

URBAN GREENING GRANT

Urban Greening Emission Reduction Program is part of [California Climate Investments](#), a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment — particularly in disadvantaged communities.

SECTION 1 - APPLICANT INFORMATION (PLEASE PRINT OR TYPE)

1. Organization, Company, or Proprietor's Name (as it appears on Form W-9): Little Manila Foundation		
2. Physical Address: 2154 South San Joaquin Street		
3. City: Stockton	4. State: CA	5. Zip Code: 95206
6. Mailing Address (if different from above):		
7. City:	8. State:	9. Zip Code:

SECTION 2- CONTACT INFORMATION (PLEASE PRINT OR TYPE)

PRIMARY CONTACT INFORMATION		
1. First and Last Name: Nicolas Tamayo		2. Title: Urban Forestry Director
3. Phone Number: 916-494-8182	4. Fax Number:	
5. Alternate Contact Number:	6. Email (required): nicolas@littlemanila.org	
SIGNING AUTHORITY INFORMATION (IF DIFFERENT FROM ABOVE)		
1. First and Last Name: Dillon Delvo		2. Title: Executive Director
3. Phone Number:	4. Fax Number:	
5. Alternate Contact Number:	6. Email (required): dillon@littlemanila.org	

SECTION 3 – PROJECT INFORMATION (PLEASE PRINT OR TYPE)

Applicant may submit answers to this section on a separate document so long as the proposal answers each question in the order presented and the responses are numbered accordingly

1. Project Summary

Briefly describe your project including committed partners, expected implementation period, project costs and how the project will mitigate air quality impacts.

This grant will support capacity building and critically underfunded stewardship of the urban forest in the AB617 community. In addition to on the ground training, site preparation work for new planting sites and maintenance of planted sites, this grant will support the development of a long term sustainable stewardship master plan document developed in partnership with the District, City and other relevant stakeholders to lay out a policy and fundraising plan for long term funding.

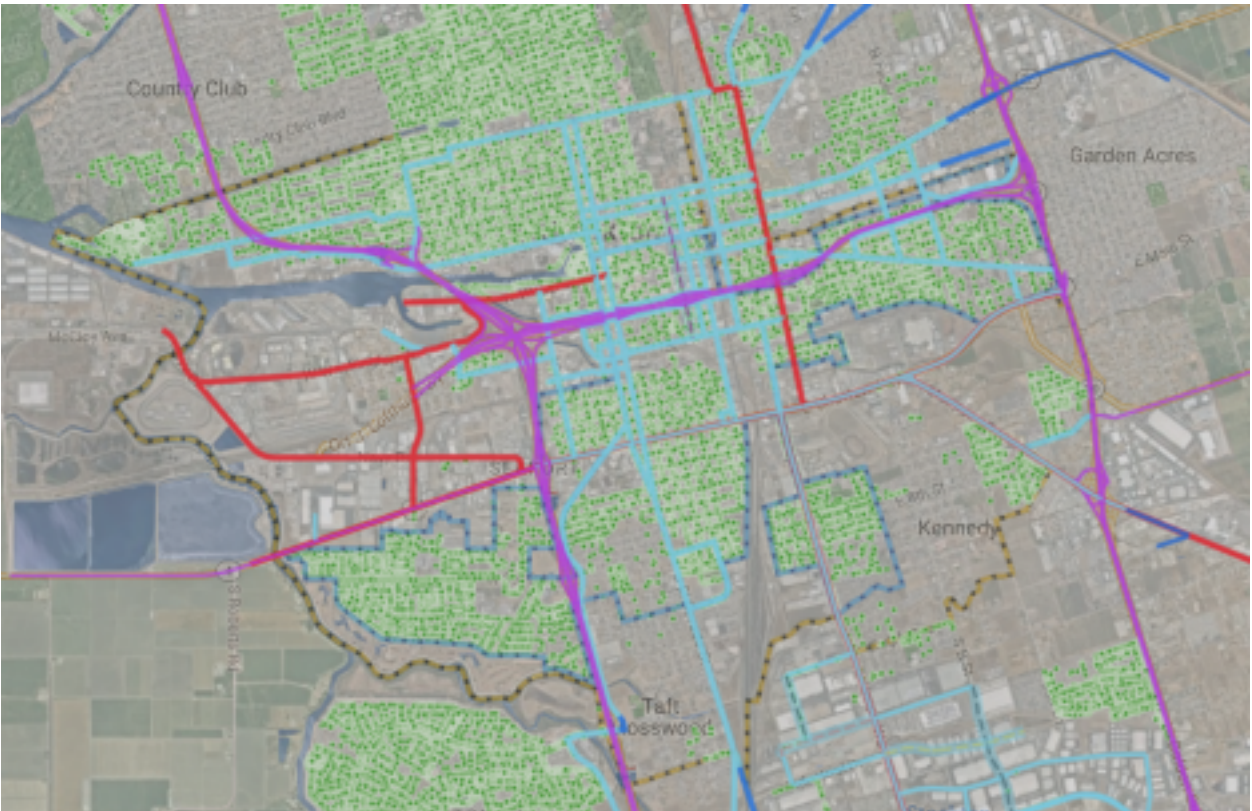
The grant will also fund a greening prioritization plan for the AB617 area, specifically catered to air pollution mitigation. It will be developed with best in class analysis of pollution dynamics (being modeled and measured under other grants), as well as windflow modeling, urban heat island impact, current canopy and leaf area, potential planting areas and the likely ecosystem services. The prioritization plan will also outline tree species recommendations to augment the city's approved tree lists to include more species specific to air filtration and drought tolerance. This analysis work will help target and prioritize the most sensitive receptors and provide the most ecosystem service co-benefits. The plan will also provide a parcel by parcel prioritization tool to aid the outreach team in targeting most impacted and in need communities in the outreach process.

(Example images from other projects are shown in the appendix for reference)

Based on the iTree Report, our proposed project would sequester 4,224,786 pounds of CO₂. It would remove 9,130 pounds of O₃, 1,279 pounds of NO₂, 336 pounds of SO₂, and 300 pounds of PM 2.5. Furthermore it would save 481319 kWh and intercept 8,150,484 gallons of rainfall. During the project, additional site specific scientific CFD based simulations will be performed and reported beyond the capabilities of iTree.

2. Location of Project

Provide address or cross-streets and describe surrounding area. Please attach photographs of the project site, and aerial photo of the project from an online resource, and a representation of the project plan area (i.e., site plan).



The above map is of the current City of Stockton canopy. This map highlights the particular need in south stockton, south of the Crosstown, and in particular areas that lie south of MLK Blvd. The map also outlines the AB617 project area. It can be anticipated that areas with significant canopy degradation and/or a near complete lack of canopy coverage will be among those prioritized in the data collection period of the implementation plan.

