

## 2. Renewing Our Communities

### COMMUNITIES – FROM LOCAL TO GLOBAL

Transportation is a fundamental element of building communities. It shapes the physical outlines and intersections of the place. It is a factor in how large your local community is. It is the means of building bridges, figuratively and literally, to connect you to other communities. It is a deciding factor in what communities you can visit, near and far.



Throughout history, transportation inventions and transport innovations have certainly shaped communities and effected daily life. For instance, the wheel. Transport by horse or donkey, camel or llama, water buffalo or elephant has shaped communities. As have the canoe, dugout, and raft. The steamboat, airplane, and the cargo ship. The train, cable car, trolley, subway. The bicycle. And, of course, the automobile, truck, bus, and scooter.

### WHY RENEW?

#### Global Climate Change/Crisis



Transportation has always affected communities. Today, the global impact of transportation is undeniable. After a century or so of building communities and economies around gas-powered automobiles and cargo trucks, ships, trains, and airplanes, we see a global climate crisis induced by greenhouse gases. The transportation sector generated 29% of U.S. GHG emissions in 2019, and 4% of 2010 global greenhouse gas emissions (80% of total U.S. emissions were from carbon dioxide (CO<sub>2</sub>)) (U.S. EPA, 2021).

The global climate crisis requires that we make swift and fundamental changes to **renew our transportation system**. Even if prudence and preservation did not warrant it, California State laws and federal policies require it.

### REINVENT THE WHEEL

Fossil fuel's leading role in global climate change is a solid reason to renew today's transportation system, but it's not the only reason. As it turns out, car-centric communities burden residents with impacts most of them don't want, such as high land costs, high costs for housing and transportation, high vehicle speeds, high crash rates, and a presumption and preponderance of car commuting.

## Land Consequences

Car-centric communities throughout the U.S., including in Humboldt County, have also ended up disrupting and sometimes destroying opportunities for more nimble transportation choices like walking, bicycling, and comprehensive public transit. So much land is taken up for roadways and highways to accommodate cars, high travel speeds, and parking, that distances from one place to another stretch too far to walk, bike, or provide frequent bus service.

The last century's transportation-land use patterns are not merely travel inconveniences for residents. The costs of this transportation system hit city and county budgets hard. For one, land dedicated to roads, highways, and parking spaces do not generate enough, if any, revenues to pay for perpetually maintaining them. What's more, land dedicated to roadways and parking is land lost to uses that *do* generate revenue—businesses, farmland, housing, art studios, offices—or uses that build other community assets, such as parks, schools, hospitals, open space, greenspace, and coastal bluffs.

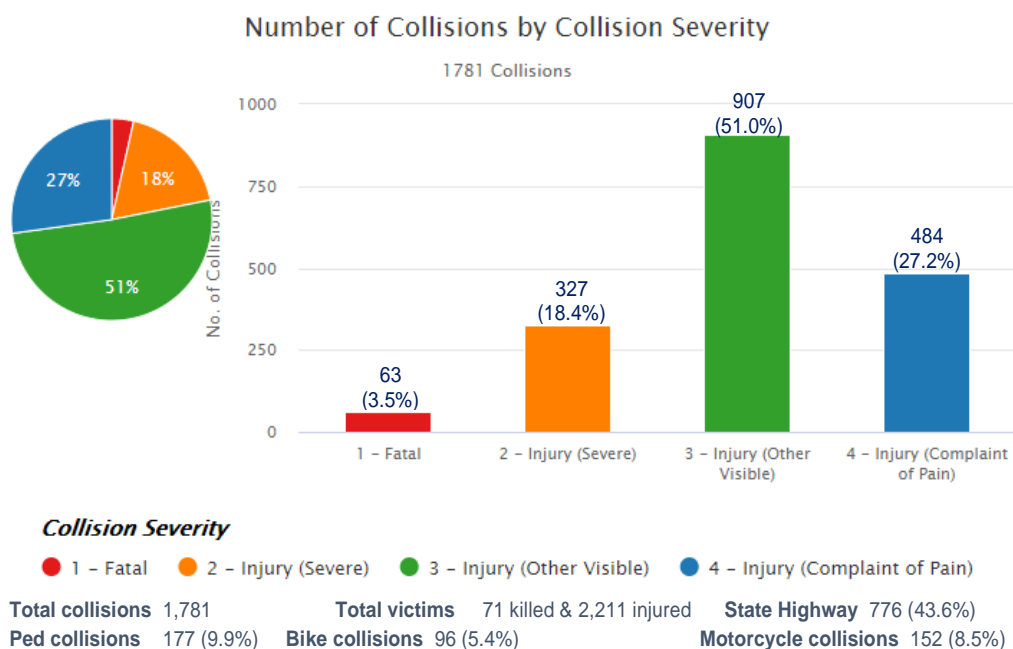
Road traffic crashes are a leading cause of death in the United States for people aged 1–54, and they are the leading cause of nonnatural death for U.S. citizens residing or traveling abroad.

