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Acknowledgment

The Living Better Lives Community Transportation Needs Assessment (CTNA) was made possible through our partners' and contributors' collaborative efforts and unwavering support. We extend our heartfelt gratitude to Clean Mobility Options, the California Air Resources Board, and the Monterey Bay Air Resources District for their vital resources and guidance throughout this process.

Thank you to Yuri Anderson and Wendy Askew of District 4, for their steadfast dedication and leadership in our community. We also sincerely appreciate The Power Plant Coffee's hospitality, community spirit, and hosting location for community forums and feedback, Saeed Enterprises' creative expertise, and invaluable contributions to Living Better Lives pilot program as a location hub and partnership at 6th Avenue Studios.

Finally, we are immensely grateful to all our volunteer community partners who amplified the reach of our efforts by distributing the survey through their networks. Together, we drive meaningful change for a better, more connected future.

Executive Summary

The Living Better Lives Community Transportation Needs Assessment (CTNA) program helps to reduce transportation barriers and encourage equitable mobility for AB 1550 and SB 535 target communities of Seaside, Marina, Salinas, and other less-provided areas. Suffering from climate and socioeconomic disparities, those living in these areas and deprived of equal transport opportunities will also benefit from efforts aimed at bridging transportation divides and providing equitable access to environmentally friendly and affordable transport. This is a strategic CTNA that seeks to respond to transport problems in order to enhance sustainable transport. Of this, this effort aims at advancing the use of clean commuting and people's shared transport such as bicycles with electric motors (e-bikes).

Scope and Approach

Living Better Lives is embarking on a strategic initiative to engage residents of Monterey County through direct outreach and data collection. In this assessment, Living Better Lives seeks to understand our community travel habits, preferences, and aspirations for improved transportation systems. Through community engagement, in-person surveys, focus group workshops, and outreach events, the CTNA aims to:

- Our community members play a crucial role in this initiative. Their insights will help us identify transportation gaps, needs, and priorities, ensuring our solutions are genuinely community-driven.
- We aim to introduce the Harmonie-Bikes library program as a clean mobility solution and option and educate our residents about their benefits and role in sustainable transportation.
- By collaborating with stakeholders and local organizations, we aim to co-create actionable, community-specific solutions to regional transportation challenges.

Community-Centered Strategy

In partnership with Clean Mobility Options, the California Air Resources Board, the Monterey Bay Air Resources District, and local organizations, the CTNA prioritizes community voices to drive equitable and sustainable transportation planning. Key strategies include:

- **Engaging AB 1550 and SB 535 Communities:** Ensure the needs and priorities of disadvantaged communities are central to transportation solutions.
- **Survey distribution and ongoing outreach:** collaborate with trusted partners to gather actionable data, ensuring the assessment reflects community-specific challenges and aspirations.
- **Empowering Youth and Local Members:** Endow participants with the performative knowledge and praxis to translate into active mobility ambassadors that enhance the sustainability as well as transportation equity in their societies.

Expected Outcomes

The CTNA will produce actionable recommendations based on community feedback, data analysis, and collaborative input, resulting in:

1. **Identification of Transportation Gaps and Needs:** The best method was utilized to identify the challenges that the communities under AB 1550 and SB 535 face. These range from direct community sampling using questionnaires, focus group sessions, participation in community meetings and celebrations and finally data review to ensure that all prospective areas are covered as identified in the gaps and needs message.
2. **Highlighted Barriers and Opportunities:** Knowledge about sustainable transportation problems and the possibility of using clean mobility.
3. **Equitable Recommendations:** effective initiatives aimed at reaching out for cleaner transportation choices available to communities with lower income, specifically, electric bikes.

The findings will inform fair, sustainable investment in transport infrastructure, to guarantee solutions meet these communities' needs.

Vision

This goal is supported by the Living Better Lives CTNA, which seeks to replace limited transportation access that hurts the poor with clean mobility choices. Under discussion is a revolutionary project for AB 1550 and SB 535 communities. This initiative aims to:

1. **Create an E-Bike Library:** Establish an E-Bike Library for community members and youngsters to rent electronic bikes.
2. **Skill Development Opportunities:** Attendees will explore green occupations including e-bike maintenance and repair, sustainable transportation, and more.
3. **Encourage eco-conscious mobility:** A community ride and workshop will bring locals together to practice practical skills and promote environmental awareness via transportation.

The organization's HarmoniBikes Rideshare and Delivery Program centers on this objective. Participants may borrow e-bikes, learn how to fix them, participate in community e-rides to free streets, and learn about e-bike jobs. With active adolescents pursuing sustainable lives, this program builds community and reduces environmental sacrifice.

The Living Better Lives CTNA will help construct sustainable and economically resilient transportation networks by assessing the mobility requirements of AB 1550 and SB 535 communities. It will also prepare kids for environmentally responsible employment, establishing a sustainable financial and environmental future.

Purpose and Goals

The CTNA considers minority issues and concerns while developing accessible and sustainable transportation initiatives. This project is centered on variety, sustainability, and prosperity.

Objectives include:

1. Health care transportation—needs and deficits, and LHHF Six/Bar barriers.
2. Informing locals about sustainable services like HarmoniE-Bikes Rideshare and Delivery.
3. Launching a solid subscription bike rental service for citizens, schools, non-profits, workplaces, and enterprises.

Key Findings

1. Transportation Gaps

Little use of public or other forms of transport because there are options readily available depending on use of private cars.

Some risks are for safety because most streets do not have bike lanes and sidewalks that accommodate pedestrians.

2. Community Barriers:

Cost is a major discouragement to the residents whenever they are to think of procure new eco-products such as e-bikes.

Many disabled people are still in the dark regarding mobility programs and the sources of funding for the same.

3. Opportunities:

Strong interest in a subscription-based e-bike library to provide affordable access to e-bikes for commuting, errands, and leisure.

Demand for workforce development initiatives, such as e-bike repair and green pathway training programs.

HarmoniE-Bikes Subscription Model

The CTNA incorporates a subscription-based bike library, offering a flexible and affordable solution to address transportation inequities.

1. Access:

- Affordable subscription plans for individuals, families, and local businesses.
- Tiered pricing with options for daily, weekly, and monthly plans.
- Subsidized rates for AB 1550 and SB 535 community members.

2. Integration:

- Making transit connection with local transit terminals for one stop travelling to multiple destinations.
- Fleet delivery service for businesses and people to be provided through the HarmoniE-Bikes Rideshare.

3. Training and Engagement:

- Competition, workshops, and repair training as part of the monthly subscription package help users embrace the device.
- Introduce integrated programs for youngsters to learn about e-bike maintenance and logistics.

Expected Outcomes

The CTNA will result in a comprehensive summary report that:

1. Identifies transportation gaps and barriers faced by various Marina and Seaside, CA communities.
2. Proposes practical, community-driven solutions, including the e-bike library and subscription model.
3. Maps pathways to more significant transportation equity and sustainability.

Conclusion

The Living Better Lives CTNA is committed to equitable, sustainable, innovative transportation solutions. The addition of the HarmoniE-Bikes Subscription-Based Library provides a scalable and affordable way to integrate e-bikes into the daily lives of community members while addressing transportation challenges and promoting green career pathways. This model ensures meaningful access to clean mobility, enhances community connectivity and supports economic and environmental resilience.

Introduction

Purpose of the Community Transportation Needs Assessment (CTNA)

The Living Better Lives Community Transportation Needs Assessment (CTNA) aims to evaluate transportation gaps, identify community preferences, and propose sustainable solutions to improve mobility for underrepresented areas in the Seaside, Marina, Salinas, and nearby regions. This initiative targets explicitly communities designated under AB 1550 and SB 535 criteria, focusing on enhancing equitable access to transportation resources.

Project Team

Key Partners

1. **Living Better Lives (LBL)**
 - **Role:** Lead organisation responsible for project coordination, community engagement, and reporting.
 - **Focus Areas:** Community outreach, data collection, and development of actionable recommendations.
2. **Clean Mobility Options (CMO) Voucher Pilot Program**
 - **Role:** Funding provider and technical advisor, ensuring the assessment aligns with state-wide equity and environmental goals.

- **Focus Areas:** funding, program guidelines, and technical assistance to support the CTNA.
- 3. **Monterey Bay Air Resources District (MBARD)**
 - **Role:** Local partner supporting outreach and program alignment with regional environmental initiatives.
 - Current program information.
 - **Focus Areas:** air quality improvement, sustainability advocacy, and stakeholder coordination.
- 4. **Community Stakeholders**
 - **Partners:** Local organisations, nonprofits, and community leaders actively participated in designing and disseminating surveys and engagement activities.
 - **Focus areas:** amplifying community voices, especially those in SB 535 and AB 1550-designated census tracts.

Project Background

Transportation systems are critical in providing access to essential services, employment opportunities, and social connections. However, a range of challenges affect these populations, including the accessibility of public facilities, lack of physical security, and transport costs. This assessment aims to determine these challenges through gathering adequate information, multi-stakeholder consultation and community mobilisation.

Key elements of this assessment include:

Community Engagement: Collect experience-based information through the arranging of events, sporting events, meetings, focus groups, workshops, and other outreach activities.

Data-Driven Analysis: Survey results, data from the last census, and relevant literature on the issue of transportation at the centres.

Empowerment Initiatives: Out, we release initiatives such as the HarmoniE-Bikes Rideshare, a delivery program made up of both an e-bike library and green pathway training programs for young people.

Alignment with AB 1550 and SB 535 Goals

Its funding strategy is consistent with the goals of AB 1550 as well as SB 535 in that each invests in disadvantaged communities experiencing a high degree of socioeconomic and environmental injustice. This includes eradicating transport disparities, low-emission mobility, and generating wealth through green transport solutions.

Objectives

The CTNA seeks to:

1. Assess the transportation needs, deficiencies, and obstacles among the populations affected by AB 1550 and SB 535.
2. Enhance the accessibility of sustainable mobility options for the community, including bicycles, e-scooters, and more efficient transportation systems.
3. Propose measures to improve transportation fairness, efficiency, economic effect, and connectivity.

This study is a collaborative effort among community members, organisations, and agencies, including collective proposals for imagining a reformed and enhanced society.

Project Summary:

The Living Better Lives will provide and undertake a Community Transportation Needs Assessment to Seaside, Marina, Salinas and other surrounding underrepresented areas. The assessment will identify transportation gaps, needs, preferences, and priorities through on-the-ground canvassing and outreach events to educate community members about electric bikes. In addition, the needs assessment will incorporate a community youth empowerment program to increase education and outreach activities. The needs assessment will result in a summary report identifying the connection between underrepresented communities and access to sustainable transportation.

Selection of the Project Area

Marina was chosen for this project because it is designated as a disadvantaged community under California's Senate Bill 535 (SB 535). This designation identifies areas disproportionately affected by environmental pollution and socio-economic challenges, making them eligible for targeted investments to improve public health and economic opportunities.

[OEHHA](#)

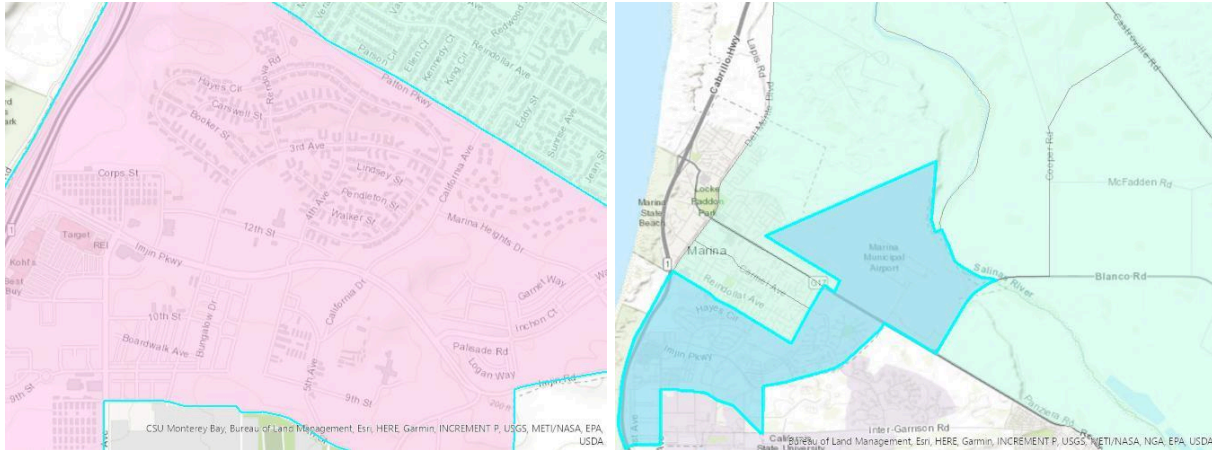
By focusing on Marina, the project aims to address specific local needs and leverage available resources to foster community development.

Census Tracts within the Project Area

The project area includes several census tracts identified as disadvantaged under SB 535. These tracts have been recognised based on criteria such as pollution burden and socio-economic factors

[OEHHA](#)

Utilising the CalEnviroScreen tool, these tracts are mapped to guide investments and interventions effectively.