We intend to focus outreach and site scouting efforts in focus areas not currently covered under TCC boundaries. These include but are not limited to the neighborhoods just south of Harding and surrounding Victory Park, Boggs Tract, and a significant portion of the city lying east of the San Joaquin Fairgrounds. Additionally, we expect to work with partner organizations in these neighborhoods that are either already identifying locations for trees and/or have a significant reach with residents that we can tap into to speed up outreach efforts. All plantings sites will be located within the first 12 months of the Implementation Period.

The proposal does not specify any specific area of the AB617 project area for plantings, however, tree planting will occur throughout the project area with a prioritization for areas that are historically underserved and have an inequitable canopy coverage in comparison to other regions of the city covered by the project boundaries. A prioritization plan will be created that consists of data collection, canvassing and outreach. LMR and Hyphae intends to survey all of the current active transportation corridors provided through Stockton Unified School District's Safe Routes to Schools Program (SRTS) as well as non SRTS corridors and identify a majority of the tree planting locations either along the corridors or throughout the immediate surrounding neighborhoods streets where families that utilize the routes live.

Locations not located along these corridors will still be surveyed and considered within the overall planting and outreach strategy as we expect not all of the available planting spaces will be viable after full site assessments are completed.

3. Is the applicant the property owner of the land on which the project will be implemented?

Yes.

No.

Please provide the name and contact information for the Property Owner(s) of Each Parcel within Project Footprint or provide a demonstrated plan to obtain the authority from the property owner(s).

No, we are not. Planting will occur across many private and public sites. We will collaborate closely with the City of Stockton to plant in the ROW. We expect to secure planting permits with the City of Stockton Permit Center, with support from Public Works, upon a submission of a complete list of site coordinates and the total number of trees planted on city ROW. We will collaborate with Caltrans for near road planting. We will also work with individual residents and businesses to get approval to plant on their land through our My Free Tree Program (MFT). We are already successfully doing this work in partnership with the City of Stockton through a TCC grant and will continue to optimize the process. An official property sign off process that includes a detailed maintenance agreement is part of the outreach plan.

As stated above, we have successfully launched a formal and city approved tree adoption program that requires any potential recipient of our trees to have an on-site consultation with our forestry staff and must sign an agreement form that officially makes them a My Free Tree Steward that is responsible for being the primary waterer of the tree(s). Within the maintenance agreement, tree recipients must also grant LMR and city staff (upon the City's adoption of city row planted trees into the city inventory) permission to enter property to support with maintenance and address issues and address mechanical and health concerns that arise. A new maintenance agreement will be created specifically for AB617 that includes Valley Air District as a primary partner and responsible parties requiring property access to conduct maintenance and data collection operations. Currently, My Free Tree recipients include renters and property owners, private businesses, faith-based organizations, and community spaces. This entire process follows extensive canvassing efforts where our staff go door-to-door to share program information and sign people up to receive trees and join our mailing list for event invites and broader TCC services. On the ground canvassing also gives our staff the opportunity to find and evaluate empty tree wells and planting strips and mark them for future plantings.

4. Describe Proposed Greenery

Include quantity of each plant or tree to be planted. Also note environmental benefits of the selected species (e.g., if the species is native, drought resistant, non-allergenic, or low-BVOC emitting), if possible.

Greening solutions will fall into different categories based on site conditions and air pollution exposure variance. Street tree locations will include a mixture of primarily native drought tolerant species. Sites close to the freeway will receive more, denser packed species. Some of the plants below were swapped with close equivalents for the iTree calculation, which does not have a complete list in the calculator. Additionally, low VOC requirements are critical for vegetative barrier effectiveness. These changes were documented.

Plant List	
Acer negundo	Box elder
Acer platanoides	Norway Maple
Acer rubrum	Red Maple
Arbutus menziesii	Pacific madrone
Pinus torreyana	Torrey Pine
Calocedrus decurrens	Incense Cedar
Cedrus deodara	Deodar Cedar
Chamaecyparis lawsoniana	Port orford Cedar
Cupressus arizonica	Arizona Cypress
Cupressus sempervirens	Italian Cypress
Fraxinus Americana	White ash
Fraxinus angustifolia, oxycarpa	Raywood ash

Fraxinus latifolia	Oregon Ash
Juniperus californica	California Juniper
Juniperus chinensis	Chinese Juniper
Laurus nobilis	Bay Laurel
Magnolia grandiflora	Southern Magnolia
Melaleuca leucadendra	White paperbark
Morella californica	Pacific Wax myrtle
Pinus canariensis	Canary Island pine
Pinus pinea	Italian stone pine
Populus fremontii	Fremont cottonwood
Pseudotsuga menziesii	Douglas Fir
Quercus agrifolia	Coastal live oak
Quercus kelloggii	California Black Oak
Quercus suber	Cork Oak
Aesculus californica	Buckeye
Thuja plicata	Western Red Cedar
Tristanopsis conferta	Brisbane Box
Cupressus forbesii	Tecate Cypress

5. Area of Project Footprint to be created or Enhanced (acres or square footage) Potential sites Include the whole AB 617 Project Area

6. Proposed Irrigation Systems

Describe the type of irrigation systems (e.g., drip, overhead spray)

Where water access exists, drip irrigation will be installed, but most planting sites will not have access to onsite water. These sites will have drought tolerant species and be watered by the stewardship team’s watering truck, or property owner/volunteers, where possible.

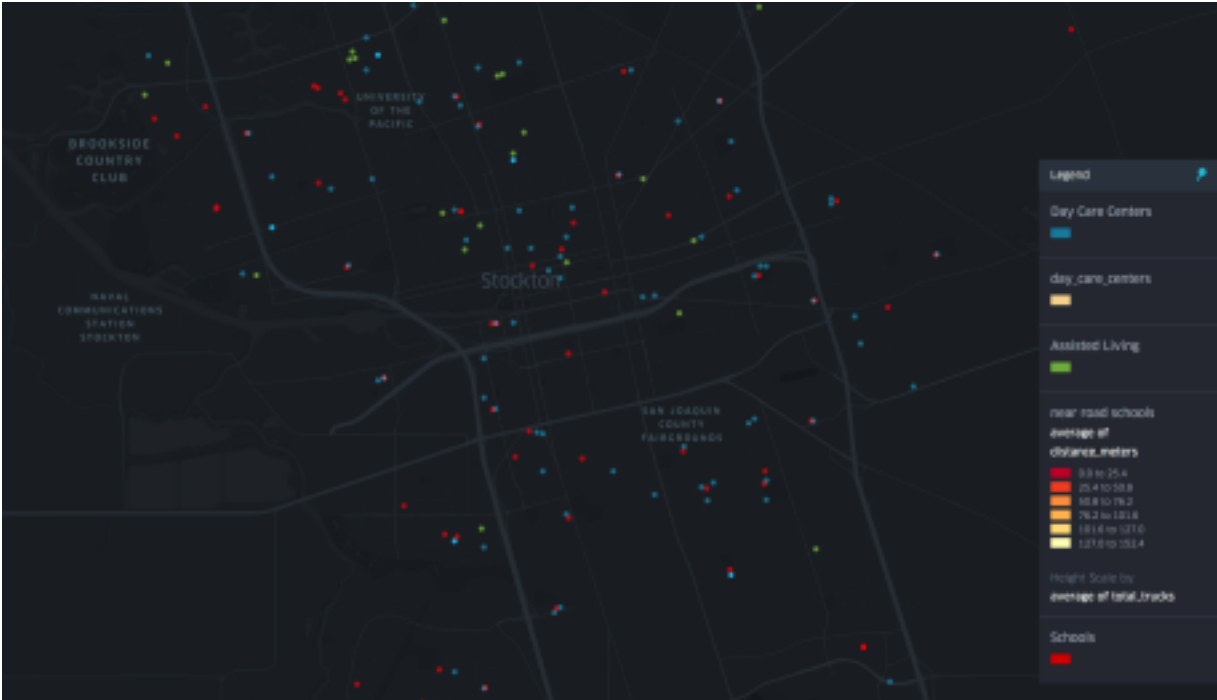
7. Project Limitations

Describe any possible project limits such as parking, hours of operation, available staffing, user fees, seasonal restrictions, or other ecological considerations.