— CDC, 2021

## Health Consequences

Another cost that residents and local governments pay, individually and collectively, is diminished public health. The current transportation system does not encourage people to use active transportation modes, which could help combat rates of obesity, high blood pressure, and other illnesses. (Over 30% of adults in Humboldt County are obese, according to the *2018 County Community Health Assessment*.)

Also, even when driving the posted speed limit (with or without the common practice of driving 5+mph over the limit), drivers can, and do, cause lethal collisions. Just since the HCAOG Board last adopted VROOM, in December 2017, 71 people were killed and 2,211 were injured in car collisions (reported) in Humboldt County.



Source: tims.berkeley.edu (SafeTREC)

Figure Renew-2. **Collisions in Humboldt County (All) 12/14/2017 – 12/31/2020**



Peripheral vision at 15 mph



Peripheral vision at 30 mph

Figure *Renew*-3. **What you see at 15mph versus 30mph**

## Effects on Comfort & Aesthetics & Play

Streetscapes designed at a pedestrian scale can feel more comfortable and inviting because they are built to human-scale proportions, speeds, and distances. You don't need to go to Disneyland or Venice (Italy) to know the different feel of famous pedestrian-friendly streets. You could have experienced it when you walked around the Farmers Markets, or around Eureka Friday Night Markets, or one or another of Humboldt's summer street fairs. Although these examples are bustling because, in part, they don't happen every day, one should not discount the impact that pedestrian-friendly design has on attracting people to places and making them feel more safe.

Slowing vehicle speeds is another factor proven to increase the safety and useability of streets. The higher the vehicle speed, the more space is required to maintain some safety parameters for drivers and passengers. Even relatively moderate car speeds of 30-35 mph make many non-driving uses unacceptable on or near the roadway. Slow speeds, and less cars even more so, can create inviting streets where children can play, people can walk their dogs and push baby

strollers, seniors can stroll or sit on a bench, art can be displayed and contemplated, and more.

And it's not only about comfort, safety, peaches, hot dogs, frybread, and samba parades:

Pedestrian-friendly streetscape design is associated with increased social interaction and civic trust. A cross-sectional analysis conducted in Portland, Oregon, found front porches and sidewalks were positively associated with interaction, trust, and reciprocity among neighbors (Center for Active Design, 2018).

People-oriented street design is correlated with livable public spaces.

(Refer to VROOM's Land Use-Transportation Element, and Global Climate Crisis Element for further discussion of these issues.)

## RENEW WHAT?

*Does the tail wag the dog?* It might blithely be said that, over the past few generations, automobile transportation has propelled communities instead of the other way around. Unfortunately, this transportation paradigm seems to have driven communities down a dead-end road to unintended consequences and unsustainable outcomes, as described above.

To exhaust the metaphor, HCAOG wants to put community members in the proverbial driver's seat, in the bicycle saddle, at the helm, in the cockpit, and leading the walking school bus. We want to work to achieve the *intended outcomes* people want for Humboldt communities and by building a transportation system that can foster desired outcomes. HCAOG sought community input throughout the county in order to map people's concerns about transportation in their everyday lives, as well as their aspirational vision for the future. The feedback we heard is steering the 20-year

"Studies have found that people will typically not perceive a sidewalk on a high-speed, multi-lane road as walkable. On the other hand, a comfortable, tree-lined sidewalk along a bustling main street can entice pedestrian use."

— Center for Active Design, 2018

Regional Transportation Plan. HCAOG will pursue ongoing community dialogue, alliances, and collaborative relationships year-round and even after the VROOM update is adopted.