Status Both SB535 & AB1550 Census Tract 6053014102

Historical Context Leading to Transportation Inequities

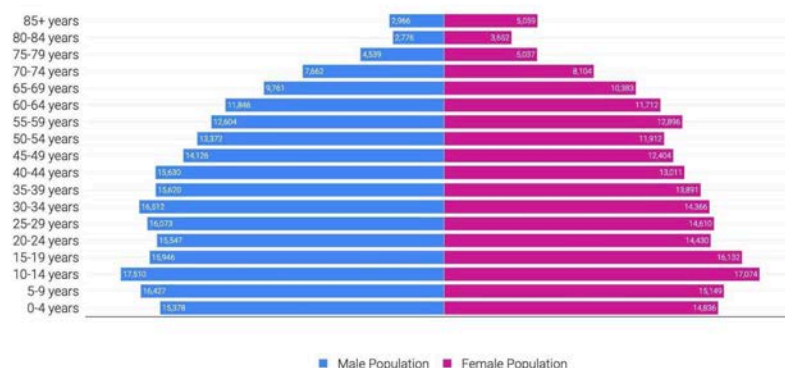
Historically, Seaside and Marina have experienced significant underinvestment in transportation infrastructure, particularly in designated areas. Several factors have contributed to these inequities.

- Decades of suburban development have focused on creating car-dependent infrastructure, neglecting public transit and active transportation options.
- Economic Disparities: Limited funding for public works projects in low-income neighbourhoods has worsened mobility challenges.
- Environmental Burdens: The coastline and marina need better transit planning and investment. Reduced participation in sustainability programs, including clean mobility initiatives.
- The seaside and marina need better transit planning and investment. Cutting funds for public transportation and facilities not geared to help impoverished people has further hampered their mobility. Knowing this history is vital as we strive to develop methods to help society achieve transportation fairness.

Demographic Information Relevant to the Needs Assessment

Monterey County, CA population pyramid

A wide base suggests population increase, narrow base indicates declining birth rates.

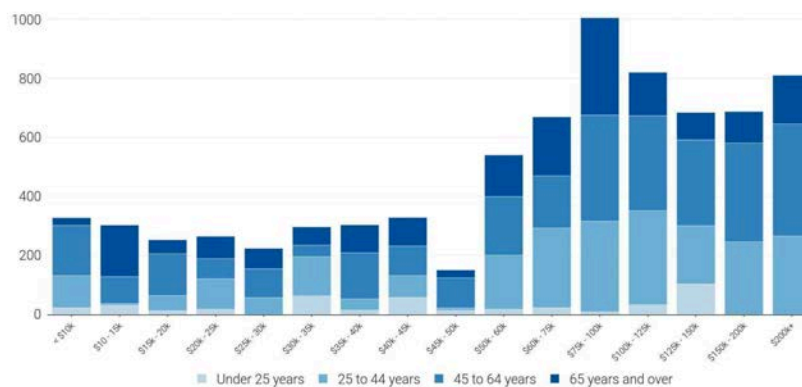


Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021 5-Year Estimates

Neilsberg

Marina, CA households distribution by income bracket and age group

Number of households, by income brackets & age groups

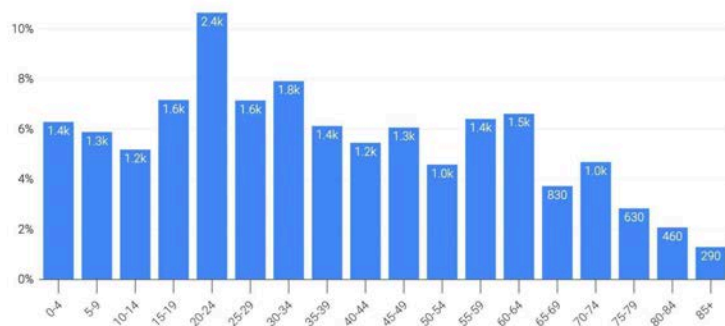


Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021 5-Year Estimates

Neilsberg

Marina, CA population by age group

The largest age group is 20-24 years with a population of 2,368 (10.64%)



Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021 5-Year Estimates

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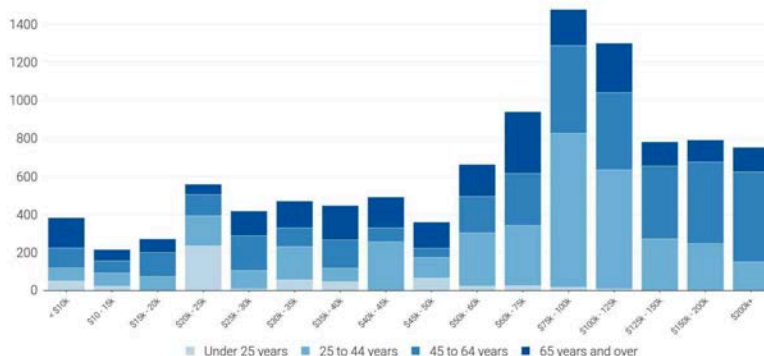
Marina’s population is comprised of diverse, and a considerable number of residents belong to different ethnic and social statuses. The community represents people of different ages, incomes, and education levels. For instance, a significant number of people fall under low-income classes, which correlates with the low-income class as defined by Assembly Bill 1550 (AB 1550).

CalEPA

. This demographic information is very important when focusing on the specific needs of all the residents of Marina that the project will meet.

Seaside, CA households distribution by income bracket and age group

Number of households, by income brackets & age groups

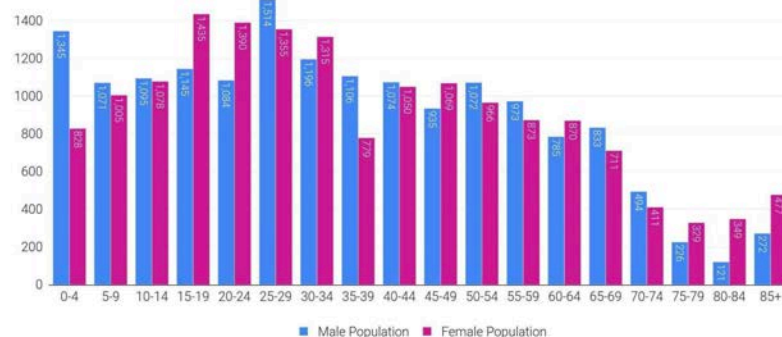


Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021 5-Year Estimates

Neilsberg

Seaside, CA population by gender & age

Largest age group (population) : Male # 25-29 years (1,514) | Female # 15-19 years (1,435)



Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021 5-Year Estimates

Neilsberg

Seaside, California: Demographics and Environmental Challenges

Seaside is a city in Monterey County and comprises a diverse population with a large Hispano/Latino population. Those risks of environmental surroundings are possible threats: closeness to former military territories and industrial zones may cause pollution and health problems for the city. This title applies to the CalEnviroScreen, which evaluates environmental, health, and social disparities to measure degrees of pollution exposure and susceptibility. The designation of SB 535 is to assess these communities' transportation requirements so that positive impacts on public health, quality of life, as well as economic opportunities could be opened. Known in CalEnviroScreen evaluations to measure risk and establish its suitability for funding programs and projects.

Why This Project Area?

The census tracts identified as SB 535 and AB 1505 areas of Seaside and Marina were chosen for the CTNA because they complement the Goals and Objectives of the CMO:

- Reduce greenhouse gas emissions.
- Promote equity in mobility.
- Serve disadvantaged and low-income communities.

These areas also have a high demand for transportation and present possibilities to start implementing experimental solutions for such demands, like the proposed HarmoniE-Bikes Rideshare and Delivery Program corresponds to the local challenges.

<https://htaindex.cnt.org/total-driving-costs/?mapR=310045,-121.77904189839717,36.67752220196806,11.671282053275135,place,2298>

Community Transportation Needs Assessments

The **Clean Mobility Options Voucher Pilot initiative**, or CMO for short, is a pilot initiative that is part of California Climate Investments' wider strategy to promote sustainable, zero-emission transportation in disadvantaged and low-income regions. A CALSTART and Local Government Commission initiative that finances projects aimed at reducing greenhouse gas emissions, increasing access to greener transportation, and improving public health.

CMO is financed by **California Climate Investments (CCI)**, a program that uses Cap-and-Trade monies to decrease greenhouse gas emissions in the state. The majority of these monies are set aside for initiatives that improve the status of the natural environment and promote equality among disadvantaged communities. CMO also assures that part of this money is allocated to sectors impacted by pollution and socioeconomic disadvantages.

The CTNA is a vital starting point for assessing mobility difficulties and potential in disadvantaged areas. This method is vital for recognising constraints, generating fresh thoughts, and promoting fair and effective sustainable transportation solutions.

The three CMOs need assessment critical requirements:

1. **Inclusive Community Engagement:** Include disadvantaged and low-income groups in the evaluation process. To ensure more people inform mobility solutions, this involves surveys, focus group interviews, meetings and presentation discussions.
2. **Data-Driven Insights:** Analyzing transport inadequacies, mobility, population ageing, and transportation issues. This includes public transportation access, private automobile ownership, and car sharing.
3. **Actionable Recommendations:** Provide a brief with concrete ways to mitigate transportation disadvantages. These suggestions provide ways to implement creative, sustainable transportation solutions that match community goals.

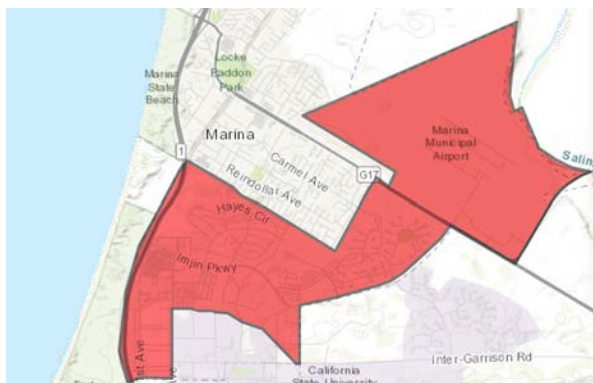
This requirements assessment shows clean transportation restrictions and disruption. Sustainable mobility requires resident, investor, and local government collaboration. This evaluation helps provide the basis for CMO implementation vouchers and other funding alternatives depending on mobility needs and preferences. Thus, the CTNA's results are crucial to mobility fairness and California's climate and sustainability goals.

Purpose of the Report

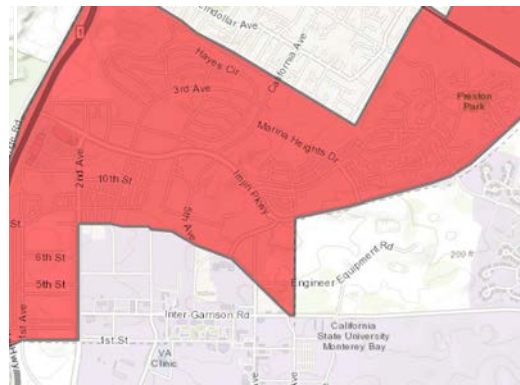
This research seeks to assess the proposed project's need to provide services to the communities of Marina-Seaside and the adjoining rural areas. The report will focus on why some services and interventions should be adopted and leave out others by evaluating the best-fit services for the community. Further, it will prove useful for the interests of shareholders and lawmakers and allow them to learn more about the goals of the project and the projected outcomes in the Monterey County population.

Key Objectives

- **Identify Community Needs:** Identify technological challenges specific to people's lifestyles, such as transportation and service access.
- **Propose targeted interventions:** interventions that fulfil pre-defined needs and efficiently utilise existing resources and financing.
- **Engage stakeholders:** To ensure project success and sustainability, stakeholders, including community members, leaders, organisations, and policymakers, must be engaged. Our initiative enhances Seaside and Marina inhabitants' quality of life by providing equitable transportation and other services.



Project Area Fig. 1.



Project Area Fig. 2.

Current State of Transportation

Seaside and Marina's transportation system is made up of local roads, public transport systems and bike lanes. Residents require additional options in public transportation in order to address their connectivity problems with more priority for the less fortunate in society. Considering these

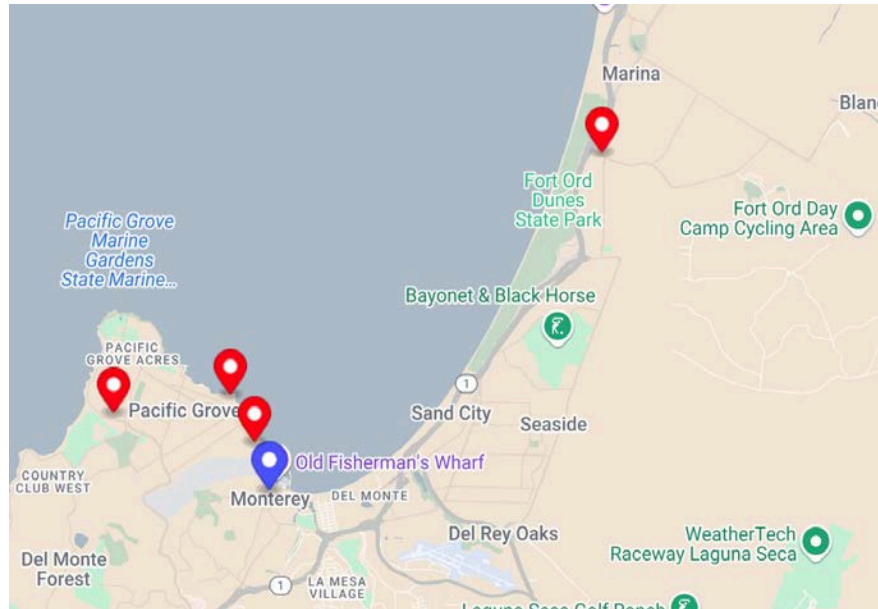
gaps in transportation policies, fixing these transportation disparities is very important in order to strengthen accessibility to these services within the community.