Lack of available funding for stewardship and maintenance is a huge limitation for the long term success of urban greening/forestry projects. Another challenge is gaining tree planting approval in communities most impacted but also often hardest to recruit. This grant helps to address both of these challenges, providing funding for stewardship as well as funding to do more directed outreach to sensitive receptors and leverage other departments in LMR and outside organizations to build strong community connections. In addition detailed analysis/modeling will help prioritize locations with the most ecological and social benefits. Tree planting will require planning with the City and communities and LMR will obtain all necessary permits to complete the project.

8. Sensitive Receptors

Provide a list of sensitive receptors (e.g., schools, day cares, residences) within 1,000 feet of the project



Over 150 sensitive receptors are in the project area. A spreadsheet can be provided upon request.

Some sensitive receptors include the following:

Schools: King Elementary School, Hazelton Elementary, Spanos Elementary, Huerta Elementary, Edison High School, All Saints Academy
Community Centers: Van Buskirk Community Center, Stribley Community Center
Day Care: Community Partnership-Families, Happy Little Angels, Creative Child Care-Sierra

A link to a map is provided below for a more detailed list:

https://www.google.com/maps/d/edit?mid=1XHmyx2XCZ-MFE_YUn5oKboJ7v1zX4u0&usp=sharing

9. Estimated Timeline for Project Implementation

Provide an estimated timeline for project implementation assuming project is notified of grant approval within 90 working days of submittal of application. Include preliminary design, environmental documentation, permitting, long-term operations and maintenance commitments, and any other relevant actions as steps in this timeline. Describe the measures that will be utilized to assure completion of the project within the indicated time.

Date	Year	Action
Q3-Q4	2024	Project Implementation Plan
Q4-Q1	2025	Data Collection and Neighborhood Scale Environmental Modeling
Q1	2025	Stewardship Manager Hiring
Q1-Q2	2025	Community and Stakeholder Engagement
Q2	2025	Neighborhood greening for health prioritization strategy development
Q2-Q4	2025	Stewardship teams begin outreach, planting and maintaining
Q2	2025	Neighborhood greening for health prioritization plan complete
Q3	2025	Long Term Stewardship Consortium and Masterplan Development
Q3	2025	Long Term Stewardship Plan completion
Q1-Q4	2025	Ongoing Stewardship outreach, planting and maintaining
Q1-Q4	2026	Ongoing Stewardship outreach, planting and maintaining
Q4	2026	Final Report

1. Implementation Plan

The first two quarters will be dedicated to creating our implementation plan that consists of outlining our strategy for mapping, scheduling of canvassing and residential outreach days, technician site visits and evaluations to determine site viability and subsequent soil testing, planting day scheduling and coordinating with training program curriculum and staff, maintenance scheduling, and coordination between Hyphae and LMR staff on creating and conducting data collection to measure environmental and health impacts of trees planted. The Implementation phase is expected to include significant meetings with stakeholders, as well as developing a planning group of core stakeholders to incorporate the perspective and leadership of the community.

2. Data Collection, Neighborhood Scale Environmental Modeling, and Prioritization

The data collection and modeling phase will include gathering of historical and existing

data, analysis, and significant site specific data collection and preliminary calculations to establish benchmarks and baseline conditions for environmental justice parameters. Based on the existing assessment, paired with the prioritization, a shortlist of ideal interventions will be identified through the process. Scientific data will be used primarily as a tool to strategically locate interventions where they will be most effective. Areas with higher population density, especially with high densities of sensitive populations (such as children, the elderly, or people with respiratory problems), will be prioritized for greening. Areas with the least trees and green spaces will also be prioritized for greening. All of this data will be clearly recorded and presented to the community at large.

3. Community and Stakeholder Engagement

This grant will fund two new positions for our program that we foresee as critical to the project's planting and maintenance deliverable. Two part-time Trust Builders will be hired to join the team of our existing EJ Communications Manager and Coordinator to implement our stacked engagement method. These four staff members will be responsible for creating effective outreach and educational content around tree benefits, tree management, and technical skill building. They will be responsible for identifying methods for outreach that yield the most enrollments into our MFT program, and working closely with the Community Forestry staff to directly engage prospective My Free Tree stewards through 1:1 site assessment prep and the hosting of community outreach events.

We will also use the data collected by Hyphae to focus our greening strategy around key sensitive receptor sites and to plant in areas that will maximize the health benefits of our trees and community. Once the focus areas are identified, LMR staff will create and implement a strategy to canvas the project area for tenants, individual property owners and businesses to enroll into our My Free Tree program. Should a tree planting occur on the city ROW adjacent to the property and/or on the front yard of the property, LMR will require a maintenance agreement signed by the resident or property owner. We will also distinguish city trees (which are included into the city-wide tree inventory and have to adhere to city planting specs and species selection) from street trees and backyard trees. The latter may not be incorporated into the city maintenance plan and as such will be the property owners responsibility to maintain through the tree's lifespan.

We anticipate hesitancy from residents living in many neighborhoods in South Stockton, who have seen the existing canopy go unmanaged over the last several decades and who rightly have concerns around future tree-related accidents involving tree and limb failures causing property or infrastructure damage at the cost of the property owner. As a community forestry group seeking to represent and serve our community respectfully, we will not plant a tree without the consent of the adjacent property representative. Our maintenance agreement is a commitment on their behalf and ours to properly plant, provide consistent water and care, and communicate with one another, through the establishment of a MFT tree. If we are unable to prove our ability to meet our end of the agreement to any prospective Steward, we have the flexibility to continue building relationships through other means.

We will host community planting, pruning, and maintenance events around the city. The community will take a more active role in collectively supporting the long term viability of these trees, and work with us to communicate when trees need to be replaced, are damaged or showing signs of disease, and actively support with watering throughout the 10 years of the grant period. LMR will continue to facilitate partnerships with other

community-based organizations and will work together to pilot a stewardship program to maintain, monitor, and evaluate implemented projects, including local resident job training and hiring.