## COUNTY PROFILE

### DEMOGRAPHIC BACKGROUND

Humboldt County is a geographically diverse region located in northwestern California. The County encompasses 3,500 square miles of forested mountains, river valleys, coastal terraces, agricultural lands and coastline. The Pacific Ocean forms the western border of Humboldt County and Del Norte County borders the north. The eastern border meets mountainous Trinity and Siskiyou Counties, and Mendocino County's coastal mountains and valleys border the south. See the Maps Tab (at the end of document) for a map of the vicinity (Figure 2.1)

What is now known as Humboldt County is the ancestral land of several indigenous peoples. There are eight Native American Reservations and Rancherias in Humboldt County: Bear River Band of Rohnerville Rancheria, Big Lagoon Rancheria, Blue Lake Rancheria, Hoopa Valley Tribe, Karuk Tribe, Trinidad Rancheria, Wiyot Tribe, and the Yurok Tribe.

In addition to several unincorporated communities, Humboldt County is home to seven incorporated cities: Eureka, Arcata, Fortuna, Blue Lake, Rio Dell, Ferndale, and Trinidad. City populations range in size from Trinidad (171 residents per latest Census ACS estimate; 365 projected for 2021) to Eureka's nearly 27,000 residents. No community within the County has a population large enough to meet the urbanized metropolitan criteria as defined by the U.S. Census Bureau. The nearest designated metropolitan area is located more than 150 miles away.

Humboldt County's total population (135,940) is 0.35% (0.0035) of the statewide population. The following population characteristics, from the US Census data, give snapshots of other aspects of Humboldt County's rural makeup and factors that influences transportation needs. For instance, we can assume that as they age, people will want to be able to rely on transportation modes besides driving a private car. In Humboldt County, this may mean a steep increase in demand for public transit and a connected network of safe walking and bicycling routes.

Table *Renew*-1. **Race and Ethnicity in Humboldt County**

Location	Hispanic %	White %	Black %	American Indian %	Asian %	Pacific Islander %	Other %	Two or more %
Statewide	39	59.7	5.8	0.8	14.5	0.4	14.0	4.9
Humboldt Co. (All)	11.6	79.9	1.1	5.0	3.1	0.4	4.2	6.4
<b>Incorporated Areas</b>								
City of Arcata	16.8	75	2.6	2.2	4.1	1.2	7.3	7.7
City of Blue Lake	5.7	76.3	0.0	6.4	1.6	0	4.5	11.2
City of Eureka	13.8	75.3	2.0	2.2	6.6	0.1	6.0	7.7
City of Ferndale	6.2	93.2	0	0.9	1.1	0.0	2.6	2.2
City of Fortuna	21.4	81.2	0.6	2.9	0.6	0.5	7.3	6.9
City of Rio Dell	9.2	85.5	0.1	3.1	2.4	0.0	1.2	7.6
City of Trinidad	5.2	78.4	0.0	8.6	2.5	0.0	1.9	8.6

Source: US Census Bureau, 2015-2019 American Community Survey, 5-Year Estimates

Table *Renew-2*. Factors that Affect Mobility, Humboldt County

Location	Total Population	% Age 65 and Over	% Age 15 and Under	% No Vehicle	% Persons with Disability	% Poverty Rate	% Unemployment	Median Income
Statewide	39,283,497	14.0	18.7	3.1	10.4	16.3	3.8	\$75,235
Humboldt County (All)	135,940	17.3	16.2	7.4	16.5	20.1	4.7	\$48,041
<b>Incorporated Areas</b>								
City of Arcata	18,178	11.3	9.3	10	10.4	38	7.5	\$35,506
City of Blue Lake	902	24.1	11.3	5.6	20.7	16.1	3.0	\$53,929
City of Eureka	26,966	17.6	17.5	12.1	17.8	20.0	4.4	\$42,890
City of Ferndale	1,377	29.0	21.9	3.7	21.0	13.5	3.3	\$50,897
City of Fortuna	12,210	19.0	21.6	6.2	20.4	16.9	4.3	\$46,193
City of Rio Dell	3,373	12.8	27.9	7.2	20.2	7.6	8.8	\$41,071
City of Trinidad	171	26.9	9.6	2.8	20.1	17.0	3.4	\$71,667

Source: US Census Bureau, 2015-2019 American Community Survey, 5-Year Estimates

## WHAT DO HUMBOLDT FOLKS TELL US?

HCAOG staff and our public outreach partners<sup>1</sup> have had the pleasure of visiting communities around Humboldt to speak with residents who have things to say about transportation in our region.