The transportation landscape in the project area includes a mix of public and private options, though coverage is inconsistent:

- Public Transit: Monterey-Salinas Transit (MST) operates buses, but limited routes and infrequent service times restrict access for many residents.
- Active Transportation: Infrastructure for walking and biking is minimal in many areas, and there are safety concerns and gaps in connectivity. For more information, please visit [chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://dot.ca.gov/-/media/dot-media/programs/local-assistance/documents/atp/2024/atp-fact-sheet-spring2024.pdf](https://dot.ca.gov/-/media/dot-media/programs/local-assistance/documents/atp/2024/atp-fact-sheet-spring2024.pdf)
- Transportation Agency for Monterey County: the program offers tools, programming, and resources to schools, guardians, and communities to improve safety and traffic around our schools. TAMC aims to keep every child safe and healthy by reducing the number of students involved in collisions to zero. For more information, visit: <https://saferoutesmonterey.org>
- Shared Mobility: While ride-sharing services exist, such as Uber and Lyft, their adoption has been very limited by affordability and accessibility challenges.

- The California E-Bike Incentive Project offers point-of-sale incentives of up to \$2,000 to assist in purchasing a new electric bicycle (e-bike). This incentive from the state can be combined with the incentives provided by the Monterey Bay Air Resources District (MBARD). Through this program, MBARD provides \$1000 to low-income applicants in the Monterey, San Benito, and Santa Cruz Counties to purchase a Class 1, 2, or 3 electric bicycles priced between \$1000 and \$4000. Applicants must meet low-income qualifying criteria before applying. For more information, please visit <https://ebikeincentives.org>.

Below are the locations currently authorised where the community can utilise the voucher.



Methods

The methodology for the **Community Transportation Needs Assessment (CTNA)** was structured to comprehensively evaluate transportation gaps, identify mobility needs, and propose actionable recommendations. This process adhered to the Clean Mobility Options (CMO) guidelines, emphasising inclusivity, environmental impact, and equity for SB 535 and AB 1550 communities.

The project area encompasses the city of Seaside and Marina, California, situated on the Monterey Peninsula along the central coast. Marina has its residential neighbourhood, commercial areas, and natural regions such as dunes and marshy lands. The physical space is characterised by a density of suburbia with interspersed greens to support projects that are beneficial to the community.

Timeline

The Living Better Lives: Community Transportation Needs Assessment (CTNA) timeline identifies the major activities in planning and executing the assessment.

Phase	Duration
Survey Development	2–4 weeks
Survey Distribution & Collection	4–6 weeks
Focus Groups	3–5 weeks
Community Engagement	Ongoing
Data Entry	2–3 weeks
Data Cleaning	1–2 weeks
Data Analysis	3–4 weeks

The map-based data analysis was proposed for January 2023, while the actual accessibility and transportation survey in the community was conducted in April 2023. The planning involves selecting data sets including but not limited to the census tracts related to SB 535 and AB 1505 areas, transit data of the region, and existing demographics statistics in the areas. The analysis began with the identification of the mobility patterns, transportation deserts and barriers to sustainable transportation within the planned areas. Community engagement planning happened from 25th April 2023 once the authors had consulted on the goals and methods of the assessment with various stakeholders. The engagement activities were done from October to August 2024, and these engagements activities embrace:

- Distributing surveys in person through local libraries, schools, businesses, coffee shops, farmers' markets, and community organisations.
- Hosting outreach events and focus groups to gather qualitative insights.
- Partnering with trusted community organisations and local leaders to increase outreach in underserved communities.

Community engagement planning began in **March 2023**, after initial stakeholder meetings to refine the goals and methodology of the assessment. Engagement activities were conducted from **October 2023 to June 2024** and included:

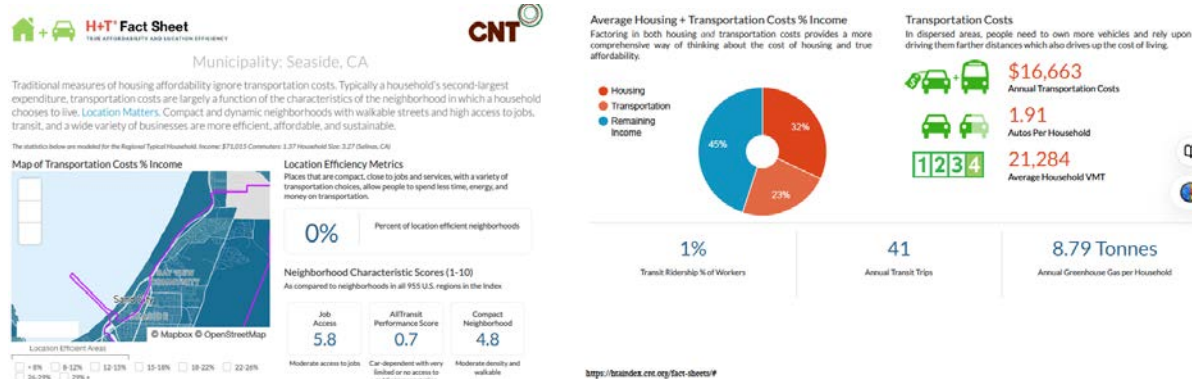
- Distributing surveys through local schools, businesses, and community organisations.
- Hosting outreach events, such as workshops and focus groups, to gather qualitative insights.
- Utilizing partnerships with trusted local leaders to increase outreach in underserved communities.

The process of approaching the CTNA was organised to effectively and efficiently extract the required information following a step-by-step sequence of the following:

The approach to the CTNA was sequenced strategically to ensure an efficient and effective process, adhering to the following steps:

1. **Planning (March-July 2023):**
 - Defined project goals and objectives.
 - Aligned methodologies with CMO guidelines.
 - Engaged community residents to refine survey and outreach tools.
2. **Survey Development (April-June 2023):**
 - Designed tailored surveys to capture community-specific transportation data.
 - Ensured materials were culturally and linguistically appropriate.
3. **Community Engagement (December 2023-May 2024):**
 - Conducted outreach events and focus groups to maximise participation.
 - Distributed surveys through multiple channels to ensure broad coverage.
4. **Data Collection (September 2023-July 2024):**
 - Compiled survey responses and focus group input.
 - Gathered additional community insights.
5. **Data Entry and Cleaning (July 2024-August 2024):**
 - Organized collected data into a central database.
 - Addressed inconsistencies and ensuring data integrity.
6. **Transportation Access Data Analysis (December 2023-August 2024):**
 - Conducted quantitative and qualitative analysis to identify transportation gaps.
 - Integrated findings with existing datasets to produce actionable insights.
7. **Reporting (July 2024-August 2024):**
 - Drafted and finalised the CTNA report.
 - Presented findings and recommendations to stakeholders and the broader community.

This approach of sequencing made every developmental phase generate onto the prior one while generating a sound, practicable and synthetic Community Transportation Needs Assessment. The methodology focused on issues of inclusiveness, data quality and consistency with our community partners.



Affordability		Demographics	
Housing + Transportation Costs % Income:	55%	Block Groups:	16
Housing Costs % Income:	32%	Households:	9,347
Transportation Costs % Income:	23%	Population:	29,576

Household Transportation Model Outputs

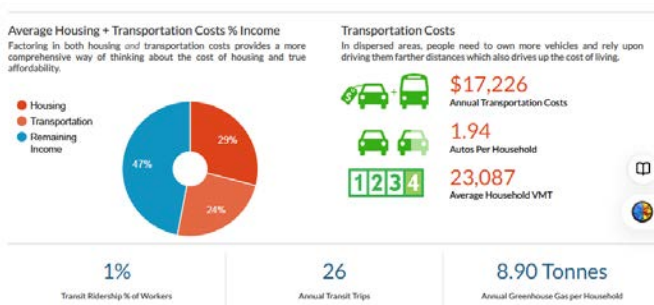
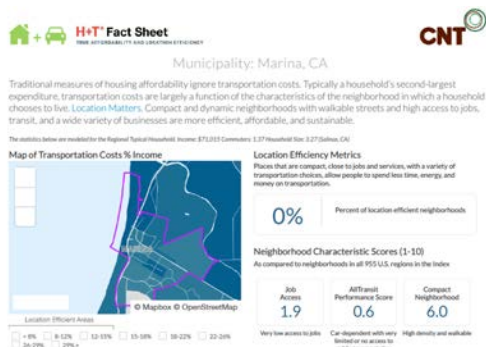
Autos per Household:	1.91
Annual Vehicle Miles Traveled per Household :	21,284
Transit Ridership % of Workers:	1%
Annual Transportation Cost:	\$16,663
Annual Auto Ownership Cost:	\$11,957
Annual VMT Cost:	\$4,641
Annual Transit Cost:	\$65
Annual Transit Trips:	41

Housing Costs

Average Monthly Housing Cost:	\$1,893
Median Selected Monthly Owner Costs:	\$1,891
Median Gross Monthly Rent:	\$1,720
Percent Owner Occupied Housing Units:	48%
Percent Renter Occupied Housing Unit:	52%

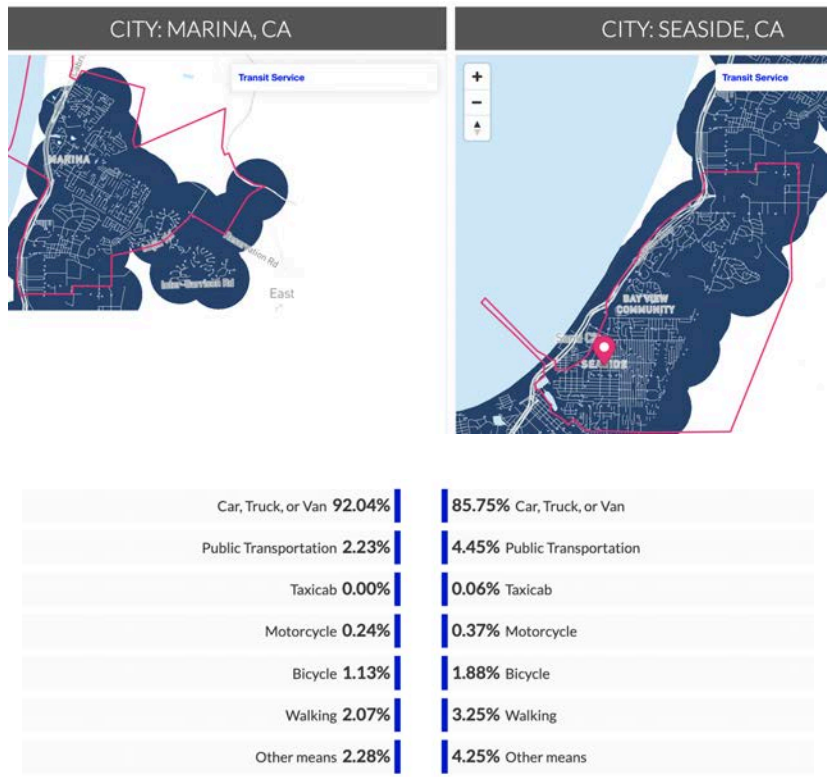
Environmental Characteristics

Residential Density 2010:	3.33 HHs/Res. Acre
Gross Household Density:	1.58 HH/Acre
Regional Household Intensity:	11,822 HH/mile ²
Percent Single Family Detached Households:	62%
Employment Access Index:	12,476 Jobs/mi ²
Employment Mix Index (0-100):	80
Transit Connectivity Index (0-100):	2
Transit Access Shed:	58 km ²
Jobs Accessible in 30 Minute Transit Ride:	35,756
Available Transit Trips per Week:	102
Average Block Perimeter:	1,613 Meters
Average Block Size :	10 Acres
Intersection Density:	104 /mi ²