The community process will be interwoven throughout the technical workflows. In order to give the community the resources necessary to make informed decisions, the aim will be to bring data that has been collected to the community. The community and stakeholders will also be actively informed and included throughout the masterplan process. Partnering with various community groups/organizations is key, because it allows the community to also be actively involved in its own development. Involving existing organizations in Stockton allows the masterplan to help support the ongoing work that members of the community have already established. Examples of work that local groups could contribute to the plan are youth engagement, community education, and tree planting.

3. Masterplan Development and Design

Based on the findings from the initial assessment, modeling efforts, and stakeholder engagement, a comprehensive strategy for urban greening will be developed. Specific goals, targets, and key performance indicators for air quality improvement will be identified and suitable locations will be analyzed for urban greening implementation, considering factors such as air pollution hotspots, urban form, and land availability. Materials summarizing and a master plan final report of the key findings and recommendations will be presented to the community and stakeholders..

We will make design drawings from initial concepts and develop them with more detail. These will be then presented to the City, community, and District. We will also work with the City and community to develop high-level strategy for fundraising, operations and maintenance, and a toolbox of design strategies becoming a roadmap for future budget allocation, policy and capital improvement.

4. Permitting

LMR and Hyphae will work closely with the City and other agencies to meet code and permit requirements. LMR will coordinate the initial and final submission of the Construction Document sets to the agencies having jurisdiction over the projects in order to accomplish the issuance of any necessary permits. Hyphae will lead the modeling, prioritization, and design of multi-tree planting sites and we will jointly present them to Caltrans' landscaping division and City of Stockton Public Works, for approval.

5. Maintenance and Stewardship

We intend on leveraging equipment purchased through TCC this past year, including 2 work trucks, 1 van, and 1 water wagon to support the daily work of two newly funded Community Foresters, who will be responsible for devoting between 10 and 20 hours per week to plant, mulch, prune and weed, replace stakes and ties as needed, and replace missing or damaged trees as needed. Our Community Foresters will be supported by a Community Forestry Coordinator, who will work with the Urban Forestry Director to create the planting and maintenance strategy, oversee field operations, and implement public tree related events in collaboration with our community outreach staff. All field work will be supplemented by our training cohorts working through our 15 week forestry training program who learn how to plant trees and maintain them through on the job training, at 24 hours per week.

After the 10 year grant period is completed, we can reasonably expect the City of Stockton to inherit the majority of the trees planted through the grant into the City tree

inventory which its tree maintenance subcontractors are responsible for maintaining and keeping track of, and we will support them in these efforts for the foreseeable future. Moreover, all necessary maintenance agreements will be made with Caltrans to ensure long-term maintenance of trees within their ROW. Along with these and other community partnerships, LMR will develop a long-term, community-based stewardship program that includes watering, plant and tree maintenance for individuals and businesses who received plantings as part of the 10 year grant program.

LMR will manage the Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents. LMR will prepare invoices including relevant supporting documentation for submittal and will also coordinate with partnering agencies and managing consultants/contractors. In addition, there will be ongoing participation in meetings with stakeholders and the community; development and implementation of project plans; record-keeping procedures; reporting procedures; and financial tracking and disbursements. The following deliverables will ensure the project is completed during the proposed timeline:

- Implementation plan and schedule
- Analysis of prioritized planting areas
- Urban Greening masterplan
- Design drawings and planting plans
- Plant list: Identifies the plants that should be used in the various masterplan interventions
- Stakeholder/Community engagement plan and feedback from the District, City, Community, and other stakeholders
- Oversee the planting in collaboration with local tree planting groups, job training organizations, and local contractors
- Develop success criteria
- Project Monitoring Plan: Develop and oversee monitoring protocol for air quality before, during, and after implementation
- O&M Manual
- Stewardship program to maintain, monitor, and evaluate implemented projects
- Final report

The proposal includes LMR to plant and maintain the trees and plants for 10 years (importance of securing adequate equipment) while securing a maintenance agreement with the City. LMR will work with the City to maintain the trees after 10 years and help transition into their inventory. LMR will develop a stewardship program with the community to help with long-term watering and maintenance along with development of an O&M manual and nonprofits/partnerships with subcontractors will help with the plantings. Performance goals will be established to track progress and LMR will update the community and Valley Air District and will present a final report to all stakeholders.

Little Manila's Urban Forestry Program [LMR] started in December 2022 with funding from the Transformative Climate Communities (TCC) grant. Over the last several years, LMR has been able to successfully launch the Urban Forestry Training Program with the intention of building a new community focused urban forestry labor force focused on giving returning citizens who have served time in the California penal system a fair opportunity to get back on track to employment. The program focuses on hard skill development through on the job experience in all facets of tree establishment such as

planting, staking, right tree-right place, and a heavy emphasis on mulching and water management. In post-planting, our participants learn about the importance of soil health, the local soil type, and the unique challenges of keeping young trees alive, not only in times of drought, but in city environments where the societal struggles of homelessness and municipal de-funding of the parks and public works departments have left green infrastructure in decay in the areas of Stockton most in need of canopy renewal. In the past year, we have positioned our organization to be the only community organization in South Stockton with right of way access on street planting locations, residential properties, and city parks.

We have a close and productive relationship with the City Public Works Department and collaborate on planning, planting, and community events hosted at parks around the city. We are on track to plant 650 trees by the end of May and will be responsible for the full maintenance of all TCC Round 3 trees through the summer. We have been intentional about building a framework for doing urban greening that is built around teaching and practicing stewardship and is a testament to our success that the City has been willing to trust us with increased ownership and responsibility of a large state grant.

Hyphae has worked for over a decade as an environmental justice advocate and organizer in Oakland. Founded in an environmental justice community of West Oakland, experiencing unjust exposure to urban health impacts like soil contamination and poor air quality they have developed multibenefit green infrastructure that incorporates vegetated buffers for air filtration, as well as bioremediation strategies for groundwater and soil, with a focus on environmental health. They have been involved with previous projects looking at how sensitive receptors such as schools and community centers are impacted by upstream and surrounding air pollution sources from freeways and point sources. They have worked with communities in Oakland and the East Bay for a decade to co-found an EJ group to provide proactive community initiated solutions, and now help other communities with similar challenges. Some relevant projects are noted below:

- Greenheart Louisville (Environmental Health focused green infrastructure masterplan) <https://greenheartlouisville.com/>
- Adapt Oakland (Environmental Health focused green infrastructure masterplan) adaptoakland.org
- Saint Margaret Mary's (School Vegetated Buffers for air quality)
- West Elm (Living Roofs, Bioswales, green walls)
- Los Angeles Roundabout (Bioswales, Air Quality, traffic reengineering)
- Groundwork Richmond (Vegetated Buffers for air quality)

10. Project Implementation

Identify the key individuals responsible for project implementation and their roles.

