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Center for
GLOBAL HEALTHY CITIES

RICHMOND RISING

Year 1 Evaluation Report

August 2023 - July 2024

January 2025

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Acknowledgements

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. However, its production was a collaborative effort involving all Richmond Rising partners. The City of Richmond provided valuable guidance and inputs, particularly for projects focused on community engagement, workforce development, housing displacement prevention, e-bike lending, and complete streets, all of which were made possible through the City's input.

Community partner organizations played an instrumental role in developing the Richmond Rising data collection and indicator tracking tool, which allowed the evaluation team to measure progress across the project area. We are grateful to the all Richmond Rising partners for their enthusiasm and willingness to collaboratively and iteratively develop an evaluation strategy that accurately represents their efforts. Although the report delves into the technical details of the analytical methods later on, we want to emphasize that this report was a collaborative endeavor from the very beginning, made possible by the invaluable expertise and guidance of our community partners.

That said, the researchers at the UC Berkeley Center for Global Healthy Cities take full responsibility for the report's contents. 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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Key Findings

In the first year of the Richmond Rising project, many significant accomplishments were achieved. It is important to note that several of the projects discussed in the report underwent an initial start-up phase during the fall of 2023, during which work plans were finalized, contracts were completed, and new staff were hired. As a result, most of the accomplishments and impacts highlighted in the Richmond Rising Year 1 Evaluation took place during the second half of the project year (February 2024–August 2024). Despite this relatively short time frame, the Richmond Rising projects achieved a range of accomplishments across multiple climate justice and community resilience areas:

Urban Greening and Green Infrastructure

- Planted 76 trees and distributed 400 fruit trees to local residents.
- Sequestered 568 metric tons of carbon dioxide equivalent (MTCO2e).
- Removed 247 pounds of nitrous oxide (NOx) and 15 pounds of PM2.5 from the ambient air.

Electric Bicycle Share Programs

- 70 e-bikes introduced in the community for public use.
- Installed 8 new e-bike hubs.
- Distributed over $50,000 of vouchers to Project Area residents.

Solar Installation and Energy Efficiency

- Provided free solar energy installations for 6 low-income households.
- Funded 8 new full or part-time jobs, including roles within city and community-based organizations.

Water-Energy Efficiency Installations

- Installed water-saving and efficiency systems in 14 low-income households.

Health Equity and Well-Being Projects

- Delivered 3,363 Veggie Rx boxes to families.
- Led 524 Health, Education, and Training medical visits.
- Trained 28 community members as Climate Health Promoters.

Community Engagement

- Hosted 8 Collaborative Stakeholder Committee (CSC) meetings and conducted outreach at 19 community events.
- Completed a participatory design process for the Universal Access Community Garden.
- Engaged 9,351 community members through CSC meetings and 19 community attended for outreach purposes.

This report summarizes accomplishments of the first year of the Richmond Rising, Transformative Climate Communities (TCC) projects and some of the influences and impacts they are having on climate change mitigation, adaptation and community resilience. The evaluation report builds on the frameworks established in the Evaluation and Indicator Tracking Plan (2024).

Evaluation Framework and Strategy

The evaluation process, detailed in the Evaluation and Indicator Tracking Plan (2024), was collaboratively developed by the UC Berkeley evaluation team, Grantee, and Project Leads. As part of the collaborative evaluation approach, we aim to:

- **Monitor project activities, track inter-project progress, and help ensure timely completion of grant milestones;**
- **Document changes in built environment and infrastructure in the Project Area;**
- **Measure overall contributions to Project Area transformation using baseline data as the reference.**

This participatory process resulted in a set of indicator measures that project partners committed to tracking during the duration of the project. Project specific indicators agreed upon at baseline can be found in Section 3 of the Evaluation and Indicator Tracking Plan (2024). In this report, we present the data and information that has been gathered during Year 1 of project implementation. The evaluation unfolded in two key stages:

Stage I: Data Infrastructure Development

Richmond Rising brings together diverse local organizations, each with established reporting systems. To streamline data collection, the evaluation team took the following measures:

- Assessed existing organizational data collection processes;
- Created integrated tracking tools that complemented existing operations;
- Developed centralized Excel-based reporting system for project partners to report on indicator measures.

Stage II: Participatory Refinement

Acknowledging that projects evolve as implementation unfolds, the evaluation team engaged in a secondary round of participatory indicator tracking refinement to ensure the tracking measures would more accurately capture the projects' progress. In order to do so, the evaluation team:

- Conducted a collaborative review of indicator tables;
- Modified indicators as needed based on real-world implementation learnings.

Beyond data collection, the evaluation team actively participated in project activities by maintaining monthly participation in Collaborative Stakeholder Meetings (CSC), conducting project site visits, and attending event programming. This hands-on approach enabled the team to witness Richmond Rising's impact firsthand and understand both challenges and successes from our project partners' perspectives.

Report Structure

This report presents Year One findings in the following sections:

I. **Background:** A brief introduction to the key elements of Richmond Rising.
II. **Year One Achievements & Influences:** Syntheses of achievements across all projects
III. **California Air Resources Board (CARB) Analyses:** Calculations of greenhouse gas reductions & other air pollution benefits
IV. **Case Studies:** A more detailed profile of the Veggie Rx and Universally Accessible Garden projects.
V. **Project-Level Indicators & Outputs**: Detailed progress tracking and key accomplishments

SECTION I

BACKGROUND

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?

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. 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, or CalEnviroScreen, 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

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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.

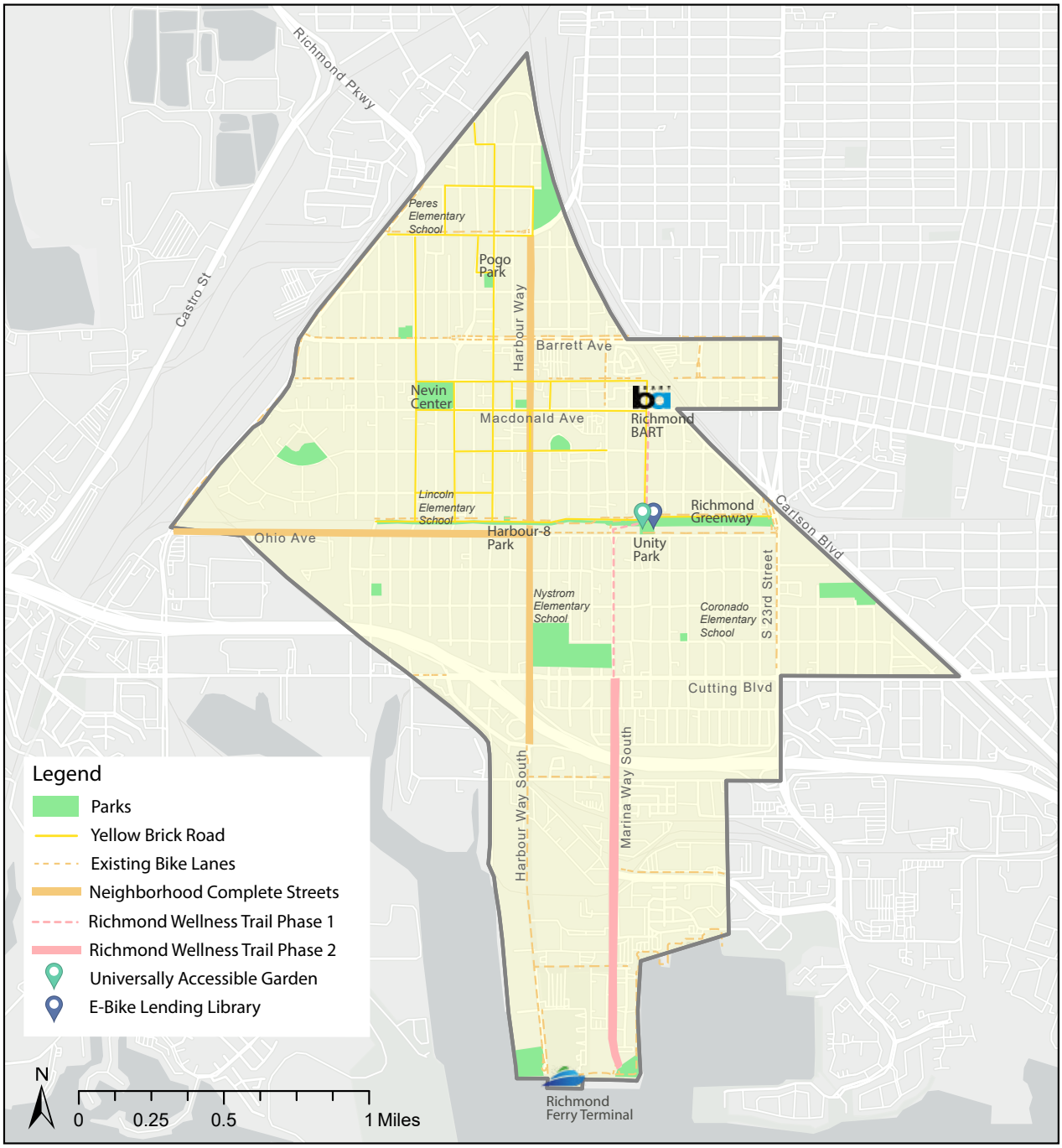
Absorbing

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 Project Area Map



County of Marin, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA

Project Descriptions

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 Universally 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 Medical Care & 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.

Goals and Objectives

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

SECTION II

YEAR ONE ACHIEVEMENTS & INFLUENCES

First Year Progress: Targets

As project activities began, Year One was characterized by varying rhythms of progress across projects. While some projects moved swiftly into full implementation, others focused on thoughtful design and community engagement—laying crucial groundwork for the years ahead. Notably, tree planting activities, photovoltaic and water efficiency installations for low-income families, and distribution of locally grown fruits and vegetables have successfully begun.

	Overall Target	Year 1 Accomplishment
	***250*** low-income households receiving solar installations	***6*** low-income households receiving solar installations
	***875 KW*** of solar photovoltaic systems installed	***20.4 KW*** of solar photovoltaic systems installed
	***120*** low-income households receiving water efficiency installations	***14*** low-income households receiving water efficiency installations
	***1000*** trees planted	***76*** trees planted
	***2000*** fruit trees given away to local residents	***400*** fruit trees given away to local residents
	***120*** introduced in the community for public use	***70*** introduced in the community for public use
	***6*** new electric bike share access points	***8*** new electric bike share access points
	***200+*** vegetable box prescriptions distributed per week	***73*** vegetable box prescriptions distributed per week on average
	***2*** miles of protected cycle tracks and shared pedestrian routes	***0*** miles of protected cycle tracks and shared pedestrian routes

End of Project Outcomes & Impacts

At this stage in the evaluation process, it is too early to update the baseline projections with measurable impacts. The projections presented here align with those outlined in the Indicator Tracking Plan and will be revisited and updated in future reports as more data becomes available.

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

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

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

75% increase in good or excellent self-reported health

50% increase in urban forest tree canopy

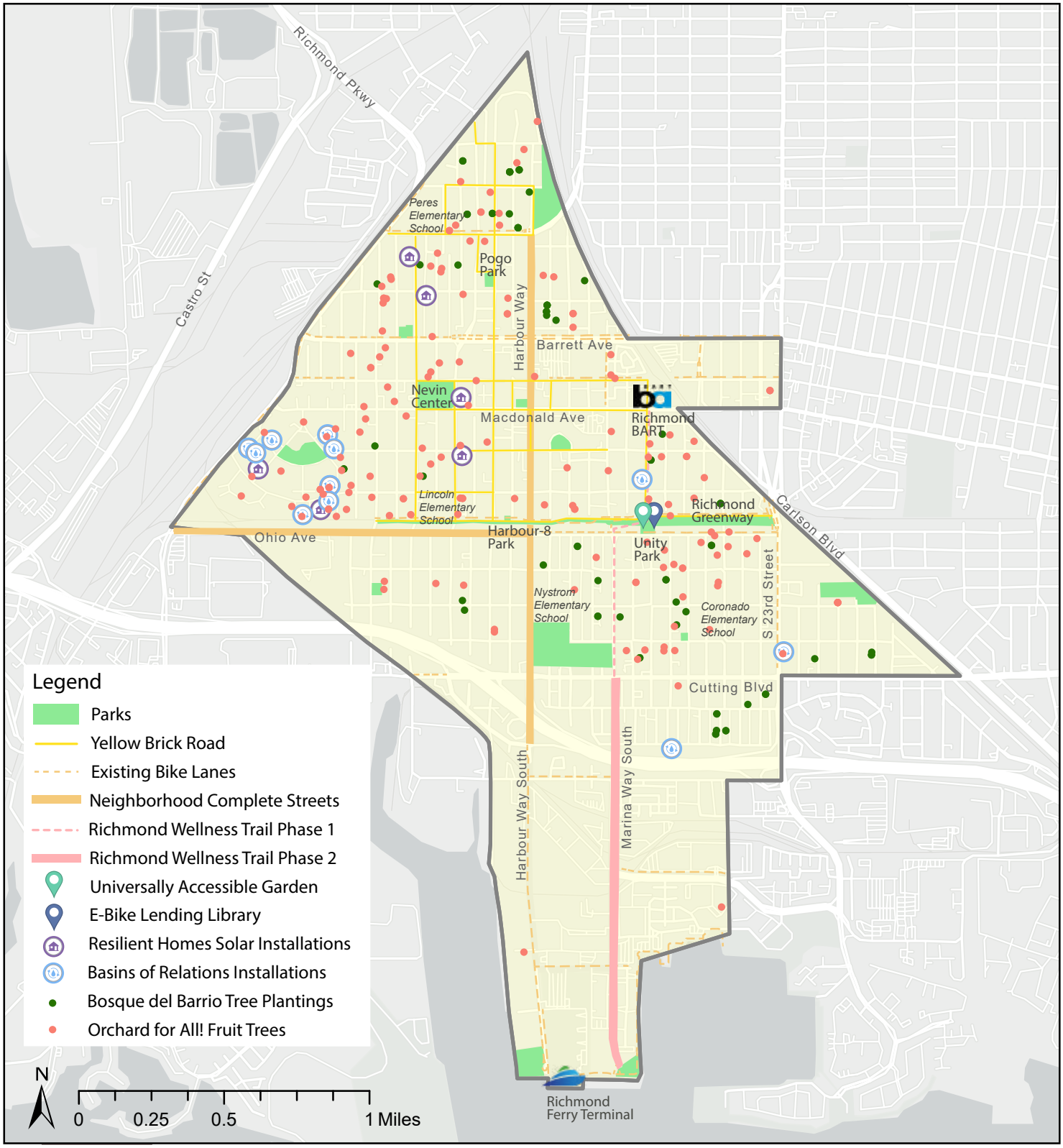
up to ***100*** direct and indirect jobs created

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

Locations of Year One Accomplishments

The map below displays the cumulative accomplishments that have been achieved during Year 1. The map includes major landmarks in the Project Area, such as the BART station and Ferry Terminal, as well as parks and local arteries such as the Yellow Brick Road. Proposed Richmond Rising infrastructure, such as the Richmond Wellness Trail, is also highlighted.



SECTION III

CALIFORNIA AIR RESOURCES BOARD (CARB) ANALYSES

Greenhouse Gas & Air Pollution Influences

Using the required California Air Resources Board (CARB) modeling tools, we estimated the Year 1 influences from tree planting and energy efficiency projects. The CARB tools are used to quantify the estimated greenhouse gas (GHG) emission and air pollution reductions from project outputs. The table below outlines the Richmond Rising projects that will utilize CARB tools to estimate their GHG reductions & co-benefits. In Year 1, we could only input modeling data from two projects that made progress toward implementation: Bosque del Barrio and Resilient Homes.

Table 1: CARB Tools and Required Inputs.

CARB Tool	CARB Tool Section	TCC Projects	Required Inputs
CNRA Urban Greening Benefits Calculator	Tree Planting - ITS (i-Tree Streets)	Bosque del Barrio	**Third Party Tool: i-Tree Streets** • Inventory of trees to be planted • Year of project start • Climate zone • Species of trees • Tree DBH 40 years after project start
Affordable Housing and Sustainable Communities (AHSC)	Solar PV Inputs	Resilient Homes	**Third-Party Tool: PVWatts Calculator** • Zip code • DC system size (kW) • Module type • Array type
	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)

Urban Tree Canopy

Benefits and Goals

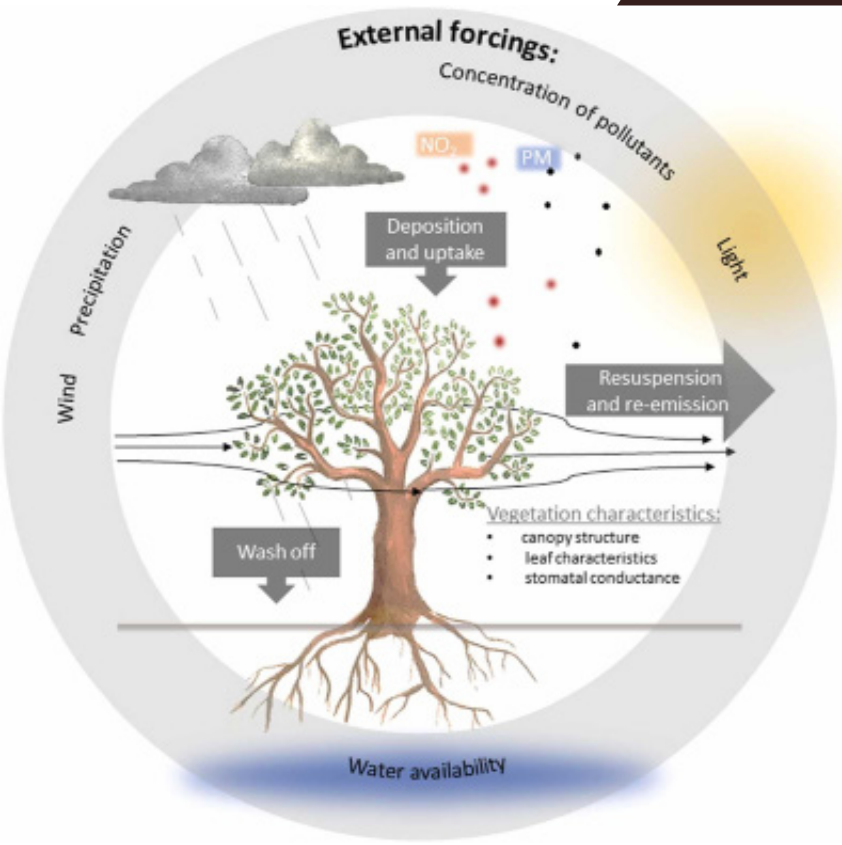
Increasing tree canopy coverage in urban areas through tree planting has various benefits, including removal of greenhouse gasses, removal of local air pollutants, storm water mitigation, noise abatement, mental health, biodiversity & cooling/thermal comfort. While various targets for urban tree canopy coverage have been set forth over the last several decades, with 40% being a widely accepted target, the most recent research has found that tree canopy targets should follow a more nuanced approach based on the context of the urban environment being considered. Tree canopy coverage goals should take into account various factors including the urban area's development density, land use patterns, local ordinances, and local climate.