H+T Metrics

Affordability		Demographics	
Housing + Transportation Costs % Income:	54%	Block Groups:	12
Housing Costs % Income:	29%	Households:	6,777
Transportation Costs % Income:	24%	Population:	19,286
Household Transportation Model Outputs		Environmental Characteristics	
Autos per Household:	1.94	Residential Density 2010:	3.08 HHs/Res. Acre
Annual Vehicle Miles Traveled per Household:	23,087	Gross Household Density:	1.19 HH/Acre
Transit Ridership % of Workers:	1%	Regional Household Intensity:	8,788 HH/mile ²
Annual Transportation Cost:	\$17,226	Percent Single Family Detached Households:	42%
Annual Auto Ownership Cost:	\$12,150	Employment Access Index:	7,665 Jobs/mi ²
Annual VMT Cost:	\$5,034	Employment Mix Index (0-100):	85
Annual Transit Cost:	\$41	Transit Connectivity Index (0-100):	1
Annual Transit Trips:	26	Transit Access Shed:	60 km ²
Housing Costs		Jobs Accessible in 30 Minute Transit Ride:	44,315
Average Monthly Housing Cost:	\$1,744	Available Transit Trips per Week:	71
Median Selected Monthly Owner Costs:	\$1,749	Average Block Perimeter:	1,575 Meters
Median Gross Monthly Rent:	\$1,549	Average Block Size:	26 Acres
Percent Owner Occupied Housing Units:	45%	Intersection Density:	70 /mi ²
Percent Renter Occupied Housing Unit:	55%		
Greenhouse Gas from Household Auto Use			
Annual GHG per Household:	8.90 Tonnes		
Annual GHG per Acre:	36.29 Tonnes		



COMMUTERS NEAR TRANSIT



COMMUTE BY BIKING





Center for Neighborhood Technology. (n.d.). *AllTransit*. Retrieved [2023], from <https://alltransit.cnt.org/>

The data collection process for Living Better Lives (LBL) was carried out using a mixed-methods approach:

Survey Development

Utilisation of Existing Datasets

- Information that was obtained from public tools, including the CARB resources and AllTransit, was useful when determining transportation access, coverage and frequency.
- Clean Mobility Option Assessment Resource Toolkit offered the guidelines and the map to identify what we need in the specific census tract.
- One-on-One Technical Assistance: In an effort to clarify how to identify meaningful indicators, LBL has been in touch with TA to discuss, where necessary, changes to their present practice in regard to CMO guidelines.
- Community Mobility Equity Alliance (CMEA) Meetings: Lessons from peer discussions and case studies of similar projects provided valuable insights into the best practices for data collection and community engagement. Feedback from other CMO-funded projects helped LBL adopt innovative methods for collecting reliable and actionable data.
- Focus Groups and Stakeholder Meetings: Community focus groups provided qualitative insights that complemented the quantitative survey data, explicitly addressing localised mobility barriers and transportation preferences.
- Survey Distribution and Outreach: Surveys were distributed online and in person to residents in the targeted SB 535 and AB 1505 census tracts in Marina and Seaside. Community canvassing was used to reach underrepresented groups and ensure inclusivity in responses.

Developing survey tools and community outreach materials took approximately two months of planning and preparation. Surveys, focus groups, and interviews were conducted over 3 months. Feedback loops were implemented during data collection, allowing adjustments to the survey and engagement methods to address challenges, such as language barriers and low initial response rates. Surveys and engagement methods were initially piloted and tested with small groups and TA to identify gaps and improve clarity. Real-time adjustments to outreach strategies and survey questions were made to ensure information effectively captured all target populations' needs. Continuous engagement and feedback from community members and stakeholders were incorporated throughout the process, fostering collaboration and trust.

Survey Distribution and Collection

Surveys were distributed using various methods, both online and in person, across Marina and Seaside. The specific focus was on SB 535 and AB 1505 census tracts. Online platforms included email campaigns and community-focused social media pages. Physical surveys were also available in person at local partner-based hubs such as coffee shops, libraries, community centres, and events. The goal was to collect 300 responses to ensure a statistically significant sample size across demographics and geographic areas. The response rate reached approximately 50%, yielding 150 completed surveys. No incentives were offered, and response rates were noticeably lower. Surveys were translated into Spanish to reflect the linguistic diversity of the area. This ensured inclusivity and increased participation among non-English speakers.

Community Engagement Rational

Community engagement events were selected to address transportation inequities, provide accessible outreach, and prioritise underrepresented communities in SB535 and AB1505, primarily census tract 6053014102 and surrounding areas. Events were chosen based on the following:

- Community feedback on preferred engagement methods (focus groups, workshops, pop-ups).
- Geographic analysis of areas with low transportation access.
- Partnership opportunities with trusted local organisations to boost credibility and attendance.

Planning for each event began 3-6 months in advance. This included:

- Conducting community needs assessments to determine focus areas to host the event.
- Partnering with local organisations for logistical support.
- Scheduling events at times convenient for community members (e.g., weekends, evenings).
- Ensuring alignment with major local activities to increase attendance.

To maximise participation and inclusiveness, we leveraged our social media, website, community boards, libraries, coffee shops, faith-based organisations, schools, and word-of-mouth for promotions. We hosted two events at our local community centres: a focus group workshop at a local coffee shop for easy access. We provided e-bike demos and gift incentives to encourage attendance. We contacted our community leaders and underrepresented groups directly via personal invitations.

- Accessible Venues: Hosted events at community centres, libraries, and transit hubs for easy access.
- Incentives: Provided gift cards, e-bike demos, and complimentary refreshments to encourage attendance.
- Targeted Invitations: Reached out directly to community leaders and underrepresented groups via personal invitations.

Efforts to reach hard-to-reach populations included:

- Door-to-door canvassing in low-income neighbourhoods.
- Mobile outreach units are visiting underserved areas.
- Social media outreach
- Partnering with nonprofits serving specific demographics (e.g., youth, seniors, non-English speakers).
- Offering virtual engagement options for those unable to attend in person.

HARMONIE-BIKES
RIDESHARE & DELIVERY
CLEAN MOBILITY
FOR OUR COMMUNITY

Living Better Lives is pleased to announce our E-bike rideshare Kick-off demonstration and ride participation. Join us on December 17th, 2023, as we share clean mobility options. There will be e-bike safety training and demonstrations, free rides, games, music, face painting, vendors, artisans, good vibes, and positivity. Sign up early by using QR code.

LEARN ABOUT OUR PROGRAM & SERVICES.

- ON DEMAND E-BIKES & RIDESHARE**
E-bike delivered conveniently to your home and accessible on the go, bringing unparalleled convenience and sustainability to your daily commute and leisure activities.
- COMMUNITY MOBILITY SUBSCRIPTIONS**
Our Community Mobility Subscriptions provide a tailored, affordable solution for residents to embrace eco-friendly transportation, enhancing local connectivity and fostering a greater community spirit.
- ON DEMAND ASSEMBLY & REPAIR SERVICES**
Experience hassle-free maintenance with our on-demand assembly and repair services, designed to keep your e-bike performing at its best.
- SAFETY & EBIKE TECH TRAINING & WORKSHOPS**
Our workshops offer safety training, e-bike technology insights, and Green Pathways education, engaging participants with vital skills for eco-friendly and secure urban cycling experiences.

WE CARE ABOUT YOUR HEALTH

- Harmonie-Bikes rideshare and delivery on the go and accessible for the community.
- Our affordable solutions are lowering the carbon footprint while keeping you healthy.
- Safety and Green Pathway options for vocational learning.

+831.236.7596 contact@livingbetterlives.org

HARMONIE-BIKES
COMPARTIR VIAJE Y ENTREGA
MOVILIDAD SOSTENIBLE
PARA NUESTRA COMUNIDAD

Living Better Lives se complace en anunciar nuestra demostración de lanzamiento de E-Bike rideshare y la participación en el paseo. Únase a nosotros el 17 de diciembre de 2023 para compartir opciones de movilidad limpia. Habrá capacitación y demostraciones de seguridad para bicicletas eléctricas, paseos gratuitos, juegos, música, pintura de caras, vendedores, artesanías, buenas vibraciones y positividad. Regístrese temprano utilizando el código QR.

APRENDE SOBRE NUESTRO PROGRAMA Y SERVICIOS.

- BICICLETAS ELÉCTRICAS Y VIAJES COMPARTIDOS A PEDIDO**
E-bike entregada cómodamente en su hogar y accesible mientras viaja, brindando comodidad y sostenibilidad incompatibles a sus viajes diarios y actividades de ocio.
- SUSCRIPCIONES DE MOVILIDAD COMUNITARIA**
Nuestras suscripciones de movilidad comunitaria brindan una solución personalizada y accesible para que los residentes adopten un transporte ecológico, mejoren la conectividad local y fomenten un espíritu comunitario más ecológico.
- SERVICIOS DE MONTAJE Y REPARACIÓN BAJO DEMANDA**
Experimente un mantenimiento sin complicaciones con nuestros servicios de montaje y reparación bajo demanda, diseñados para que su bicicleta eléctrica funcione al máximo.
- TALLERES Y CAPACITACIÓN SOBRE SEGURIDAD Y TECNOLOGÍA DE BICICLETAS ELÉCTRICAS**
Nuestros talleres ofrecen capacitación en seguridad, conocimientos sobre tecnología de bicicletas eléctricas y educación sobre Caminos Verdes, equipando a los participantes con habilidades vitales para experiencias de ciclismo urbano seguras y ecológicas.

NOS PREOCUPAMOS POR TU SALUD

- Viaje compartido y entrega de Harmonie-Bikes sobre la marcha y accesible para la comunidad.
- Nuestras soluciones asequibles reducen la huella de carbono y la mantienen saludable.
- Safety and Green Pathway options for vocational learning.

+831.236.7596 contact@livingbetterlives.org

Community Engagement Activity 1

Community engagement events were selected to address transportation inequities, provide accessible outreach, and prioritise underrepresented communities in SB535 and AB1505 census tract areas. Events were chosen based on the following:

- Community feedback on preferred engagement methods workshops and pop-ups.
- Geographic analysis shows areas with low transportation access.
- Partnership opportunities with trusted local organisations to boost credibility and attendance.

Planning for each event began 3-6 months in advance. We also partnered with local organisations for logistical support. We secured hub locations near the targeted area to provide scheduling events at times convenient for community members. We were ensuring alignment with major local activities to increase attendance. We continued with door-to-door canvassing in low-income neighbourhoods, mobile outreach units visited underserved areas, and new

partnerships were created with local nonprofits serving specific demographics (e.g., youth, seniors, and non-English speakers). Virtual engagement options were available for those unable to attend in person. Due to some weather restrictions, it took a lot of work to continue the event. We ended the event earlier than anticipated but still connected with some residents.



New partnerships were developed with the Can't Stop Won't Stop Foundation, Palenke Arts, local artists, vendors, and more support sponsorships from Power Plant Coffee. Feedback systems included LBL surveys to encourage honest input. Follow-up meetings were held to discuss how feedback informs decisions. Systems to ensure input included:

- Multiple feedback collection methods (e.g., paper, online, verbal).
- Designated outreach staff to encourage participation.

This systematic approach ensured broad community representation, actionable insights, and trust-building in addressing transportation challenges.

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CLEAN MOBILITY
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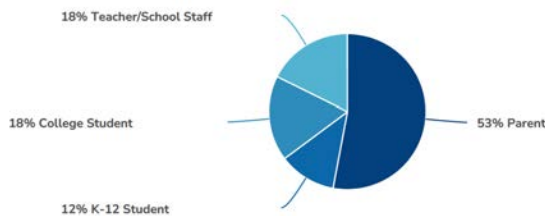
- Viaje compartido y entrega de Harmonie-Bikes sobre la marcha y accesible para la comunidad. Nuestras soluciones asequibles reducen la huella de carbono y le mantienen saludable.
- Safety and Green Pathway options for vocational learning and learning.

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Community Engagement Activity 2

Community Engagement Event 2 was organised to address transportation inequities, ensure accessible outreach, and prioritise underrepresented communities in the SB535 and AB1505 census tract areas. This event saw a higher turnout and greater participation than the previous event. We partnered with local organizations, volunteers, and vendors and utilised our new hub location, which helped increase awareness and attendance.

Ecology Action and Adventures By The Sea participated in the event, allowing us to expand our reach and offer various activities. We successfully connected with residents at the farmers' market, further enhancing our engagement efforts. The community activities attracted a strong turnout, with 53% of attendees being parents, 18% school staff, 12% K-12 students, and the remaining percentage made up of college students.



During the event, two key questions were posed to the participants:

1. "If there were an e-bike library in your community where you could rent an e-bike for an extended period (longer than a few hours), what duration would you prefer for the rental?" Of the respondents,

41% indicated they would prefer to rent an e-bike for one week.

2. "If a public electric charging station were available in a convenient location, how likely would you use it in the future? Please rate on a scale from 1 to 5, with one being 'not at all likely' and five being 'very likely.'"

Half of the respondents, or 50%, said they would likely use the charging station.



Data

Managing and Preparing Data for Analysis

All comments, survey responses, and community engagement feedback were securely stored in a centralised digital repository. This repository was accessible only to authorised team members to ensure the integrity and confidentiality of the data. The information was stored digitally using private Google Drive and Alchemer cloud-based storage solutions, allowing for secure access and backup. Any physical copies of survey responses were digitised using document scanners and then securely shredded to reduce the risk of data breaches. Data storage was managed by the project's data team, who were specifically trained in handling sensitive information. Team members were responsible for uploading data to the cloud and organising it into structured folders categorised by survey responses, event feedback, and additional comments. The survey distribution platform automatically collected digital responses and stored them in a structured database later exported for analysis.