Name	Title	Org	Project Role
Jasmine Leek	Environmental Justice Director	Little Manila	EJ liaison to air quality monitoring work and AB617
Nicolas Tamayo	Urban Forestry Manager	Little Manila	Project Manager
TBD	Tree Stewardship Lead	Little Manila	Lead crews in maintaining and planting trees
TBD	Tree Crew	Little Manila	conduct stewardship work
James Hansen	Project Management	Hyphae	Project Manager
Ivan Heitmann	Geospatial Engineer	Hyphae	Environmental Modelling of intervention benefits and ecosystem service
Daniel Fleischer	Chief Scientist	Hyphae	Oversee evidence based scientific design process
Mei Visco	Ecologist and Landscape Designer	Hyphae	Plant Selection, Planting Plans, Design
Brent Bucknum	Principal	Hyphae	Principal in Charge
TBD	Forester	Consultant	Review planting sites and plant selection. Batchelder Arborists have been contacted but final arborist has not been selected.
Asa Bradman	Professor	UC Merced	Health and Air quality assessment

11. Project Costs

Describe the estimated costs of the project.

Urban Greening Budget

<i>Item</i>	<i>Units</i>	<i>Unit Cost</i>	<i>Total</i>
Materials			\$180,700
Baseline Data Collection & Aggregation			\$42,000
Existing Data Collection		5200	\$5,200
Aquiring and processing Traffic and Meterological data		2400	\$2,400
Neighborhood & Urban Context 3D Models from LIDAR		7500	\$7,500
Setting up Air Quality Test Sims for Baseline Traffic Scenarios		5800	\$5,800
Neighborhood Scale Environmental Modeling			
Setting up software simulation domains for different modelling scer		4200	\$4,200
Neighborhood-Scale Wind Studies		7500	\$7,500
Setting up Air Quality Test Sims for Baseline Traffic Scenarios		9400	\$9,400
Outreach and Planting			
(LMR) Trees (12%)	500	238.00	\$119,000
(LMR) Marketing & Materials	1	19,700.00	\$19,700
Maintenance/Stewardship/Outreach			\$ 367,848.00
<i>EJ Internal Director</i>	0.05	41.00	\$12,792
<i>UF Director</i>	0.05	37.50	\$11,700
<i>Community Forestry Coordinator</i>	0.5	28.80	\$89,856
<i>Community Forester</i>	0.5	26.40	\$82,368
<i>Community Forester</i>	0.25	26.40	\$41,184
<i>EJ Communications Manager</i>	0.05	37.50	\$11,700
<i>EJ Communications Coordinator</i>	0.25	28.80	\$44,928
<i>EJ Trustbuilder (Canvassing/Outreach) (2)</i>	0.5	23.50	\$73,320
<i>See attached detailed budget breakdown</i>			
Contracted Services			\$ 320,275.00
Hyphae Design Labs	1	200,275.00	\$200,275
Subcontractor - Concrete Removal, Tree Planting Site Prep	1	120,000.00	\$120,000
Labor/Non-Construction (25%)			\$40,268
LMR Admin	1	40,268.00	\$40,268
<i>contingency</i>		10.00%	\$90,909
Total			\$1,000,000

MAINTENANCE/STEWARDSHIP/OUTREACH BUDGET						
					TOTAL	\$ 367,848.00
TASK #	COST CATEGORY	COST DESCRIPTION	COST PER UNIT (\$)	UNITS	TOTAL PROJECT COST All costs Hourly + 20% benefits	
1	Direct Costs	Environmental Justice Director .05 FTE	\$ 41.00	312	\$	12,792.00
1	Direct Costs	Urban Forestry Director .05 FTE	\$ 37.50	312	\$	11,700.00
1	Direct Costs	Community Forestry Coordinator .5 FTE	\$ 28.80	3120	\$	89,856.00
1	Direct Costs	(1) Community Foresters .5 FTE	\$ 26.40	3120	\$	82,368.00
1	Direct Costs	(1) Community Foresters .25 FTE	\$ 26.40	1560	\$	41,184.00
1	Direct Costs	EJ Communications Manager .05 FTE	\$ 37.50	312	\$	11,700.00
1	Direct Costs	Communications Coordinator .25 FTE	\$ 28.80	1560	\$	44,928.00
1	Direct Costs	(1)Trust Builders (canvassing/ outreach) .5 FTE	\$ 23.50	1560	\$	36,660.00
1	Direct Costs	(1) Trust Builders (canvassing/ outreach) .5 FTE	\$ 23.50	1560	\$	36,660.00

Little Manila Itemized Maintenance/Stewardship/Outreach Budget

Long term maintenance remains the most difficult challenge facing urban forestry in Stockton. In order to meet the requirements of multiple current and potential projects, our team has worked closely with our partners at the Strategic Growth Council to utilize TCC funds to purchase much of the equipment that we had originally redquest in the first couple of versions of this proposal. We have purchased a 2023 Ford F-450 utility bed truck, a 2024 Ford F-250 pick up, a 2023 Ford Transit Connect, and a 500 gallon Multiquip water wagon-trailer. All of the above vehicles are just a start for our program to begin to address the historic disinvestment in South Stockton’s canopy maintenance, which has taken shape without the ability to consistently water, prune, and maintain maturing and mature trees. We will work with contractors with concrete removal equipment such Bobcats, Dingos, and breaker kits, which are all necessary for removal of concrete and for moving earth at the scale and efficiency necessary to address undersized and aging sidewalks and other gray infrastructure that currently inhibit our ability to plant trees in South Stockton’s most environmentally and health-stressed neighborhoods. Fleet additions such as our water trailer and pickup truck will also enable us to expand our reach to more parts of the southside with our added staff. Additionally, the water trailer and truck will allow us to establish trees planted in non-irrigated spaces which include most, if not all, the city tree wells and planting strips in the area, as well as most parks, which are on a limited watering schedule through the summer and are prone to malfunctions. All of these in-kind equipment additions allow us to plant and manage our trees as well as ease the physical burden of our staff that comes with tree establishment.

Having the requested materials and outreach/stewardship budget allows us to continue planting long term with a more efficient workforce to plant trees in a large area. Recognizing the importance of community engagement, LMR will directly and actively engage community residents during the community engagement phase to ensure that project design and implementation continue to meet the needs of the residents. LMR with partners will conduct outreach and education with community residents to help ensure that identified end users in the community have the knowledge necessary to inform their participation in the decision-making processes. We received three bids from subcontractors (see supporting documents and bid comparison spreadsheet) which were used as a baseline for estimating their fees in the budget above. Subcontractor funds will be used to partner with a local contractor with machine site-prep and planting capabilities

including installation of large trees, which provides a uniform approach to planting rows and offers higher production rates and a higher likelihood of tree survival.

In 2021, our team (LMR) inherited the Urban Forest Renovation Project of TCC Round 3. In total, the project partners planted and maintained 1,400 trees within the TCC boundary: 1,100 trees planted by the City of Stockton Public Works Department (subcontractors) and 300 trees were planted by LMR. During Round 3 of TCC, we successfully launched a community planting campaign called My Free Tree (MFT) to engage residents at park plantings. Through canvassing efforts and targeted outreach, our team enrolls residents within the 5 square mile project area into a collective stewardship agreement between Public Works, LMR, and the “resident.” The agreement outlines a three year commitment by LMR to support residents in the maintenance and watering of any tree planted on their property or adjacent planting strip, and a commitment from the City to subsequently inherit those trees into their inventory and assume the maintenance responsibility henceforth.