Reducing Pollution & Climate Change Emissions

Urban trees & vegetation - often called **green infrastructure** - can help reduce local air pollution and mitigate climate change forcing emissions, such as carbon dioxide (CO2). Urban trees can help mitigate climate change by storing carbon in tree tissue and sequestering atmospheric carbon. As a tree grows, it stores more carbon by holding it in its accumulated tissue. The amount of carbon annually sequestered is increased with the size and health of the trees.

Trees can improve air quality through a number of means, including by (1) reducing air temperature thus altering pollution concentrations, (2) reducing energy consumption in buildings, which consequently reduces air pollutant emissions from the power sources, and most notably, (3) directly removing particulate pollutants from the air onto the leaf surface (called deposition). Urban forests can also remove polluting gases through direct uptake of gasses (see Figure next page). Wind, temperature, humidity & other factors complicate the amount of pollution vegetation can remove. While transportation emissions is often the greatest source of local air pollution, road dust, brake wear & industry are also sources. Trees can also trap local pollutants, so it is important to carefully plan the placement and type of urban trees/vegetation to optimize their effects on air quality.

Through the Richmond Rising project, we are estimating how the tree canopy and other interventions in carbon dioxide equivalent or CO2e. This means the number of metric tons of CO2 emissions with the same global warming potential as one metric ton of another greenhouse gas. We are also measuring Nitrous Oxides (NOx) and fine particulate matter (PM2.5).



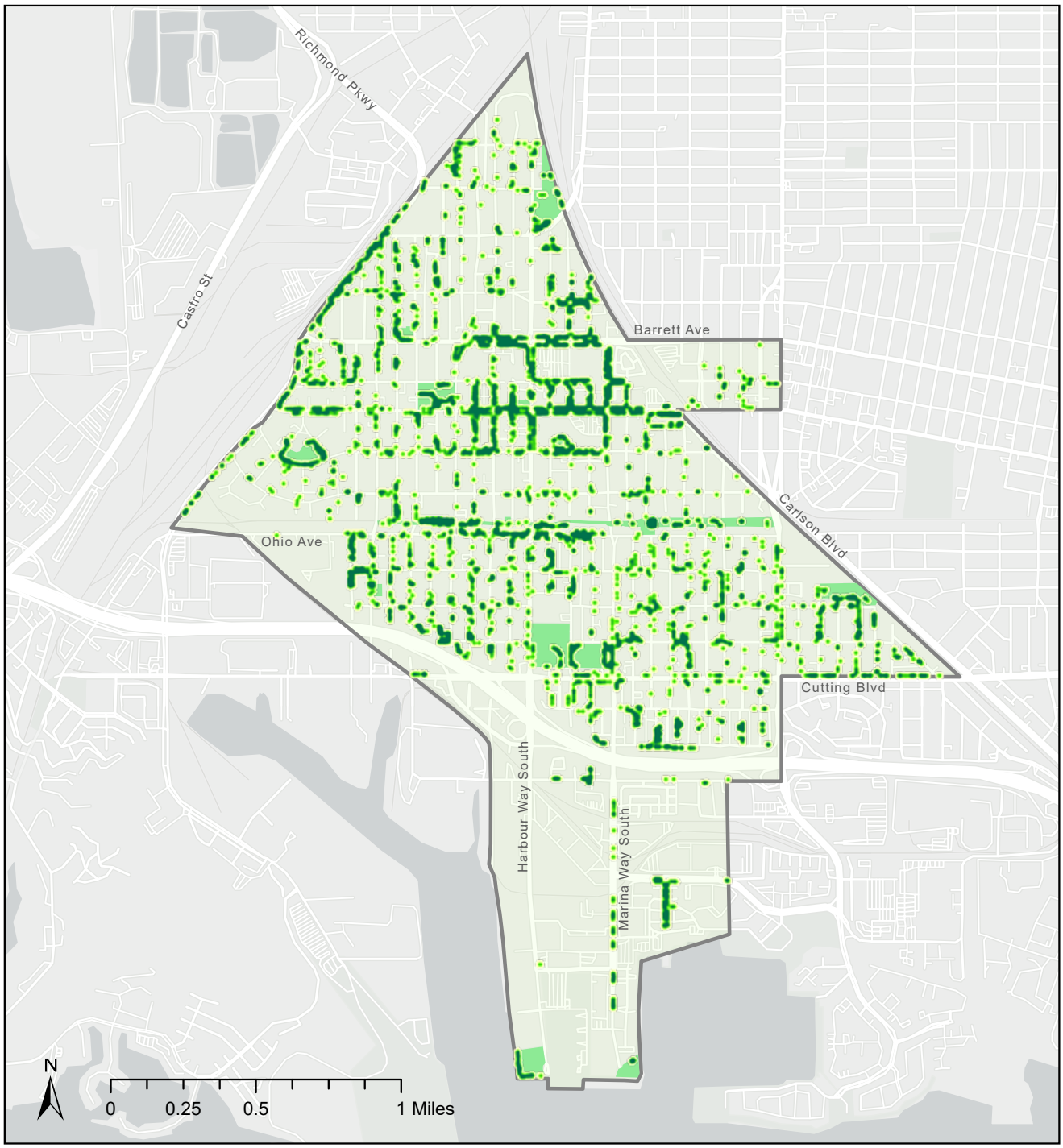
Above Source: Linden, J. et al. Air Pollution removal through deposition on urban vegetation: The importance of vegetation characteristics. *Urban Forestry & Urban Greening*. Volume 81, March 2023, 127843

Current Tree Canopy Coverage in the Richmond Rising Project Area

We began the the process to rack the change of tree canopy and its co-benefits in Richmond by calculating the extant and coverage of the existing tree canopy. We used the US Forest Service iTree caanopy tool and inputs from the City of Richmond tree inventory to calculate the extent of the tree canopy in the project area. **We estimate that the RR Project Area has an inventory of about 3,655 trees with an estimated 10% tree canopy density.** Based on the published scientific literature, we estimate that between 15-20% **urban tree canopy is a resonable & health-promoting goal for the Richmond Rising project area.**

We mapped all the tree points resulting in an estimated extent of the tree canopy and then used these points to generate a canopy ‘heat map’ on the following pages. These maps represent the baseline tree canopy in the project area and do not include the trees that were planted in Year 1 of the Richmond Rising projects.

Project Area Existing Tree Canopy: Baseline Point Map



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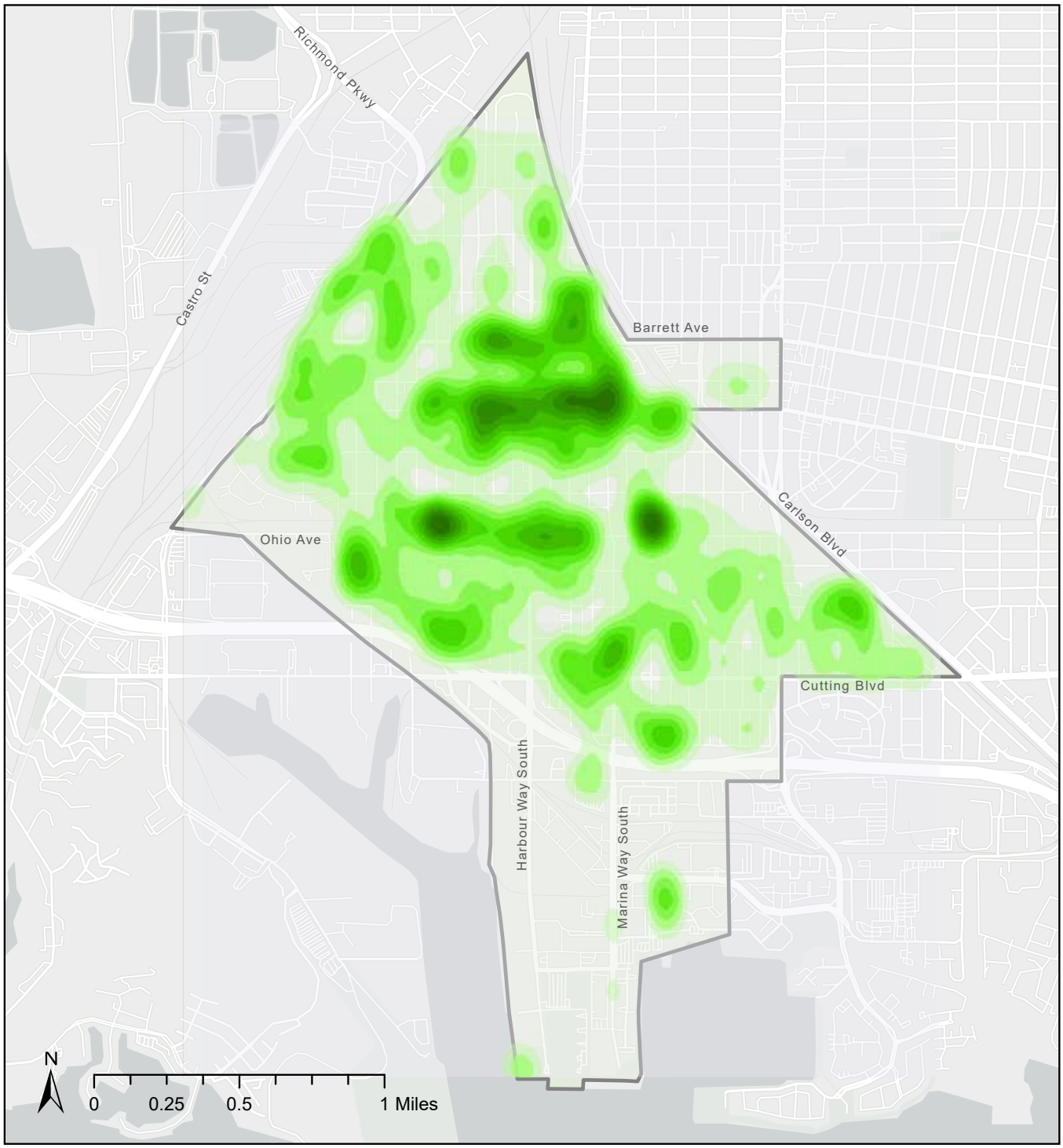
Project Area Estimated Tree Canopy: Baseline Heat Map



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Baseline Benefits of Existing Tree Inventory

The tree inventory in the Richmond Rising project area is estimated to provide annual carbon sequestration of 45 MTCO2e, annual nitrogen dioxide removal of 185 lbs, and annual PM2.5 removal of 31 lbs (Table 2). These benefits were estimated using iTree Eco, an iTree software that uses an existing tree inventory, including species, diameter at breast height (DBH), condition, and location, to estimate the climate benefits provided by the trees. The baseline calculations allow us to measure the added contributions of RR tree planting and green infrastructure. However, the baseline is an estimate, and can include model assumptions about weather, pollution levels, and tree species type, age & condition.

Table 2: Baseline Project Area Tree Canopy Benefits Estimated Using iTree Eco

	Baseline Tree Canopy Benefits
Annual Carbon Sequestration ($MTCO_2e$)	45
Annual Nitrogen Dioxide Removal (lbs)	185
Annual $PM_{2.5}$ Removal (lbs)	31

Tools for Measuring Climate and Air Quality Benefits

The climate and air pollution benefits associated with the Bosque del Barrio tree plantings were calculated using the CARB Urban and Community Forestry (UCF) Quantification Methodology. This methodology utilizes CARB's UCF Benefits Calculator Tool, which calculates net greenhouse gas (GHG) emission reductions as well as reductions in toxic air pollutant emissions, including nitrogen oxide (NOx) and fine particulate matter less than 2.5 micrometers (PM2.5).

The UCF Benefits Calculator Tool uses project-specific outputs from the U.S. Department of Agriculture Forest Service (USFS) i-Tree Planting web-based tool. The outputs from i-Tree Planting are based on user inputs including location information, tree species planted, diameter at breast height (DBH) at the time of planting, condition of the trees at the time of planting, and exposure to sunlight. The i-Tree Planting tool provides multiple outputs including carbon sequestration, air pollutant removal and water savings benefits for each group identifier. These outputs were then entered into the CARB UCF Benefits Calculator Tool to calculate the total net benefits for the project.

Year 1: Bosque del Barrio, Tree planting

In Year 1 of the Bosque del Barrio project, 76 trees were planted throughout the project area (not including trees from the Orchard for All fruit tree giveaways). Locations of these trees are shown in the map below. We used data shared by Groundwork Richmond on the tree species planted, date planted, DBH, and planting locations for inputs into the i-Tree Planting model. The outputs calculated by i-Tree Planting were then input into the UCF Benefits Calculator Tool, which provided the overall net benefits of GHGs (expressed in MTCO2e) and air pollution (expressed as NOx pollution) reductions in Year 1 (Table 3). This table compares the Year 1 benefits with the total targeted project benefits that were established at the onset of the project. The goal of the project is to plant 1,000 trees throughout the project area over 5 years. The total benefits of all trees to be planted were estimated by SGC over a 40-year period using CARB's benefit calculator tool.

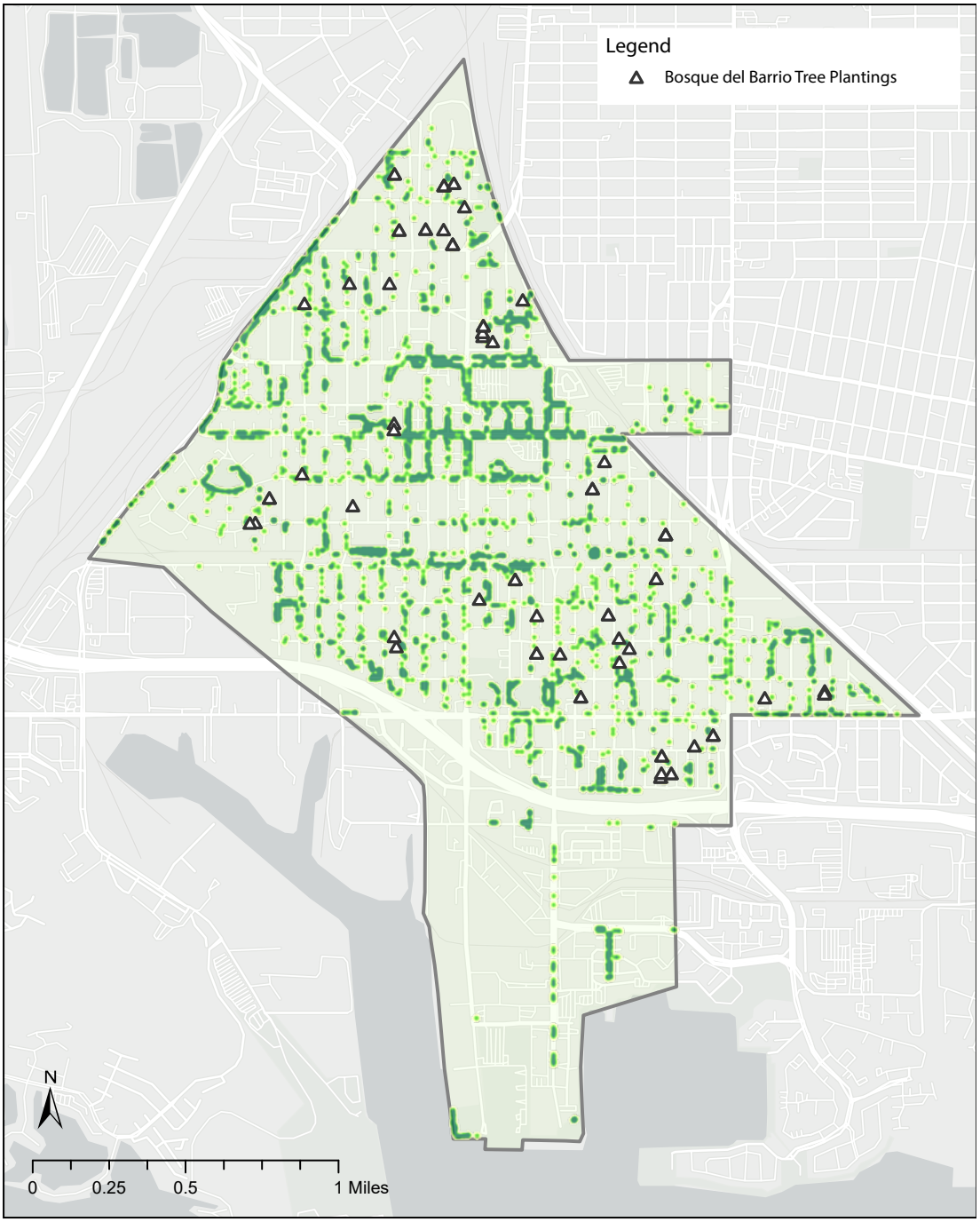
We estimated that the Year One tree planting reduced GHGs by 435 MTCO2e and removed 183 pounds of Nitrous Oxide from the ambient air.

Table 3: Year 1 Tree Planting Benefits Based on CARB UCF Benefits Calculator Tool

	Total Project Area Target Benefits*	Year 1 Estimated Benefits	% of Total Project Target
Number of New Trees Planted	1,000	76	7.60%
GHG Emission Reductions (MTCO2e)	7,370	435	5.90%
Total NO_x Emission Reductions (lbs)	3,509	183	5.20%

*Total Project Area Target Benefits were calculated by SGC at the onset of the Richmond Rising Project.

Year 1 Locations of Bosque del Barrio Tree Plantings



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Note: Multiple trees were planted at the same location, which is why the number of dots on the map appears to be fewer than the total of 76 trees planted. Each dot represents a unique site, not the individual tree count.

Year 1: Resilient Homes, Solar Energy Installations

In Year 1, solar panels were installed on 7 homes, for a total of approximately 51 kW of panels added. Emission reductions from the solar panels installed in Year 1 were calculated using the CARB Affordable Housing and Sustainable Communities (AHSC) Program Benefits Calculator Tool. This tool uses the total annual solar PV electricity generation in kWh/year to calculate total solar PV electricity generation in kWh over the project lifetime, and the total emission reductions, including greenhouse gas emission reductions, reactive organic gases (ROG) emission reductions, NOx emission reductions, and PM2.5 emission reductions. Reactive organic gases are generally volatile organic compounds that contribute to ground-level ozone, which is a constituent of photochemical smog. The input for annual solar PV electricity generation in kWh/year can be estimated using PVWatts, an online tool that takes the direct current system size in kW, the module type, and array type as inputs, as well as assumptions regarding project location and system losses, and provides an output of electricity generation in kWh/year. For Year 1, GRID Alternatives provided the project total kWh/year directly, so this was used as the input for the CARB AHSC Calculator tool. The results of the CARB AHSC Calculator tool are shown in the table below.

