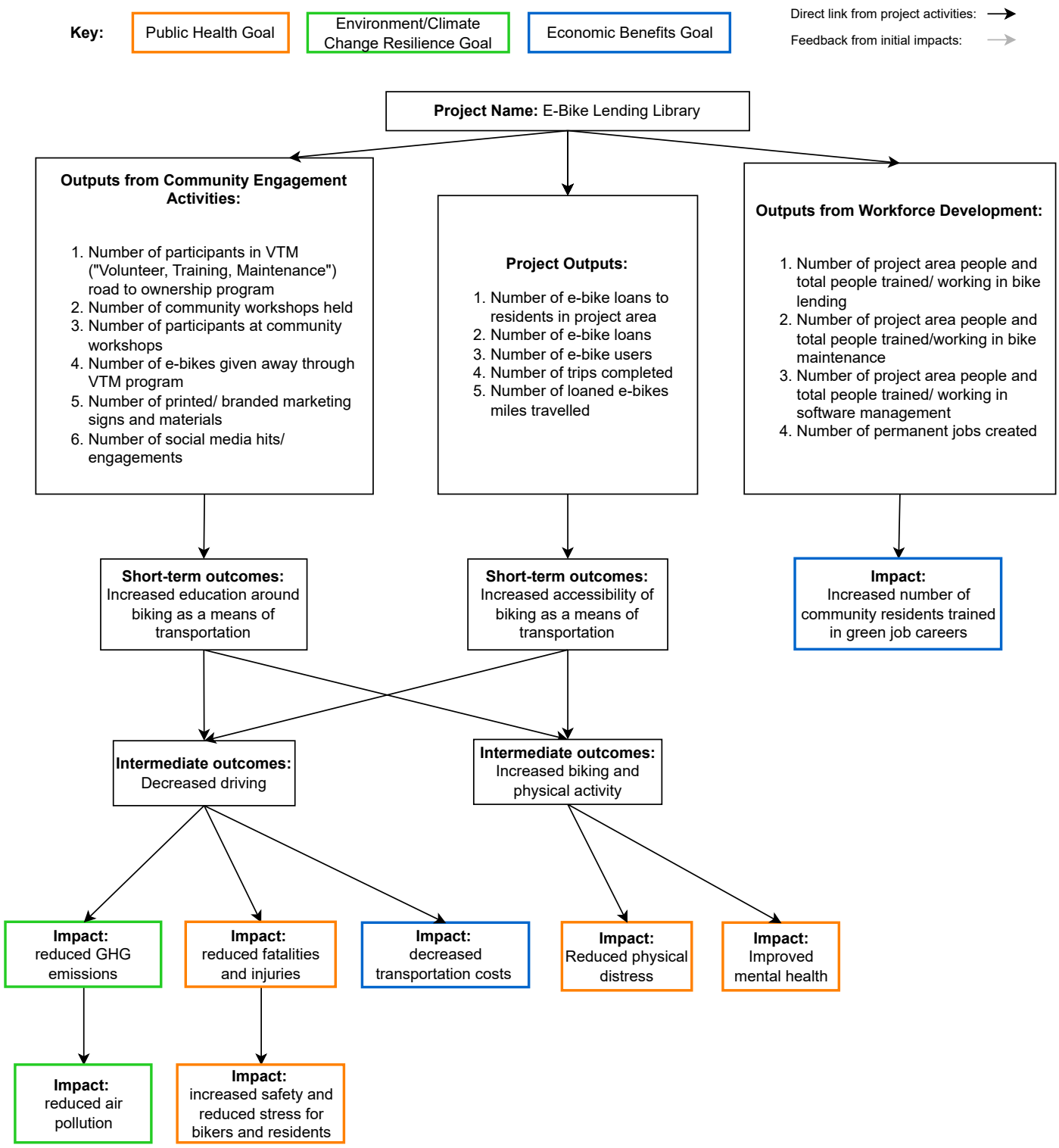
Project: E-bike Lending Library

Lead Entity: Rich City Rides

Strategy: Car Sharing and Mobility Enhancement

Indicator	Data Source / Lead	Reporting Timeline
Program Users		
# of e-bike loans to residents in project area	Rich City Rides	Bi-monthly
# of e-bike loans		
# of e-bike users		
# of trips completed		
# of loaned e-bikes miles travelled		
Workforce Development		
# of project area people & total people trained/working in bike lending	Rich City Rides	Bi-monthly
# of project area people & total people trained/working in bike maintenance		
# of project area people & total people trained/working in software management		
# permanent jobs created		
Community Outreach and Engagement		
# of participants in VTM “Volunteer, Training, Maintenance” road to ownership program	Rich City Rides	Bi-monthly
# of community workshops held		
# of participants at community workshops		
# of e-bikes given away through VTM program		
# of printed/branding marketing signs and materials		
# of social media hits/engagements		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: E-Bike Lending Library
Outputs from Community Engagement Activities:
1. Number of participants in VTM ("Volunteer, Training, Maintenance") road to ownership program
2. Number of community workshops held
3. Number of participants at community workshops
4. Number of e-bikes given away through VTM program
5. Number of printed/ branded marketing signs and materials
6. Number of social media hits/ engagements
Project Outputs:
1. Number of e-bike loans to residents in project area
2. Number of e-bike loans
3. Number of e-bike users
4. Number of trips completed
5. Number of loaned e-bikes miles travelled
Outputs from Workforce Development:
1. Number of project area people and total people trained/ working in bike lending
2. Number of project area people and total people trained/working in bike maintenance
3. Number of project area people and total people trained/ working in software management
4. Number of permanent jobs created
Short-term outcomes: Increased education around biking as a means of transportation
Short-term outcomes: Increased accessibility of biking as a means of transportation
Impact: Increased number of community residents trained in green job careers
Intermediate outcomes: Decreased driving
Intermediate outcomes: Increased biking and physical activity
Impact: reduced GHG emissions
Impact: reduced fatalities and injuries
Impact: decreased transportation costs
Impact: Reduced physical distress
Impact: Improved mental health
Impact: reduced air pollution
Impact: increased safety and reduced stress for bikers and residents

4. RESILIENT HOMES FOR HEALTHY COMMUNITIES

This project, led by GRID Alternatives Bay Area, will enhance the energy infrastructure and positively impact household costs. In the TCC Project Area, 875 kilowatts (KW) of solar photovoltaic systems will be installed on approximately 250 single-family homes. Additionally, GRID will coordinate energy efficiency measures with Marin Clean Energy (MCE) to amplify the impacts on households' savings and well-being to at least 216 solar install clients, as well as additional assessed clients. GRID Alternatives will coordinate outreach & employment efforts through the TCC Community Engagement Plan and TCC Workforce Development and Economic Opportunity Plan.

GRID Alternatives will monitor community engagement at recruitment events using attendance sheets and photographs to pinpoint potential program participants. Tracked participant engagement metrics will include number of eligible homes identified and number of residents recruited.

Once program participants are identified, solar electricity infrastructure and energy efficiency upgrades will be installed directly into single-family homes. Project metrics related to the built environment will be collected bi-monthly by GRID Alternatives & MCE. The indicators will track the installed photovoltaic capacity, number of energy measures and electrification systems installed, and number of site visits performed. In addition, GRID and MCE will combine pre-and post installation energy and cost measures with interviews of residents to capture the overall influence on individual household energy burden. Quantitative metrics will also include the household energy savings, the number of energy efficiency measures installed and the number of fossil fuel systems replaced.

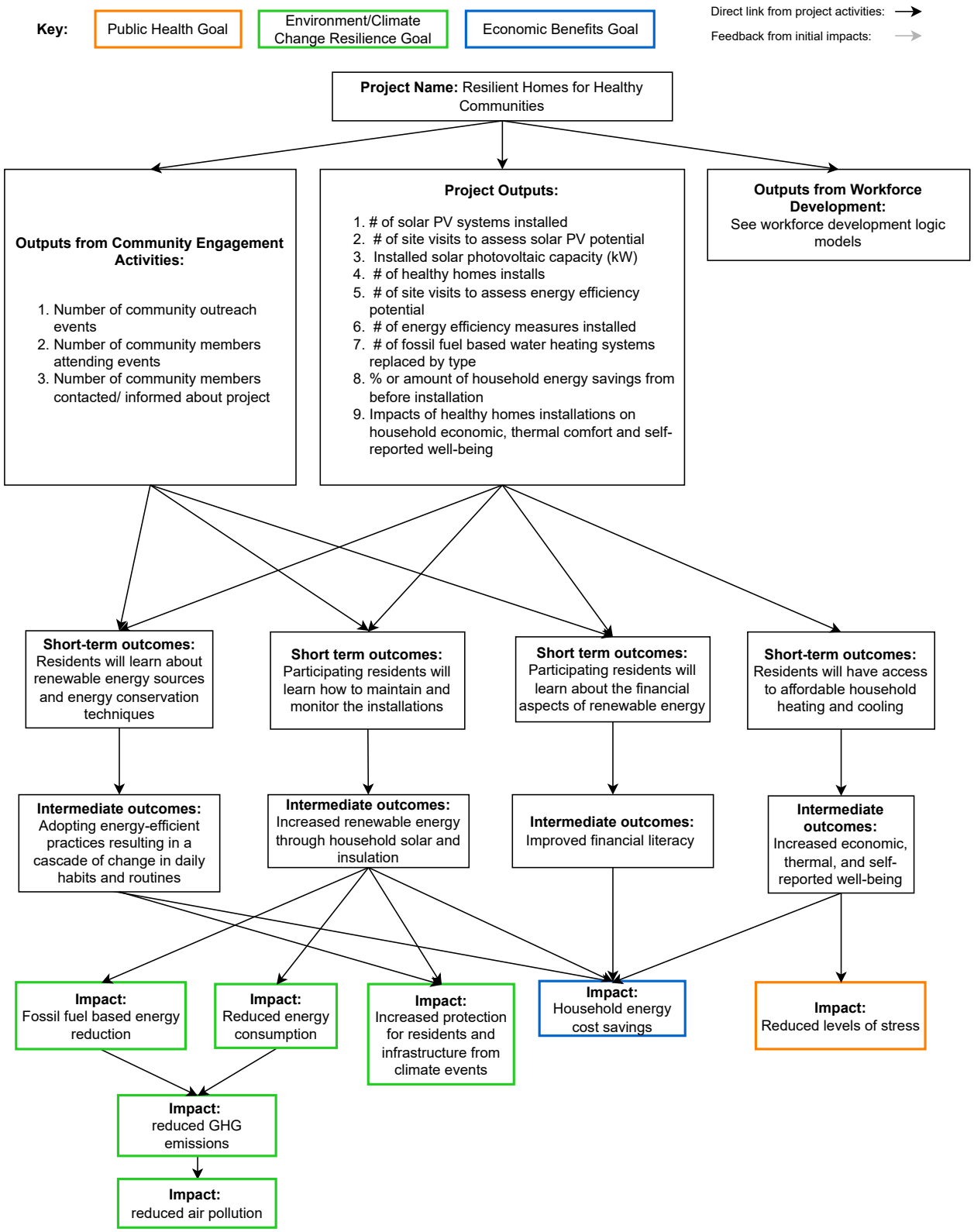
Qualitative data will explore questions of energy insecurity & justice. Energy insecurity can include thermal discomfort & high utility costs due to poor housing quality & inefficient appliances. Energy injustice is when these challenges force households to cope by turning off or greatly reducing energy use, often contributing to adverse health impacts. Energy justice seeks to mitigate energy insecurity & poverty by supporting improved electricity access, sustainable energy use practices, housing improvements, poverty reduction, and enhanced well-being for all individuals, regardless of income, race, and ethnicity. GRID & the UCB team will co-design interviews and a survey that will be administered to recipients of this intervention to better understand its impacts on local energy justice.