Some survey responses and community feedback submitted in languages other than English, including Spanish, required translation. Our team members and volunteers are fluent in Spanish, ensuring that translations are accurate and culturally appropriate before data entry and analysis. Surveys were distributed in person through an online form, forums, workshops, events, and local community centres. Responses were collected over a defined period to ensure a representative sample size from the target communities. In-person feedback was digitised and verified for accuracy during the entry process. Responses were reviewed to eliminate duplicates, incomplete surveys, or irrelevant entries. Special attention was given to ensure that translated responses maintained the original intent of the participant. The data was categorised by demographic information (e.g., age, income, transportation need, zip code) and critical themes derived from qualitative feedback, such as barriers to mobility and transportation preferences. The cloud storage system used was set to automatically back up data at regular intervals to prevent loss due to technical errors. This ensured the data was well-organised, accurate, and ready for subsequent analysis and reporting.

Results

Demographic: Analysis and Insights

Demographic data was gathered through surveys, community engagement events, and focus group discussions. This information included race, gender, age, income, education, work status, and household composition to understand the community's needs comprehensively. The community is diverse, with significant representation from Hispanic/Latino, African American, Asian, and White populations—a notable portion of survey participants identified as multiracial. Survey respondents were approximately balanced across genders, with a slight overrepresentation of female participants (55%) compared to male participants (45%). Participation varied across age groups, with the highest representation from individuals aged

25–55 (40%), followed by seniors aged 60+ (30%), and young adults aged 18–24 (20%). Target market household size was generally between 3-5 in most cases, and the number of households had children or dependents.

Gathering this demographic information was important for identifying transport requirements/ challenges within specific communities. It helps to reach fair solutions that can match the special needs of disadvantaged people to have the same opportunities to use the car without having to buy a personal one; older adults who still would like to be able to use public transport or sharing economy, as well as women and others who are afraid of solo driving, etc.

Overall income levels, education, work, and transportation status:

- Most households earn less than \$5,000 per year, and the neighbourhood earns less than the area median income. Only 15% of workers earn \$40,001 to \$100,000, much more than \$100,000.
- Education levels vary, with the majority having completed high school or some college education. A smaller percentage have obtained bachelor's or advanced degrees.
- Many respondents rely on public transit, biking, or shared mobility services due to financial constraints or lack of access to private vehicles.

To this end, it is important to consider more than simply age-, gender- and ethnicity-related differences when modelling the population the project is to serve in order to provide targeted and efficient transportation solutions that can also work at addressing structural injustices around mobility.

Current Transportation Access, Behavior, and Preferred Transportation Benefits

In this section, a discussion of the obtained responses and data to address the key questions related to accessibility, activity, and choice of transportation in the community is provided.

1. Community Priorities for Transportation Equity

- **Key Priorities Identified:**
 - **Access:** As part of the results, inhabitants stressed the transit availability that defines their access to essential facilities, including workplaces, healthcare, and educational institutions.
 - **Affordability:** Some of the respondents also complained that the cost and time of some transport services, like public and shared transport, constrain people from using them.
 - **Safety:**
 - Enhanced lighting to embrace the bus stop and transit stations.
 - Proper and strong sidewalks and bicycle tracks.
 - Lower traffic accident rates as well as safe shared rides such as electric bikes.

- **Reliability:** Out of all the competing priorities, punctuality and reliable availability of transport were a key factor for those used to travel to and from work or school.
- **Resident Definitions:**
 - **Safety:** concerns risks that are physical during travel and well-guarded structures to prevent accidents from occurring.
 - **Access:** Concern transportation accessibility is near residential areas and other important points or transport terminals.
 - **Affordability:** Transportation again cannot exceed the average household expenditure on other utilities, especially among the less fortunate.

2. Factors Limiting Access Key Barriers

- Others believe it is too costly to completely supply inexpensive shared mobility solutions like ride-hailing and e-bikes, which leads to high public transit rates. These financial difficulties must be overcome for everyone to have decent transportation.
- Many suburban neighbourhoods, especially those owned by persons of colour, have substandard infrastructure. Six basic but essential aspects, such as well-maintained sidewalks, designated bike lanes, and enough transport stations, will help inhabitants travel securely and effectively. Developing this infrastructure will boost transport use.
- Weaknesses in connectivity, such as inconsistent bus services and weak connections, result in a disjointed network that fails to transport inhabitants in outer regions adequately. Better routes and more frequent service may also encourage public transport use.
- Research highlights the need to close the knowledge gap on shared mobility programs. Clearly, many individuals must know about such chances and how to acquire them. Higher awareness will help people utilise these vital transportation assets.

Impact on Key Destinations:

Restrictions in access to and the frequency of transit services have an impact on the extent to which those who rely on transit can get to and from important destinations, including hospitals, grocery stores, and workplaces. Some citizens experience long trip duration and, in many cases, they have to change transportation means several times. Rather than increasing the use of public transit and making the daily lives of citizens easier, this is an inefficient and stressful system. The above challenges are all fixable in a way that will enhance the delivery of services to the citizens and, at the same time, transform the commuting routine into a less stressful ordeal. Other organisations within the community are also coming up with other means of transport as we continue to advocate for more options of transport.

3. Current Travel Behavior

Mode Distribution:

- Public Transit: Low-income residents and students are the main users of public transit largely because other groups shun the means of transport due to its unreliability.
- Private Vehicles: Again, most of the households rely on Personal Vehicles, but this seems less so in the disadvantaged categories.
- Walking and Biking: Added risks, like no bike lanes and pedestrian paths or poorly lit trails, allow residents to complain about walking or biking only.
- Shared Mobility: The adoption of shared mobility services, such as ride-hailing or e-bikes, is low due to cost and limited availability.
- Willingness to Pay: Residents have shown interest in affordable e-bike subscription models, provided the pricing is reasonable. Additionally, they expressed that improvements to public transit would be worth the extra investment, and even more significantly, if they enhance reliability and safety.

4. Validation During Engagement

- Community engagement validated these insights through focus groups, surveys, and interviews. Recurring themes included:
 - Affordability and safety are the primary barriers to equitable access.
 - There is a strong demand for infrastructure improvements, such as bike lanes, better bus stop conditions, and mobility options.

5. Public Transit Ridership and Vehicle Ownership

- Public Transit Use:
 - Public transit ridership is moderate but has declined due to reliability, wait times, and safety concerns.
 - Many users are transit-dependent due to a need for alternative options.
- Vehicle Ownership:
 - On average, low-income households have one or no vehicles, increasing their reliance on transit or alternative modes.
 - High-income households tend to own multiple vehicles, reducing public transit reliance.

6. Preferred Transportation Improvements

- Existing Modes:
 - Affordable and convenient ticketing systems for buses and trains.
 - Improved safety and infrastructure at transit stops (lighting, shelters).
 - Expanded and more frequent public transit routes
 - Community-led transit systems
- New Methods:

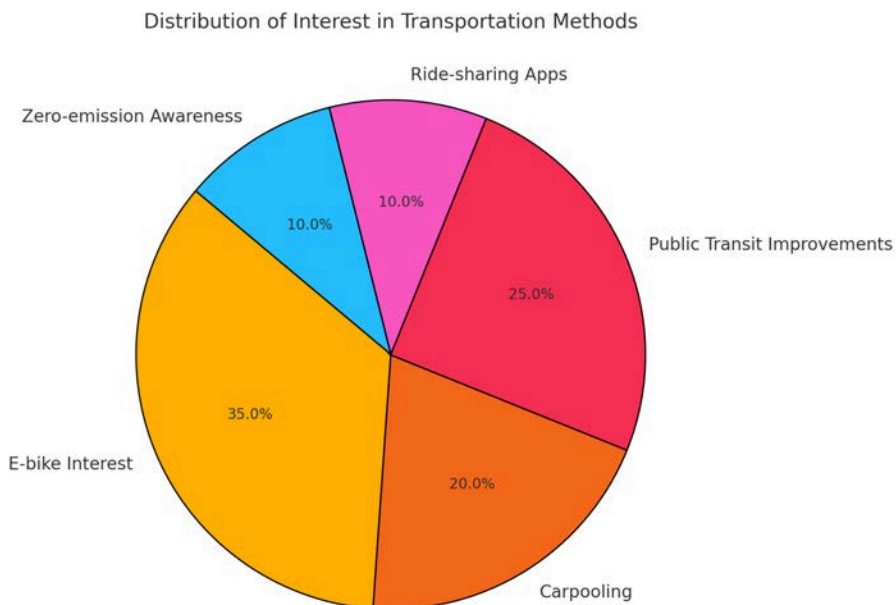
- Affordable e-bikes and shared mobility options.
- Implementation of micro-mobility hubs to connect underserved areas with public transit.
- More integrated multimodal transportation options are desired, combining walking, biking, and community-led public transit.
- Education and Awareness Campaigns: Conduct workshops to familiarise youth with available transit options, emphasising shared mobility and active transportation modes such as biking.

The community values equitable, safe, reliable, and affordable transportation. These proposed initiatives and strategies aim to enhance transit equity for youth, seniors, and low-income residents by addressing affordability, safety, and accessibility. They reflect a commitment to making transportation inclusive, sustainable, and responsive to the unique needs of underrepresented communities.

Familiarity with New Shared Mobility Options and Interest in Modes

Key Findings on Mobility Preferences

- Modes Residents Are Eager to Explore:
 1. E-Bikes and bike-sharing: Numerous survey respondents expressed enthusiasm about the potential of e-bikes and bike-sharing programs as viable alternatives to car ownership, indicating a growing interest in sustainable transportation options.
 2. Carpooling and ride-sharing: There is a strong interest in exploring cost-effective shared car solutions, particularly among low-income individuals and youth, highlighting an opportunity to enhance community mobility and reduce transportation costs.
 3. On-Demand Transit Services: Residents are keen to learn about flexible, app-based transit services that effectively tackle first- and last-mile challenges, suggesting a demand for innovative solutions that increase accessibility.
 4. Public Transit Upgrades: There were strong calls for the enhancement of public transit; accessibility, safety and rollout of zero-emission buses into existing routes enhance usability and create an environmentally friendly transit.



Zero-Emission Technology Education

- **Education Initiatives Conducted:**
 - **Workshops and demonstrations:** Seminars were organised with local mobility partners and represented by residents who could proceed with trial tests of e-bikes and gain knowledge and awareness of the environmental impact it has.
 - **Community Engagement:** The community engagement activities, together with stakeholders' dialogues, included live exhibits in relation to sharing economy solutions and zero-emission solutions.
 - **Educational Materials:** Place multilingual brochures and electronic booklets about the advantages of zero-emission technologies.

- **Insights on Ability to Drive**

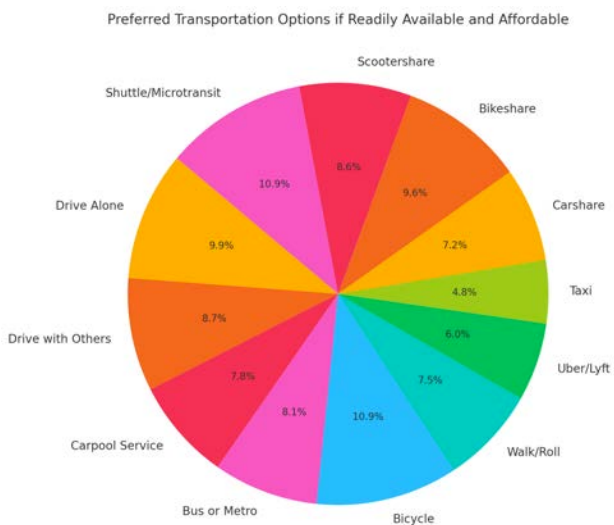
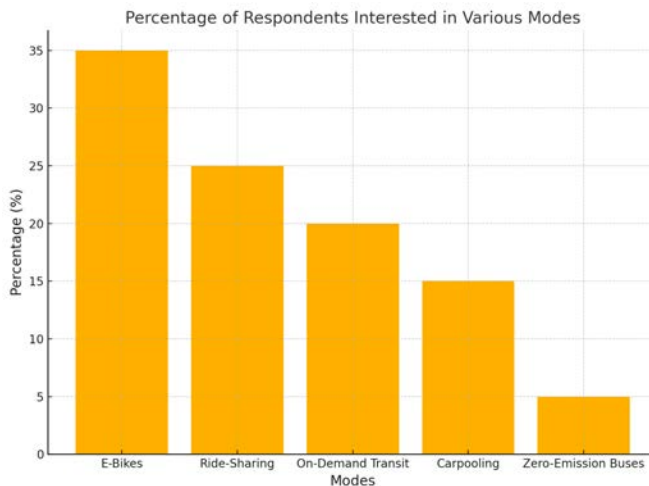
Driving accessibility trends:

- A large segment of the population in the surveyed areas, particularly youth, seniors, and low-income residents, identified a lack of access to personal vehicles.
- Barriers to driving include:
 - Financial constraints are preventing vehicle ownership.
 - Limited access to driver's education resources and licensing.
 - Inadequate road infrastructure for non-motorized users, making biking or walking hazardous.
 - Lack of access and awareness of mobility options available

- **Community Engagement Feedback**

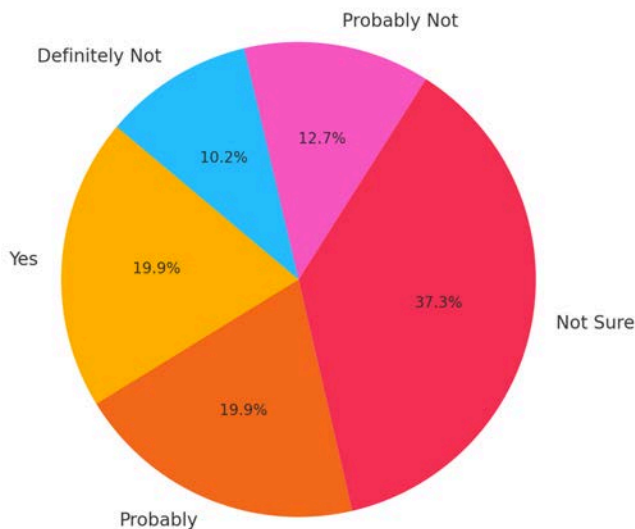
Participants across multiple focus groups emphasised the need for:

- **Affordable access to shared mobility options:** low-cost alternatives to private vehicle ownership were frequently highlighted.
- **Improved communication about existing resources:** Many residents needed more precise information on shared mobility platforms.
- **Safety improvements:** Concerns about bike lane safety, walkability access, insurance, and secure bike parking were frequently raised.