Table 4: Year 1 Solar Panel Installation Benefits Based on CARB AHSC Benefits Calculator Tool

	Year 1 Estimates
Annual Solar PV Electricity Generation (kWh/year)	23,424
Total Solar PV Electricity Generation (kWh)	654,072
GHG Emission Reductions ($MTCO_2e$)	133
Remote ROG Emission Reductions (lbs)	10
Remote NO_x Emission Reductions (lbs)	64
Remote $PM_{2.5}$ Emission Reductions (lbs)	15

SECTION IV

CASE STUDIES

The evaluation process also includes a more in-depth discussion of two projects and/or influential people within the Richmond Rising initiative to provide a more comprehensive picture of the change happening in the Project Area. In Year 1, we focused on the **Veggie Rx** project, under the leadership of Urban Tilth & LifeLong Medical Care and the **Universal Access/ADA Garden project,** led by Urban Tilth**.** These case studies highlight the unique contributions from each project, the people involved and some of the qualitative influences they are having in the Richmond community.

LifeLong Medical Care
Health Services For All Ages
a california health+ center

URBAN TILTH
GROW YOUR OWN
RICHMOND, CA

Veggie Rx: Building Health & Climate Resilience

Veggie Rx in a Nutshell:

Veggie Rx is a collaborative initiative led by Urban Tilth and Lifelong Medical Care grounded in the powerful principle that “Food is Medicine.” The project aims to address health holistically by equitably distributing locally grown and cultivated food to communities most in need. Urban Tilth grows and supplies fresh produce directly to patients and families served by Lifelong Medical Care, transforming food access into a pathway for healing.

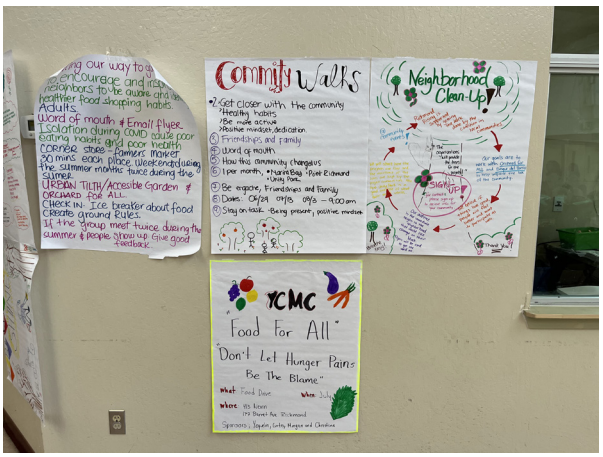
At the heart of Veggie Rx are culturally responsive cooking and nutrition classes where patients learn to prepare and consume healthy meals using locally sourced ingredients. Beyond nutritional education, these classes foster vital social connections and community solidarity—recognizing that healing extends beyond individual health to collective well-being, benefiting both people and the planet.

Food is Medicine

The Food is Medicine movement includes produce prescriptions and medically tailored meals, to help prevent, manage, and treat diet-related diseases. Integrating nutrition into our healthcare system can enable doctors to prescribe healthy food, cooking classes & bring people together around food justice to reduce the need for invasive health services, lower healthcare costs & rebuild local food economies. The goal is to create more equitable health outcomes, eliminate preventable chronic disease & create new supply chains for local farmers.

The initiative also trains climate health promoters to engage the wider community. These promoters educate residents about the healing benefits of food and its potential to contribute to climate change resilience. Critically, they work to build social and cultural connections among neighbors who are often disconnected from one another, denied access to culturally appropriate care & foods, and marginalized within biomedical health care approaches.

By leveraging local, intentional food systems, Veggie Rx is helping catalyze comprehensive community transformation in the Richmond Rising project area through collective healing, well-being, and climate resilience. Veggie Rx project leaders include Chinue Fields, Arleide Da Silva Santos, and Marcos “Chito” Floriano from Urban Tilth. Dr. Daphne Miller, Nanci Andrade, and Irma Peralta are the leaders and trainers for Veggie Rx at Lifelong Medical Care.



Project Components

Veggie Rx Boxes

The Veggie RX boxes provides fresh produce prescriptions to patients with chronic food-related illnesses, collaborating with healthcare providers and receive flat-rate reimbursements through CalAIM.

Healthy Education & Training (HEAT)

HEAT includes medical visits, free food for families, culturally appropriate nutritional education & food preparation classes, & how all this connects to chronic disease management. Veggie Rx boxes of locally sourced foods along with family-centered workshops focus on nutrition education, cooking demonstrations, and goal setting. Considers the needs of the whole person & their family, including food, environmental conditions, physical activity, stress/mental health, and social connections in medical visits/healing modalities.

Climate Conductors

Climate Health Promoters curriculum aims to train 60 health conductors, aiming to recruit Richmond residents to support other TCC projects and initiatives geared towards climate justice and resilience.

Year One Update: Seeds of Change

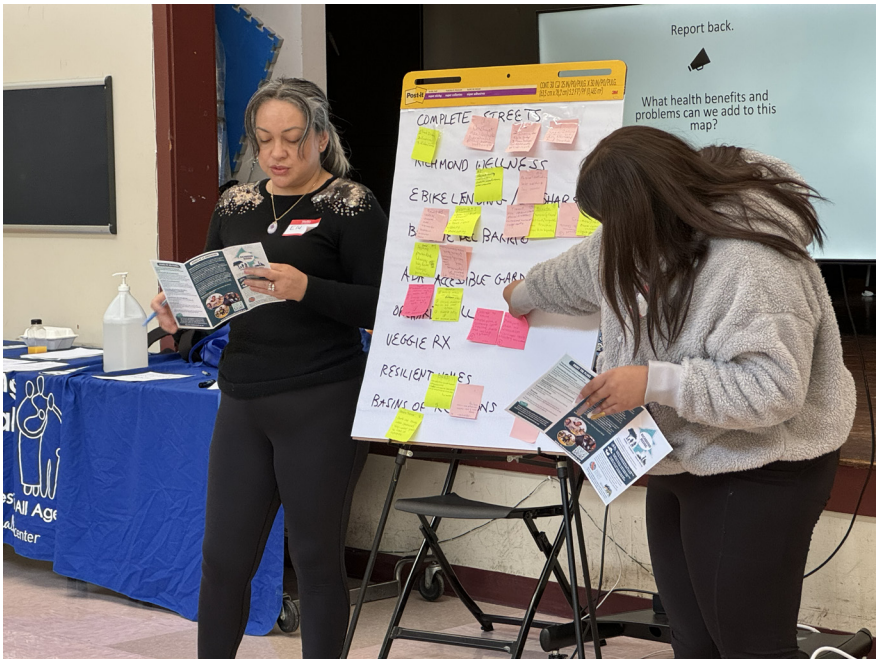
In its inaugural year, Veggie Rx turned the "food is medicine" concept from theory into powerful community action. Urban Tilth and Lifelong Medical Center distributed **3,363 food boxes,** trained **28 Climate Conductors,** facilitated **77 HEAT groups**, and conducted **524 medical visits (206 in English & 318 in Spanish).** In doing so, they created fertile ground for community health to flourish, turning local agriculture into a powerful tool for wellness and resilience. According to project leaders, the initiative is guided by the understanding that:

> ***"Our unique and emotionally complex relationships with food often overlook climate and require community transformation to heal."***

Climate Conductors

With a vision to cultivate broad-scale community leadership, Veggie Rx aims to train at least 250 Climate Conductors over five years. In Year 1, a cohort of 28 Richmond residents graduated from the training, emerging as catalysts of community transformation. They have become instrumental connectors between local residents and Richmond Rising project activities, leveraging their training in climate resilience and communication skills to create meaningful community impact. As recent graduates, Climate Conductors are equipped with new skills in facilitation, communication, and healthy cooking to enhance community-wide climate resilience by fostering a better understanding of the relationship between chronic disease, food security, and healthy diets.

The program's success is perhaps best illustrated by its emerging leadership pipeline. Graduates from the first cohort have not just completed the training—they've sought ways to deepen their community engagement. Several participants have applied to become members of the Community Steering Committee (CSC), joining project partners in shaping Richmond Rising's future. During CSC meetings, these trained leaders have provided critical feedback and contributed meaningful perspectives on project progress and community needs. Their participation and continued engagement is a testament to the program's ability to cultivate local leadership, center community needs, and promote community-driven change.



Veggie Rx Boxes

This year, Veggie Rx transformed the meaning of nutrition support by distributing 3,363 food bags to community members through LifeLong's HEAT and Centering (pre-natal) programs, Climate-Friendly Diet giveaways, and targeted deliveries to qualifying residents in the project area.

Patients receive Veggie Rx boxes through targeted referrals from primary care providers and Contra Costa Health Plan (CCHP), focusing on individuals managing conditions like diabetes, metabolic syndrome, and end-stage renal disease. These personalized nutrition interventions are supported by Urban Tilth's reimbursement through California Advancing and Innovating Medi-Cal (CalAIM). Participants receive Veggie Rx boxes for up to 12 months, with re-referrals required every 3 months if medically necessary.

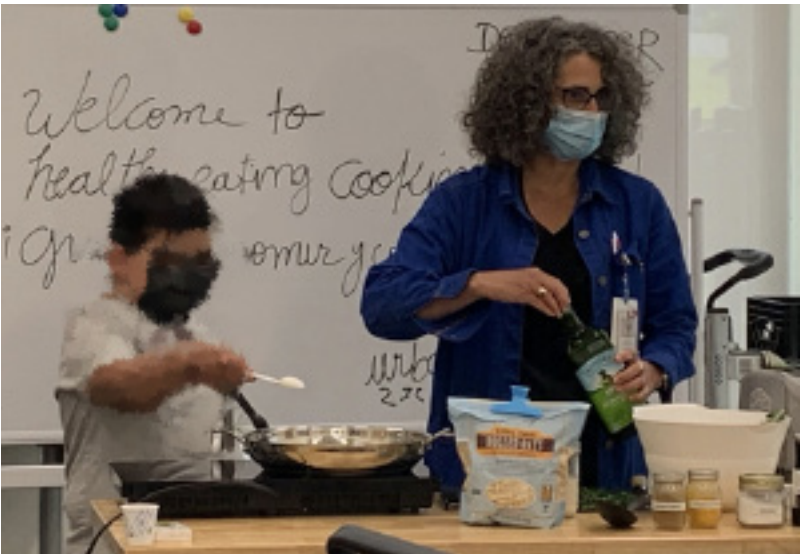
The food for the Veggie Rx boxes is sourced from Urban Tilth and nine other local farms within 100 miles of Richmond. By prioritizing BIPOC and regenerative farming practices, these boxes feature crops carefully selected for their resilience to the native landscape—a testament to the deep connection between community health and sustainable agriculture.

Healthy Education and Training (HEAT)

In its first year, Veggie Rx facilitated 77 HEAT medical groups (32 in Spanish, 45 in English) and facilitated 524 medical visits (206 by Spanish-speaking patients and 318 by English-speaking patients).

Bilingual and family-centered, the HEAT group meetings address the topic of nutrition through a comprehensive curriculum, equipping participants with knowledge to combat chronic diseases through innovative, culturally responsive approaches to cooking and eating. Over the course of 8 weeks, participants explore themes such as the difference between emotional and physical hunger, how to uncover hidden sugars in foods, and ultimately practice mindful eating. Together, they have an opportunity to practice building community connections through food.

Each session features a different cooking demonstration and concludes with participants setting specific, measurable, attainable, realistic, and time-bound (SMART) goals related to their well-being, such as getting more sleep three times a week. By setting personalized goals (such as improving sleep patterns or transforming eating habits), they build a network of community accountability and mutual support.



Universally Accessible Garden: Inclusion by Design

Richmond's first and only Universally Accessible Community Garden was co-designed in Year 1 of Richmond Rising. The future community garden will be along the Greenway at the end of 17th Street, adjacent to the Urban Tilth Edible Forest. Community workshops during this past year re-imagined what accessibility can mean for an urban green space. This first-of-its-kind initiative will create a garden specifically designed for seniors and those in wheelchairs and with mobility challenges. Through Community Design Sessions, community members shared their insights and informed the content of the public space. Beyond accessible paths and raised beds, the garden will be a space for people living with disabilities and their families to reap the benefits of gardening – from accessing locally grown foods to experiencing the mental health benefits of connecting with nature and neighbors.

The garden's vision extends beyond physical accessibility to active participation, with programs enabling people with disabilities to engage in garden maintenance and care. Research shows that community gardening cultivates climate resilience by helping people reconnect with themselves, each other, and their local environment. This connection, combined with the garden's support of biodiversity and ecosystem services like flood and heat management, is a powerful testament to the potential of urban gardening spaces to become hubs for social justice, environmental resilience, and food security.

Key partners in the co-design and creation process included **Harbour View Senior Apartment residents, Vistability & Nurturing Independence Through Artistic Development (NIAD).**

Disability Justice

Ableism is the systemic oppression of disabled people, which includes stigmatizing differences related to abilities, disabilities and impairments, the construction of disability difference as pathology and disabled people as unwanted 'Others' in society, and the marginalization, segregation and violence that follows. Disability Justice aims to recognize and remove oppression faced by people who live with intersecting identities – such as disabled people of color, immigrants with disabilities, trans and gender non-conforming people with disabilities, people with disabilities who are houseless, and others.

Co-Creating an Inclusive Vision

Throughout year one, Urban Tilth spearheaded a co-design process that engaged hundreds of community members. Under the leadership of Areleide Santos, **7 design sessions** were conducted to engage people with disabilities, their caretakers, and families. During the sessions, over **160 community members** had an opportunity to weigh in on the design of the garden —from raised bed placement to path widths and plant selection—, thoughtfully conceiving a space that exceeds Americans with Disabilities Act (ADA) guidelines to create a welcoming and accessible space. A final design unveiling was attended by 36 community members.

The final design and construction process will be implemented with the support of Mercurio Engineering and CSW|ST2 Landscape Architecture. Urban Tilth will ensure the successful implementation of the ADA garden by overseeing and carrying out the gardening and growing of food, working closely with the community on an ongoing basis, as well as coordinating events and programming at the garden.

According to the project leaders, engaging the community from the start was crucial. Ongoing feedback helped the garden meet diverse needs and fostered a sense of belonging. Collaborating with potential garden users, including seniors and individuals with disabilities, was essential for understanding their needs and preferences. Urban Tilth ensured regular and transparent communication with all stakeholders. This helped keep everyone involved aligned on goals and enabled the design process to meet its time lines. In addition to the design features, participants also highlighted the need to plan for and fund regular maintenance strategies to ensure the space maintains its integrity, safety and accessibility for all.

Universally Accessible Garden & Disability Justice: Setting a National Precedent

Public community gardens can meaningfully contribute to disability justice, yet universally designed, public gardens remain rare in the United States. A few pioneering project across the country have helped paved the way for better accessibility in green spaces, including Grass Roots Gardens in Buffalo, NY. In 2020, after launching the "Gardening for All" initiative to evaluate and enhance garden accessibility, the non-profit organization *Grassroots Gardens of Western New York* in charge of the garden began modifying the space to include:

- Wheelchair-accessible garden mats
- Strategic lighting placement
- Seating integrated with raised beds
- QR-coded signage for screen readers
- Specialized accessible hand tools and garden scoots

Elsewhere, Purdue University Horticulture Gardens initiated the process for their University Demonstration Garden to be in compliance with the ADA, and a garden Pullman, Washington worked with community partners to co-design its space.

To date, there are no public, ADA-compliant gardens in California. Expanding on the lessons learned from these pioneering projects, Richmond Rising's Universally Accessible Garden will create a model for future participatory garden design and accessibility across the state. In doing so, this project is aiming to set an important environmental and climate justice precedent, demonstrating how inclusive design can lead to the creation of community spaces that nurture connection and help advance environmental resilience.

Inclusive Garden Design: Key Considerations

- Multiple engagement methods for different learning styles
- Non-visual and auditory navigation options with audio descriptions and braille signage
- Fully accessible restrooms and pathways
- Careful attention to scents, chemicals, and lighting for those with sensitivities
- Designated quiet spaces for sensory relief
- Strategic transportation access planning
- Supportive rails adjacent to beds
- Raised planters that allow wheelchairs to park underneath
- Accessible water fountain
- Full-time garden staff

SECTION V

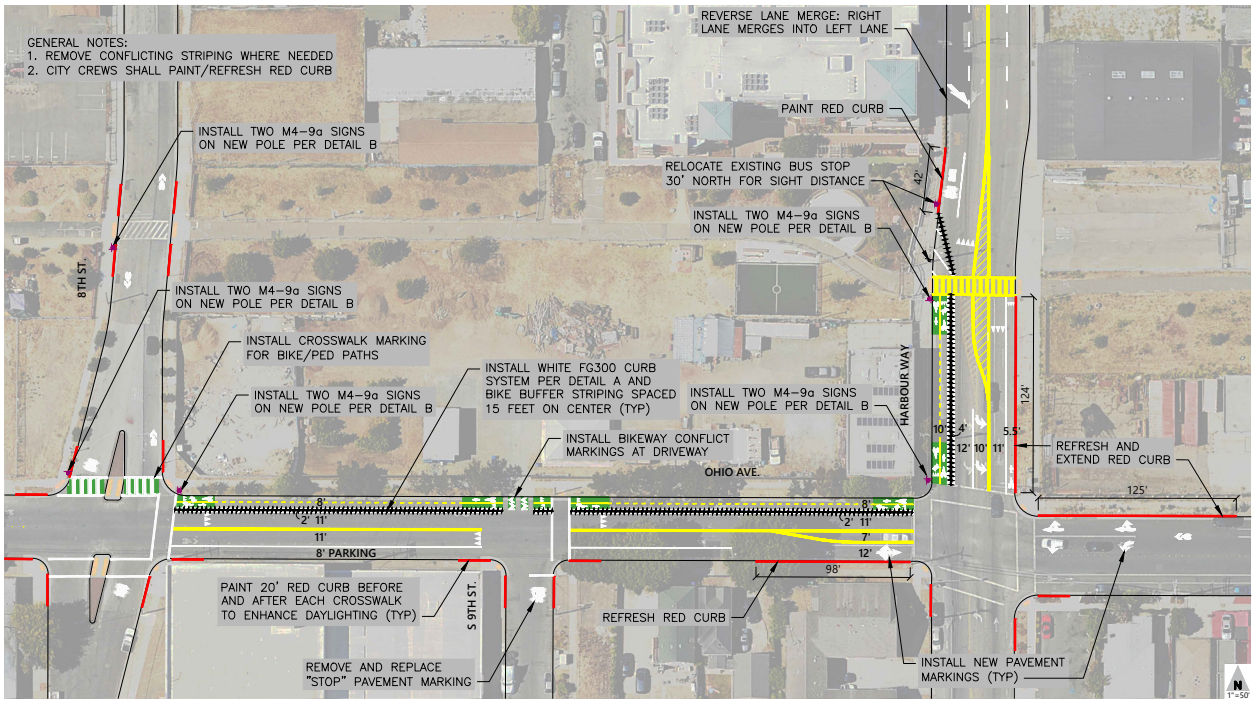
PROJECT LEVEL INDICATORS & OUTPUTS

This section provides updates on project-level progress, including indicator tables with updated measures from Year 1 and updated logic models for each project.