For the purposes of the 2021 update of *VROOM*, we attended events and meetings from June to September (virtual, and in person applying COVID-19 health precautions). We did “pop-up” tabling in person (adhering to COVID-19 safety protocols) at these events or locales:

- Arcata Farmers Market
- Bayshore Mall (Eureka)
- Blue Lake Annie & Mary Days
- Fortuna Farmers Market
- Garberville Farmers Market
- Hoopa Downtown
- Larson Park Adopt-a-Park Community Celebration (Arcata)
- McKinleyville Farmers Market
- Willow Creek Community Health Center

We also attended other organizations’ scheduled meetings (virtual), and hosted our own virtual Community Dialogue & Workshop (September 13), which had approximately 25 to 30 participants. (See Appendix X for all Public Outreach & Engagement Program information.)

In addition, we heard comments from people who took our online (and paper) survey, and who commented on the RTP update drafts.

**Humboldt County Regional Transportation Plan Update**

**Is Transportation Working?**  
Join us for an online  
**Community Dialogue & Workshop**  
**Monday, Sept. 13<sup>th</sup> 6:00 to 8:00 PM**

Humboldt County Association of Governments (HCAOG), our Regional Transportation Planning Agency, is seeking public feedback to keep Humboldt County's transportation networks safe, convenient, connected and equitable. Be a part of shaping transportation programs and strategies that support mobility, environmental health, social equity, and improve quality-of-life standards for all residents.

Join the meeting by computer at: <https://us06web.zoom.us/j/84928415662>  
or by calling 1-253-215-8782 and use Meeting ID: 849 2841 5662







English  
[http://bit.ly/RTP2021\\_Survey](http://bit.ly/RTP2021_Survey)

**Can't Make the Meeting?  
Take a Survey!**

For more information:  
Visit the project website at:  
<http://bit.ly/HumboldtRTP2021>



Spanish  
<http://bit.ly/RTPEncuesta>

<sup>1</sup> Consultants with Redwood Community Action Agency–Natural Resources Division and Planwest Partners.



## They Say...

Most of the folks we heard from have the same messages when it comes to Humboldt's transportation system. Two common concerns are **safety** and **climate change**. These two concerns are the basis what they find lacking in the current transportation system, and also the basis for what they want it to provide. Consistently, in all the communities we've heard from, their top asks are for safer streets, more bus service, better driver behavior, more walkable neighborhoods, and more bikeways.

### On "What's working and what is not?"

From our respondents and participants, there seems to be fair to considerable consensus on the following circumstances, needs, and aspirations. In their own words, they say<sup>2</sup>:

- ✕ "More public transit please!"
- ✕ "Too many roads where cars can drive too fast even when they are not supposed to. There is not enough bike and pedestrian safe options."
- ✕ "I love all the trails. Can't wait for the Humboldt Bay Trail!"
- ✕ "Better bike lanes and sidewalks would be nice. Walking paths through cities would b nice as well."
- ✕ "The sidewalk improvements are great. Drivers seem as dangerous and aggressive as ever, making it scary to share the road with cars even when Im' driving."
- ✕ "We have a good freeway system dedicated to motor vehicles but pedestrians and other modes of transportation have suffered..."
- ✕ "In such a rural area we have no backups for transportation, you either have a ride with a neighbor or not."
- ✕ "Driving is working. Would like more hours of public transportation."
- ✕ "Bus routes are not accessible to everyone's schedule and isn't convenient especially to areas beyond Eureka/Arcata. Roads in outlying communities are bad and not well maintained."
- ✕ "Single vehicle use works for us, because we live very far away from any stores, transit stops, hospitals, etc. Buses and bicycles aren't very useful to us due to our location."
- ✕ "What is not working is the lack of transportation for disabled and elderly."
- ✕ "Traffic is not very bad. Beautification and safety is lacking."

### Where do you live?



Answers to a poll question at the Community Dialogue & Workshop

### On "Your top three transportation topics?" (Community Workshop Take-Aways)

At the Community Dialogue & Workshop, we polled participants so they could choose what topics they wanted to discuss the most. The seven options we presented were:

1. *Getting to where you need to go* (Accessibility) (e.g., multi-modal travel, proximity of daily/major destinations, traffic congestion)
2. *Climate Change Crisis* (e.g., carbon-neutral transportation system, resilient transportation systems in the face of extreme weather and sea level rise)
3. *Regional Land Use* (e.g., infrastructure, land uses, jobs-housing ratio)
4. *Economy* (e.g., supporting/augmenting local and regional economies; creating jobs)

<sup>2</sup> Direct quotes from survey responses or comments at pop-up events or the community workshop (June-September, 2021).