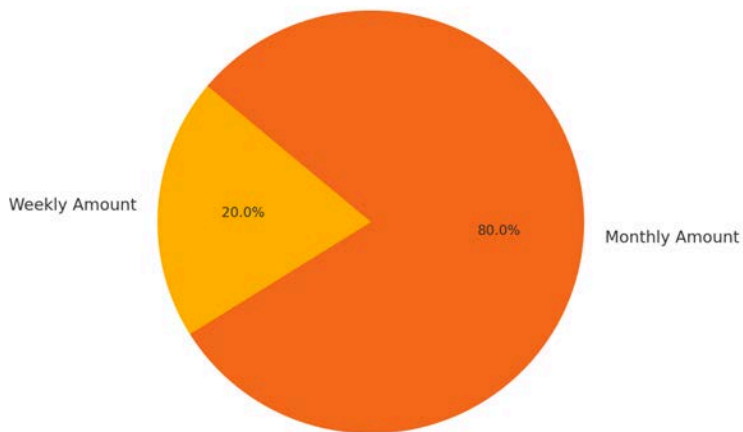


Each segment indicates the percentage of respondents who showed interest in the respective option.

Combined Interest in E-Bike Rideshare and Carsharing



Weekly vs Monthly Payment for Shuttle Service



This chart shows the distribution of respondents' interest in E-Bike Rideshare services available to common destinations.

Preferred Payment for Subscription Model/Service Per Ride: This chart highlights respondents' unanimous preference for paying weekly or monthly.

Banking, Debit and Credit Card Access, and Phone Technology

Access to Technology: Residents in the project area predominantly have access to cell phones, with most owning smartphones capable of supporting mobility applications. Reliable internet access is variable, with higher reliability in urban centres and more challenges in underserved or rural areas. Access to computers is generally lower among lower-income households, which may rely solely on mobile devices for digital connectivity.

- **Who does not have access?**

Populations in the SB 535 and AB 1505 census tracts, particularly seniors, low-income residents, and some immigrant communities, report lower access to smartphones, the Internet, and personal computers. Language barriers and digital literacy gaps further compound technology access issues.

Preferred Payment Methods:

- Debit and credit cards are the most preferred payment methods for mobility services among residents with bank accounts.
- Many residents in disadvantaged tracts prefer cash payments, highlighting unbanked or underbanked populations.
- Digital payment methods, such as mobile wallets (e.g., Apple Pay, Venmo), have limited adoption due to a lack of awareness or technical challenges.

Technology for Current Mobility Services: Existing mobility services, such as ride-sharing apps and public transit systems, require:

- **Smartphones:** For booking services, route tracking, and ticketing.
- **Reliable Internet:** For app-based interactions.
- **Digital Payments:** For seamless transactions.

These technologies are essential for such residents, which restricts their chances of getting access to clean and inclusive mobility.

Impact on Service Delivery:

- **Digital Divide:** Lack of smartphones or even internet connection constrains some groups of people to avoid app-based mobility solutions.
- **Accessibility Concerns:** Due to the issue of technology, seniors and people with disability and wheelchairs will have difficulties accessing technology-based services; they might require call-in basis booking systems.
- **Payment Flexibility:** The negative effect is that services that transact via online payments will lock out otherwise active users who have no access to banking.

Adapting Services:

- **Offline Solutions:** Initiate other modes of booking, for instance, through self-service kiosks, paper tickets, or tolls, even for those people who do not have one.
- **Multiple Payment Methods:** Direct cash, pre-paid cards or convenience accounts for senior citizens who do not have debit/credit cards.
- **Digital Literacy Initiatives:** Involve local organisations in an effort to carry out sensitisation sessions regarding mobility app usage, digital payment, and the principles of zero-emission technologies.

Addressing Gaps: To address the issue of accessibility, mobility efforts must consider the heterogeneity of discrete technology systems addressing digital integration while discussing other solutions that can benefit individuals with a limited grasp of technology.

Limitations

A number of factors unique to the Living Better Live CINA-CTNA hindered improvements and presented certain limitations characteristic of its conclusion. Recognising these restrictions helps stress the ongoing process and provides a framework for further enhancements. Here are the main constraints that frustrated the project:

1. Data Collection Challenges

- **Low Survey Validity Rates:** Only 65 of 300 completed and distributed questionnaires were verified. Low validity rate measured results completeness.

- **Language Barriers:** Surveys in several languages may have been delayed by translation, thus affecting the early and complex replies of non-English speakers.
 - **Digital literacy gaps:** several respondents needed refresher instruction on online survey methods, limiting participation among elderly and low-income individuals without computer or smartphone access.
-

2. Community Engagement Challenges

- **Reaching Hard-to-Reach Populations:** The attempts to reach those at higher risk, including women of reproductive age, non-stably housed persons, the elderly and youths, were difficult logistically given their mobility and available time.
 - **Timing of Events:** The events were coordinated during a Complex community activity session, hence the low turnout and participation.
 - **Weather and external factors:** Occasional harsh weather incidences affect outdoor events, and thus, people are discouraged from attending events.
-

3. External Circumstances

- **Economic uncertainty:** Realizing higher living standards and living expenses throughout the assessment period shifted the focus of residents from macro factors to fundamental concerns.
 - **Pandemic-Related Adjustments:** Although the pandemic has receded, lingering concerns about public gatherings limit participation in in-person visits, events, and focus groups. Many community members would not enter the door during residential walkability audits and scheduled interview times. Residents would start the survey and wait to finish.
 - **Staffing Limitations:** Limited personnel and volunteers to facilitate multiple events simultaneously created logistical bottlenecks.
-

4. Technological and Infrastructure Barriers

- **Limited Payment Options:** Many residents, particularly in low-income areas, needed access to banking and digital payment systems, which could influence the feasibility of implementing subscription-based e-bike models.
 - **Transit Infrastructure Gaps:** Existing transportation inequities, including infrequent public transit schedules and limited safe bike lanes, posed barriers to exploring new mobility options.
-

5. Data Reliability

- **Incomplete Responses:** Surveys often included incomplete data, particularly on sensitive topics such as income levels or work status, reducing the granularity of the analysis.
- **Limited Historical Data:** Historical data on transit behaviour and equity in the area needed to be more cohesive, which would complicate comparisons and trend analyses.

Addressing Limitations in Future Work

- **Improved Translation and Outreach:** Streamlining translation processes and conducting targeted outreach through trusted community partners can enhance inclusivity.
- **Expanded Digital Access:** Public access to digital devices or survey kiosks at community centres can bridge technological gaps.
- **Better planning for timing and resources:** Aligning event schedules with community priorities and allocating additional staffing can improve engagement rates.

The CTNA acknowledges its limitations and is committed to improving future assessments to ensure that upcoming projects effectively tackle these challenges. Overcoming financial barriers is essential for the success of biking initiatives in underserved communities. The LBL Harmonie bike library's rideshare and subscription model can promote equitable access by implementing targeted interventions and empowering residents to adopt sustainable mobility solutions.

Underlying Causes of Mobility Gaps and Challenges

The assessment identified significant mobility gaps and barriers in the project area, underscoring the need for innovative, accessible, affordable transportation solutions and options. Although significantly successful, the current e-bike voucher program continues to have limited funding and typically has a limited-time open window. With that in mind, it makes it difficult for the specified community to participate. Residents need to be more informed that the program is available. This model is also not sustainable over the long term as it purely relies on grants and government subsidies in a long-term capacity, causing limited funding and short open-time windows to receive the voucher. This model type creates a scarcity mindset with minimal outreach and engagement options. It helps but only partially addresses the community's needs. This creates a sense of being looked over and having limited options in the community. The proposed HarmoniE-Bikes Library Subscription Model introduces a unique opportunity to address these challenges while promoting environmental sustainability and community empowerment.

- **Limited Access to Transportation Options:**

- Many residents, particularly in underserved SB 535 and AB 1505 census tract areas, lack convenient access to public transit, leaving personal vehicles as the only reliable mode of transportation.
- Insufficient transit routes and limited schedules exacerbate mobility barriers for low-income and transit-dependent populations.
- **Affordability Challenges:**
 - High costs associated with vehicle ownership, fuel, and maintenance create financial barriers for many residents, limiting their mobility options.
 - Shared mobility services like rideshares or e-bike rentals must be more
 - affordable for low-income households.
- **Infrastructure Deficiencies:**
 - Inadequate bike lanes, pedestrian pathways, and transit-friendly infrastructure in critical areas discourage the use of alternative transportation modes.
 - A lack of basic amenities, such as bicycle racks or shelters at bus stops, negatively impacts user convenience.

Safety Concerns:

- Community members reported concerns over personal safety when using public transit or cycling, particularly in poorly lit areas or areas with higher crime rates.
- The lack of traffic-calming measures poses risks for pedestrians and cyclists.

Inconsistent Funding:

- Grants, while essential for the initial program launch, often need to be more consistent and temporary. Relying solely on external funding sources can disrupt service delivery and limit growth potential.

Revenue Diversification:

- Subscription means that there is constant income from clients instead of erratic income from grants and other donations.
- Recurring income from subscriptions ensures funds for operational needs like bike maintenance, hub expansion, and community engagement.

Financial Independence:

- There is the potential to expand programming and improve services by creating new forms of sustainable funding should grant monies dwindle or dry up altogether.

2. Factors for Successful Transportation Options

- **HarmoniE-Bikes Library Subscription-Based Rideshare Model:**
 - This program is a cost-effective solution to mobility in the city, with residents given an opportunity to access short-term or long-term e-bike rentals for short or business errands, recreation, etc.
- **Community-Driven Development:**

- Ongoing interaction with residents guarantees that there will be custom-driven programs since people will be involved in their development. To address the requirements of the area and the preferences of the population, solutions must be designed with the provision of constant input from the community.
- Infrastructure Support:
 - Introducing dedicated bike lanes and repair stations enhances usability and safety.
- Affordable and Equitable Models:
 - Prioritizing low-cost or subsidised subscriptions, particularly for low-income households, ensures inclusivity.
 -

3. Actions to Enhance Clean Mobility

- HarmoniE-Bikes Library Model:
 - Establish an e-bike subscription service where residents can borrow bikes at minimal cost. The service's tiered plans will cater to youth, seniors, and low-income families.
 - Deploy mobile repair units to ensure maintenance and repair accessibility.
- Prioritized Actions:
 - Expand Transit Options: Advocate for more frequent bus services and additional routes in underserved areas.
 - Install Infrastructure: Build bike racks, repair kiosks, and sheltered stops at specific community organization hubs and centres.
 - Promote Safety: Enhance street lighting and implement traffic-calming measures to protect cyclists and pedestrians.
- Quick Start Actions:
 - Implement checkout with subscription-based model e-bikes. Install bicycle racks in critical locations like community-based organisations, libraries, community spaces, and schools.
 - Provide free or low-cost helmets and safety gear as part of an e-bike education workshop.
 - The host continued community events to introduce residents to the HarmoniE-Bikes program.

4. Identification and Prioritization of Actions

- Community Feedback and Data:
- Surveys and focus groups highlighted a need for safe, affordable, and accessible alternatives like e-bikes. Many residents expressed a willingness to participate in subscription-based models.
- Alignment with funding opportunities:
The HarmoniE-Bikes program aligns with eligible models under the Clean Mobility Options (CMO) Project Voucher program and SB 535 initiatives, ensuring programmatic compliance and financial feasibility.

5. Community Support for Proposed Solutions

- **HarmoniE-Bikes Model Adoption:**
 - Residents want low-cost mobility options like e-bikes to replace short car trips or connect to transit hubs.
- **Support for Public Transit Improvements:**
 - Residents also prioritized increased safety and reliability in public transit, particularly for seniors and youth.
- Support the current voucher program by working with MBARD, increasing awareness, and fleet management.