In instances where data for the current evaluation year was not available, “N/A“ is used in the indicator tables to denote that a given project activity has not yet begun or data was not available at the time the report was compiled.

For clarity, logic models are a framework used to visualize the relationship between a project’s inputs, activities, outputs, and desired outcomes. They are commonly used as a strategy to communicate how a project is expected to work and make progress towards a desired set of outcomes, both in the short and long term. In this report, we have updated the logic models originally presented in the baseline report to reflect the current status of activities and progress made towards each project’s short and long term goals.

Neighborhood Complete Streets



Project Concept Plan.

Neighborhood Complete Streets aims to provide safe and accessible transportation for all users. Planned improvements include new bike lanes, pedestrian pathways, bus enhancements, and streetscape improvements. As highlighted in the accompanying map on page 44 the project will connect existing bike lanes and key landmarks like the Yellow Brick Road and Harbour 8.

During the first year of the grant, the project focused on planning and coordination among the Richmond Wellness Trail, City staff, and project stakeholders. These collaborative efforts resulted in an initial draft of the Preview Design (see illustration below) and a phased construction plan set for implementation in Year 2 of the grant.

Key Accomplishments

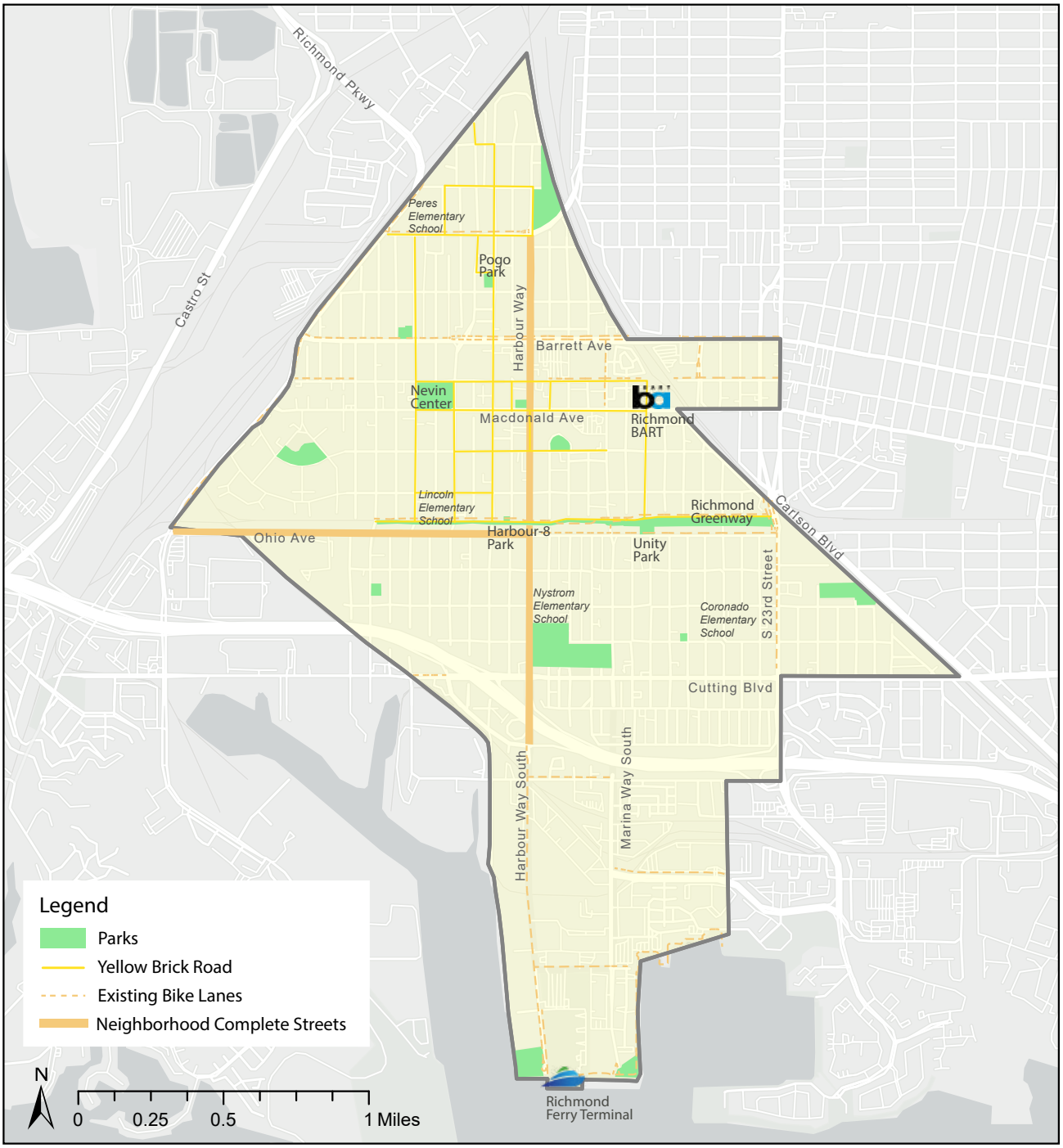
- **Hired the firm CSW-ST2 to consult on design services**
- **Developed a phased construction plan to ensure completion of project goals and increase opportunities for additional State and Federal Funding**
- **Created a draft of the "Living Preview Design" in collaboration with Pogo Park and other community stakeholders**

Project Level Indicators

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

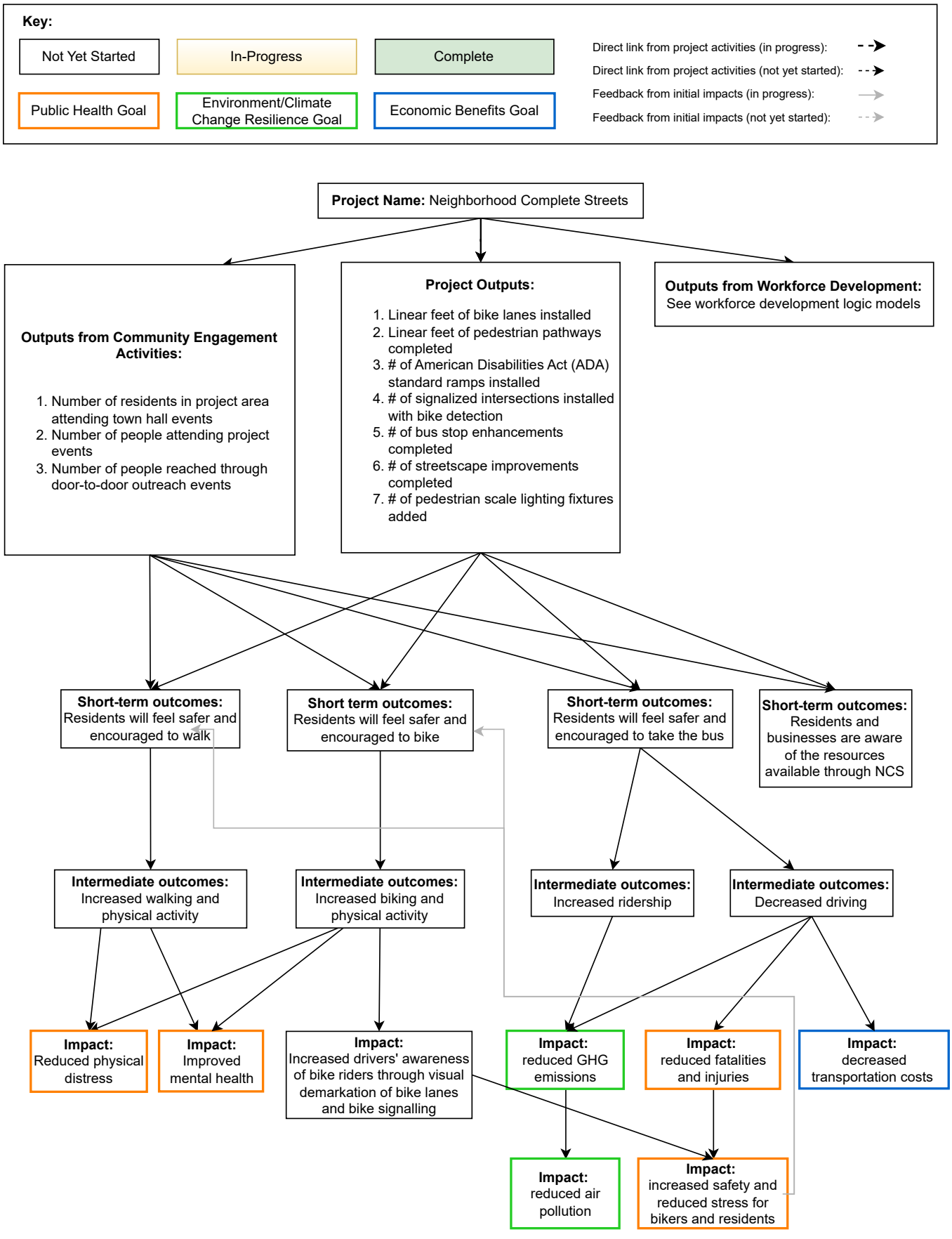
Indicator	Year 1
Built Environment	
Linear feet of bike lanes installed	N/A
Linear feet of pedestrian pathways completed	N/A
# of American Disabilities Act (ADA) standard ramps installed	N/A
# of signalized intersections installed with bike detection	N/A
# of bus stop enhancements completed	N/A
# of streetscape improvements completed	N/A
# of pedestrian scale lighting fixtures added	N/A
Community Outreach and Engagement	
# of residents in project area attending town hall events	N/A
# people attending project events	N/A
# of people reached through door-to-door outreach events	N/A

Neighborhood Complete Streets Proposed Infrastructure

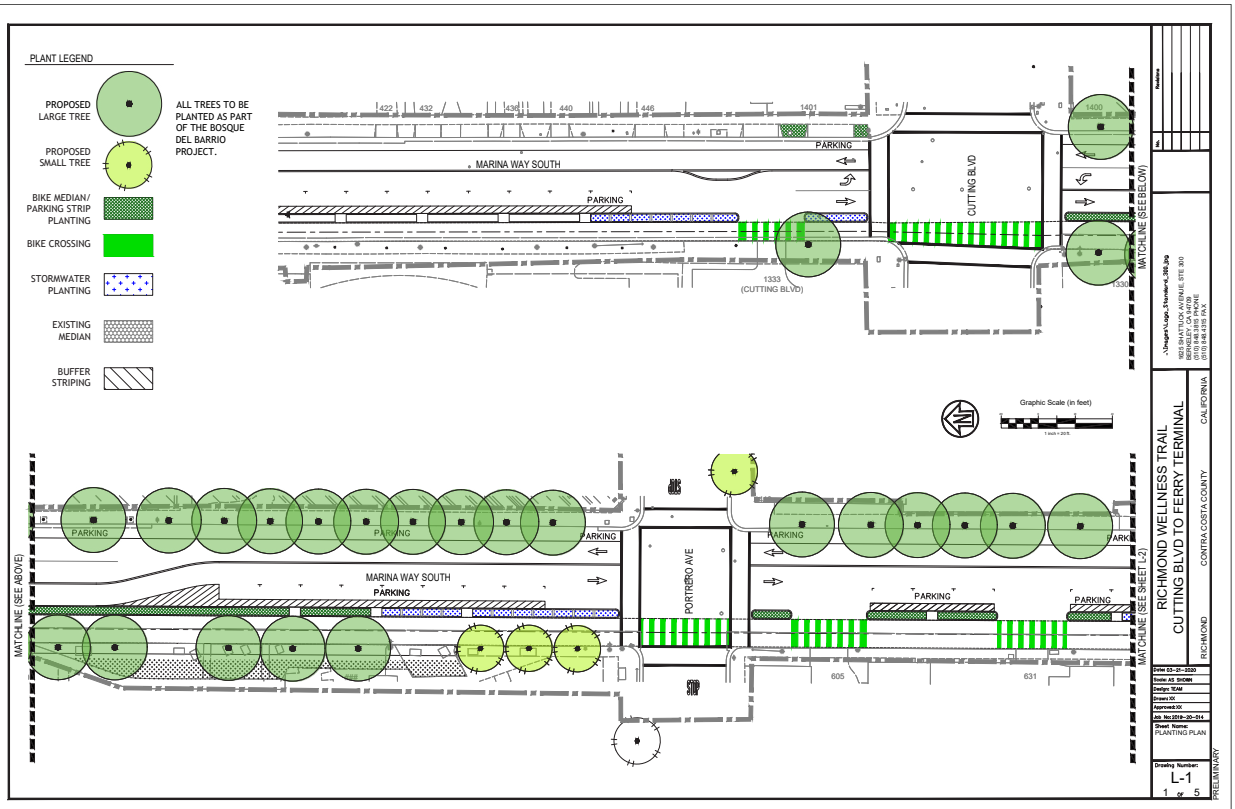


County of Marin, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA

Logic Model


Key:
Not Yet Started
In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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

Richmond Wellness Trail



Proposed Design.

The Richmond Wellness Trail aims to provide safe pedestrian and cycling infrastructure along a two-mile stretch of Marina Way South. The project will connect landmarks such as City's historic downtown, BART/Amtrak station, and ferry terminal to urban green spaces and historic sites along the San Francisco Bay Trail.

During the first year, the project focused on hiring a firm to consult on the project drawings and designs, which are still in progress. The current design is at 30% completion and has been submitted for iterative feedback, with implementation expected to begin next year.

Key Accomplishments

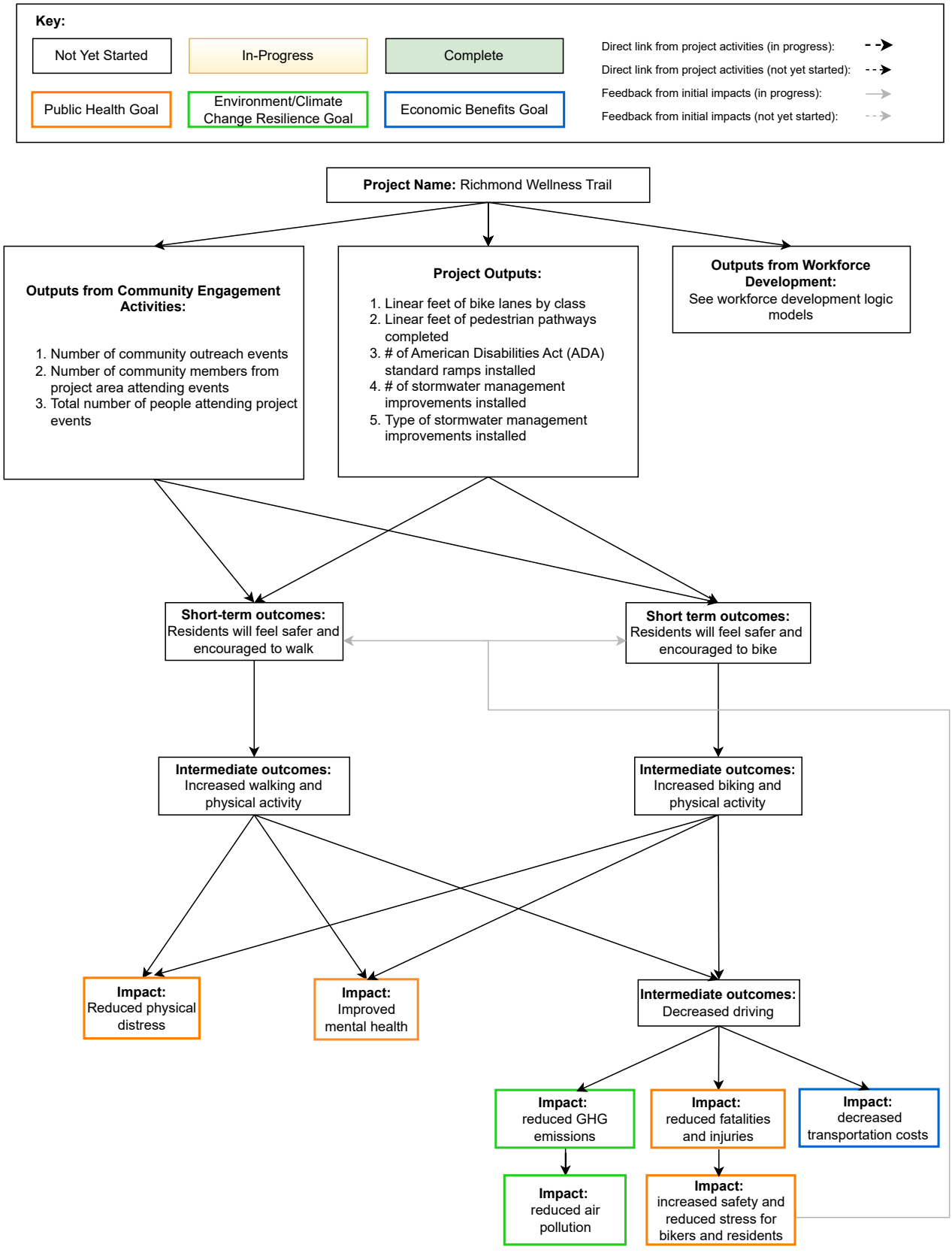
- **Hired the firm PlaceWorks to consult on design services**
- **Completed 30% of design drawings**
- **Submitted drawings for review by Trust for Public Land and City of Richmond**
- **Conducted a site walk with project partners and consultant team to assess existing conditions**

Project Level Indicators

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

Indicator	Data
Built Environment	
Linear feet of bike lanes installed	0
Linear feet of pedestrian pathways completed	0
# of American Disabilities Act (ADA) standard ramps installed	0
# of stormwater management improvements installed	0
Type of stormwater management improvements installed	N/A
Community Outreach and Engagement	
# of community outreach events attended	1
total # of people attending project events	N/A

Logic Model


Key:
Not Yet Started
In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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

E-bike Lending Library

Proposed Design.

The E-Bike Lending Library project will result in the construction of an Electric Bicycle Lending Library (e-BLL) at Unity Park where community members will have access to e-bikes. The library will offer free electric bicycles, as well as courses in safety, maintenance/repair. In addition, Rich City Rides will be developing the “Volunteer, Training, Maintenance” road to ownership program (VTM Program) to equip community members with knowledge on e-bike use, safety, and maintenance. At the end of the training, participants will receive the donation of a free electric bike.