Project Level Indicators

Project: Resilient Homes for Healthy Communities
Lead Entity: GRID Alternatives Bay Area
Strategy: Solar Installation and Energy Efficiency

Indicator	Data Source / Lead	Reporting Timeline
Built Environment		
# of solar PV systems installed	GRID Alternatives	Bi-monthly
# of site visits to assess solar PV potential		
Installed solar photovoltaic capacity (kW)		
# healthy homes installs	MCE	
# of site visits to assess energy efficiency potential		
# of energy efficiency measures installed		
# of fossil fuel based systems replaced by type		
Household Impacts		
% or amount of household energy savings from before installation	GRID & MCE	Annually
Impacts of healthy homes installations on household economic, thermal comfort & self-reported well-being	GRID & UC Berkeley	
Community Engagement and Outreach		
# of community outreach events	GRID Alternatives	Bi-monthly
# of community members attending events		
# of community members contacted/informed about project		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Resilient Homes for Healthy Communities
Outputs from Community Engagement Activities:
1. Number of community outreach events
2. Number of community members attending events
3. Number of community members contacted/ informed about project
Project Outputs:
1. # of solar PV systems installed
2. # of site visits to assess solar PV potential
3. Installed solar photovoltaic capacity (kW)
4. # of healthy homes installs
5. # of site visits to assess energy efficiency potential
6. # of energy efficiency measures installed
7. # of fossil fuel based water heating systems replaced by type
8. % or amount of household energy savings from before installation
9. Impacts of healthy homes installations on household economic, thermal comfort and self-reported well-being
Outputs from Workforce Development:
See workforce development logic models
Short-term outcomes:
Residents will learn about renewable energy sources and energy conservation techniques
Short term outcomes:
Participating residents will learn how to maintain and monitor the installations
Short term outcomes:
Participating residents will learn about the financial aspects of renewable energy
Short-term outcomes:
Residents will have access to affordable household heating and cooling
Intermediate outcomes:
Adopting energy-efficient practices resulting in a cascade of change in daily habits and routines
Intermediate outcomes:
Increased renewable energy through household solar and insulation
Intermediate outcomes:
Improved financial literacy
Intermediate outcomes:
Increased economic, thermal, and self-reported well-being
Impact:
Fossil fuel based energy reduction
Impact:
Reduced energy consumption
Impact:
Increased protection for residents and infrastructure from climate events
Impact:
Household energy cost savings
Impact:
Reduced levels of stress
Impact:
reduced GHG emissions
Impact:
reduced air pollution

5. BASINS OF RELATIONS

The Basins of Relations (BoR) conservation, watersheds training and community services program expansion will be administered by Urban Tilth. The project aims to increase the efficiency of urban water use through the installation of drought-tolerant landscaping, drip irrigation, grey-water and rainwater catchment systems. The project will aim to reaching out to at least 300 low-income homeowners to educate them on water efficiencies. Urban Tilth will then enroll at least 120 low-income households in the program and determine what each needs in terms of water savings interventions.

The project will also create employment opportunities for local people. Urban Tilth will run a training program for local young people interested in pursuing green-jobs and careers. The first will be a training program in and jobs with the Watersheds team, where they will learn to design and install efficient landscape watering systems. Young people who complete the training will become apprentices and some may gain full-time employment.

Urban Tilth will track then number of and participants at community outreach events. Outreach will also include the number of households contact and those enrolled in the program.

The number of youth and others trained in water efficiency measures, those that volunteer and those that are hired part and full time will also be tracked by Urban Tilth.

The intervention will track the number and type of measures installed and which household (locations) received the intervention.

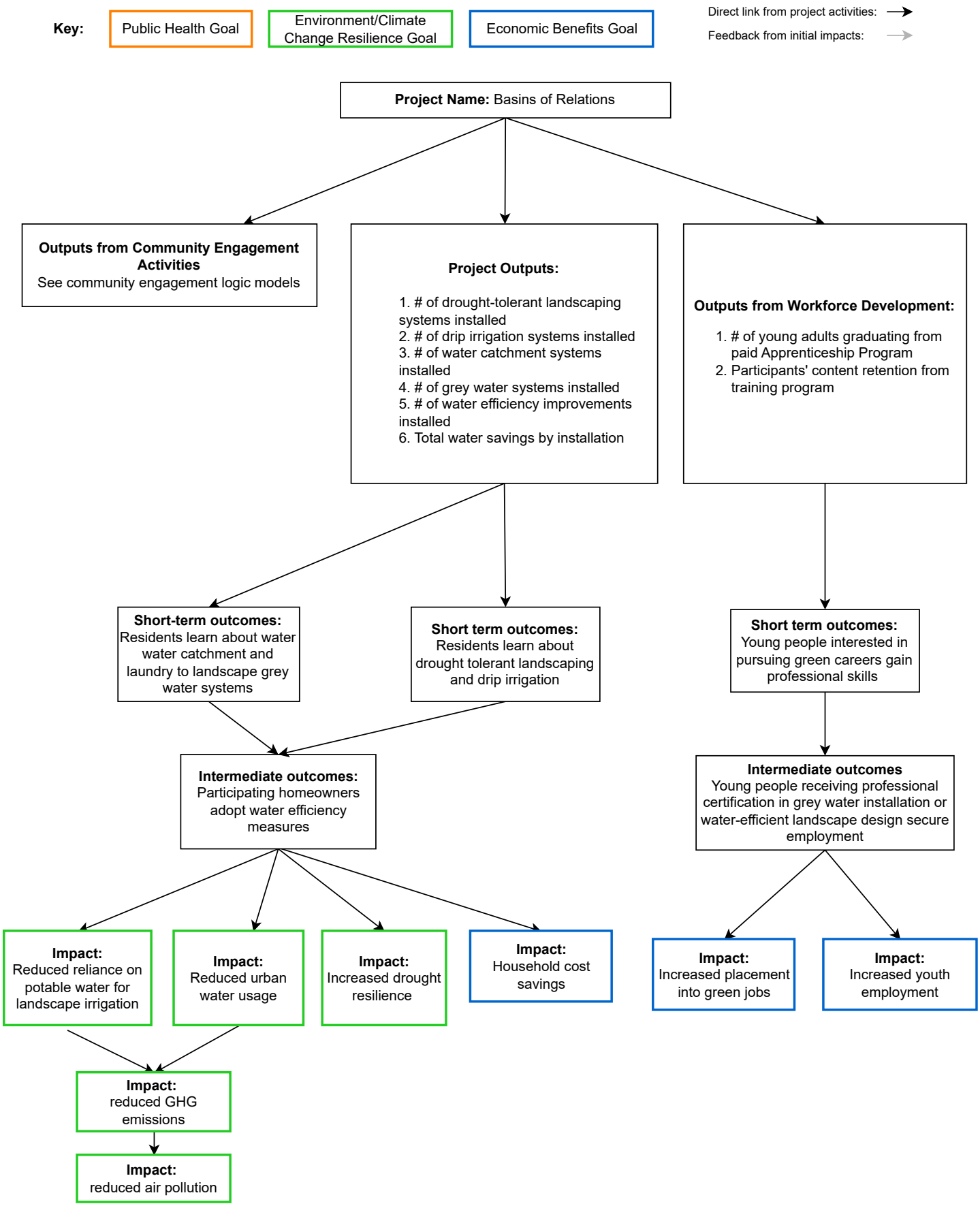
Urban Tilth will conduct their own assessment of the impacts of the interventions on households by estimating the total water savings by each installation and adding these to generate a total amount of water saved.