To date, we have successfully planted and maintained well over 300 trees and was tasked to maintain over 900 trees through to the conclusion of the Round 3 project. Additionally, LMR was awarded a second round of funding to continue and expand upon the work we accomplished over the past two and a half years. In Round 4 of TCC, 1,500 more trees will be planted within the TCC boundary: 1,000 trees planted by LMR and 500 trees planted by Public Works. By 2028, 3,250 trees will be planted and maintained within a sizable portion of the AB617 project area through the TCC Program, with LMR being responsible for greater than half of the planting deliverable within the next three years.

Over the past several years of our organization’s involvement in urban forestry and workforce training efforts, we have learned that there is no shortage of funding for purchasing trees to plant in disadvantaged communities such as ours. With TCC alone, we would have the funding for 5 full-time staff and funding for 28 trainees to be enrolled in our 15-week training program over the next 3 years. We are exploring CalFire and CARB grants that can be used to fill in gaps in our operations and in project reach, in areas outside of the TCC/AB 617 boundaries. Still, our efforts can’t meet the needs of our community, which is severely lacking in the appropriate infrastructure to accommodate trees planted in accordance with CalFire specifications. Additionally, Public Works doesn’t have the equipment or staff to ensure that any of the thousands of trees planted in the next several growing seasons survive and must instead rely on corporate landscapers that cost the city a small fortune and have proven to only commit to the bare minimum of their negotiated contract.

AB617 enables us to build upon our current urban greening projects and embark upon a new urban forestry planting and maintenance strategy. The current practice of gathering 30 to 50 volunteers to plant 30-odd trees is not sustainable for our community nor is it a strategy we should be complacent with, when the data shows us that the health outcomes of residents living in zip codes ending with 95204, 95205, and 95206 are critically threatened. Barren, unpaved city blocks are 20 degrees hotter than areas with minimal tree cover. What this means is that right now, we are in a position to only invest in trees without also beginning to invest in a version of tree maintenance that reflects the scale of work at hand. This is a complete overhaul with first time investment in the green infrastructure and capacity of a city in need of support from its community. With the funds requested from this proposal, LMR will be able to utilize in-kind equipment (water trucks and tools) and partner with local organizations who are equipped to remove concrete, to

amplify an already growing Hyphae Design Labs and collaborate with them to refine our community outreach strategies and education materials to improve the community's as well as our own internal knowledge around trees and urban forest management. and urban greening effort throughout South Stockton. We are excited to follow the monitoring data collected and develop or more strategic planting prioritization process that focuses our limited staff time into the area highest in need of canopy additions. This funding is integral to our program's ability to be successful in meeting the needs of the community today and into the future.

Lastly, 500 trees will be planted in prioritized areas within the AB617 boundary but also within the existing TCC limits and the requested budget will also cover all of the necessary installation materials and additional replacements that will undoubtedly be needed over the maintenance period. The remaining funds that we are requesting will be used for investing in marketing materials, soil tests, and funds to partner with Hyphae and landscapers who will support with the data collection process and planting site prep work, respectively. All of these items are critical to the long term viability of any new canopy planted south of Hazelton Boulevard over the next decade and beyond. While the tree count may be lower than other proposed projects, we have allocated more budget towards maintenance staff to ensure the success of this project during the 10 year grant period. This grant will impact neighborhoods struggling with recent tree removals and the requested trees will be used to support the replacement of mature tree losses as well as enable us to work in more neighborhoods that have been ignored in the past.

12. Funding amount requested:

\$1,000,000

13. Additional Funding Secured for this Project:

No match/leveraged funds or programs

CERTIFICATIONS FORM

I have read the Eligibility Criteria and Program Guidelines and I agree to **ALL** the following terms and conditions by signing below:

- **I have not purchased, made any payments toward, or began any work, nor will I, until I have an executed contract from the District.**
- I understand that submission of this application does not guarantee incentive funding for the project.
- I am the property owner, have documented authority from the property owner, or have a demonstrated plan to obtain the authority from the property owner to construct and maintain the Urban Greening project as described in the project application.
- I agree to complete the project implementation phase within three years of the contract execution date and maintain the project for a minimum of 10 years.
- I will make the project site available for inspection if requested by SJVAPCD and/or CARB staff during the ten (10) year contract period.
- I will provide photo documentation upon completion of the project.
- I will provide annual or bi-annual status updates in the form of a photo update and/or a tree condition report to ensure project maintenance is occurring throughout the contract period.
- I understand it is my responsibility to contact the local County Agricultural Commissioner's Office before obtaining any plant material originating from outside respective county to ensure all the

requirements for movement of plant material into respective county are met.

- I understand, where feasible, projects shall provide public access.
- I will select plant species that maximize GHG reductions and minimize ROG (BVOC) and allergenic pollen.
- Project plan incorporates recommendations in the anti-displacement resources provided. • All property taxes are current at the time of application.
- I understand that I am responsible for obtaining any permits required.
- Our organization, along with any project partners have the financial capacity to complete, operate, and maintain the project.
- I understand that any funds required from other sources must reasonably be expected to be available in the time frame needed to carry out the project.
- I understand that the final funding amount reimbursed may be less than the maximum incentive amount if the final invoice amount for the eligible costs of the project is less than the maximum incentive amount.
- I understand that the selection of a third party contractor to perform any or all of the project is completely my choice and the District does not endorse, or is not in partnership with any such contractors and shall not be responsible for any disputes arising from the work performed between the applicant and the contractor. The District will not be held liable for any disputes, circumstances or events that occur between the applicant and contractor. Contractors are independent contractors; they are not officers, representatives, agents, servants, employees, partners, associates, or joint ventures of the District.
- Projects funded by District will not be used as marketable emission reduction credits, to offset any emission reduction obligation, or for credit under any federal or state emission averaging, banking and trading program. In addition, projects funded through this program may not be used to generate a compliance extension or extra credit for determining regulatory compliance.
- Any current financial incentive that directly reduces the project cost, including tax credits or deductions, grants, or other public financial assistance for the same project, must be disclosed to the District.

I hereby certify that all information provided in this application and any attachments are true and correct to the best of my knowledge.

Signing Authority's Signature: Date: 11/17/22

Nicolas Tamayo

Print Name: Nicolas Tamayo Title Urban Forestry Manager

APPLICATION PACKET CHECKLIST

All proposals must be submitted according to specifications set forth in the RFP. Failure to adhere to these specifications may cause for rejection of proposal. Once submitted, proposals cannot be altered without the prior written consent of the District. A complete application packet includes the following items:

- Completed **Application**, no fields left blank.
- Completed **Certifications Form** section, signed by **Applicant**.
- First page of IRS **Form W-9**.
- Copies of the applicant's results from the "GHG Summary" tab and "Co-benefit Summary" tab from the **California Natural Resources Agency (CNRA) Draft Urban Greening Benefits Calculator Tool**
- Dated and itemized **Quote(s)** for the project costs.
- Aerial map of the project from an online resource
- Photographs of the project site and a representation of the project plan area (i.e. site plan).