During the first year, project efforts focused on generating draft designs, hiring staff, and engaging with the community. After a Project Manager and Community Engagement Specialist were hired, the building designs were presented at community events to gather feedback and ensure the project aligns with the community’s expectations.

Key Accomplishments

- **Hired Project Manager and Community Engagement Specialist**
- **Conduct outreach at over 10 local community events**
- **Presented preliminary building designs at two Design Review Board study sessions**
- **Drafted VTM Program curriculum**

Project Level Indicators

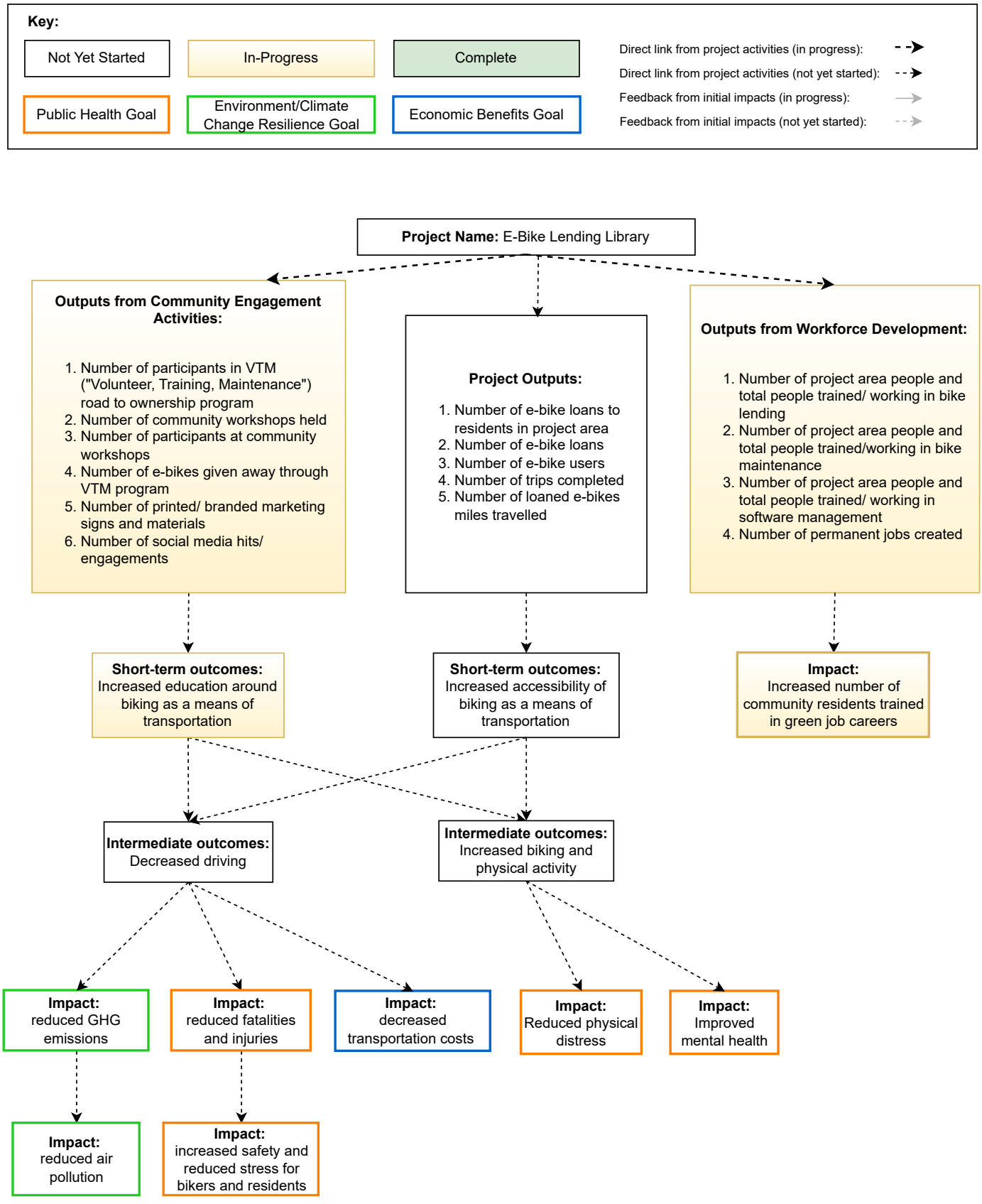
Project: E-bike Lending Library

Lead Entity: Rich City Rides

Strategy: Car Sharing and Mobility Enhancement

Indicator	Year 1
Program Users	
# of e-bike loans to residents in project area	N/A
# of e-bike loans	N/A
# of e-bike users	N/A
# of trips completed	N/A
# of loaned e-bikes miles travelled	N/A
Workforce Development	
# of project area people & total people trained/working in bike lending	N/A
# of project area people & total people trained/working in bike maintenance	N/A
# of project area people & total people trained/working in software management	N/A
# permanent jobs created	2
Community Outreach and Engagement	
# of participants in VTM “Volunteer, Training, Maintenance” road to ownership program	N/A
# of community workshops held	N/A
# of participants at community workshops	N/A
# of e-bikes given away through VTM program	N/A
# of printed/branding marketing signs and materials	N/A
# of accounts reached via social media	4,168

Logic Model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Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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

Resilient Homes for Healthy Communities

Resilient Homes for Healthy Communities aims to promote energy equity by enhancing the energy infrastructure in the project area and positively impacting household energy costs. In particular, the project will install 875 kilowatts (KW) of solar photovoltaic systems and energy efficiency upgrades free of charge for approximately 250 income-eligible homes.

During the first year, the project successfully launched its operations and established a client pipeline of 41 energy services recipients. In the process, the staff conducted extensive outreach efforts, such as biweekly canvassing efforts and phone banking, to inform project area residents of the project and build trust. A total of 7 installations were completed within the first year of operation (see map in the following pages).

Key Accomplishments

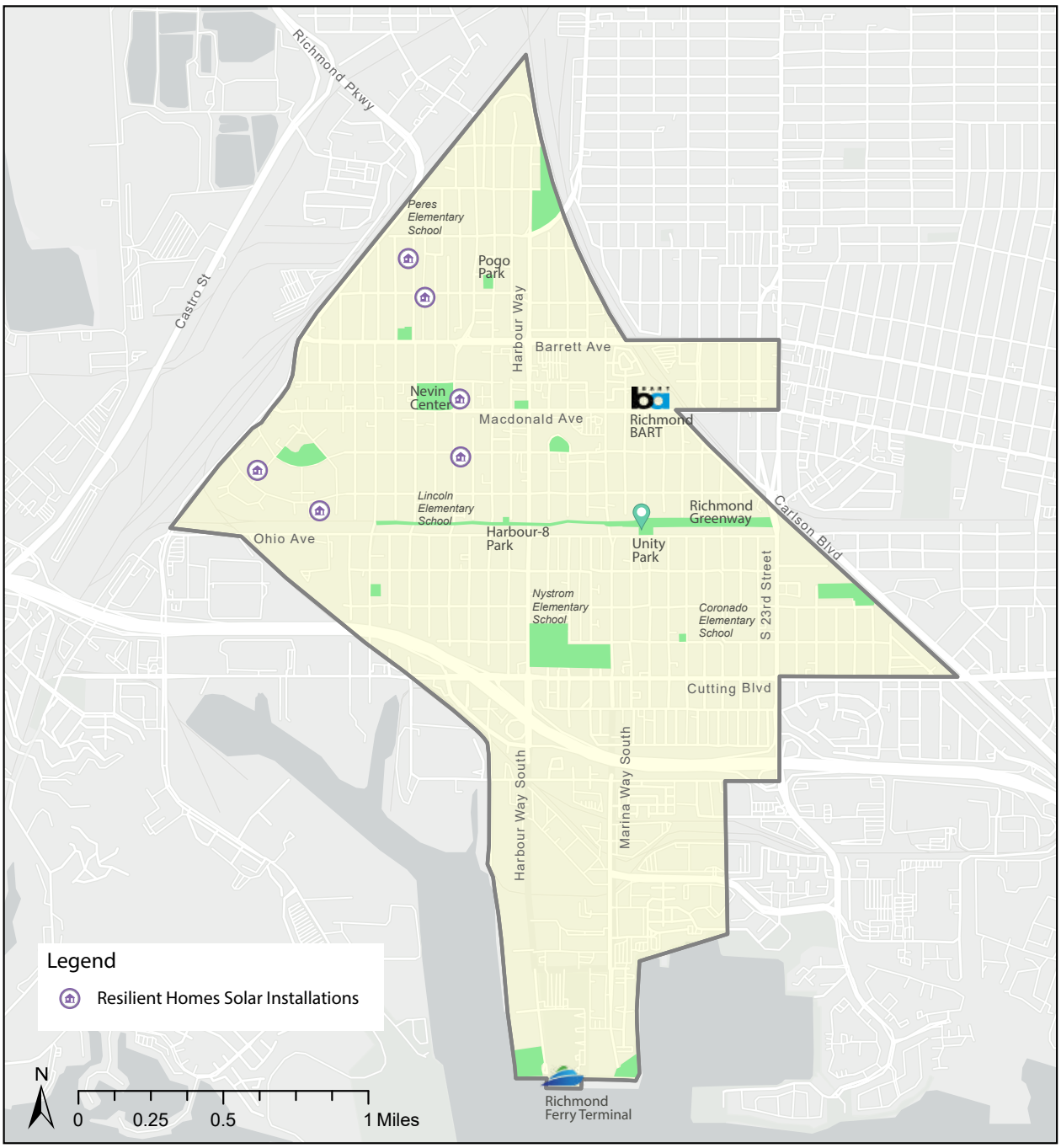
- **Established client pipeline of 41 energy services recipients**
- **Completed 6 installations of solar photovoltaic systems**
- **Completed 3 energy efficiency upgrade installations**
- **Developed outreach protocols, including bi-weekly canvassing, phone banking, and outreach events to increase community participation**

Project Level Indicators

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

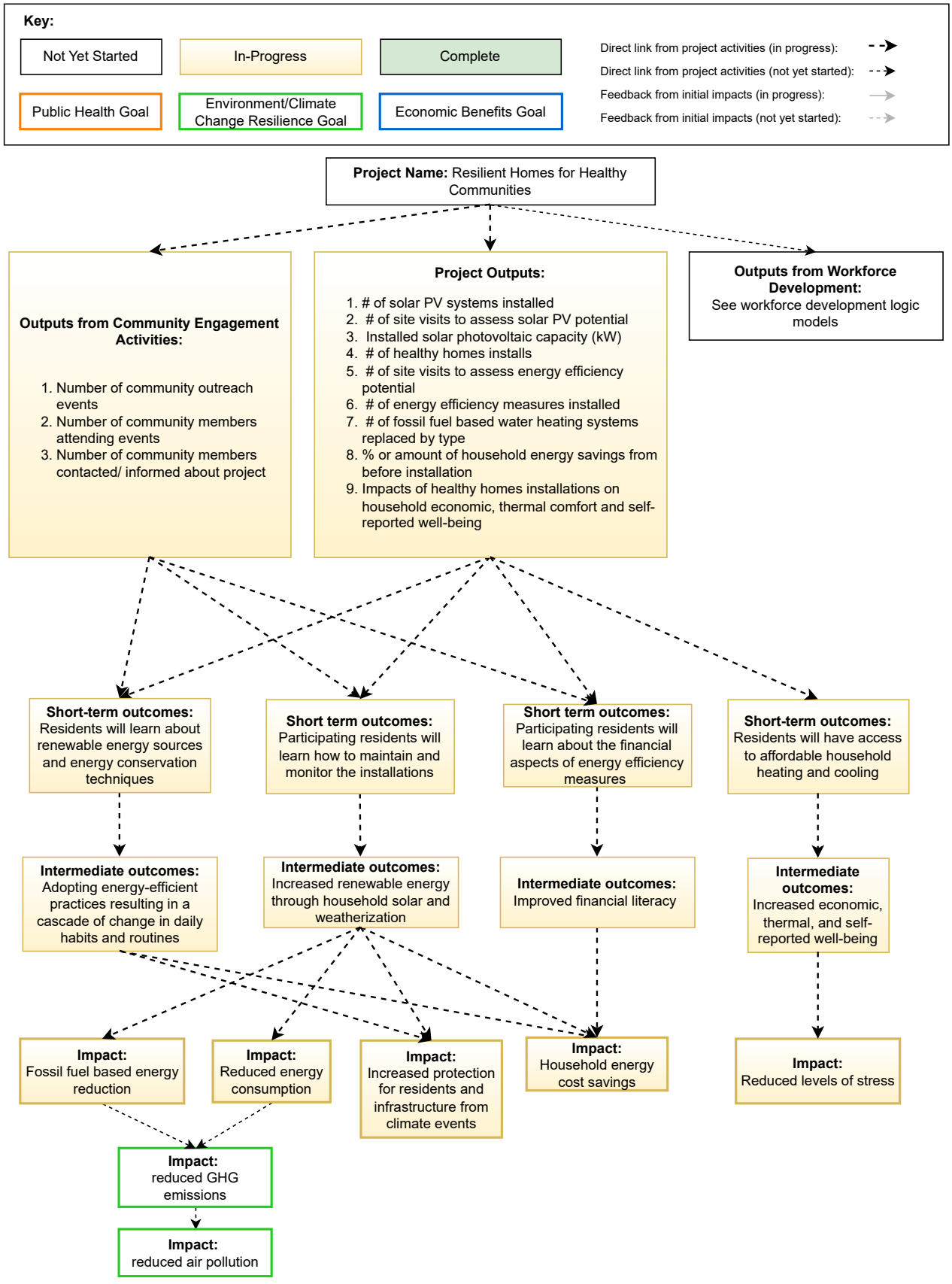
Indicator	Data Input
Built Environment	
# of solar PV systems installed	6
# of site visits to assess solar PV potential	11
Installed solar photovoltaic capacity (kW)	20.4
# healthy homes installs	3
# households pre-screened	41
# of site visits to assess energy efficiency potential	10
# of energy efficiency measures installed	6
# of fossil fuel based systems replaced	3
Household Impacts	
% or amount of household energy savings from before installation	N/A
Impacts of healthy homes installations on household economic, thermal comfort & self-reported well-being	N/A
Community Engagement and Outreach	
# of community outreach events	3

Resilient Homes Completed Solar Installations



County of Marin, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA

Logic Model


Key:
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In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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 energy efficiency measures
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 weatherization
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

Basins of Relations

Participants learn how to install greywater and water conservation systems.

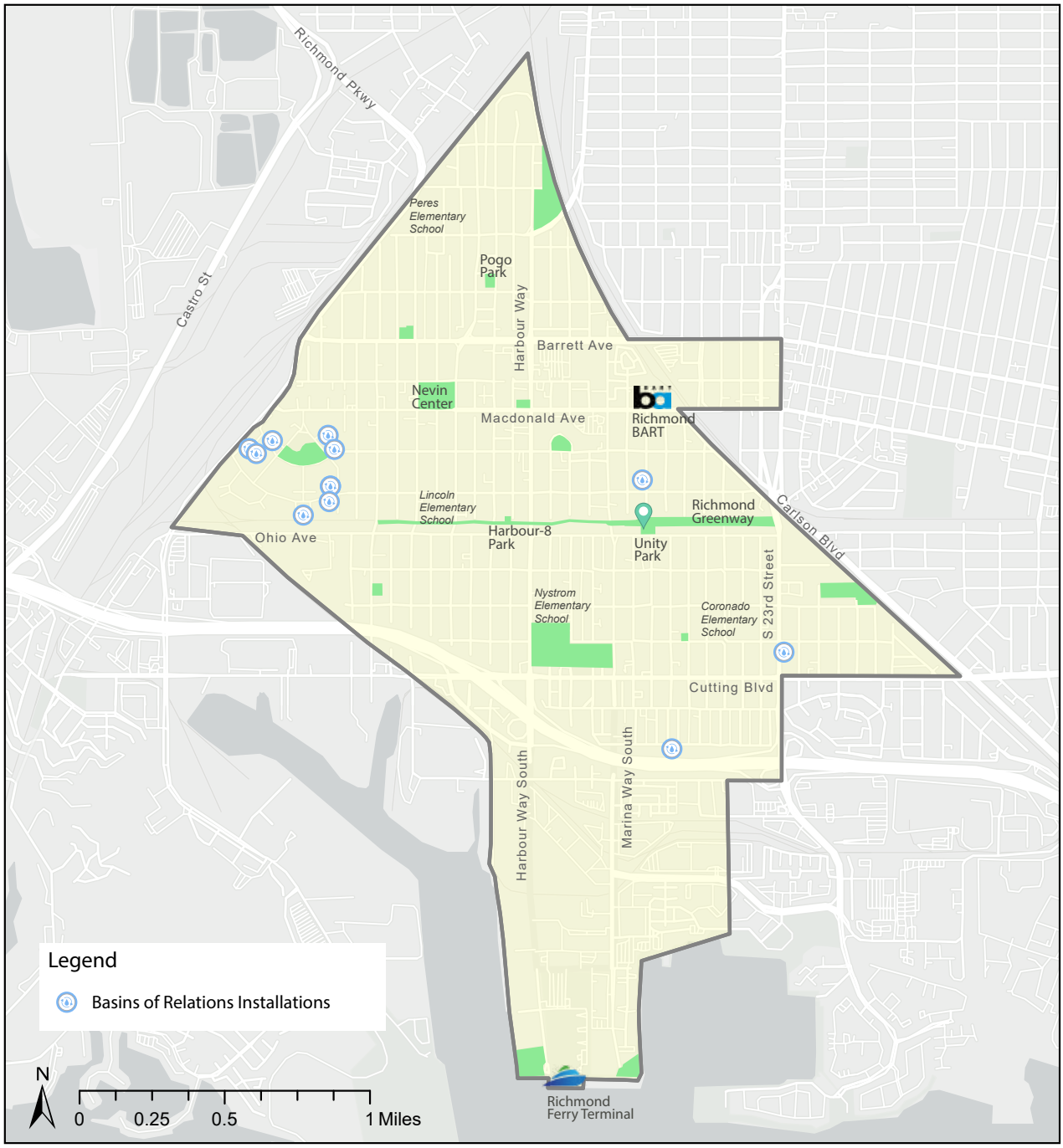
Basins of Relations aims to increase the efficiency of urban water use through the installation of drought-tolerant landscaping, drip irrigation, grey-water and rainwater catchment systems. The project will also create employment opportunities in the environmental sector for young Richmond residents through training programs and paid apprenticeships, particularly for youth from underrepresented communities. Through the training, youth gain career skills and a deep understanding of watershed and community health through hands-on restorative projects in local natural spaces and waterways.

During the first year, the project successfully installed water conservation systems in 14 homes, contributing to saving a total of 126208 gallons of water. In addition, they launched the first Basins of Relations Watershed Restoration Training Program with 8 young residents graduating from the first cohort.