Project Level Indicators

Project: Basins of Relations
Lead Entity: Urban Tilth
Strategy: Water Efficiency

Indicator	Data Source / Lead	Reporting Timeline
Built Environment		
# of drought tolerant landscaping systems installed	Urban Tilth	Annually
# of drip irrigation systems installed		
# of water catchment systems installed		
# of greywater systems Installed		
Household Impacts		
Total water savings by installation	Urban Tilth	Annually
Workforce Development		
# of young adults graduating from paid Apprenticeship Program	Urban Tilth	Bi-monthly
Participants' content retention from training program		Post training

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Basins of Relations
Outputs from Community Engagement Activities
See community engagement logic models
Project Outputs:
1. # of drought-tolerant landscaping systems installed
2. # of drip irrigation systems installed
3. # of water catchment systems installed
4. # of grey water systems installed
5. # of water efficiency improvements installed
6. Total water savings by installation
Outputs from Workforce Development:
1. # of young adults graduating from paid Apprenticeship Program
2. Participants' content retention from training program
Short-term outcomes: Residents learn about water water catchment and laundry to landscape grey water systems
Short term outcomes: Residents learn about drought tolerant landscaping and drip irrigation
Short term outcomes: Young people interested in pursuing green careers gain professional skills
Intermediate outcomes: Participating homeowners adopt water efficiency measures
Intermediate outcomes Young people receiving professional certification in grey water installation or water-efficient landscape design secure employment
Impact: Reduced reliance on potable water for landscape irrigation
Impact: Reduced urban water usage
Impact: Increased drought resilience
Impact: Household cost savings
Impact: Increased placement into green jobs
Impact: Increased youth employment
Impact: reduced GHG emissions
Impact: reduced air pollution

6. BOSQUE DEL BARRIO

The Bosque del Barrio tree planting project is under the direction of Groundwork Richmond. This project focuses on reforesting the Project Area to increase CO2 capture, improve local air quality, and provide long-term shade for residents. The project directly implements the City of Richmond's Urban Greening Master Plan which identified over 15,000 planting sites and aims to increase urban tree canopy in Richmond. Bosque del Barrio will plant 1,000 trees in the Iron Triangle, Coronado, and Santa Fe communities for this project. The project aims to reforest the Project Area by 2027.

Groundwork Richmond will also continue to engage with community members through their ongoing Adopt-a-Tree program, which has been offered to local residents for 10 years. As part of the program, they will hold tree planting and tree care events, and enroll trained volunteers.

Groundwork Richmond will document their community outreach and engagement events and participants. They will record the number of trained volunteers and participants in tree maintenance events, as well as the Adopt-a-Tree program.

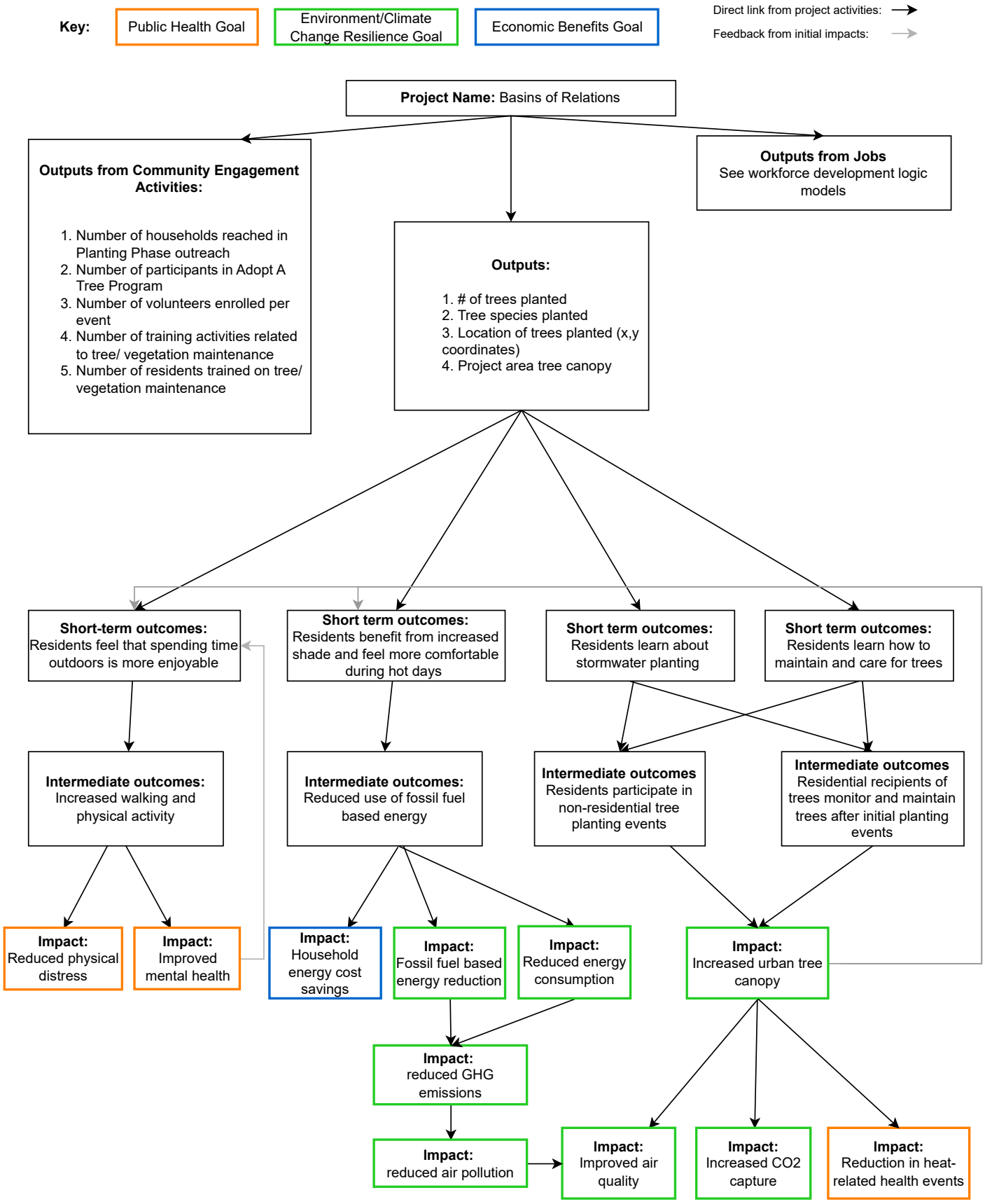
Groundwork Richmond will track the number and location of all trees planted and the species type. These data will help Groundwork and UC Berkeley to generate the change in tree canopy across the Project Area. Groundwork will also support efforts by UCB to map changes in tree canopy and document these changes using photos. The photos and stories from residents, particularly about street tree and overall canopy changes, will act as one case study and qualitative data documenting influences of this project.

Project Level Indicators

Project: Bosque del Barrio
Lead Entity: Groundwork Richmond
Strategy: Urban Greening and Green Infrastructure

Indicator	Data Source / Lead	Reporting Timeline
Trees and Vegetation		
# of trees planted by species	Groundwork Richmond	Bi-monthly
Location of trees planted (x/y coordinates)		
Project area tree canopy	Groundwork Richmond & UC Berkeley	Post project implementa-tion
Community Outreach and Engagement		
# of households reached in Planting Phase outreach	Groundwork Richmond	Bi-monthly
# of participants in Adopt a Tree program		
# of volunteers enrolled per event		
# of training activities related to tree/vegeta-tion maintenance		
# of residents trained on tree/vegetation maintenance		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Basins of Relations
Outputs from Community Engagement Activities:
1. Number of households reached in Planting Phase outreach
2. Number of participants in Adopt A Tree Program
3. Number of volunteers enrolled per event
4. Number of training activities related to tree/ vegetation maintenance
5. Number of residents trained on tree/ vegetation maintenance
Outputs from Jobs
See workforce development logic models
Outputs:
1. # of trees planted
2. Tree species planted
3. Location of trees planted (x,y coordinates)
4. Project area tree canopy
Short-term outcomes:
Residents feel that spending time outdoors is more enjoyable
Short term outcomes:
Residents benefit from increased shade and feel more comfortable during hot days
Short term outcomes:
Residents learn about stormwater planting
Short term outcomes:
Residents learn how to maintain and care for trees
Intermediate outcomes:
Increased walking and physical activity
Intermediate outcomes:
Reduced use of fossil fuel based energy
Intermediate outcomes
Residents participate in non-residential tree planting events
Intermediate outcomes
Residential recipients of trees monitor and maintain trees after initial planting events
Impact:
Reduced physical distress
Impact:
Improved mental health
Impact:
Household energy cost savings
Impact:
Fossil fuel based energy reduction
Impact:
Reduced energy consumption
Impact:
Increased urban tree canopy
Impact:
reduced GHG emissions
Impact:
reduced air pollution
Impact:
Improved air quality
Impact:
Increased CO2 capture
Impact:
Reduction in heat-related health events

7. UNIVERSALLY ACCESSIBLE GARDEN

The Universally Accessible Garden entails the design and construction of the first truly accessible garden on the Richmond Greenway. The garden will be designed specifically for local seniors, those with mobility challenges and other disabilities to actively participate in edible and pollinator gardens along the Richmond Greenway and access healthy foods. The Garden is a project by Urban Tilth and is connected to Unity Park along the Greenways and adjacent to the e-bike lending library.

The Garden will use universal design strategies to ensure there are no limitations to accessing its features. Designs will ensure access to planting beds for those who need to work from a seated position, such as seniors or those in a wheelchair. Raised beds are another design for those in wheelchair to roll their legs underneath the bed to gain access. Other design concepts will ensure those with visual, hearing and cognitive challenges can access the garden using all pathways and utilize all shade trees, water features, seating, tools, signage, and restrooms. Once the garden is co-designed and constructed by community members, Urban Tilth will provide regular programming at the site. Urban Tilth will document the number of community design and programming events, who participates and qualitatively capture perceptions of the Garden as shared by users and their families/companions.

Urban Tilth will also capture event photos and when possible, videos of participants and eventually users of the Garden. The project will measure the number of American Disabilities Act (ADA) standard ramps installed, square feet of accessible garden beds, as well as the number of garden beds serving multiple purposes.

A qualitative data gathering effort by UC Berkeley along with Urban Tilth will interview users to capture the healing benefits/potential of the Garden. Research suggests that there are social, health and therapeutic benefits of public/community gardening, including meeting new people, enhancing one's social connections, as well as relaxation, a sense of achievement, greater connection to nature, and healthier eating. Being outside, especially in the sun, can increase the body's Vitamin D, which helps bolster the immune system, the growth of calcium, contributes to a healthy heart and lungs. When gardening increases physical activity, positive social connections and offers a peaceful natural setting, it can also reduce stress and anxiety. In addition to healing opportunities, the garden will offer visitors the opportunity to learn new gardening skills and share their expertise with younger generations, enriching the community through intergenerational knowledge sharing.