6. Recommendations for Immediate Improvements

- Quick Start Projects:
 - Pilot the HarmoniE-Bikes Library program in one or two high-need areas to gather feedback and refine the model.
 - Install secure bike racks and repair stations in transit hubs and community centers.
 - Launch awareness campaigns highlighting the benefits of e-bikes for health, sustainability, and affordability.

Thus, the outlined needs assessment corresponds to the identified transportation problems, and the HarmoniE-Bikes Library Subscription Model provides an extended and effective approach which can be easily scaled. With the use of establishing workshops, flexible delivery options, and strong support of community engagement, the program enables the residents to be equipped with tool-kits, knowledge and access required in order to shift towards clean and affordable mobility. This approach prepares for a new direction towards a greener, interconnected, and equitable future focused on sustainable development while filling the existing gaps. Linking the learning processes and workforce development is essential for leveraging the benefits of the HarmoniE-Bikes Library Subscription Model. The measures mentioned above will ensure that the community embrace eco-efficient transportation in the future by providing employment opportunities.

Below are actionable strategies to strengthen learning and partnerships:

Scalability of the HarmoniE-Bikes Program

To accommodate growing populations, more towns, and a wider range of transportation demands, the HarmoniE-Bikes Library Subscription Model is built to be extensible.

Below is an analysis of its scalability across critical dimensions:

1. Modular Design

- **E-Bike Library Framework:**

The system for the library is designed to be modular so that it can expand its fleet size incrementally according to demand.

If additional customers need to utilise the subscription model, it is possible to scale up inventory or move hubs to accommodate them.

- Centers and on-the-go repair services:

To accommodate smooth global development without putting a burden on the current infrastructure, we may expand the number of checkout and return hubs and deploy more mobile repair units.

2. Flexibility in Geographic Coverage

- Urban and suburban expansion:

- Replicating the program in urban, suburban, or rural settings requires very few adjustments to the operating plan.
- By improving last-mile connectivity, areas that have limited access to public transportation may reap substantial benefits.

- Regional Integration:

- Integration of the program into larger mobility networks is made simpler by partnerships with community groups, transit agencies, and municipalities.

3. Financial Feasibility

- Subscription Revenue Model:

- Relying less on grants for long-term operation, the monthly membership fees provide a reliable source of income.
- Additional options for income generation arise when premium services, such as on-demand delivery or longer rental periods, are offered.

- Sponsorship and Partnerships:

- Partnering with local businesses, environmental organisations, and corporate sponsors can fund program expansion and enhance marketing reach.

- Grant Opportunities:

- Continued eligibility for programs like the Clean Mobility Options Voucher ensures capital funding for expansion phases.

4. Technology-Driven Scalability

- Fleet Management Software:

- Implementing advanced fleet management tools ensures operational efficiency as the program grows. These tools enable real-time tracking of e-bikes, usage data collection, and user engagement metrics.

- User-Friendly Platforms:

- Mobile apps for reservations, subscription management, and digital payments support scaling, creating a seamless user experience.

5. Workforce Development

- Training Programs:
 - Expanding bike maintenance, safety, and repair workshops supports the program's scalability and develops a local workforce for sustainable transportation jobs.
 - Training community members as program ambassadors or technicians builds capacity for organic program growth.
- Employment Opportunities:
 - Scaling creates logistics, repairs, customer support, and operations management jobs, further supporting local economies.

6. Community-Centric Growth

- Feedback Loops:
 - Community engagement strategies, such as ongoing data collection and focus groups, can help identify areas of unmet demand and guide where to scale first. We will receive the information as the program monitors how the bikes are being used, and the community can give continued suggestions and feedback in real-time.
 - Tailoring services (e.g., delivery options and adaptive e-bikes) ensure the program remains relevant as it expands.
- Outreach Programs:
 - Increasing educational workshops on e-bike use and safety helps scale awareness and adoption across diverse demographic groups.

7. Alignment with Policy Goals

- State and Federal Support:
 - The program aligns with California's Clean Mobility Goals and other state-level sustainability initiatives, ensuring policy and funding support for expansion.
- Replication in Other Regions:
 - Once operational in one area, the program can be replicated in other disadvantaged communities using the same framework, particularly SB 535 and AB 1550 tracts.

8. Environmental and Social Impact Growth

- Wider Reach, Greater Impact:
 - Scaling the program increases its contribution to reducing greenhouse gas emissions and alleviating traffic congestion.
 - Expanding access improves equity by addressing mobility challenges for more disadvantaged communities.

Scalability Milestones with Subscription Model

- Stage 1: Trial and Evaluation
 - To test the waters and find the sweet spot for membership prices, start small and provide modest tiers to the local community.
- Stage 2: Incorporating Community Input Make adjustments to subscription plans, add features, and find more financing possibilities by using input.
- Stage 3: Expanding to New Areas
 - Continue to be financially independent as you expand to neighbouring communities or cities.
- Stage 4: More Comprehensive Integration
 - Collaborate with regional transportation networks and local governments to include the program.

Using technology and emphasizing the community, the HarmoniE-Bikes Program may easily grow to meet the needs of more participants. It provides an enduring and repeatable strategy that may expand gradually to alleviate transportation disparities while fostering economic and ecological advantages. The initiative may become a game-changer for clean mobility on a national scale if it can secure varied financing sources and sustain strong community participation.

Discussions, Solutions, and Lessons Learned

Lessons Learned from the Needs Assessment Process

Community transportation needs assessments (CTNAs) conducted as part of Living Better Lives (LBL) provide light on sustainable mobility solutions' potential, threats, and community dynamics. Important takeaways from this method include the following:

Key Lessons Learned

1. Community-Centered Engagement Is Essential

- **What We Learned:** To fully grasp the specific mobility issues faced by locals, it was essential to conduct ongoing outreach with focus groups, seminars, and outreach activities to get first-hand accounts. We experienced many residents wanting to avoid coming to the door during our walkability audit. At the same time, when I spoke explicitly with residents, they were eager to share their experiences when given an accessible and inclusive platform. Meeting the

community where they are, like farmers markets, community events, and festivals in celebratory settings, increased engagement from the community. We successfully retrieved information when we applied a more personal and one-on-one approach to engagement mixed with informative meetings in various community areas. Increased focus on everyone in the community rather than a specified majority. Everyone's voice is essential when creating a community-based program. When conducting walkability audits throughout the SB535 and AB1505 regions, many roads were unpaved; areas were low-lit, and constructions to the roads blocked accessibility to regions. Also, a large population of community residents specifically voiced that people request information but have yet to see any results from the information provided.

- **Application to Other Projects:** Future programs should prioritize continued grassroots engagement strategies, ensuring that continued community voices drive the development of solutions.

2. Diverse Barriers Require Targeted Solutions

- **What We Learned:** Transportation challenges are multifaceted, including financial constraints, a lack of awareness of mobility options, and limited access to infrastructure. Each demographic group—youth, seniors, and low-income residents—faces unique barriers that require customized approaches.
- **Application to Other Programs:** Develop modular programs that can be adapted based on the needs of different communities, such as targeted subsidies for low-income households or safety workshops for seniors.

3. Digital Inclusion Is a Critical Factor

- **What We Learned:** Access to technology, including smartphones and the internet, plays a significant role in adopting modern mobility solutions. Many residents needed to familiarise themselves with the digital tools to use e-bike systems or shared mobility apps.
- **Application to Other Programs:** Incorporate digital literacy components into mobility programs to ensure equitable access and adoption.

4. Importance of Local Partnerships

- **What We Learned:** Partnerships with local organisations, schools, and community groups significantly enhanced outreach efforts and helped build trust within the community. These collaborations ensured broader survey participation and increased awareness of LBL's initiatives. We successfully located, secured, and partnered with a new location closer to the community we will serve. We also secured new partners that align with our vision of creating a community-based e-bike hub library with a subscription-based model. This was critical in our rollout plan for the pilot program.



- **Application to Other Programs:** Establish formal partnerships early in planning to leverage local networks for outreach, implementation, and sustainability.

5. Improving the Needs Assessment in the Future

1. Enhance Data Collection Methods

- **Observation:** Some surveys had lower-than-expected response rates or incomplete data. This limited the ability to generalise findings fully.
- **Recommendation:** Use mixed methods (e.g., in-person interviews, digital surveys, and focus groups) to capture a broader and more representative sample. Offering additional incentives and ensuring translation services can also improve participation.

2. Streamline Data Validation Processes

- **Observation:** It took a lot of time and energy to validate and sanitise the data.
- **Suggestions:** Teach employees how to efficiently gather and store data and use automated systems for data input and validation.

3. Iterative Community Feedback Loops

- **Observation:** Continuous participation was necessary to improve the results and verify solutions, even though the original survey provided excellent insights.
- **Suggestion:** Establish iterative feedback loops in which community members are frequently informed of results and asked to provide more commentary.

4. Expand Outreach to Underserved Groups

- **Observation:** Some data-gathering initiatives necessitated a greater representation of hard-to-reach demographics, such as persons without internet access or scheduling conflicts.
- **Suggestion:** Collaborate with reliable community activists and use outreach strategies suitable for the culture, such as providing translation services and making personal visits.

6. Applying Lessons to Future Projects

- Future evaluations should use the methodology and insights obtained from this CTNA to broaden their geographic reach to encompass nearby underprivileged communities.
- To ensure that initiatives are based on community needs, adapt the community participation and ongoing data-gathering tactics for other areas, such as public health or education so that they can be replicated across different fields.
- Sustainability planning could include financial sustainability models like subscription-based programs to lessen the need for grant financing without compromising service equity.

The LBL CTNA experience highlighted the significance of community-driven, inclusive, and iterative processes in creating effective mobility solutions. By addressing identified challenges and applying the lessons learned, future initiatives can lead to lasting and equitable transportation improvements that empower communities and promote sustainability. During this process, we identified community partners with deep-rooted connections in the area who were eager to participate and expressed a desire for more information. We now have the right community partners to facilitate a pilot program. We will begin with a small pilot project to gather essential data points for sustainable systems that support long-term planning outcomes.

Personnel and Non-Personnel Costs

Category	Task/Role	Rate	Hours/Events	Cost
Transportation Access Data Analysis	Manager time	\$50/hr	500 hrs	\$25,000
	Associate 1 time	\$20/hr	250 hrs	\$3,000
Community Engagement	Manager time	\$50/hr	80 hrs	\$4,000
	Associate time	\$20/hr	80 hrs	\$3,200
	Meeting events	-	3 events	\$30,000
Summary Report	Manager time	\$50/hr	120 hrs	\$6,000
	Associate 1 time (Bilingual)	\$20/hr	80 hrs	\$1,600
Project Preparation and Design	Manager time	\$50/hr	60 hrs	\$3,000
	Associate 1 time	\$20/hr	80 hrs	\$1,200
Voucher Administration Costs	Marketing	\$50/hr	204 hrs	\$10,200
	Travel	\$600/hr	10 hrs	\$4,400
	Printing	\$600/mo	12 mos	\$2,400
	Mail	\$100/mo	12 mos	\$1,200
	Insurance	\$400/mo	12 mos	\$4,800

Next Steps

Clean Mobility Options Project Operation and Design

Establishing a subscription-based e-bike rideshare service, such as Harmonie-Bikes, in SB535 and AB1505 communities is a commendable initiative that aligns with California's environmental and transportation equity goals. To ensure the project's success, securing adequate funding is crucial. Here is a comprehensive guide to determining an appropriate funding request:

1. Conduct a Detailed Financial Needs Assessment

Begin by itemizing all anticipated expenses:

- E-Bike Acquisition: Purchasing 10-20 foldable Class 2 or 3 e-bikes.
- Cargo Van: For on-demand delivery and data collection.
- Infrastructure: Setting up two hub locations, including charging stations and storage facilities.
- Operations expenses include staff pay, upkeep, insurance, and marketing.
- Regarding technology, we are working on creating or acquiring a platform for managing subscriptions and real-time tracking systems.

This evaluation will reveal an accurate picture of the overall budget needs. Funders like reasonable and justifiable budgets; therefore, it's wise to ask for a sum that covers these expenses without going beyond.

[California Arbitration Board](#)

2. Align with Funding Program Limits

The California Air Resources Board (CARB) offers a maximum of \$500,000 in planning and capacity-building (planning) grants. Please ask for the amount that will help your community the most with its planning and capacity-building efforts.

[California Arbitration Board](#)

3. Explore Additional Funding Opportunities

- Think of more financing sources than CARB:
- More financing or incentives may be available via programs offered by the Monterey Bay Air Resources District (MBARD), such as the Landscape Equipment Exchange Program (LEEP) and the Diesel Engine and Equipment Replacement Program (DEERP).
- [MBARD](#)
- [MBARD](#)
-
- Federal Programs: The Environmental Protection Agency (EPA) has initiatives like the Clean School Bus Program, which, while focused on school transportation, indicates federal interest in clean mobility projects.

- [MBARD](#)

4. Justify the Funding Request

Continue with an ongoing financial needs assessment to determine the proper community modalities before grant submission. This method enhances the chances of receiving funds while also displaying budgetary discipline.