Key Accomplishments

- **Hired Water Conservation Project Manager, Community Engagement Manager, and Water Conservation apprentices (graduates of the 15-week training program)**
- **Installed water conservation installations in 14 homes**
- **Saved 126,208 gallons of water**
- **Implemented the Basins of Relations Watershed Restoration Training Program with 8 young residents graduating (100% graduation rate)**

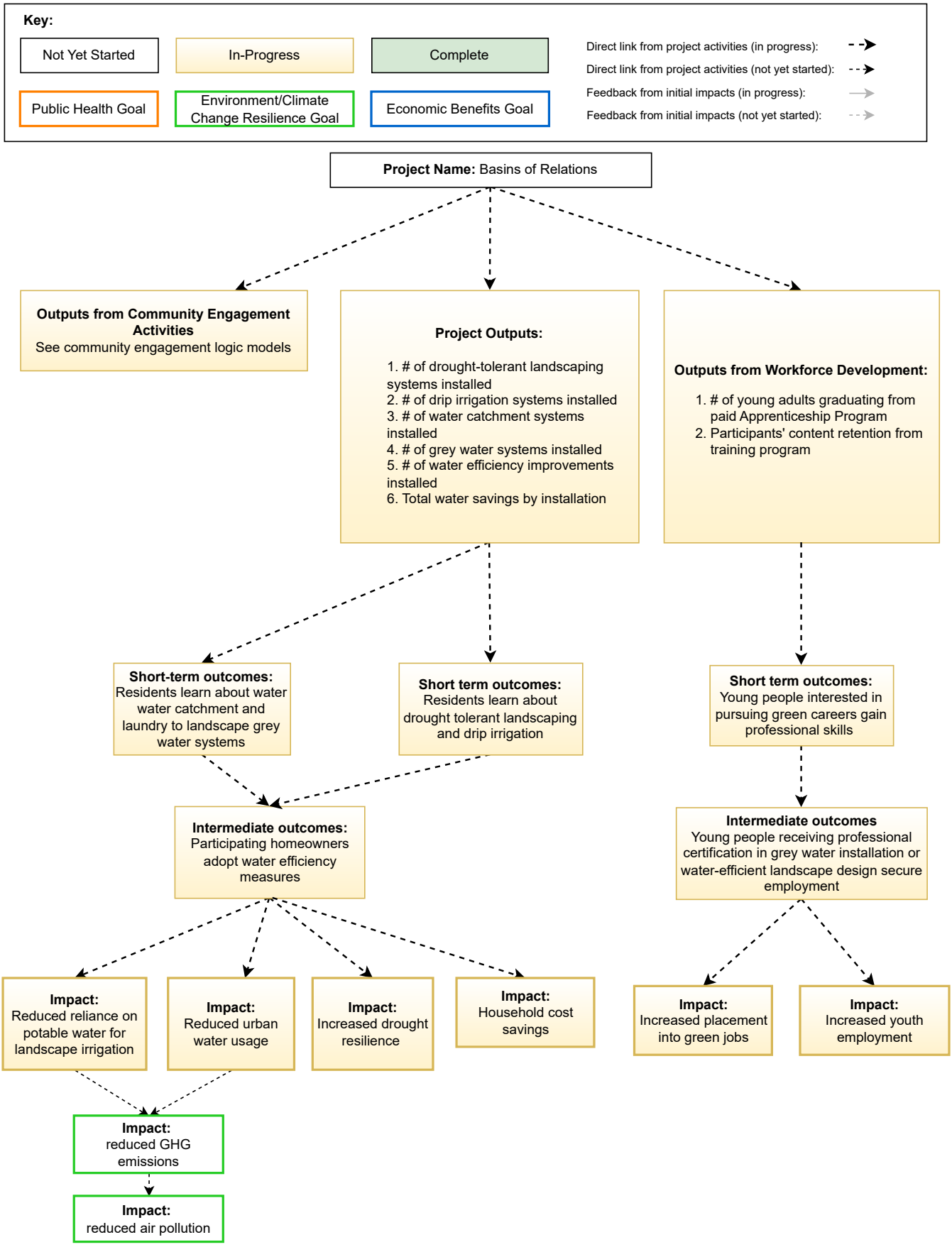
Basins of Relations Completed Installations



Project Level Indicators

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

Indicator	Data Input
Built Environment	
# of drought tolerant landscaping systems installed	2
# of drip irrigation systems installed	12
# of water catchment systems installed	0
# of greywater systems Installed	1
Household Impacts	
Annual water savings (gallons/year)	126,208
Workforce Development	
# of young adults graduating from paid Apprenticeship Program	8
Participants' content retention from training program	35.7% improvement in conceptual understanding when comparing pre- and post-program evaluations


Key:
Not Yet Started
In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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

Bosque del Barrio

Tree planting activities during Arbor Day 2024.

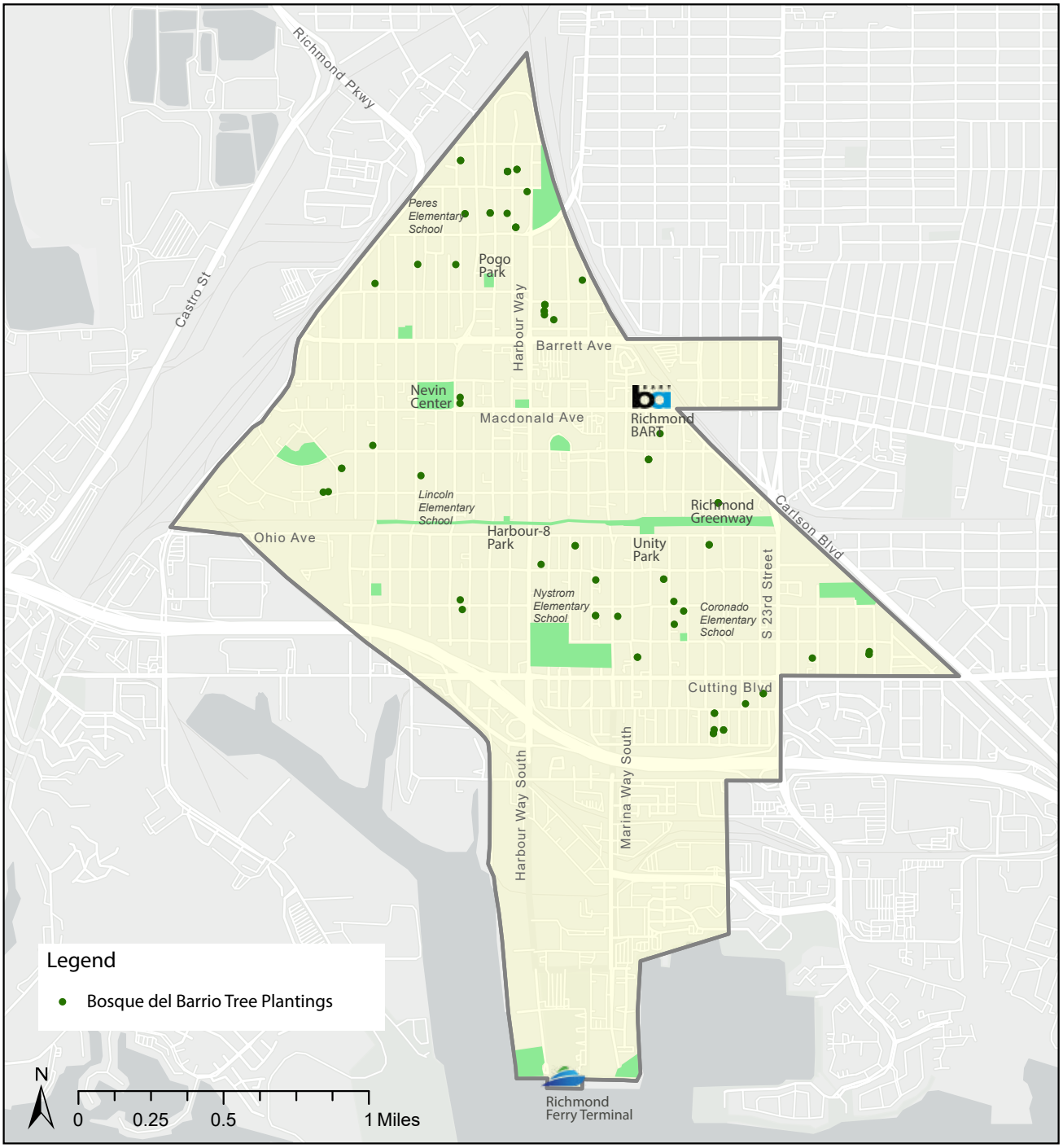
Bosque del Barrio is a project of Groundwork Richmond. It aims to contribute to climate equity by increasing the urban tree canopy in the Project Area. In particular, project activities entail reforesting to increase CO2 capture, improve local air quality, and provide long-term shade for residents. The project will plant and maintain 1,000 drought tolerant/resistant trees in public and private properties in the Project Area over the 5 years.

During Year 1, the project work collaboratively with the City and community to identify planting locations and establish expectations around maintenance responsibilities. Project staff engaged in regular canvassing efforts to inform the community about the upcoming planting activities, reaching over 200 households in the planting outreach phase. To date, 78 trees have been planted in residential properties. 42 participants enrolled in the Adopt-A-Tree program, through which residents commit to caring for one of the trees planted by Groundwork Richmond and the City of Richmond.

Key Accomplishments

- **Began coordination with City staff to identify planting locations and ongoing maintenance responsibilities**
- **Planted 76 trees in residential properties**
- **Conducted regular canvassing**
- **Completed 4 community outreach events & attended 5 stakeholder meetings**
- **Reached 208 households in the planting phase outreach**
- **Enrolled 42 participants in the Adopt a Tree program**

Locations of Trees Planted in Year 1



County of Marin, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA

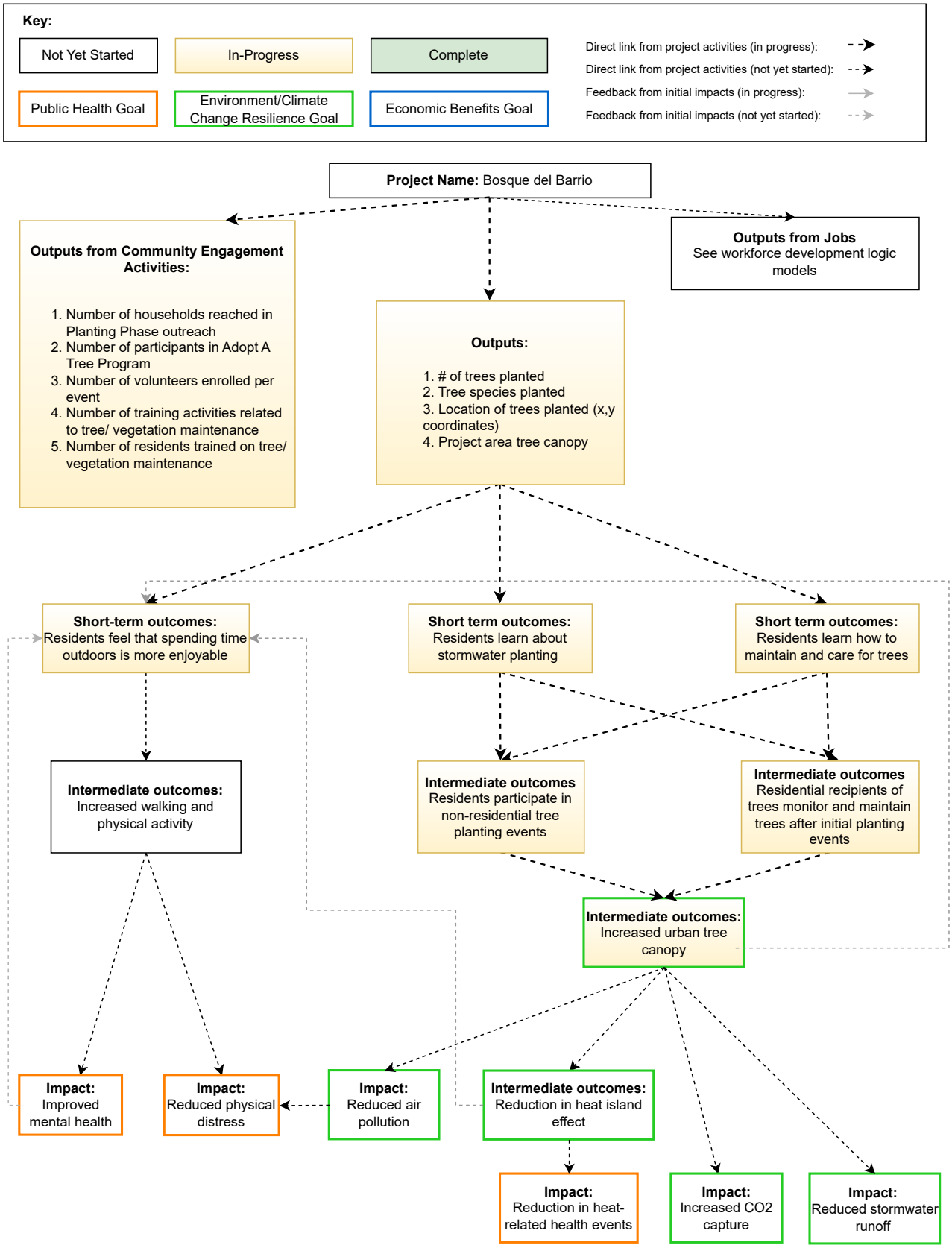
Note: Multiple trees were planted at the same location, which is why the number of dots on the map appears to be fewer than the total of 76 trees planted. Each dot represents a unique site, not the individual tree count.

Project Level Indicators

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

Indicator	Year 1
Trees and Vegetation	
# of trees planted	76
Community Outreach and Engagement	
# of households reached in Planting Phase outreach	209
# of participants in Adopt a Tree program	42
# of volunteers enrolled per event	N/A
# of training activities related to tree/vegetation maintenance	N/A
# of residents trained on tree/vegetation maintenance	N/A

Logic Model


Key:
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In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
Project Name: Bosque del Barrio
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 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
Residents participate in non-residential tree planting events
Intermediate outcomes
Residential recipients of trees monitor and maintain trees after initial planting events
Intermediate outcomes:
Increased urban tree canopy
Impact:
Improved mental health
Impact:
Reduced physical distress
Impact:
Reduced air pollution
Intermediate outcomes:
Reduction in heat island effect
Impact:
Reduction in heat-related health events
Impact:
Increased CO2 capture
Impact:
Reduced stormwater runoff

Universally Accessible Garden

Staff and participants from one of the design sessions.

The Universally Accessible Garden (formerly known as ADA Garden) aims to enhance accessibility in the Project Area by creating a garden on the Richmond Greenway specifically designed for local seniors, those with mobility challenges and other disabilities. In an effort to promote urban connectivity, the garden will located along the Greenway, connected to Unity Park, and adjacent to the e-bike lending library. Community partners helped co-design the garden with such features as raised planting beds with edible and pollinator plants.

During the first year, project efforts were focused on establishing channels for community outreach and engagement & co-designing the garden. People with disabilities, their families and seniors, all participated in a number of participatory design events. A final design was then created by landscape architects, submitted to the City and approved. Construction will begin in Year 2.

Key Accomplishments

- **Facilitated 7+ community workshops with anticipated garden users to identify key design features**
- **Presented at multiple study sessions of the Design Review Board**
- **Design plans reviewed and approved by City's Design Review Board. Construction is slated to begin in 2025.**

Project Level Indicators

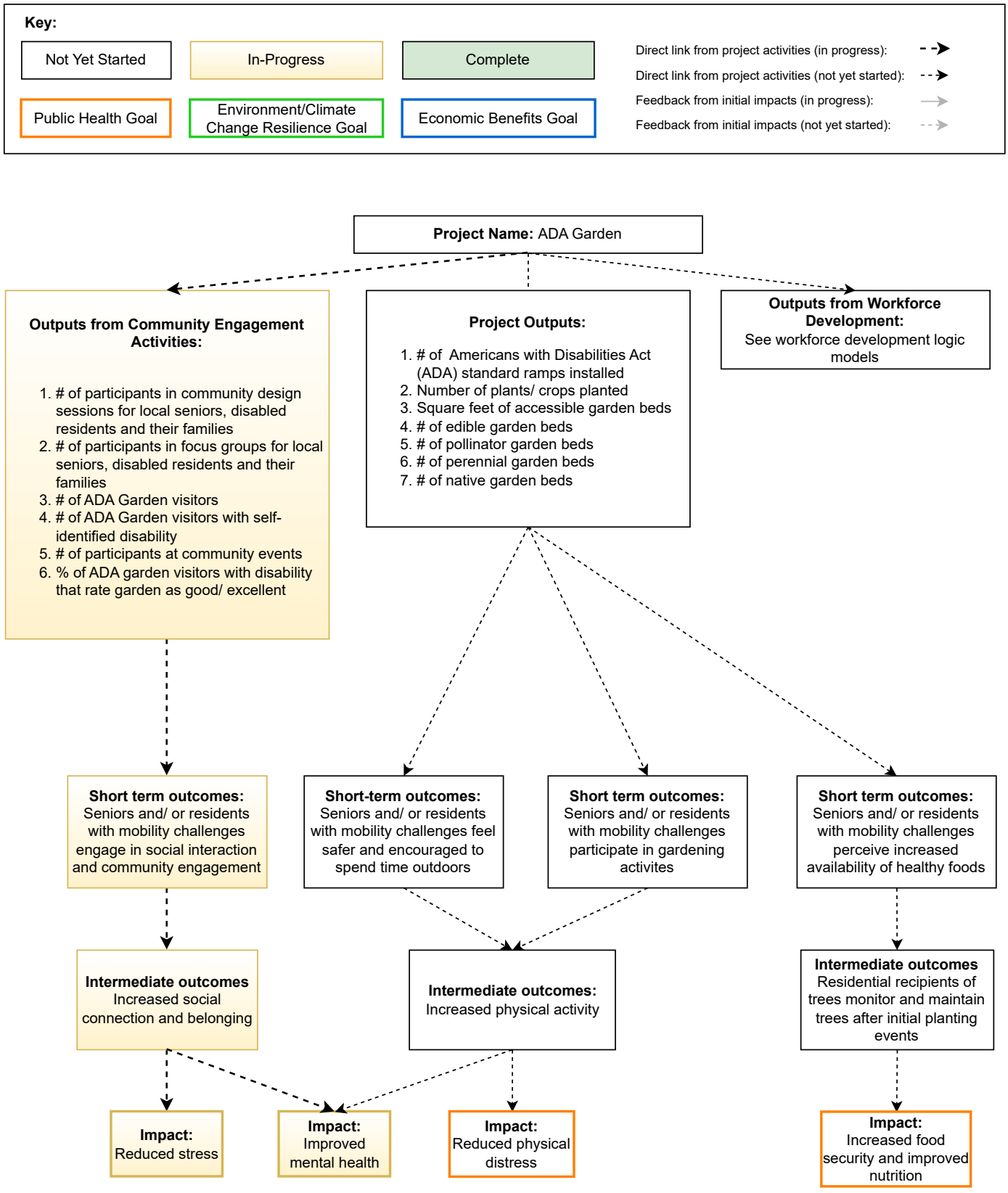
Project: ADA Accessible Garden

Lead Entity: Urban Tilth

Strategy: Health and Well-Being

Indicator	Year 1
Built Environment	
# of American Disabilities Act (ADA) standard ramps installed	N/A
# of plants/crops planted	N/A
Square feet of accessible beds	N/A
# of edible garden beds	N/A
# of pollinator garden beds	N/A
# of perennial garden beds	N/A
# of native garden beds	N/A
Community Outreach and Engagement	
# of participants in community design sessions for local seniors, disabled residents & their families	163
# of participants in focus groups for local seniors, disabled residents & their families	14
# of ADA Garden visitors	N/A
# ADA garden visitors with self-identified disability	N/A
# of participants at community events	36
% of ADA garden visitors with disability that rate garden as good/excellent	N/A