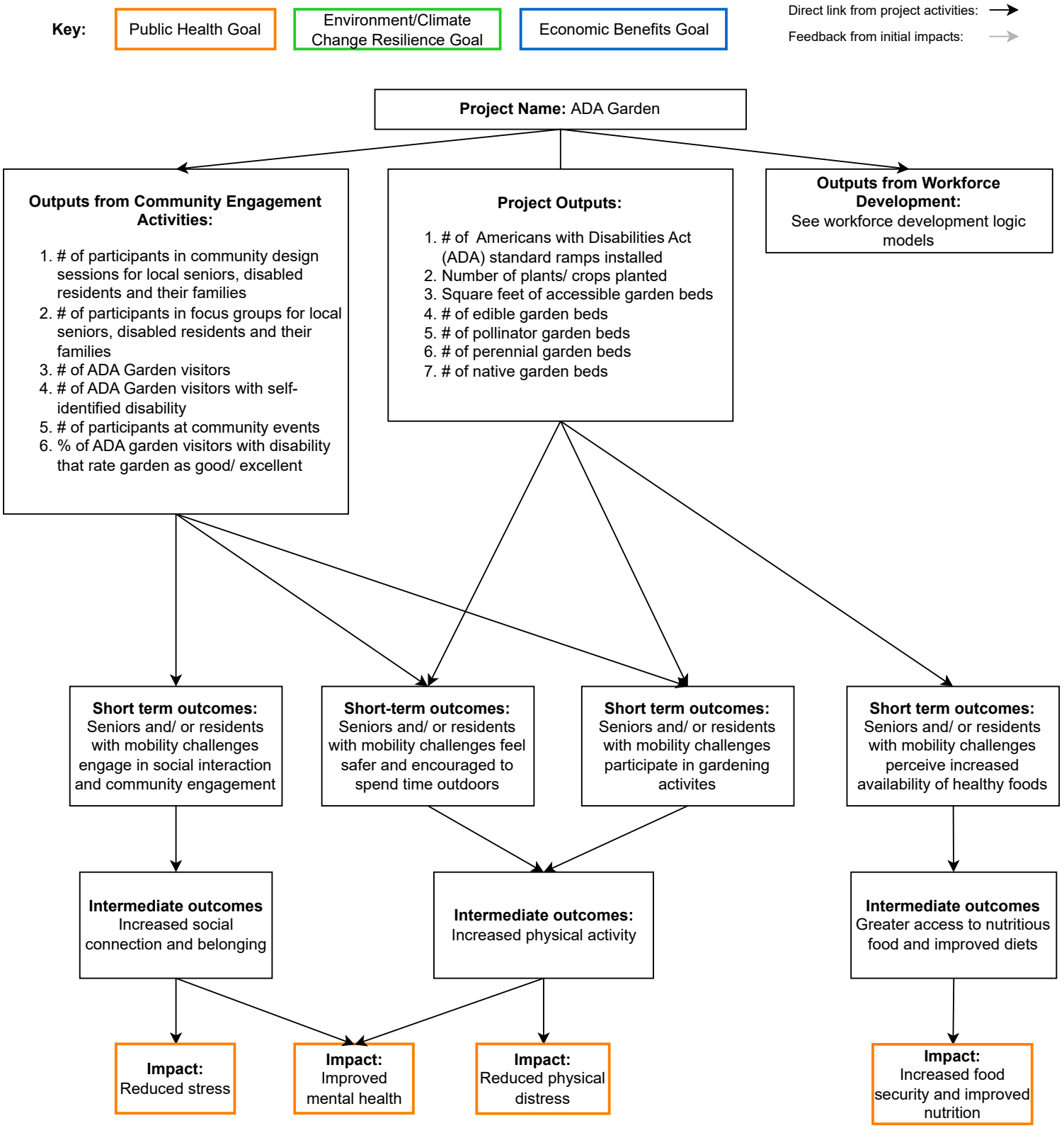
Using interviews, focus groups and a brief questionnaire, the UCB team and Urban Tilth will aim to capture whether and how the Garden might be supporting the well-being of users, reducing their vulnerability and increasing their resilience.

Project Level Indicators

Project: ADA Accessible Garden
Lead Entity: Urban Tilth
Strategy: Health and Well-Being

Indicator	Data Source / Lead	Reporting Timeline
Built Environment		
# of American Disabilities Act (ADA) standard ramps installed	Urban Tilth	Post implementation
# of plants/crops planted		
Square feet of accessible beds		
# of edible garden beds		
# of pollinator garden beds		
# of perennial garden beds		
# of native garden beds		
Community Outreach and Engagement		
# of participants in community design sessions for local seniors, disabled residents & their families	Urban Tilth	Annually
# of participants in focus groups for local seniors, disabled residents & their families		
# of ADA Garden visitors		Bi-Monthly
# ADA garden visitors with self-identified disability		
# of participants at community events		
% of ADA garden visitors with disability that rate garden as good/excellent		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: ADA Garden
Outputs from Community Engagement Activities:
1. # of participants in community design sessions for local seniors, disabled residents and their families
2. # of participants in focus groups for local seniors, disabled residents and their families
3. # of ADA Garden visitors
4. # of ADA Garden visitors with self-identified disability
5. # of participants at community events
6. % of ADA garden visitors with disability that rate garden as good/ excellent
Project Outputs:
1. # of Americans with Disabilities Act (ADA) standard ramps installed
2. Number of plants/ crops planted
3. Square feet of accessible garden beds
4. # of edible garden beds
5. # of pollinator garden beds
6. # of perennial garden beds
7. # of native garden beds
Outputs from Workforce Development:
See workforce development logic models
Short term outcomes:
Seniors and/ or residents with mobility challenges engage in social interaction and community engagement
Short-term outcomes:
Seniors and/ or residents with mobility challenges feel safer and encouraged to spend time outdoors
Short term outcomes:
Seniors and/ or residents with mobility challenges participate in gardening activites
Short term outcomes:
Seniors and/ or residents with mobility challenges perceive increased availability of healthy foods
Intermediate outcomes
Increased social connection and belonging
Intermediate outcomes:
Increased physical activity
Intermediate outcomes
Greater access to nutritious food and improved diets
Impact:
Reduced stress
Impact:
Improved mental health
Impact:
Reduced physical distress
Impact:
Increased food security and improved nutrition

8. ORCHARD FOR ALL!

Orchard for ALL! will establish a distributed fruit tree orchard throughout the TCC Project Area. The project will be coordinated by Urban Tilth and linked to the other greening and tree planting initiatives of Richmond Rising. The project that will create a community orchard, using hundreds of Richmond backyards to increase access to healthy, delicious fruit for families who struggle with food insecurity. More specifically, Orchard for All! will expand an annual Free Fruit Tree Giveaway to 400 trees per year (2000 trees total) with a goal of outreaching to 1,000 households.

As part of this project, youth ages 16-24 will be trained and employed via the Gleaners Program. Gleaning is the act of collecting excess fresh foods from farms, gardens, trees, markets, or any other sources in order to provide it to those in need. Gleaning can help foster strong local community food systems & provide vital resources to families and the nonprofits that are committed to ending hunger and food insecurity. The trained youth will care for fruit trees, harvest fruit, and redistribute it to families in need through Urban Tilth's free farm stands and free CSA programs.

The youth will also learn botany, biology, and morphology of fruit trees and fruit tree care, including integrated pest management approach (IPM), culling, harvesting and safe tools usage. This project aims to uplift Project Area youth through employment training and opportunities and to grow their civic engagement within their community.

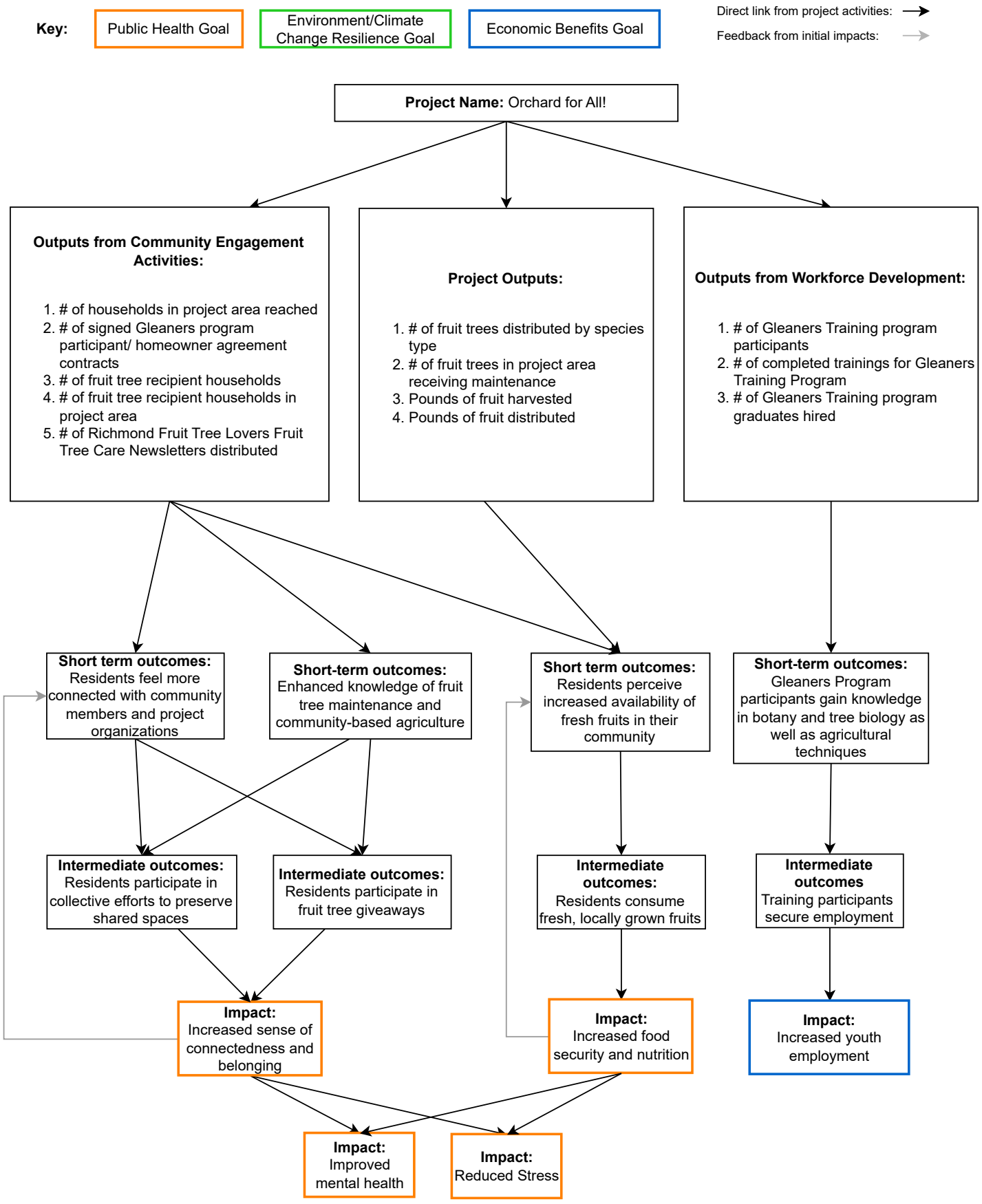
Urban Tilth will capture the development and implementation of the Gleaners Program, including the number of participants, completed trainings, and program graduates hired. In addition, Gleaners Program participants' activities related to tree maintenance will be captured such as the number of households receiving tree maintenance and pounds of fruit harvested and distributed. Urban Tilth will also document the number and species of trees distributed To capture community engagement data, Urban Tilth will track outreach conducted for fruit tree giveaways including the number of fruit tree giveaway events and attendees at these events.