All proposals are due no later than 5:00 PM, September 2, 2022. Late proposals will not be accepted under any circumstances.

Please submit your completed application packet via one of the following methods below to avoid duplicate submittals:

Email: grants@valleyair.org

(Subject line must indicate Stockton Urban Greening Incentive Program and applicant's name) **-or**

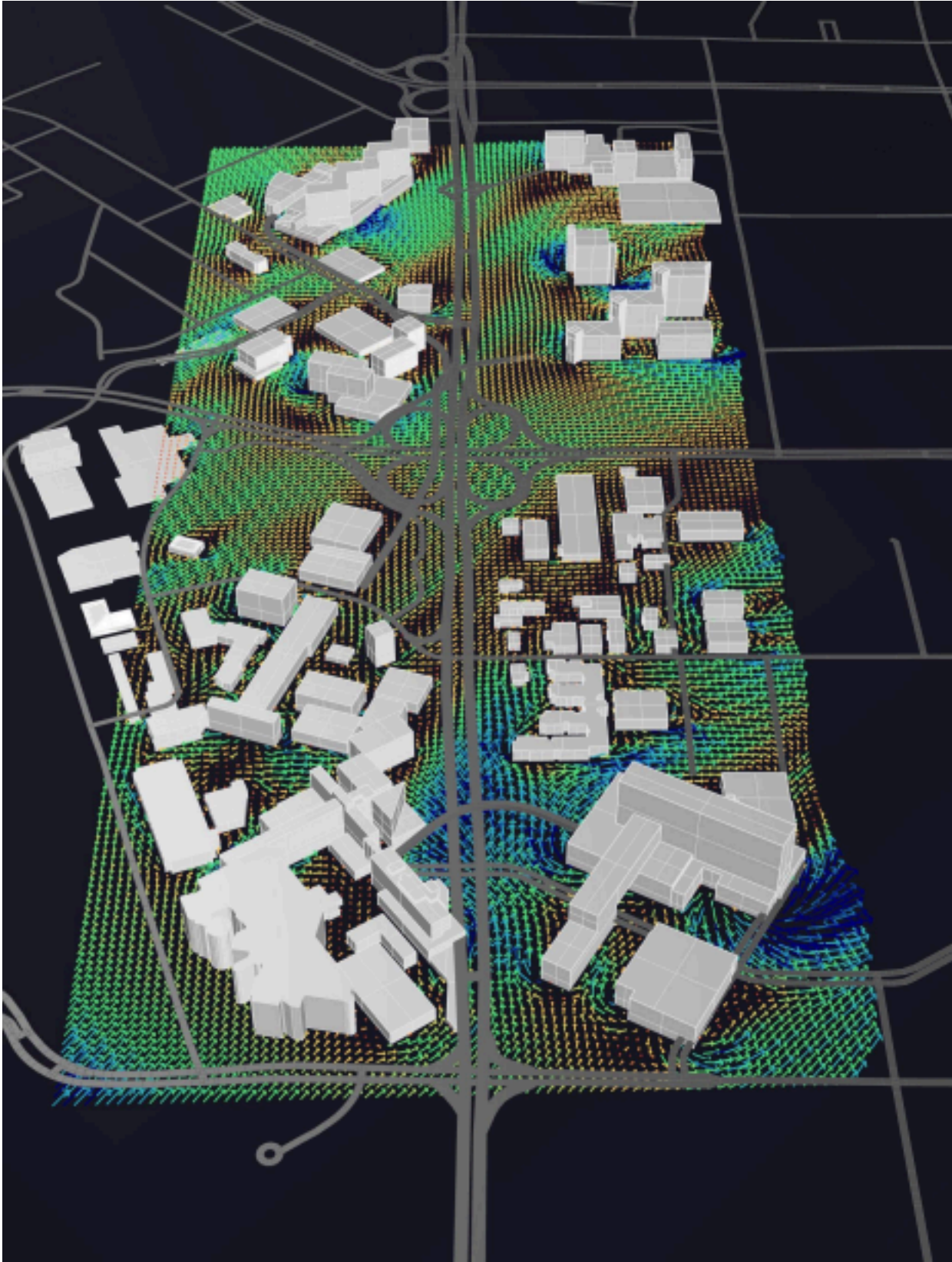
Mail: SJVAPCD

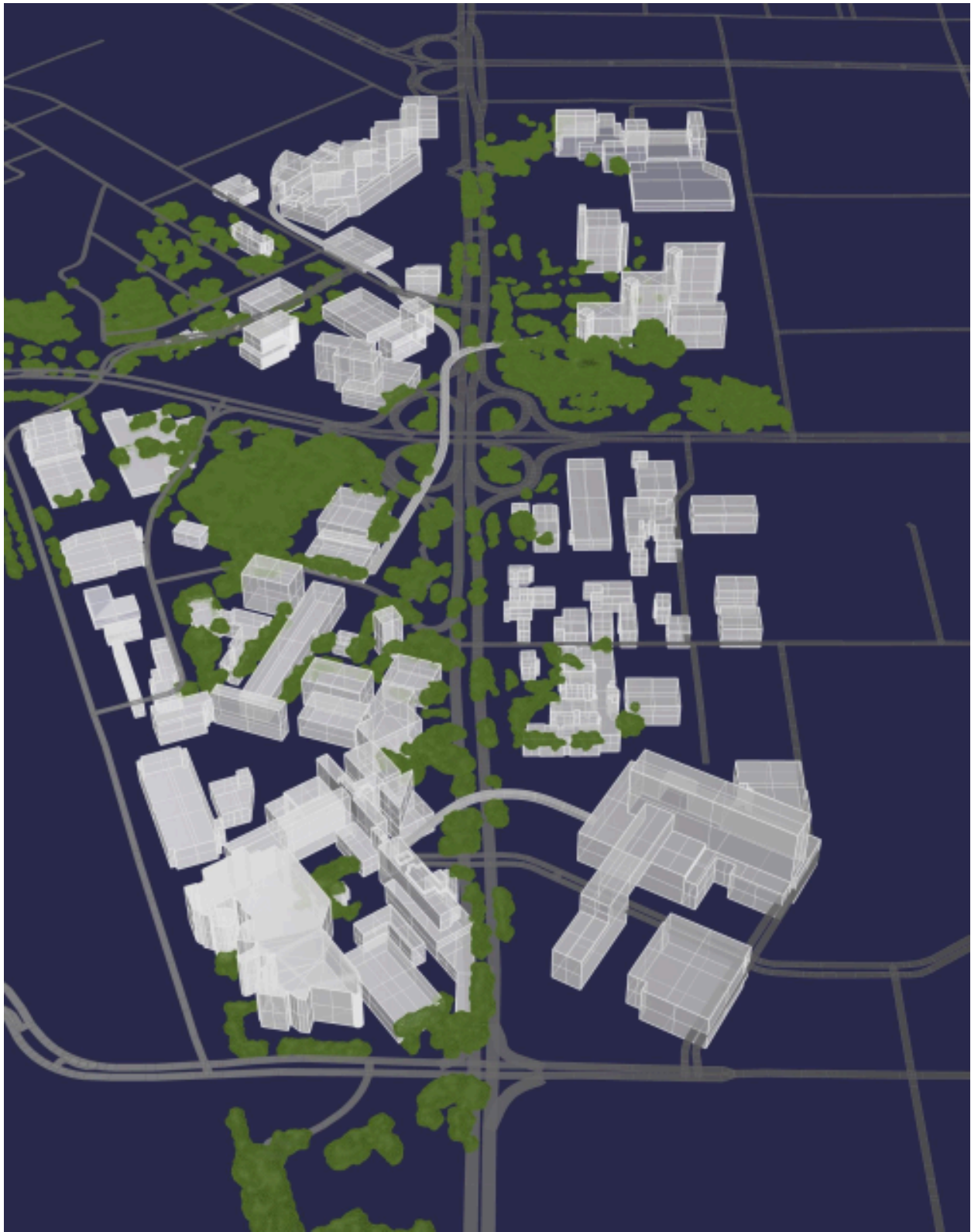
Attn: Grants and Incentives
1990 East Gettysburg Avenue
Fresno, CA 93726-0244