Logic Model


Key:
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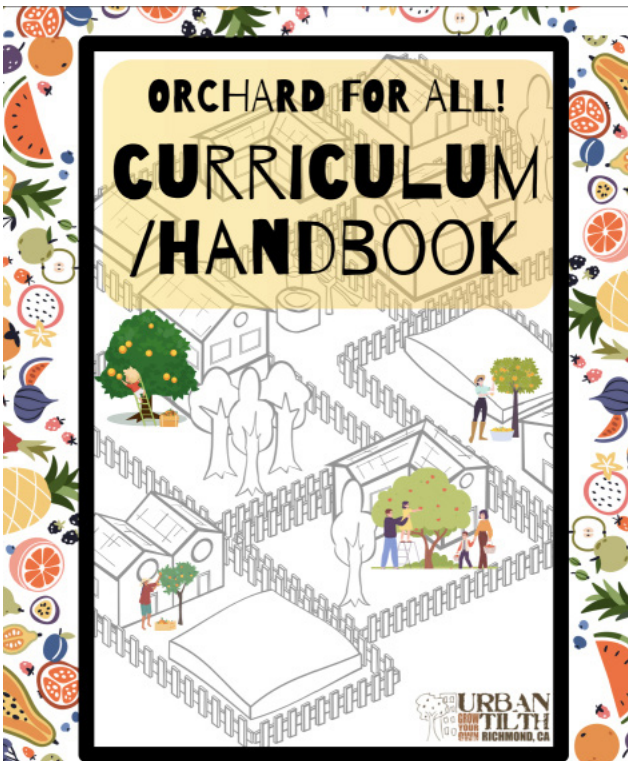
In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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
Residential recipients of trees monitor and maintain trees after initial planting events
Impact:
Reduced stress
Impact:
Improved mental health
Impact:
Reduced physical distress
Impact:
Increased food security and improved nutrition

Orchard for All!

Orchard for All! is a project of Urban Tilth. The project will distribute 2,000 free fruit trees to Project Area residents and create an employment and training program to teach young Richmond residents how to properly plant and care for fruit trees. Excess fruit from these trees will be donated to Urban Tilth's free food distribution programs.

During the first year, the project successfully distributed the first 400 trees to project area residents. Canvassing was conducted in the project area to raise awareness in the community about the project and inform residents of the opportunities available to them. In addition, Orchard for All! launched the first 6-week apprenticeship program for young Richmond residents, with 4 apprentices graduating from the first cohort.



Key Accomplishments

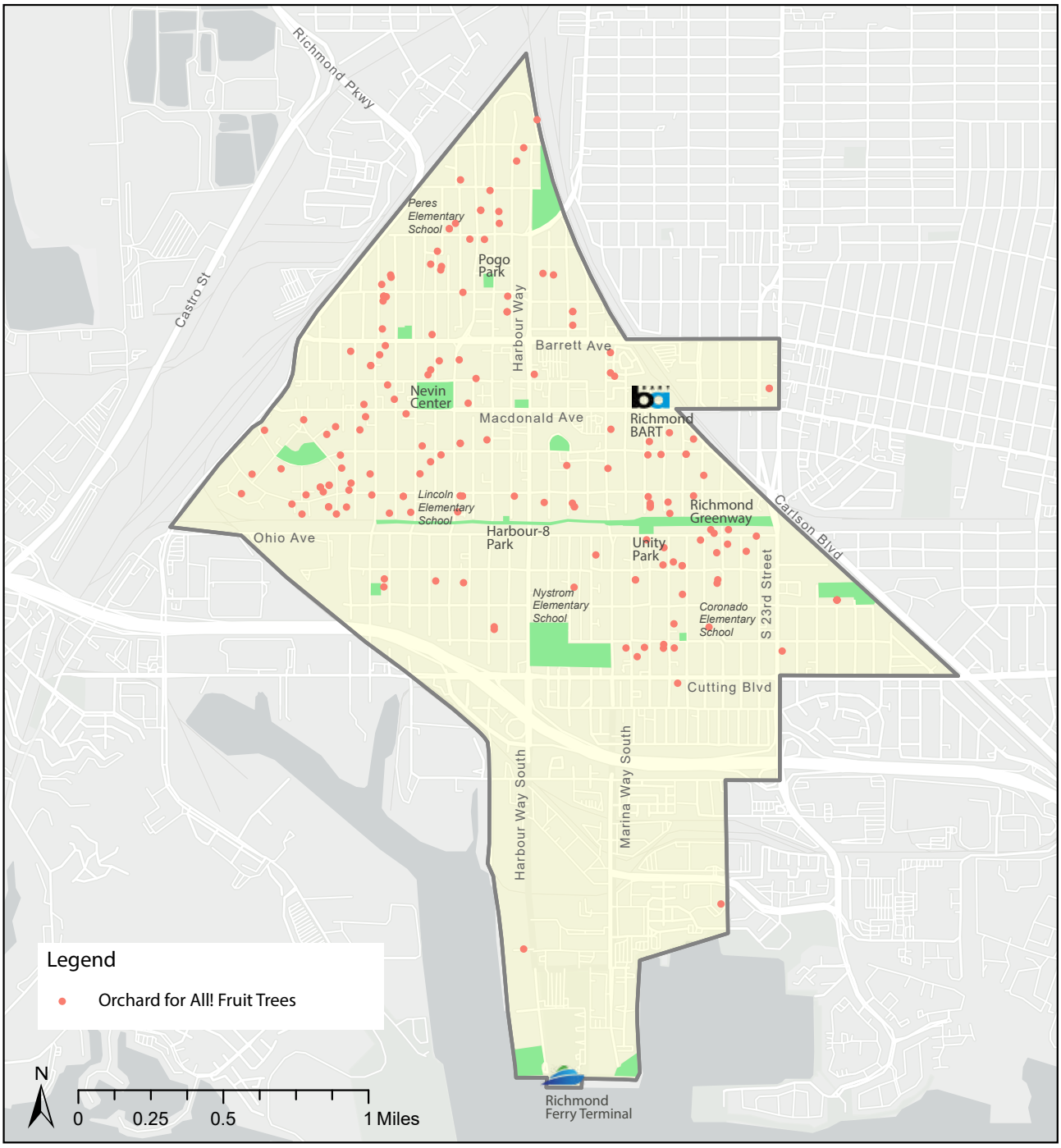
- Distributed 400 trees to residents of the Project Area
- Completed first 6-week apprenticeship program (4 apprentices)
- Published Gleaners Handbook
- Begun publishing a quarterly newsletter with tree care instructions and other materials to fruit tree recipients

Project Level Indicators

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

Indicator	Data Source / Lead
Workforce Development	
# of Gleaners Training program participants	4
# of completed trainings for Gleaners Training Program	1
# of Gleaners Training program graduates hired	0
Community Engagement and Outreach	
# households in project area reached	203
# of signed Gleaners program participant/homeowner agreement contracts	9
# of fruit tree recipient households in project area	400
# of fruit trees distributed	400
# trees in project area receiving maintenance	15
Pounds of fruit harvested	444
Pounds of fruit distributed	444
# of Richmond Fruit Tree Lovers Fruit Tree Care Newsletters disseminated	2

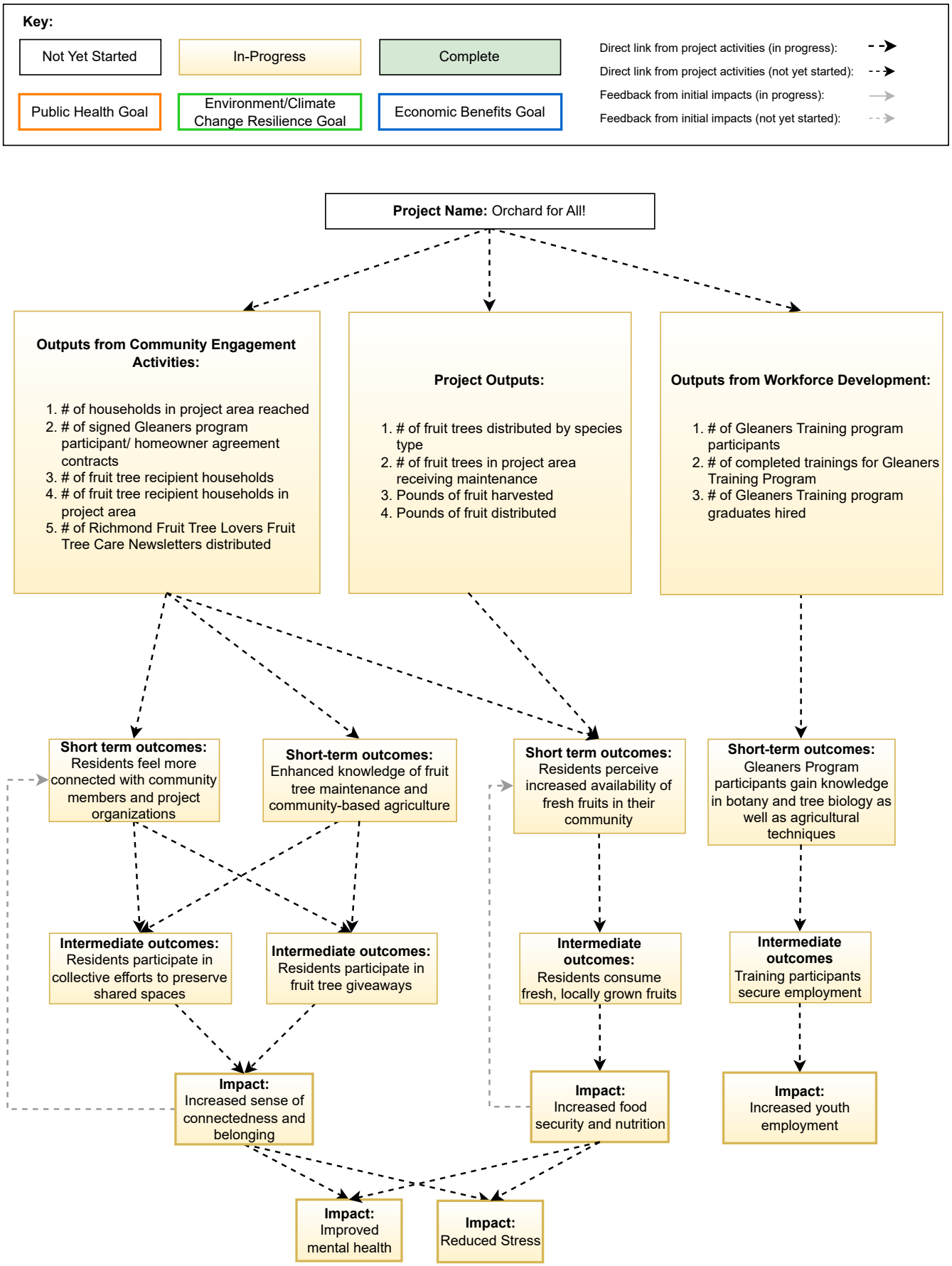
Orchard for All! Distributed Fruit Trees Locations



County of Marin, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, NASA, NGA, USGS, FEMA

Note: some locations received multiple fruit trees, which is why the number of dots on the map is fewer than the total of 400 trees donated. Each dot represents a unique site, not the individual tree count.

Logic Model


Key:
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In-Progress
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Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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

Veggie Rx

Climate Health Promoters Graduation.

Implemented in partnership with LifeLong Medical Care, Veggie Rx is a 'food as medicine' project that prescribes fresh fruits and vegetables as preventative and restorative medicine. Participants receive veggie boxes of locally sourced food free of charge. This project also entails training initiatives such as the HEAT (Healthy Cooking and Eating) Clinic and Train the Trainer program that engage residents on topics such as climate-friendly nutrition, neighborhood resilience, and overall health.

In the first year, the project facilitated a total of 32 Spanish & 45 English HEAT medical groups with 206 Spanish speaking attendees & 318 English speaking attendees. They hired 2 Urban Tilth Community Health Promoters. LifeLong doubled their enrollment of CalAIM patients in the Veggie Rx program.

Key Accomplishments

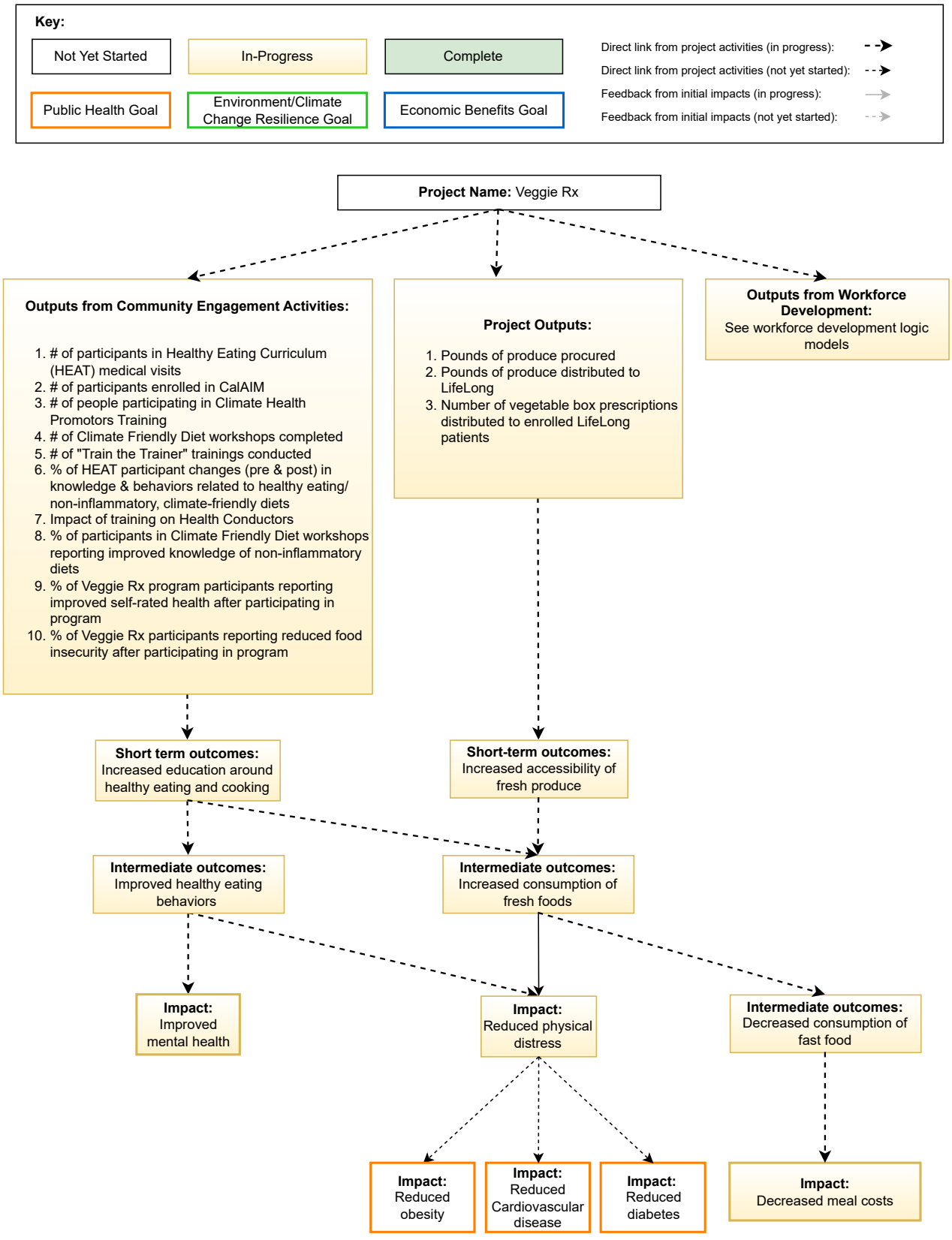
- **Distributed 3,363 produce bags to residents of the Project Area**
  - **86% of produce procured came from family and BIPOC owned farmers**
  - **100% was from organic farming or sustainable farming practices**
- **Developed curriculum and trained the first cohort of 28 Climate Health Promoters**
- **Facilitated 77 HEAT medical groups for people with chronic health problems**
- **Developed a Train the Trainers Program for Community Health Conductors**

Project Level Indicators

Project: Veggie RX
Lead Entity: Urban Tilth
Strategy: Health and Well-Being

Indicator	Data Input
Program Engagement	
Pounds of produce procured	23,172
# of vegetable box prescriptions distributed to enrolled Lifelong patients	3,363
Community Engagement and Outreach	
# of participants in Healthy Eating Curriculum (HEAT) medical visits	524
# participants enrolled in CalAIM	44
# people participating in Climate Health Promoters Training	28
# of people graduating from the Climate Health Promoters Training	28
# of Climate Friendly Diet workshops completed	0
Impact	
% of HEAT participants changes (pre and post) in knowledge & behaviors related to healthy eating/ non-inflammatory, climate friendly diets	N/A
Impact of training on Health Conductors	N/A
% of participants in Climate Friendly Diet workshops report improved knowledge of non-inflammatory diets	N/A
% of participants in Climate Friendly Diet workshops report improved knowledge of non-inflammatory diets	N/A
% of Veggie Rx program participants report improved self-rated health after participating in program	N/A
% of Veggie Rx participants report reduced food insecurity after participating in program	N/A

Logic Model


Key:
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In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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

E-bike Share

E-bike hub outside of City Hall.

The E-Bike Share supports the City of Richmond's efforts to grow the zero-carbon-based transportation infrastructure. The project aims to expand the City's current bike share program and infrastructure by installing and mantaining e-bike hubs. Discounted memberships will be offered to incentivize e-bike use.

During the first year, the project engaged in extensive community engagement to inform the process to identify the location of two E-bike share hubs and installed the first 8 hubs in the project area Community input was collected by participating in community events such as neighborhood council meetings as well as conducting online and in-person surveys.