Project Level Indicators

Project: Orchard for All!
Lead Entity: Urban Tilth
Strategy: Health and Well-Being

Indicator	Data Source / Lead	Reporting Timeline
Workforce Development		
# of Gleaners Training program participants	Urban Tilth	Annually
# of completed trainings for Gleaners Training Program		
# of Gleaners Training program graduates hired		
Community Engagement and Outreach		
# households in project area reached	Urban Tilth	Bi-Monthly
# of signed Gleaners program participant/home-owner agreement contracts		
# of fruit tree recipient households		Bi-Monthly
# of fruit tree recipient households in project area		
# of fruit trees distributed, by species type		Annually
# trees in project area receiving maintenance		
Pounds of fruit harvested		
Pounds of fruit distributed		
# of Richmond Fruit Tree Lovers Fruit Tree Care Newsletters disseminated		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Orchard for All!
Outputs from Community Engagement Activities:
1. # of households in project area reached
2. # of signed Gleaners program participant/ homeowner agreement contracts
3. # of fruit tree recipient households
4. # of fruit tree recipient households in project area
5. # of Richmond Fruit Tree Lovers Fruit Tree Care Newsletters distributed
Project Outputs:
1. # of fruit trees distributed by species type
2. # of fruit trees in project area receiving maintenance
3. Pounds of fruit harvested
4. Pounds of fruit distributed
Outputs from Workforce Development:
1. # of Gleaners Training program participants
2. # of completed trainings for Gleaners Training Program
3. # of Gleaners Training program graduates hired
Short term outcomes: Residents feel more connected with community members and project organizations
Short-term outcomes: Enhanced knowledge of fruit tree maintenance and community-based agriculture
Short term outcomes: Residents perceive increased availability of fresh fruits in their community
Short-term outcomes: Gleaners Program participants gain knowledge in botany and tree biology as well as agricultural techniques
Intermediate outcomes: Residents participate in collective efforts to preserve shared spaces
Intermediate outcomes: Residents participate in fruit tree giveaways
Intermediate outcomes: Residents consume fresh, locally grown fruits
Intermediate outcomes Training participants secure employment
Impact: Increased sense of connectedness and belonging
Impact: Increased food security and nutrition
Impact: Increased youth employment
Impact: Improved mental health
Impact: Reduced Stress

9. VEGGIE RX

Veggie Rx is a 'food as medicine' project that partners Urban Tilth with LifeLong Medical Center & Contra Costa Health Plan (CCHP). The project consists of two inter-related initiatives. The first is called Veggie Rx, and this where a LifeLong clinician writes a 'script' for weekly fruits and vegetables for diabetic, overweight & other patients identified as benefiting themselves and their families from a change in diet. All Veggie Rx patients are supported by CalAim and receive boxes of vegetables grown locally and supplied by Urban Tilth. The program lasts at least 12 months with re-referrals every 3 months if medically necessary. Patients must also participate in the HEAT (Healthy Cooking and Eating) Clinic, a weekly, family-centered group which aims to improve parent and childhood nutrition and reduce the burdens of diet-related chronic diseases. The HEAT program will expand to include non-inflammatory, climate-friendly diets.

A second project will 'Train the Trainer' by enrolling Community Health Workers to learn about Climate-friendly diets and how the overall Richmond Rising projects are contributing to community health equity. This is a 6-week training that includes an overview of Richmond Rising, how Community Health Promoters can act as Climate Health Promoters, Eating for Resilience, group cooking class facilitation, parks and health, and neighborhood resilience and health.

The number of food boxes distributed, the amount of produced distributed, and the number of patients enrolled in the Veggie Rx/HEAT program will be measured by Urban Tilth and LifeLong. The overall number of participants in HEAT & the Climate Health Promoters trainings will also be tracked, as well as those that complete the trainings.

The UCB team along with Urban Tilth and LifeLong will support additional survey data and qualitative data about each program. The group will ask participants in each program about new knowledge gained, new cooking/eating habits, self-rated health before and after as well as self-described food security before and after.