[California Arbitration Board](#)

5. Consider Phased Funding

It may be necessary to undertake the project in stages if its overall cost is more than the grant's budget:

Phase 1: Launch with a reduced fleet and service region to prove feasibility.

Phase 2: Capitalize on early achievements and explore other avenues for financing to expand.

Scalability and reduced initial financial risk are achieved using this technique.

6. Engage with the Community

Clean transportation initiatives can only be successful with the active participation of the community. Helpful feedback and suggestions for the project will be used by interacting with the community. [Cal ILG](#)

Conclusion

After a comprehensive evaluation of project expenses, conformity with funding program constraints, long-term planning, and the capacity phase are all necessary to arrive at the optimal proposal for Harmonie-Bikes. By thoroughly examining and investigating different financing sources, Harmonie-Bikes Rideshare & Delivery may be positioned to promote sustainable mobility inside SB535 and AB1505 areas. Living Better Lives will do this.

Appendix

A. Key Terms and Acronyms

- CTNA: Community Transportation Needs Assessment.
- SB 535: Senate Bill
- AB 1550: Assembly Bill
- CMO: Clean Mobility Options
- HarmoniE-Bikes: A proposed e-bike subscription and rideshare model aimed at promoting sustainable mobility.

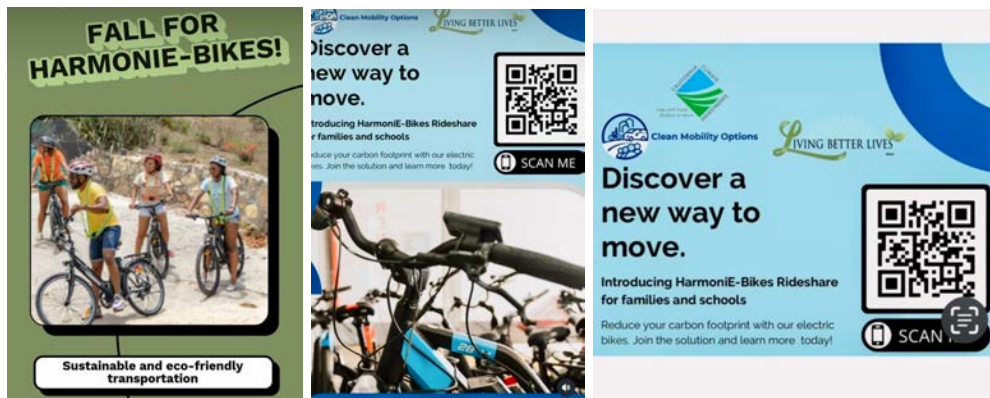
B. Survey Data:


- Total Surveys: 300 surveys.
- Total Responses: 65 valid submissions.
- Languages: English and Spanish

C. Demographics and Target Communities

- Hispanic/Latino, African American, and multiracial populations.
- Income: Under \$5,000 annually.
- Target Communities: Marina, Seaside, and Salinas in Monterey County.
- SB 535 and AB 1550 census tracts prioritised for equitable mobility solutions.

D. Outreach Materials






HARMONIE-BIKES RIDE SHARING AND DELIVERY SUSTAINABLE MOBILITY FOR OUR COMMUNITY

Living Better Lives is excited to announce our Clean Mobility Data assessment to our community. We are working with community partners and residents to create an e-bike rideshare program, and your feedback is welcome and appreciated! Please join us to see these clean mobility options. NOW IS THE TIME to let your voice be heard. Join the movement using the QR code or the link below.

<https://survey.dchimer.com/s3/7570965/CTNA-Survey-Resident-New-Living-Better-Lives>



LEARN ABOUT OUR PROGRAM AND SERVICES.

ELECTRIC BIKE LIBRARY AND ON-DEMAND RIDESHARING

E-Bike delivered conveniently to your home and accessible on the go, bringing unparalleled convenience and sustainability to your daily commute and leisure activities.

ASSEMBLY AND REPAIR SERVICES ON DEMAND

Experience hassle-free maintenance with our on-demand assembly and repair services, designed to keep your e-bike performing at its best.

COMMUNITY MOBILITY SUBSCRIPTIONS



Our community mobility subscriptions provide a tailored and affordable solution for residents to embrace green transportation, improve local connectivity, and foster a greener community spirit.

WORKSHOPS AND TRAINING ON ELECTRIC BIKE SAFETY AND TECHNOLOGY

Our workshops offer safety training, exceptional guest instructors with knowledge of e-bike technology, and Greenway education, equipping participants with vital skills for safe and eco-friendly urban cycling experiences.

WE CARE ABOUT YOUR HEALTH

- Harmonie-Bikes ridesharing and delivery on the go and accessible to the community.
- Our affordable solutions reduce your carbon footprint and keep you healthy.
- Safety and Green Pathway options for vocational learning.

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  contact@livingbetterlives.org



HARMONIE-BIKES RIDE SHARING AND DELIVERY SUSTAINABLE MOBILITY FOR OUR COMMUNITY

Living Better Lives se complace en anunciar nuestra demostración de lanzamiento de E-bike rideshare y la participación en el paseo. Únase a nosotros el 10 de Mayo de 2024 para compartir opciones de movilidad limpia. Habrá capacitación y demostraciones de seguridad para bicicletas eléctricas, paseos gratuitos, juegos, música, pintura de caras, vendedores, artesanos, buenas vibraciones y positividad. Regístrese temprano utilizando el código QR.



APRENDE SOBRE NUESTRO PROGRAMA Y SERVICIOS.

BICICLETAS ELÉCTRICAS Y VIAJES COMPARTIDOS A PEDIDO

E-Bike entregada cómodamente en su hogar y accesible mientras viaja, brindando comodidad y sostenibilidad incomparables a sus viajes diarios y actividades de ocio.

SERVICIOS DE MONTAJE Y REPARACIÓN BAJO DEMANDA

Experimente un mantenimiento sin complicaciones con nuestros servicios de montaje y reparación bajo demanda, diseñados para que su bicicleta eléctrica funcione al máximo.

SUSCRIPCIONES DE MOVILIDAD COMUNITARIA

Nuestras suscripciones de movilidad comunitaria brindan una solución personalizada y asequible para que los residentes adopten un transporte ecológico, mejoren la conectividad social y fomenten un espíritu comunitario más ecológico.

TALLERES Y CAPACITACIÓN SOBRE SEGURIDAD Y TECNOLOGÍA DE BICICLETAS ELÉCTRICAS

Nuestros talleres ofrecen capacitación en seguridad, conocimientos sobre tecnología de bicicletas eléctricas y educación sobre Caminos Verdes, equipando a los participantes con habilidades vitales para experiencias de ciclismo urbano seguras y ecológicas.

NOS PREOCUPAMOS POR TU SALUD

- Viaje compartida y entrega de Harmonie-Bikes sobre la marcha y accesible para la comunidad.
- Nuestras soluciones asequibles reducen la huella de carbono y le mantienen saludable.
- Safety and Green Pathway options for vocational learning.

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Waiver and Release of Liability

Agreement made on the _____ day of _____, 20____, between
 _____, referred to herein as the **Organizer**, and
 _____, referred to herein as the **Participant**;

Whereas, pursuant to, Organizer has organized a bike ride, to be held on _____ at _____
 ; and

Whereas, for and in consideration of being allowed to participate in said bike ride and other good and valuable care, the receipt and sufficiency of which is at this moment acknowledged, the undersigned agrees as follows:

1. To the best of my knowledge and belief, I am in good physical condition and fully capable of participating in said bike ride.
2. I am fully aware of the risks and hazards connected with this activity, including physical injury or even death. At this moment, I elect to participate in this bike riding event voluntarily.
3. **I, at this moment, VOLUNTARILY ASSUME FULL RESPONSIBILITY FOR ANY RISK OR LOSS, PROPERTY DAMAGE, OR PERSONAL INJURY, INCLUDING DEATH** that may be sustained by me or loss or damage to property as a result of my participating in said bike ride.
4. I, with this **RELEASE, WAIVE, DISCHARGE, AND COVENANT NOT TO SUE** the Organizer and further agree that the Organizer is free from any liability, claims, demands, actions, and causes of action whatsoever arising out of or related to any loss, damage, or injury, including death, that may be sustained by me, or to any property belonging to me while participating in a said bike ride. In giving the preceding, I waive all rights that I may have to make any demands and claims against the Organizer, which are forever barred. My expressed intent is that this release and hold harmless agreement shall bind me, my heirs, assigns, and personal representatives and be deemed a **RELEASE, WAIVE, DISCHARGE, and COVENANT TO NOT SUE** the Organizer.
5. **Helmets are an important safety device and are required to participate in this bike ride.**
6. I am aware that with any bicycle-related activity, there are certain inherent dangers, including but not limited to the hazards of all roads, off-road terrain, accidents, and actions of

 Initials of Participant

Page 1 of 2



Revolutionize Your Clean Mobility Experience

Welcome to our HarmoniE-Bikes Rideshare & Delivery program, the only solution you will ever need. Our powerful and intuitive mobility options will change the way you think about clean transportation and commuting. With our groundbreaking features, sleek designs, and superior experience, you will never look back.

[Get started now](#)

Program Overview

Sustainable Community Mobility

HarmoniE-Bikes is leading the way in revolutionizing community mobility with a blend of sustainability and convenience. Our Rideshare & Delivery program introduces a modern way to travel and connect.

Electric Bikes and Vehicles

Experience the future of transportation with our fleet of electric bikes and vehicles. Say goodbye to emissions and hello to a greener way of getting around.

Mobile Local Produce Delivery

Enjoy the convenience of fresh, locally sourced produce delivered right to your doorstep. Our mobile delivery service brings farm-fresh goodness to your community.

On-the-Go Service Center

Never worry about bike repairs again. Our on-the-go service center brings convenience to a whole new level, offering mobile repairs to keep you on the move.

Features and Benefits

Eco-Conscious Commuting

Navigate the city on our e-bikes, knowing you're contributing to a cleaner environment.

Mobile Produce Delivery

Fresh, local, and organic products delivered right to your neighborhood.

Service Center and Mobile Repairs

Our comprehensive service center, alongside roving repair units, ensures your e-bikes are always ready to roll.

How It Works

Register

Choose your service, sign up, and become part of the HarmoniE movement.

Ride, Receive, or Repair

Book a bike, schedule a delivery, or request a repair—all via our intuitive app.

Experience the Difference

Enjoy the seamless integration of eco-friendly transport and top-notch service.

Pricing and Plans

Free Plan

Our free plan offers basic features and is perfect for small teams and personal use. You can upgrade your plan anytime.

Pro Plan

Our pro plan offers advanced features and unlimited usage. Ideal for growing teams and businesses.

Enterprise Plan

Our enterprise plan offers customized solutions, dedicated support, and premium features. Ideal for large organizations and complex requirements.

▼ Discounted Rates and Subsidies

We believe in making our services accessible to everyone. Discounted rates and subsidies are available for those who qualify. Contact us to learn more.



Service Center with Mobile Repairs: Keep Your E-bike in Top Condition

At our state-of-the-art service center, we provide exceptional maintenance and repairs for all our e-bikes. Our dedicated team of experts ensures that your e-bike is always in top condition, delivering optimal performance and reliability.

But we understand that convenience is key. That's why our mobile repair units are ready to come to you, wherever you are. Whether you're at home, work, or on the road, our skilled technicians will provide on-the-spot repairs, making it easy and hassle-free to keep your e-bike running smoothly.

FAQs

▼ How can I request a mobile repair?

Simply book a service through our app, and we'll dispatch a technician to your location.

▼ What if I encounter a problem with my e-bike?

Our customer support team is always ready to assist you with any issues.

▼ What makes HarmoniE-Bikes, Rideshare & Delivery unique?

Our program is unique because it offers a range of powerful features, intuitive design, and excellent support at an affordable price.

▼ Is HarmoniE-Bikes Rideshare & Delivery easy to use?

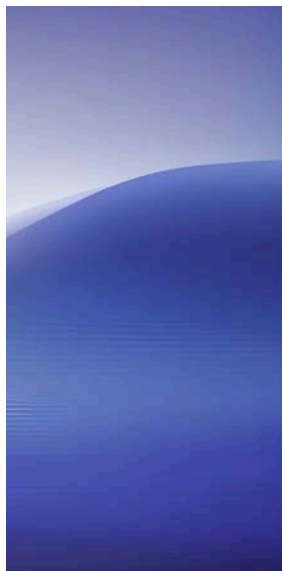
Yes, our services we provide is designed to be user-friendly and intuitive. You can get started in minutes, and our support team is always available to help you.

▼ What kind of support does the program offer?

We offer 24/7 support via chat, email, and phone. Our support team is highly trained, friendly, and dedicated to helping you succeed.

▼ Can I customize the program to my needs?

Yes, we offer a range of customization options, including pricing tiers, pay-as-you-go and monthly subscriptions. we cater to every community member. Discounted rates and subsidies are available for those who qualify..



Contact Us

Get in touch with us today and discover the power of HarmoniE-Bikes Rideshare & Delivery.

Contact Us