5. *Investments & Financial Viability* (making systems affordable to operate and maintain; stable funding revenues and sources; prioritizing investments; funding formulas)
6. *Vibrant Neighborhoods & Places* (e.g., quality public spaces for all ages, social/societal assets, diversity and inclusive)
7. *Safety and Public Health* (reduce traffic-related deaths and injuries, less sedentary travel, more active travel, real and perceived safety threats/risks, how drivers behave behind the wheel)

The group's top three choices for topics to discuss were:

- #1 Safety and Public Health
- #2 Getting where you need to go
- #3 Climate Change

Four breakout groups discussed two to three of the topics. The key take-aways from all things people discussed are:

- ✖ Improving transportation safety within and between communities is a top priority of our community.
- ✖ People *really* want to be able to get around without a car but feel like they don't have a lot of good mobility options because of connectivity gaps and stressful high-speed areas.
- ✖ Our community is ready to de-prioritize cars. Transportation infrastructure design should work well for non-motorized modes, and should slow down drivers. Have the right design for the right occasion/location.
- ✖ People want more areas that are highly walkable and car-free.
- ✖ Build on the existing bus service and increase it, including new mobility-on-demand and micro-transit options. Aspire to a transit system that is universally convenient, affordable, and attractive for all classes of people.
- ✖ Our community sees the many benefits of active transportation.
- ✖ People love the new trails and want more trails, especially to enlarge the bicycle network.
- ✖ HCAOG should take a lead role in educating and doing outreach for transportation-related safety. HCAOG should actively promote and market using public transportation, especially for those "choice" riders who could use buses but choose not to.
- ✖ It is shocking to learn how much transportation infrastructure costs.

### On "How would you prioritize countywide transportation funding?" (Survey Responses)

In the survey we asked people how they would prioritize funding for transportation. The preliminary results are shown in the following figure (the survey remains open until October 31, 2021).

"I don't think about this (transportation) stuff, really, so I don't think I have anything intelligent to say. But I am mostly concerned about climate change."

— Blue Lake resident,  
Annie & Mary Day 2021

Q2 How do you think countywide transportation funding should be prioritized? (Rank from 1 to 6 with 1 being highest funding priority and 6 being lowest funding priority)