Key Accomplishments

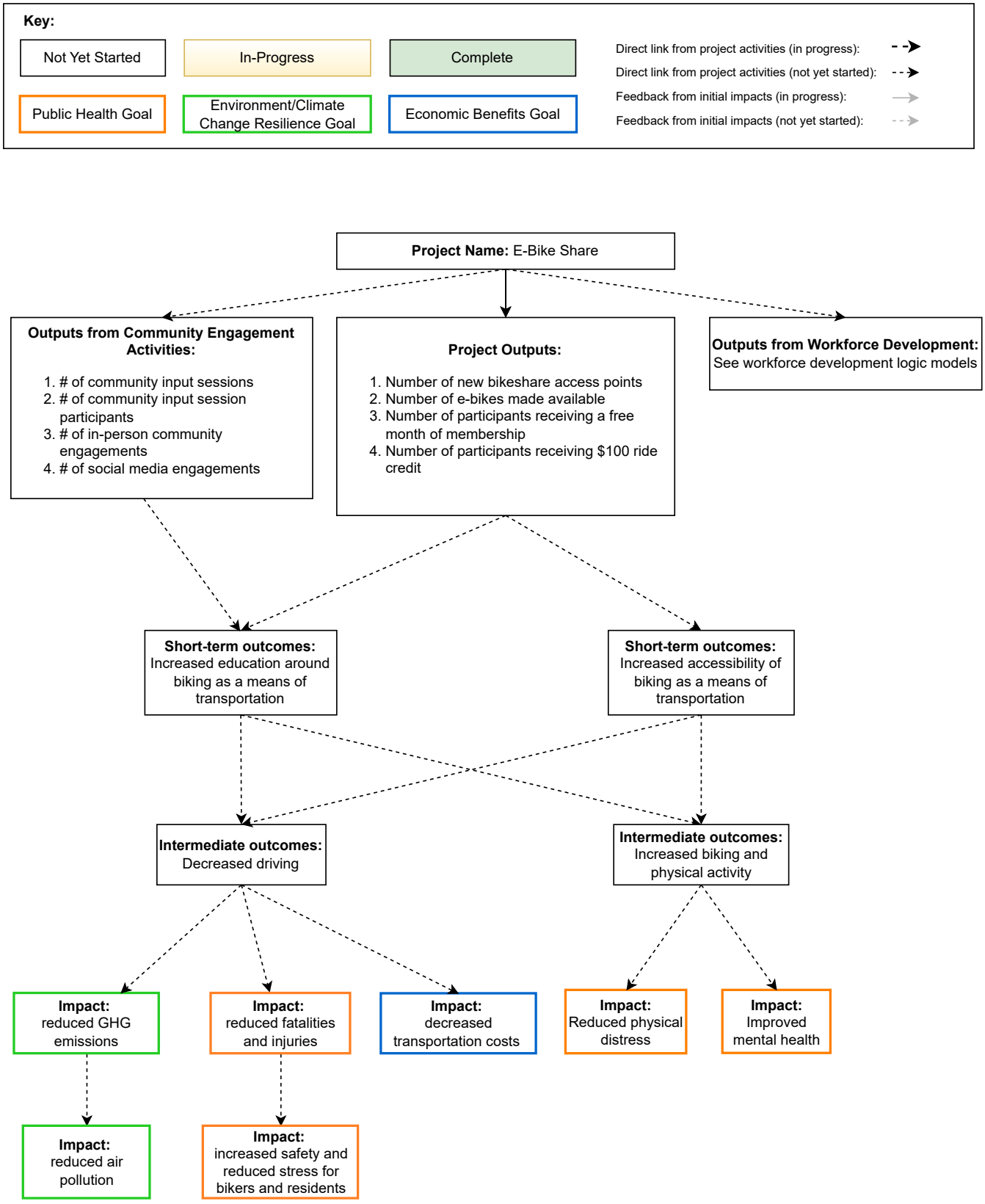
- **Installed 8 bike hubs in the Project Area and continued maintenance of all City hubs**
- **Conducted regular outreach to Project Area residents**
- **Distributed over $50,000 of vouchers to Project Area residents, including:**
  - **485 commuter passes, worth $80**
  - **698 explorer passes, worth $100**

Project Level Indicators

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

Indicator	Data Input
Program Engagement	
# of new bike share access points	8
# of e-bikes made available	70
# of participants receiving a voucher	1,183
Community Engagement and Outreach	
# of community input sessions	7
# of community members engaged	1,200+

Logic Model


Key:
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In-Progress
Complete
Public Health Goal
Environment/Climate Change Resilience Goal
Economic Benefits Goal
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
Project Name: E-Bike Share
Outputs from Community Engagement Activities:
1. # of community input sessions
2. # of community input session participants
3. # of in-person community engagements
4. # of social media engagements
Project Outputs:
1. Number of new bikeshare access points
2. Number of e-bikes made available
3. Number of participants receiving a free month of membership
4. Number of participants receiving $100 ride credit
Outputs from Workforce Development: See workforce development logic models
Short-term outcomes: Increased education around biking as a means of transportation
Short-term outcomes: Increased accessibility of biking as a means of transportation
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

Community Engagement Plan

CSC Meeting.

The Communiry Engagement Plan (CEP) coordinates monthly Collaborative Stakeholder Committee (CSC) as well as facilitates the Youth Fellows Program in partnership with Rich City Rides. The CSC consists of all Project Leads as well as up to 6 community members who live, work, or learn in the Project Area.

In the first year, the CEP hosted the first 8 meetings and coordinated bilingual interpretation in English and Spanish. Moreover, the CEP developed an application and a protocol to appoint community members as part of the CSC committee. Extensive outreach was conducted to ensure residents were informed about the opportunity to join the committee, and applications were evaluated by all members of the CSC committee. A Youth Fellows Program manager was hired.

Key Accomplishments

- **Hosted 8 CSC meetings with bi-lingual interpretation in English and Spanish**
    - **5 community members were approved to be a part of the CSC committee**
- **Attended 19 community events for program outreach**
- **Hired a Youth Fellows Program Manager & developing Youth Fellow Training Modules**
- **Engaged with Neighborhood Councils**

Project Level Indicators

Community Engagement Plan
Lead Entity: City of Richmond

Indicator	Data Input
# of community events attended	19
# of people engaged at community engagement events	1,405
total # of community members from project area engaged	9,351
# 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	0
# of Youth Fellows	0
% Youth Fellows <18 years old by demographics and neighborhood	0
% Youth Fellows from project area & % from other areas in Rich-mond	0
% Youth Fellows by racial/ethnic demographic groups	0
# of community members engaged by Youth Fellows	0
# of Collaborative Stakeholder Committee (CSC) meetings held	8
# of residents attending the CSC meetings	80
# of engagements with RR page on Transparent Richmond	0
# of visits to City's and project partners' websites	571

Logic Model

Key:

Not Yet Started | In-Progress | Complete

Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):

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

Intermediate outcomes: Higher attendance at community engagement events

Impact: Increased awareness of TCC projects and initiatives among the community members who attend the events

Short term outcomes: Enhanced dissemination of information

Intermediate outcomes: More materials distributed to stakeholders, categorized by language

Impact: Enhanced understanding of project details and goals among stakeholders

Impact: Increased 'hits' or 'views' of Transparent Richmond projects and data

Impact: Improved transparency and accessibility of project information

Impact: Better informed stakeholders and increased trust in TCC initiatives

Short-term outcomes: Diverse representation and perspectives

Intermediate outcomes: Capturing fellows' stories and views of projects

Impact: Enhanced inclusivity and representation across various age groups

Impact: Increased connection and engagement with community

Short-term outcomes: Effective collaboration and decision-making

Intermediate outcomes: Leveraging community events with other Richmond public processes

Impact: Strengthened collaboration among stakeholders

Impact: Effective implementation of project plans

Displacement Avoidance Plan

ADU Toolkit workshop.

The Displacement Avoidance Plan (DAP) is responsible for the development and adoption of a Renter Access Ordinance, Community Land Trust policy, ADU toolkit, Buy Local Campaign, and Façade Improvement Pilot Program for businesses in the Project Area.

In the first year, the project gathered community input to inform the design of the ADU Toolkit and launched a pilot program. The Community Development Department developed the Equitable Public Land Disposition Policy, which was adopted by the City Council. The Economic Development Department has solicited consultants for a buy-local marketing campaign as well as a Small Business Beautification Pilot Program.

Key Accomplishments

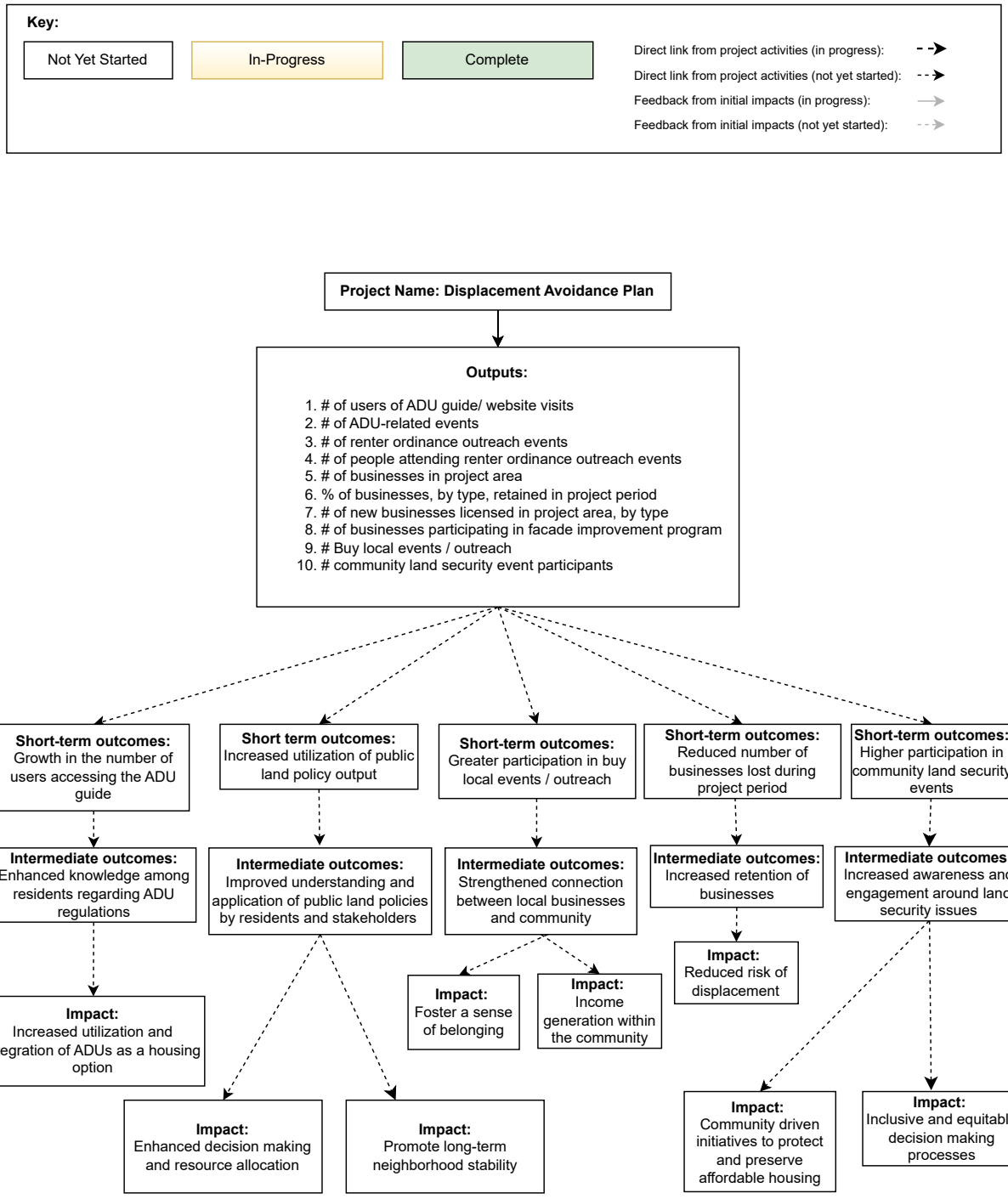
- **Developed the Equitable Public Land Disposition Policy, which was adopted by the City Council on March 19, 2023**
- **Solicitation for consultants for buy-local marketing campaign and Small Business Beautification**
- **Drafted ADU Toolkit, including input from an ADU townhall and outreach during other City events**

Project Level Indicators

Displacement Avoidance Plan
Lead Entity: City of Richmond

Indicator	Data Source Input
# of visits to ADU guide website	0
# of ADU-related events	1
# of renter ordinance outreach events	0
# of people attending renter ordinance outreach events	0
# of ADUs built using City's pre-approved ADU plans	0
# of businesses in project area (2024, estimate is 500 in project area)	490 (excluding rentals)
% of business, by type, retained in project period	n/a
# of new businesses licensed in project area, by type	0
# of business participating in facade improvement program	0
# of Buy Local events/outreach	0

Logic Model


Key:
Not Yet Started
In-Progress
Complete
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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: Enhanced decision making and resource allocation
Impact: Promote long-term neighborhood stability
Impact: Foster a sense of belonging
Impact: Income generation within the community
Impact: Reduced risk of displacement
Impact: Community driven initiatives to protect and preserve affordable housing
Impact: Inclusive and equitable decision making processes

Workforce Development & Economic Opportunities Plan

The Workforce Development and Economic Opportunities Development Plan (WDEOP) aims to reduce barriers to clean-energy careers for project area residents through recruitment, development, and implementation of immersive training experiences.

In the first year, the project hired a consultant to begin drafting a Place-Based Workforce Development Plan and a Trainer. Some project challenges to implementation were that there was a delay in hiring program staff. Further, the recruiting team had turnover/low capacity for staff positions in Year 1.

Key Accomplishments

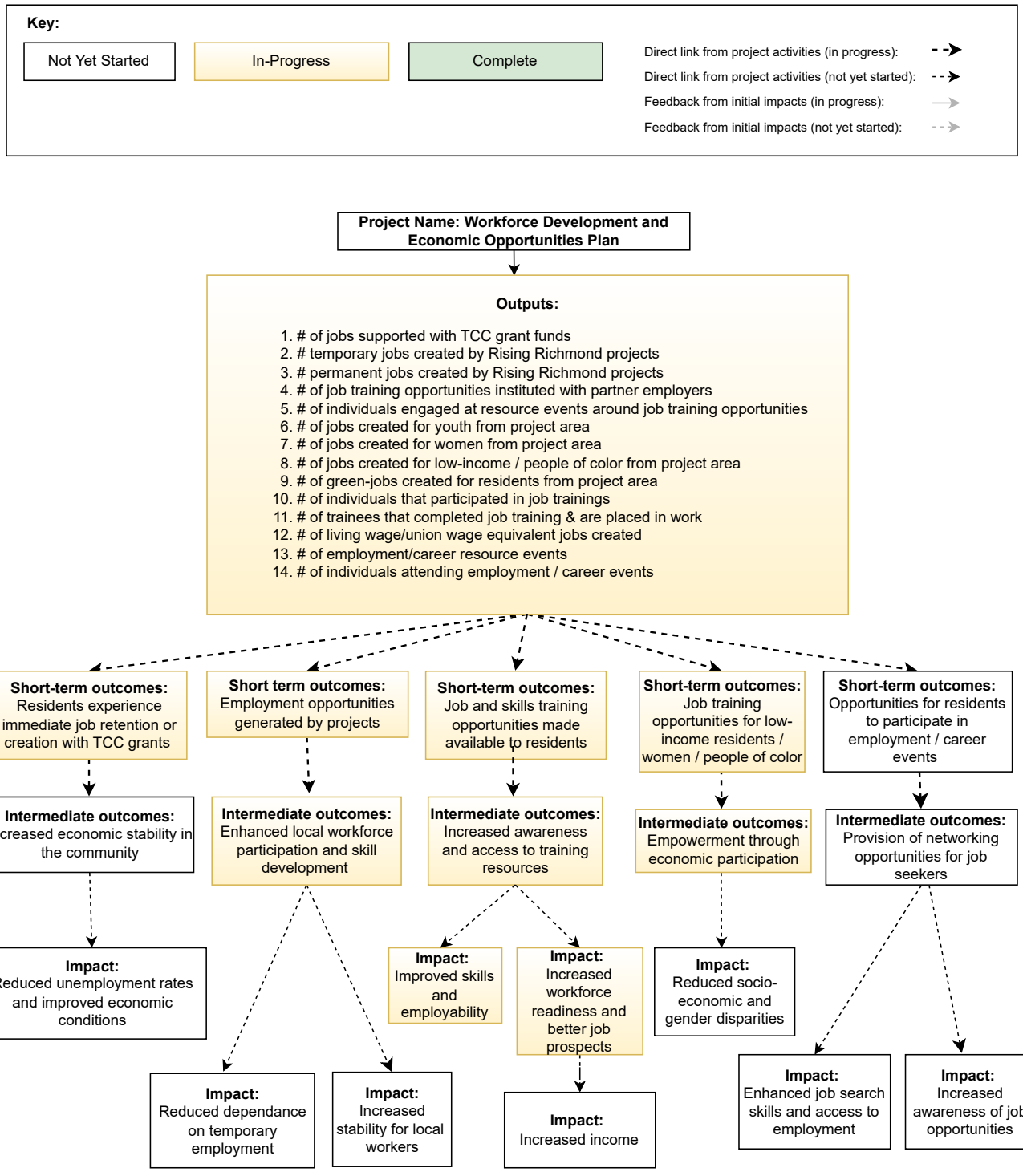
- **RichmondBUILD reserved 5 placements for Project Area residents for newest cohort (beginning August 2024)**
- **GRID Alternatives finalized curriculum for their solar training program and was able to hire a Trainer to lead the classroom and lab components of the program**
- **Contracted and onboarded consultant (Glen Price Group) to conduct a Place-Based Workforce Development Strategy and Implementation Plan.**

Project Level Indicators

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

Indicator	Year 1
# of jobs supported with TCC grant funds	N/A
# of temporary jobs created by RR projects	N/A
# of permanent jobs created by RR projects	0
# of job training opportunities instituted with partner employers	N/A
# of individuals engaged at resource events around job training opportunities	150
# of jobs created for youth from project area	0
# of women hired from project area	N/A
# of low-income/people of color hired from project area	N/A
# of residents from the project area hired in green-jobs	N/A
# of individuals that participated in job trainings	50
# of trainees that completed job training & are placed in work	N/A
# of living wage/union wage equivalent jobs created	N/A
# of employment/career resource events	4
# individuals attending employment/career events	N/A

Logic Model


Key:
Not Yet Started
In-Progress
Complete
Direct link from project activities (in progress):
Direct link from project activities (not yet started):
Feedback from initial impacts (in progress):
Feedback from initial impacts (not yet started):
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