Don't forget to retain a full copy of the completed application for your own records. For additional assistance, please contact staff in the Grants Department at (559) 230-5800

Appendix

Pollution and Air Modelling examples at the neighborhood scale.



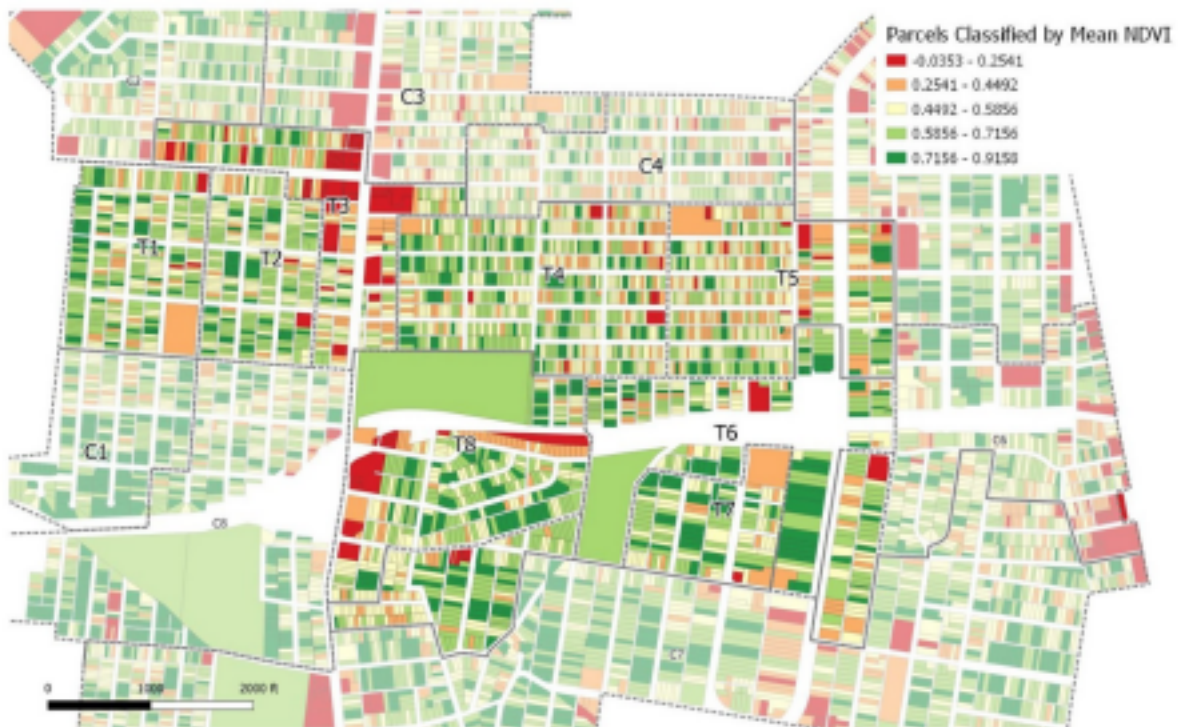
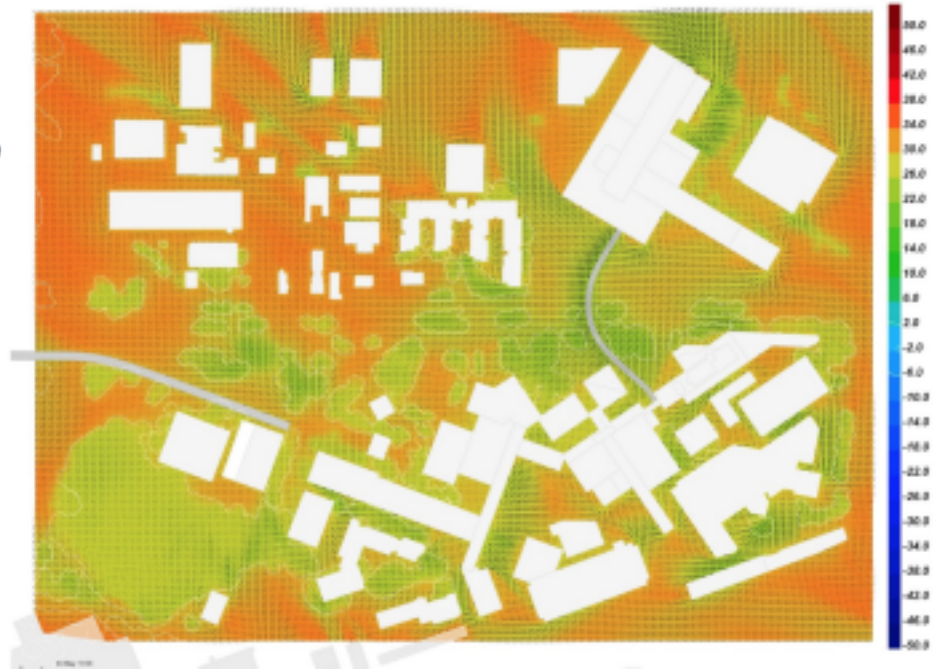


Thermal comfort is a measure of human experience of microclimate.

Universal Thermal Climate Index is an internationally recognized metric that incorporates:

- Air temperature
- Surface temperature of immediate surroundings ("Mean Radiant Temperature")
- Direct sky exposure
- Relative humidity
- Wind velocity
- Typical clothing adaptation

Bialejczyk, Kozłowski, et al. "An introduction to the universal thermal climate index (UTCI)." *Geographia Polonica* 86.1 (2013): 5-13.



Parcel-level Recruitment Metrics