Project Level Indicators

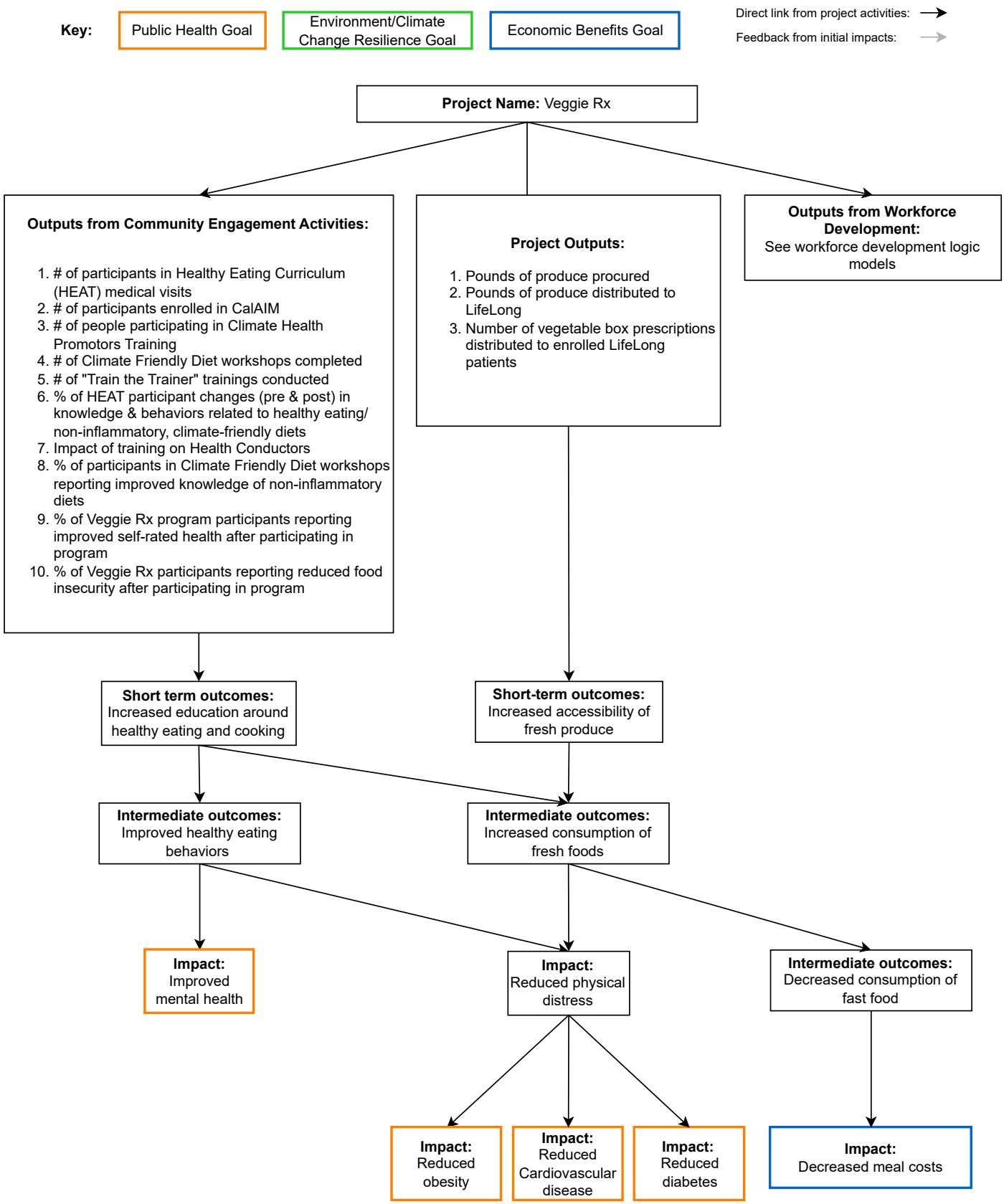
Project: Veggie RX

Lead Entity: Urban Tilth

Strategy: Health and Well-Being

Indicator	Data Source / Lead	Reporting Timeline
Program Engagement		
Pounds of produce procured	Urban Tilth	Annually
Pounds of produce distributed to LifeLong		
# of vegetable box prescriptions distributed to enrolled Lifelong patients	Urban Tilth / Lifelong	
Community Engagement and Outreach		
# of participants in Healthy Eating Curriculum (HEAT) medical visits	Lifelong	Bi-monthly
# participants enrolled in CalAIM		
# people participating in Climate Health Promoters Training		
# of people graduating from the Climate Health Promoters Training		
# of Climate Friendly Diet workshops completed	Urban Tilth / Lifelong	Bi-monthly
# of people trained through the “Train the Trainer” program		
Impact		
% of HEAT participants changes (pre and post) in knowledge & behaviors related to healthy eating/ non-inflammatory, climate friendly diets	LifeLong / UCB	Annually
Impact of training on Health Conductors		
% of participants in Climate Friendly Diet workshops report improved knowledge of non-inflammatory diets		
% of participants in Climate Friendly Diet workshops report improved knowledge of non-inflammatory diets		
% of Veggie Rx program participants report improved self-rated health after participating in program		
% of Veggie Rx participants report reduced food insecurity after participating in program		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: Veggie Rx
Outputs from Community Engagement Activities:
1. # of participants in Healthy Eating Curriculum (HEAT) medical visits
2. # of participants enrolled in CalAIM
3. # of people participating in Climate Health Promotors Training
4. # of Climate Friendly Diet workshops completed
5. # of "Train the Trainer" trainings conducted
6. % of HEAT participant changes (pre & post) in knowledge & behaviors related to healthy eating/ non-inflammatory, climate-friendly diets
7. Impact of training on Health Conductors
8. % of participants in Climate Friendly Diet workshops reporting improved knowledge of non-inflammatory diets
9. % of Veggie Rx program participants reporting improved self-rated health after participating in program
10. % of Veggie Rx participants reporting reduced food insecurity after participating in program
Project Outputs:
1. Pounds of produce procured
2. Pounds of produce distributed to LifeLong
3. Number of vegetable box prescriptions distributed to enrolled LifeLong patients
Outputs from Workforce Development:
See workforce development logic models
Short term outcomes:
Increased education around healthy eating and cooking
Short-term outcomes:
Increased accessibility of fresh produce
Intermediate outcomes:
Improved healthy eating behaviors
Intermediate outcomes:
Increased consumption of fresh foods
Impact:
Improved mental health
Impact:
Reduced physical distress
Intermediate outcomes:
Decreased consumption of fast food
Impact:
Reduced obesity
Impact:
Reduced Cardiovascular disease
Impact:
Reduced diabetes
Impact:
Decreased meal costs

10. E-BIKE SHARE

The E-Bike Share supports the community's effort to improve Richmond's growing zero-carbon-based transportation infrastructure by expanding the City's current bike share program and infrastructure. The project aims to construct six new bike share access points and introduce seventy new e-bikes. The program will offer residents in the Project Area a free month membership in the e-bike share program, along with ride credits. The goals are to increase the number of e-bike users and reduce vehicle trips in the Project Area and beyond.

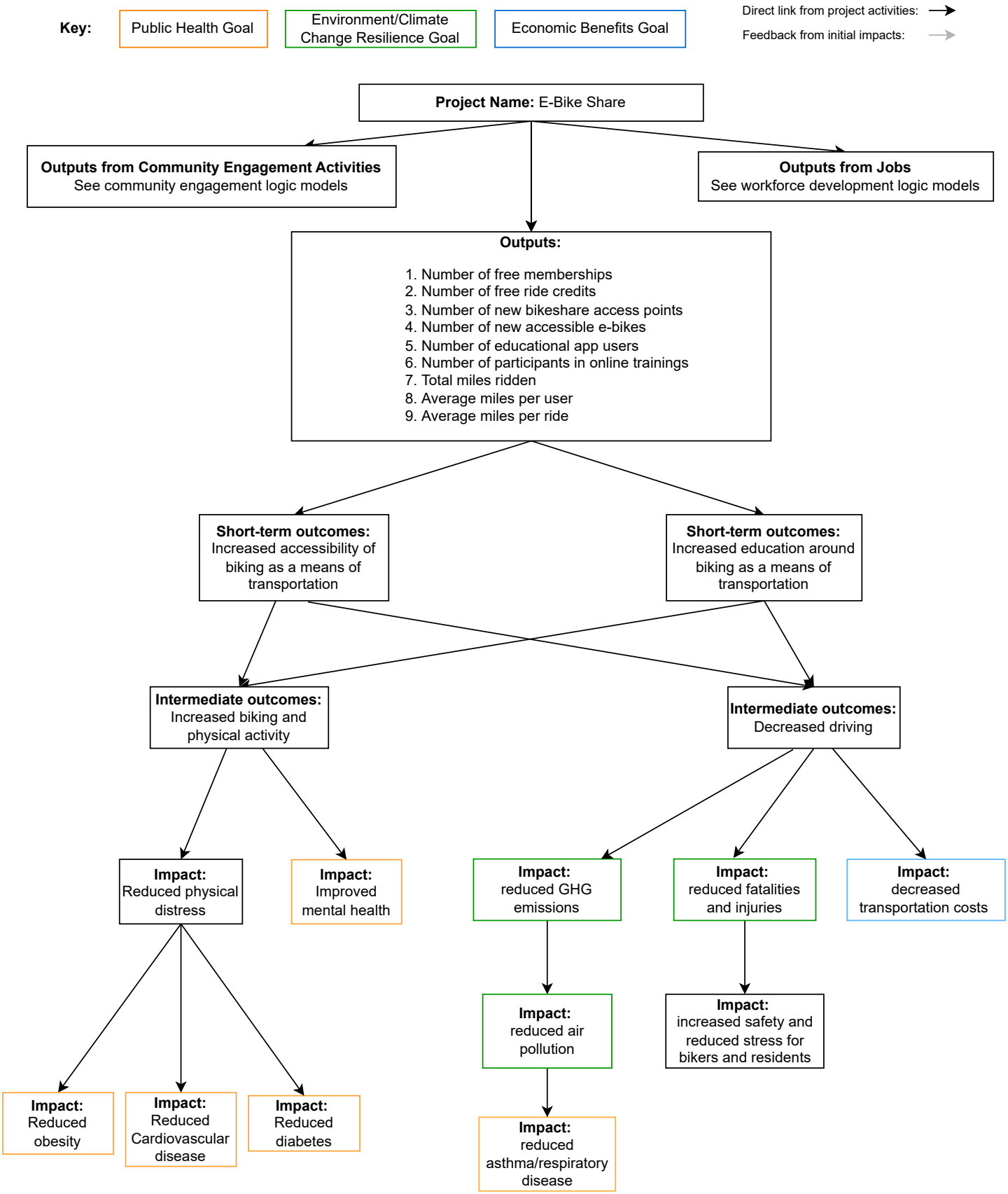
Community engagement will be a central component of the planning and operation of the e-bike share program. The number of events, participants at these events and the other related participation metrics will be captured by the City of Richomond. The number of new e-bike share access points in the Project Area, e-bikes available and residents receiving the incentives will also be tracked.

Project Level Indicators

Project: E-Bike Share
Lead Entity: City of Richmond
Strategy: Car Sharing and Mobility Enhancement

Indicator	Data Source / Lead	Reporting Timeline
Program Engagement		
# of new bike share access points	City of Richmond	Annually
# of e-bikes made available		
# of participants receiving a free month of membership		
# of participants receiving $100 ride credit		
Community Engagement and Outreach		
# of community input sessions	City of Richmond	Bi-monthly
# of community input session participants		
# of in-person community engagements		
# of social media engagements		

Logic Model


Key:
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities:
Feedback from initial impacts:
Project Name: E-Bike Share
Outputs from Community Engagement Activities
See community engagement logic models
Outputs from Jobs
See workforce development logic models
Outputs:
1. Number of free memberships
2. Number of free ride credits
3. Number of new bikeshare access points
4. Number of new accessible e-bikes
5. Number of educational app users
6. Number of participants in online trainings
7. Total miles ridden
8. Average miles per user
9. Average miles per ride
Short-term outcomes: Increased accessibility of biking as a means of transportation
Short-term outcomes: Increased education around biking as a means of transportation
Intermediate outcomes: Increased biking and physical activity
Intermediate outcomes: Decreased driving
Impact: Reduced physical distress
Impact: Improved mental health
Impact: reduced GHG emissions
Impact: reduced fatalities and injuries
Impact: decreased transportation costs
Impact: reduced air pollution
Impact: increased safety and reduced stress for bikers and residents
Impact: Reduced obesity
Impact: Reduced Cardiovascular disease
Impact: Reduced diabetes
Impact: reduced asthma/respiratory disease

COMMUNITY ENGAGEMENT PLAN

The Community Engagement Plan will focus on developing a Youth Fellows Program, an annual, paid fellowship program for Black and Brown Richmond youth. Overseen by Rich City Rides and the City's TCC Coordinator, a group of 15 youth aged 16-24 will be recruited each year and will receive mentorship and training by TCC and community partners. The youth will help lead engagement for all the projects to ensure TCC implementation reflects community needs, and have 2 voting seats in the Collaborative Stakeholder Committee (CSC).

The community engagement plan will also create and launch the Richmond Rising website/Transparent Richmond page and social media accounts to provide project specific engagement and update the community at a minimum of monthly intervals.

The CEP will track the overall number of RR events and participants at these events, noting how many participants are from the project area, those from Richmond generally and those from outside the City. The CEP will also track social media, web site and other means of community outreach and engagement.