Answered: 167 Skipped: 3

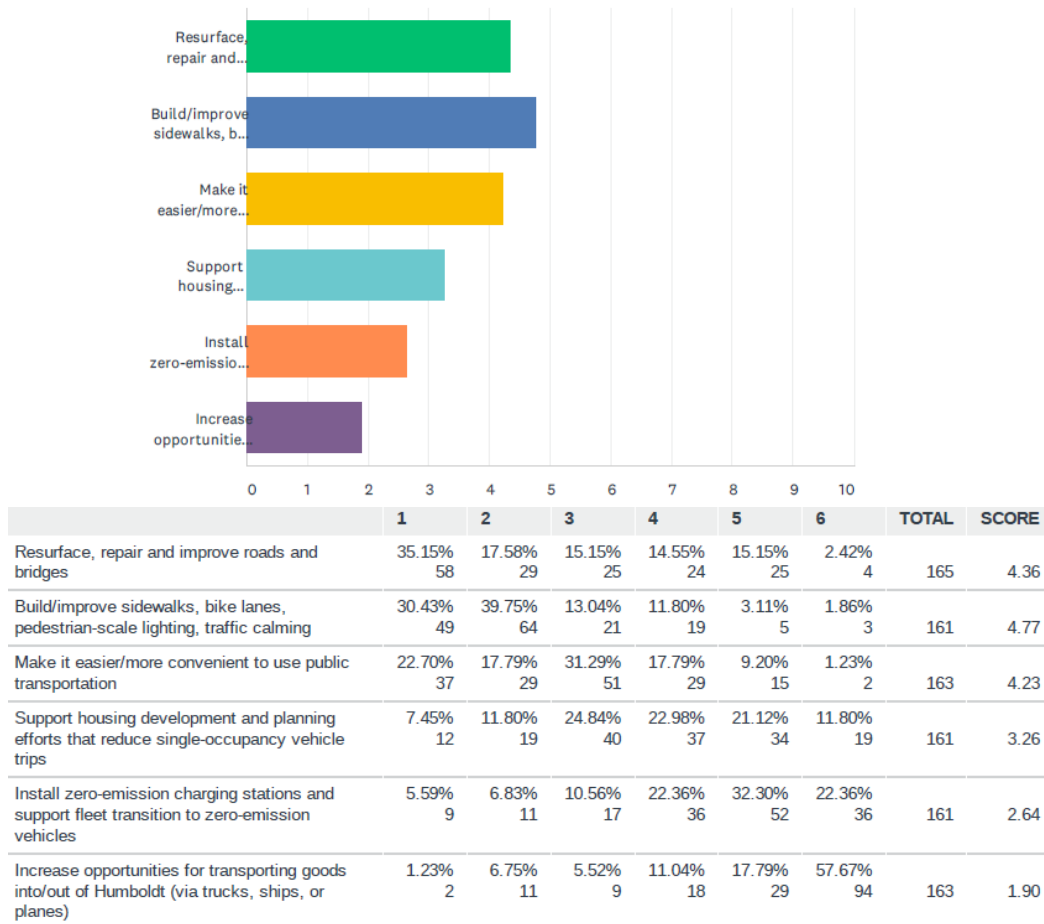


Figure Renew-4 Preliminary Survey Results for Countywide Transportation Funding Priorities

Some of the initial input, from a few community pop-events, includes:

- ✂ My parents live on Myrtle and there is no public transportation for seniors. I can't always drive them when they need a ride. Even one bus or shuttle a week would help a lot. (Eureka resident)
- ✂ Can you solve for crappy, dangerous drivers? (Briceland Road resident)
- ✂ The public transportation is really good! (Miranda resident)
- ✂ For rural people of age, active transportation is not an option. I need to park close to shops, so I don't shop in Arcata. (Garberville resident)
- ✂ All the (transportation funding) buckets are vital areas to fund. ...But we have to put money to climate change adaptations because that underpins all the others. (Garberville resident)



## TRANSPORTATION EQUITY

On February 20, 2020, Ahmaud Arbery, was pursued and fatally shot while jogging. On March 13, Breonna Taylor, on May 25, George Floyd, and on June 12, Rayshard Brooks died at the hands of police. The killings of these African-Americans, and many others, caught attention worldwide and catalyzed a national movement. People took to the streets here in Humboldt County, across the USA, and across the world to protest the violence and killings against black people. People demanded that, as a country, we acknowledge the entrenched, often-violent injustices, and start to dismantle the racist power structure of the United States.

Almost immediately, and for months, national, state, and local transportation agencies and organizations made statements against police brutality, and for anti-racism, social justice, and Black Lives Matter.

Guidelines to  
enhance community  
connections:  
**#1. Put pedestrian  
needs first.**  
— Center for Active  
Design, 2018

The responses have made clear and explicit that police brutality, structural racialization, and white supremacy are transportation issues. To borrow from the American Planning Association's statement,

*The impact of Mr. Floyd's death and other recent grave injustices like it must be viewed in light of the historical trauma inflicted on African American communities, including discrimination wrought by the planning profession itself, which led to structural disadvantages in transportation, housing, education and employment that last to this day. (APA 2020)*

## RACE-BASED DISCRIMINATION IN U.S. TRANSPORTATION HISTORY

For generations, public bodies in this country have been complicit, wittingly or not, in oppression based on race. Through explicit legislation and/or normalized practices, local, State and federal governmental agencies have condoned, sanctioned, or enforced, sometimes violently, practices to actively suppress opportunities for Black, indigenous, and people of color (BIPOC) communities. Sometimes intentionally, sometimes naively or ignorantly, decisions our government bodies have made about land use and transportation have fed a system that is fundamentally unequal for minority groups.

If we ignore historical and current-day racism and pretend that the spaces we create are neutral, we abdicate our responsibility to provide safe mobility for everyone and we become complicit in perpetuating the racist underpinnings of our systems and structures.

— NACTO, 2020

Due to these inequities, the outcome is a pattern, historically evidenced, that privileges white families with better health, better education, more financial assets, easy access to credit, more employment, more choices in housing, safer streets, and more freedom to move and be in public spaces.

Historic racist policies in transportation and land use in the U.S. include segregated passenger trains; segregated public buses; redlining black and brown neighborhoods to deny federally-backed mortgages, infrastructure, and investment; bulldozing thriving black neighborhoods and "slums" to build interstate highways; and relegating minorities to reside near freight hubs and oil refineries that release pollutants into the air and waterways. The rise of the automobile in the U.S. in the first half of the twentieth century is directly linked to the creation of modern police forces in U.S. cities, and policing drivers has perpetuated historical discriminatory enforcement on people of color (Seo,

2019). More modern policies are the criminalization of fare evasion (of people using public transit, but not of people who evade tolls or parking fees in their private automobiles), racial profiling in police traffic stops, and habitually funding transportation projects in wealthier, whiter neighborhoods and cities.