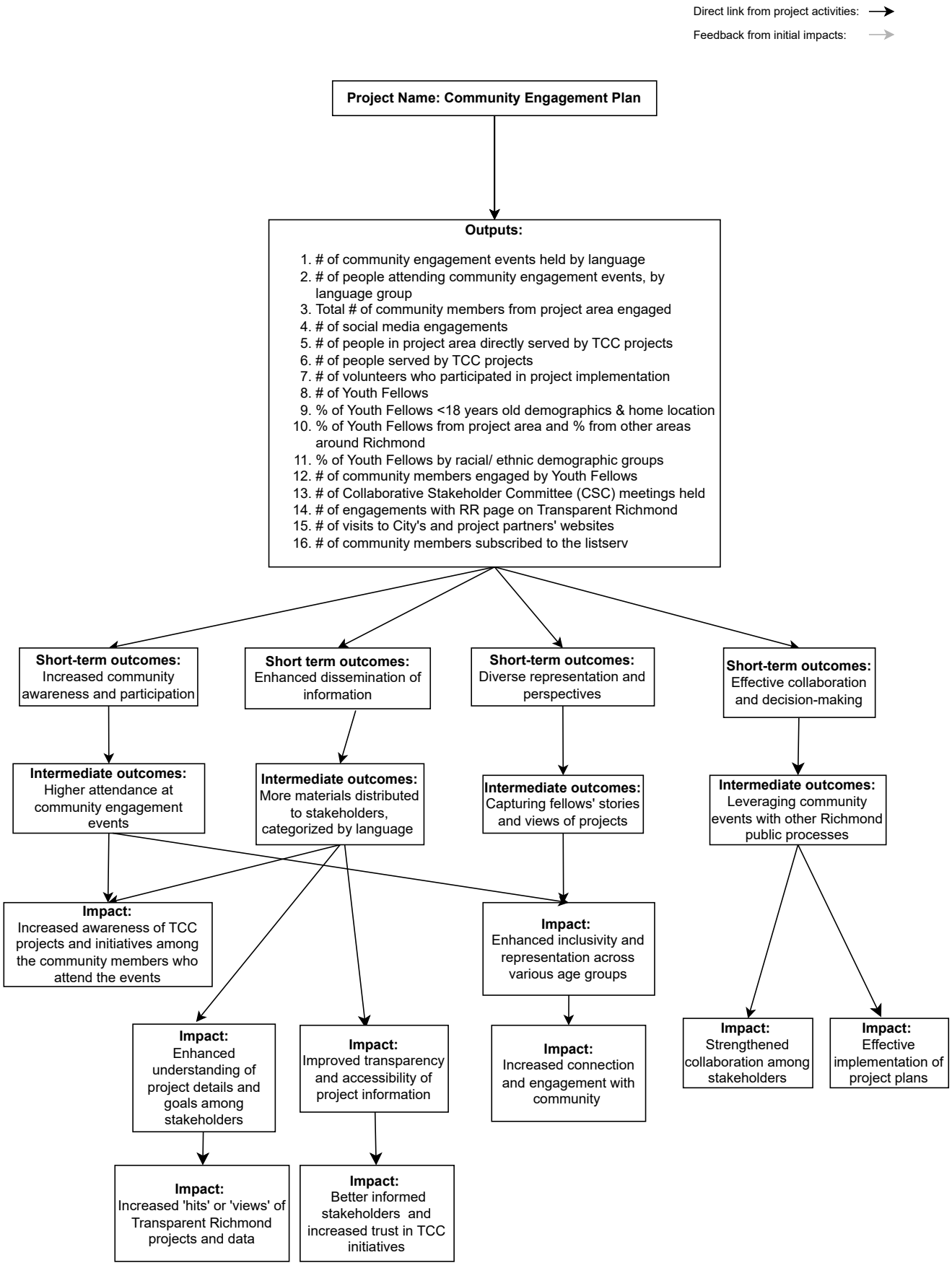
Project Level Indicators

Community Engagement Plan

Lead Entity: City of Richmond

Indicator	Data Source / Lead	Reporting Timeline
# of community events held by language	City of Richmond	Bi-monthly
# of people attending community engagement events, by language group		
total # of community members from project area engaged		
# of social media engagements		
# of people in project area directly served by TCC projects		
# of people served by TCC projects		
# of volunteers who participated in project implementation		
# of Youth Fellows		
% Youth Fellows <18 years old by demographics and neighborhood		
% Youth Fellows from project area & % from other areas in Richmond		
% Youth Fellows by racial/ethnic demographic groups		
# of community members engaged by Youth Fellows		
# of Collaborative Stakeholder Committee (CSC) meetings held		
# of residents attending the CSC meetings		
# of engagements with RR page on Transparent Richmond		
# of visits to City's and project partners' websites		

Logic Model


Direct link from project activities:
Feedback from initial impacts:
Project Name: Community Engagement Plan
Outputs:
1. # of community engagement events held by language
2. # of people attending community engagement events, by language group
3. Total # of community members from project area engaged
4. # of social media engagements
5. # of people in project area directly served by TCC projects
6. # of people served by TCC projects
7. # of volunteers who participated in project implementation
8. # of Youth Fellows
9. % of Youth Fellows <18 years old demographics & home location
10. % of Youth Fellows from project area and % from other areas around Richmond
11. % of Youth Fellows by racial/ ethnic demographic groups
12. # of community members engaged by Youth Fellows
13. # of Collaborative Stakeholder Committee (CSC) meetings held
14. # of engagements with RR page on Transparent Richmond
15. # of visits to City's and project partners' websites
16. # of community members subscribed to the listserv
Short-term outcomes: Increased community awareness and participation
Short term outcomes: Enhanced dissemination of information
Short-term outcomes: Diverse representation and perspectives
Short-term outcomes: Effective collaboration and decision-making
Intermediate outcomes: Higher attendance at community engagement events
Intermediate outcomes: More materials distributed to stakeholders, categorized by language
Intermediate outcomes: Capturing fellows' stories and views of projects
Intermediate outcomes: Leveraging community events with other Richmond public processes
Impact: Increased awareness of TCC projects and initiatives among the community members who attend the events
Impact: Enhanced inclusivity and representation across various age groups
Impact: Enhanced understanding of project details and goals among stakeholders
Impact: Improved transparency and accessibility of project information
Impact: Increased connection and engagement with community
Impact: Strengthened collaboration among stakeholders
Impact: Effective implementation of project plans
Impact: Increased 'hits' or 'views' of Transparent Richmond projects and data
Impact: Better informed stakeholders and increased trust in TCC initiatives

DISPLACEMENT AVOIDANCE PLAN

The Displacement Avoidance Plan (DAP) combines new City policies and programs that aim to close the gaps in City services to ensure residents and businesses have a long-term home in the project area despite improvements afforded through the TCC Grant. This will be achieved through the adoption of a Renter Access Ordinance, Community Land Trust, ADU toolkit, Buy Local Campaign for businesses, and Facade Improvement Pilot Program for businesses. Some indicators of the DAP will be measuring the number the business, including locally owned, in the Project Area at the start of the RR projects and how many of these businesses remain over the five year project. We will track the number of new business permits issued in the project area and provide descriptions of the types of new businesses that have opened. Additionally, we will idenitfy and detail businesses that have remained operational and appear to be thriving. The UCB team and the City will identify a select number of business owners - stratified by type and size - and interview them once each year to get their perceptions about the quality of the business environment and whether or not they think the RR project are having a positive influence on employment and local businesses.

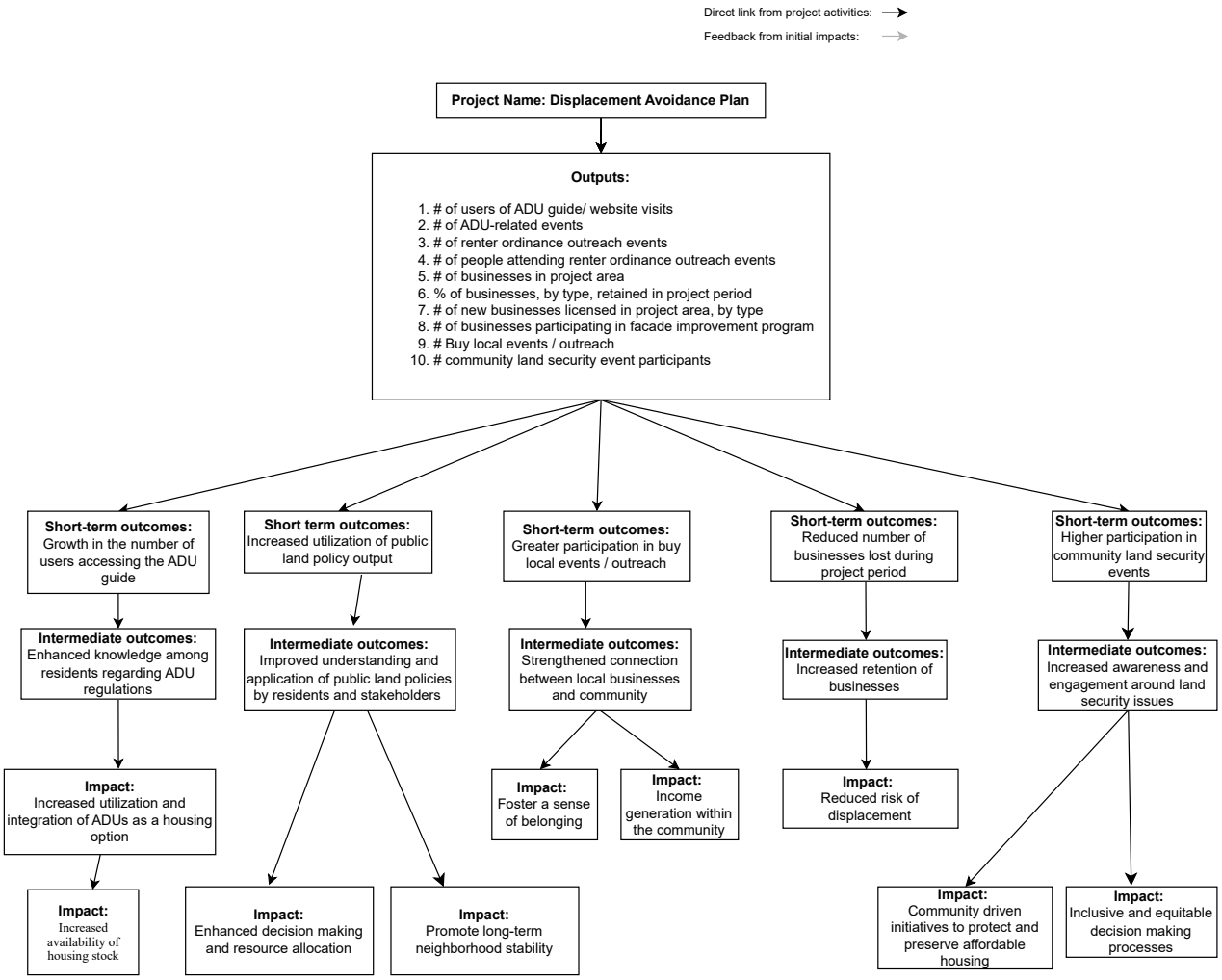
The City of Richmond will track the events related to this project as well as the number of participants.

Project Level Indicators

Displacement Avoidance Plan
Lead Entity: City of Richmond

Indicator	Data Source / Lead	Reporting Timeline
# of visits to ADU guide website	City of Richmond	Annually
# of ADU-related events		
# of renter ordinance outreach events		
# of people attending renter ordinance outreach events		
# of ADUs built using City's pre-approved ADU plans		
# of businesses in project area (2024, estimate is 500 in project area)		
% of business, by type, retained in project period		
# of new businesses licensed in project area, by type		
# of business participating in facade improvement program		
# of Buy Local events/outreach		
# of community land security event participants		

Logic Model


Direct link from project activities:
Feedback from initial impacts:
Project Name: Displacement Avoidance Plan
Outputs:
1. # of users of ADU guide/ website visits
2. # of ADU-related events
3. # of renter ordinance outreach events
4. # of people attending renter ordinance outreach events
5. # of businesses in project area
6. % of businesses, by type, retained in project period
7. # of new businesses licensed in project area, by type
8. # of businesses participating in facade improvement program
9. # Buy local events / outreach
10. # community land security event participants
Short-term outcomes: Growth in the number of users accessing the ADU guide
Short term outcomes: Increased utilization of public land policy output
Short-term outcomes: Greater participation in buy local events / outreach
Short-term outcomes: Reduced number of businesses lost during project period
Short-term outcomes: Higher participation in community land security events
Intermediate outcomes: Enhanced knowledge among residents regarding ADU regulations
Intermediate outcomes: Improved understanding and application of public land policies by residents and stakeholders
Intermediate outcomes: Strengthened connection between local businesses and community
Intermediate outcomes: Increased retention of businesses
Intermediate outcomes: Increased awareness and engagement around land security issues
Impact: Increased utilization and integration of ADUs as a housing option
Impact: Foster a sense of belonging
Impact: Income generation within the community
Impact: Reduced risk of displacement
Impact: Increased availability of housing stock
Impact: Enhanced decision making and resource allocation
Impact: Promote long-term neighborhood stability
Impact: Community driven initiatives to protect and preserve affordable housing
Impact: Inclusive and equitable decision making processes

WORKFORCE DEVELOPMENT & ECONOMIC OPPORTUNITIES PLAN

The Richmond Workforce Development & Economic Opportunities Program (WDEOP) will focus on job readiness, employment creation and green-blue collar jobs for those within the project area and in Richmond more generally.

The WDEOP will support the Richmond-BUILD project and other project partners investing in green job training and placements. Project area residents will be trained for jobs installing solar PV, home energy weatherization, and related clean energy career pathways.

The City of Richmond will track recruitment and employment events sponsored by RR as well as the number of participants from the project area and those from other parts of Richmond. The City will also track the overall number of jobs created - both full and part-time - as well as their wage/salary ranges, by the different RR projects. The number of residents from the project area trained in job-readiness, the number of trainees placed in jobs and the number of living wage/union job placements will also be tracked.

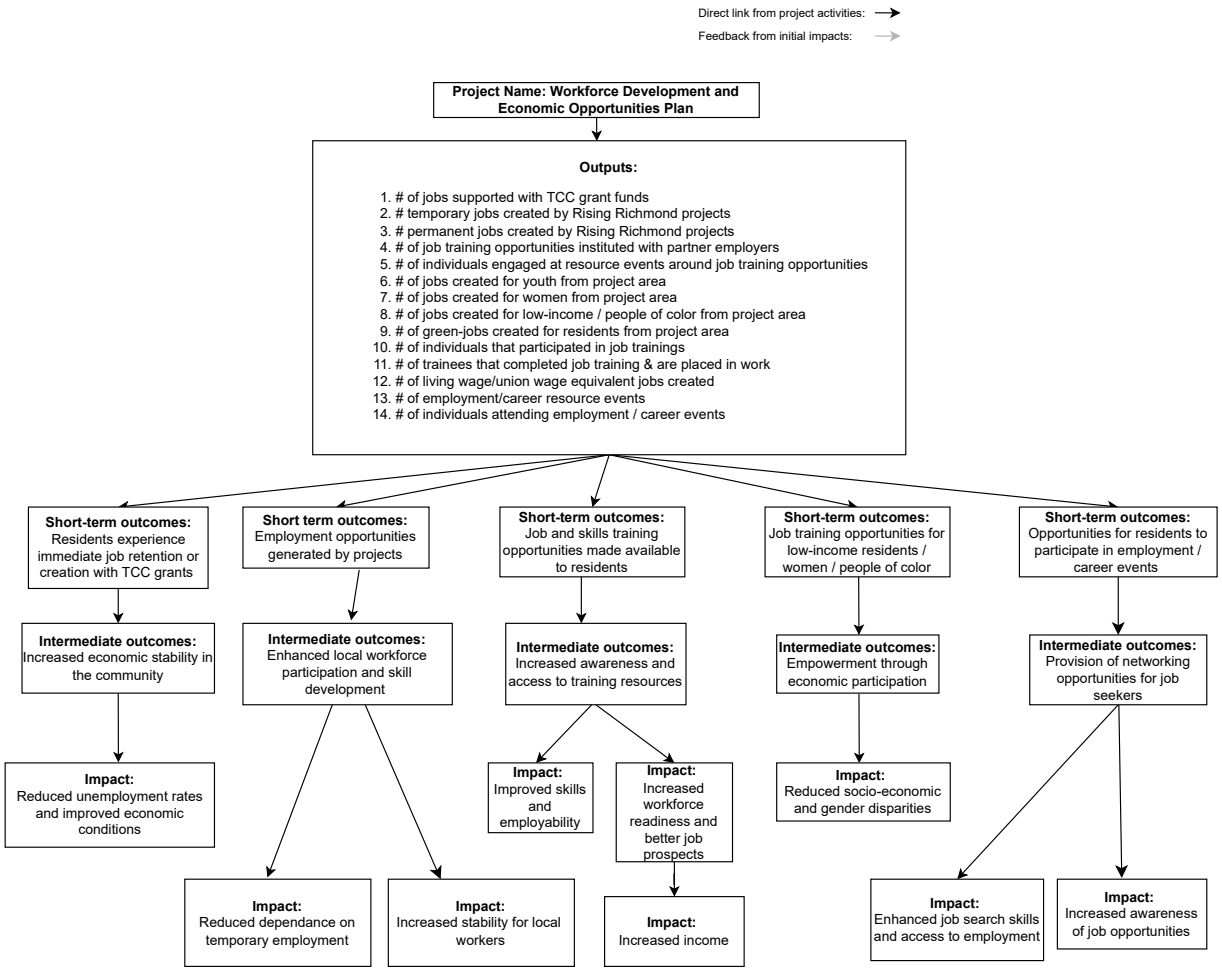
A key indicator of climate resilience is economic stability for individuals and households. This project aims to support more gainful employment for Richmond youth and residents as well as to build upon the City's already successful track-record of creating green jobs for vulnerable youth and their families.

Project Level Indicators

Workforce Development and Economic Opportunities Plan
Lead Entity: City of Richmond

Indicator	Data Source / Lead	Reporting Timeline
# of jobs supported with TCC grant funds	City of Richmond	Annually
# of temporary jobs created by RR projects		
# of permanent jobs created by RR projects		
# of job training opportunities instituted with partner employers		
# of individuals engaged at resource events around job training opportunities		
# of jobs created for youth from project area		
# of jobs created for women from project area		
# of jobs created for low-income/people of color from project area		
# of green-jobs created for residents from project area		
# of individuals that participate in job trainings		
# of trainees that completed job training & are placed in work		
# of living wage/union wage equivalent jobs created		
# of employment/career resource events		
# individuals attending employment/career events		

Logic Model


Direct link from project activities:
Feedback from initial impacts:
Project Name: Workforce Development and Economic Opportunities Plan
Outputs:
1. # of jobs supported with TCC grant funds
2. # temporary jobs created by Rising Richmond projects
3. # permanent jobs created by Rising Richmond projects
4. # of job training opportunities instituted with partner employers
5. # of individuals engaged at resource events around job training opportunities
6. # of jobs created for youth from project area
7. # of jobs created for women from project area
8. # of jobs created for low-income / people of color from project area
9. # of green-jobs created for residents from project area
10. # of individuals that participated in job trainings
11. # of trainees that completed job training & are placed in work
12. # of living wage/union wage equivalent jobs created
13. # of employment/career resource events
14. # of individuals attending employment / career events
Short-term outcomes: Residents experience immediate job retention or creation with TCC grants
Short term outcomes: Employment opportunities generated by projects
Short-term outcomes: Job and skills training opportunities made available to residents
Short-term outcomes: Job training opportunities for low-income residents / women / people of color
Short-term outcomes: Opportunities for residents to participate in employment / career events
Intermediate outcomes: Increased economic stability in the community
Intermediate outcomes: Enhanced local workforce participation and skill development
Intermediate outcomes: Increased awareness and access to training resources
Intermediate outcomes: Empowerment through economic participation
Intermediate outcomes: Provision of networking opportunities for job seekers
Impact: Reduced unemployment rates and improved economic conditions
Impact: Reduced dependance on temporary employment
Impact: Increased stability for local workers
Impact: Improved skills and employability
Impact: Increased workforce readiness and better job prospects
Impact: Increased income
Impact: Reduced socio-economic and gender disparities
Impact: Enhanced job search skills and access to employment
Impact: Increased awareness of job opportunities

TIMING & REPORTING OF DATA COLLECTION

Evaluation & Indicator Tasks & Reporting Timeline						
	2024-5	**2025-6**	**2026-7**	**2027-8**	**2028-9**	**Final report**
ACS, RCS & health data						
Project-level progress reports on indicators		x	x	x	x	
Community Engagement stories	x				x	x
Workforce Development stories		x			x	x
Conduct displacement avoidance interviews and focus groups					x	x
Workforce Development interviews & focus groups					x	x
Conduct community engagement interviews and focus groups					x	x
Case studies	x	x	x	x	x	
CARB measures	x	x	x	x	x	x

COMMUNICATING FINDINGS

The Evaluation and Indicator Tracking Team will communicate findings annually through a policy brief and powerpoint presentation. A report will be shared with the City of Richmond, all implementing partners, the SGC and released publicly. A final report will also be drafted.

Key Project Indicators (KPIs) will be shared, when available, on the City's, Transparent Richmond web site. This web site is managed by the City of Richmond and already houses some of the data and indicators relevant for the RR evaluation and tracking. Transparent Richmond will be updated to also host the case studies, which will include images, videos and other qualitative data. Some of the case studies and policy brief data will be shared on the Richmond Rising web site, https://richmondrisingca.org/