Recent examples, in 2020, during the COVID-19 pandemic and Black Lives Matter protests illustrate transportation policy that may be benign for privileged white classes, but precarious for BIPOC. Such as

when we open streets to people but rely on police presence to enforce those spaces, we actively harm many of the people we are trying to support, opening up Black Americans in particular to another venue where they can be stopped by the police, and all too often, arrested, injured, or killed. When we shut transit systems in response to protests, we deny countless people, largely of color or lower incomes, a means of mobility and their right to voice their concerns and seek redress from their government (NACTO 2020).

## STATEMENT OF COMMITMENT TO FIGHTING RACIAL INJUSTICE AND INEQUITY

The National Academy of Sciences, Engineering, and Math reemphasizes the responsibility of transportation agencies in addressing equity:

Transportation agencies that manage federally funded programs and projects are responsible for ensuring that their plans, programs, policies, services, and investments benefit everyone in their jurisdictions equitably. Historically, certain individuals and communities, including those from minority, low-income, and limited English proficiency (LEP) populations, have not benefited equitably from transportation investments and programs. Understanding the impacts of transportation investments on these individuals and communities and taking steps to address inequities are critical functions of transportation agencies (National Academies of Sciences, 2020).

As an important first step towards systemic change, HCAOG commits to taking actions necessary to become an anti-racist organization, and to doing the hard and perpetual work of developing an organizational culture and values that makes our commitment clear to all stakeholders.

*HCAOG strongly condemns systemic racism and discrimination in all forms, including those historically entrenched in transportation. HCAOG's fundamental goal is to enhance safe and convenient travel for people throughout Humboldt County—particularly people of color and disadvantaged communities—by connecting individuals to jobs, healthcare, education, recreation, social events, and other opportunities.*

*To that end, HCAOG firmly embraces racial equity, inclusion, and diversity. These values are foundational to achieving our vision of a cleaner, safer, more accessible and more connected future. We will be part of the solution. We will promote policies and programs that reflect principles of diversity, equity and inclusion, and will work with stakeholders to identify areas of improvement.<sup>3</sup>*

## RENEW HOW?

### PLAN GOAL & OBJECTIVES

Overall Goal: HCAOG's goal is for Humboldt County to have a carbon-neutral, multi-modal transportation system that is comprehensive, safe, sustainable, and equitable so that people in the region can travel and move goods by the modes that best suit the individual or business/industry, and society at large.

<sup>3</sup> The language of HCAOG's statement is based on California State Transportation Agency's (CalSTA's) Statement on Racial Equity, Justice and Inclusion in Transportation, issued June 12, 2020.

Overall Objective: Program all transportation funds based on multi-modal transportation goals and objectives, and needs and priorities as established in the Regional Transportation Plan. HCAOG will pursue six main objectives/planning priorities. The objectives support one another and will apply to each transportation mode, framing each mode's policies. In alphabetical order, the objectives are:

- ❖ **Active Transportation Mode Share/Complete Streets** – Increase multi-modal mobility, balanced mode shares, and/or access. Mobility means having travel choices (for people and goods) with predictable trip times. A balanced mode share means all transportation modes are available in proportion to their efficiency and short-term and long-term costs and benefits. Increased access means more options for people to reach the goods, services, and activities they need.
- ❖ **Economic Vitality** – Support the local or regional economy by improving goods movement and transportation access, efficiency, and cost-effectiveness; by enhancing economic attractors (e.g. via walkable streets, multiuse trails, transit service, freight access, shared mobility services); and by indirectly cutting health care costs due to more active transportation or less transportation-related pollution, and by reducing consumption of foreign oil.
- ❖ **Efficient & Viable Transportation System** – Make the transportation system operate more efficiently, such as by increasing multimodal connectivity, increasing opportunities for short trips made via walking or biking, reducing traffic congestion, and using Intelligent Transportation System (ITS) management (e.g. Greater Eureka Area Travel Demand Model, Street Saver, GPS tracking on transit buses, other management programs). Make the system more financially and operationally viable such as by prioritizing cost-effective investments, including climate-change and sea-level-rise adaptation and resiliency in planning and design, pursuing stable funding, and preserving transportation assets to maximize resources and future use.
- ❖ **Environmental Stewardship & Climate Protection** – Enhance the performance of the transportation system while protecting and enhancing the natural environment. Strive to achieve goals of California Global Warming Solutions Act of 2006 (AB 32) and Sustainable Communities and Climate Protection Act of 2008 (SB 375), protect and improve air, water, and land quality, help reduce transportation-related fuel and energy use, help reduce single-occupancy-vehicle (SOV) trips and motorized vehicle miles traveled (VMT), etc.
- ❖ **Equitable & Sustainable Use of Resources** – Advocate for costs and benefits (financial, environmental, health, and social) to be shared fairly. Prioritize projects based on cost effectiveness as well as need and equity for underserved populations. Coordinate transportation systems with land use for efficient, sustainable use of resources and minimize the consumption and use of finite resources such as fossil fuels.
- ❖ **Safety and Health** – Increase safety especially for the most vulnerable users (elderly, youth, pedestrians, bicyclists, people with disabilities). Advocate the health benefits of active transportation. Advocate for Vision Zero resolutions to reduce traffic-related fatalities and serious injuries to zero.

Below is the Safe & Sustainable Transportation Targets table. As described in the Introduction of *VROOM 2022-2042*, the HCAOG Board formed an ad-hoc committee, in late 2020, to develop targets to diminish the transportation-related greenhouse gas emissions in Humboldt County. The targets expanded to other measures to benefit the region and meet its goal for a safe, accessible, sustainable transportation system.

**Table Renew-3 Safe & Sustainable Transportation Targets**

PERFORMANCE MEASURE	REGIONAL TARGET	METRIC	AVAILABLE DATA SOURCES (> sources are available now)	DATA SCHEDULE
<b>Reduce GHG emissions in Air District (NCUAQMD)</b>	Reduce on-road transportation-related fossil fuel consumption in Humboldt County.	~ Transportation fuel sales (gasoline/diesel sales in gallons).	> CA Energy Commission, CA Annual Retail Fuel Outlet Report Results (CEC-A15: by county).	Every 4 years
<b>Percent Mode Shift</b>	<ul style="list-style-type: none"> <li>• Increase the percentage of all trips, combined, made by walking, biking, micro-mobility/matched rides, and transit to at least 30% by 2030 and 40% by 2050.</li> </ul>	~ # of miles of protected bikeways and sidewalks, & % of good intersections on arterials and collectors, and spacing/gaps between those intersections.  ~ % of all road miles that are connection nodes at Low Traffic Stress levels 1 or 2.  ~ # of barriers [TBD] to low-stress bike/ped transportation between major residential areas and major destinations (identified by network analysis)	> Potential data source: <a href="http://www.bts.gov/browse-statistical-products-and-data/trips-distance/explore-us-mobility-during-covid-19-pandemic">www.bts.gov/browse-statistical-products-and-data/trips-distance/explore-us-mobility-during-covid-19-pandemic</a> ~ Conduct an LTS Network and Connectivity Analysis  > Bikeable App (on Google Play) > Data from People for Bikes > Local count data	Every 4 years
	<ul style="list-style-type: none"> <li>• Double transit trips by 2025, and again by 2030, and again by 2040.</li> </ul>	~ # of transit boardings  ~ # of transit trips	> Transit operators' ridership data  > U.S. Census	Annually Every 4-5 years
	<ul style="list-style-type: none"> <li>• Complete a Low-Traffic-Stress and connectivity analysis of the bike and ped network in the Greater Humboldt Bay Area by FY 2023/24, and countywide by 2026.</li> </ul>	Yes/No (completed or not)	~ Conduct an LTS Network and Connectivity Analysis	Every 4 years
<b>Reduce Vehicle Miles Travelled (VMT) by Car<sup>1</sup></b>	<ul style="list-style-type: none"> <li>• Reduce VMT per capita by at least 25% by 2030, and 40% by 2050. (VMT includes zero-emission trips)</li> </ul>	~ VMT/population  ~ VMT/ #households  > Ratio between the number of light vehicles registered to residents of Humboldt County vs. the number of households or licensed drivers.	> State DOT data, e.g. <a href="#">California Public Road Data (PRD)</a> , derive statistical information from Caltrans' Highway Performance Monitoring System (HPMS). <sup>i</sup> ~ Apply a correction factor for Humboldt County (TBD).  > Registration data from Department of Motor Vehicles (DMV).	4 years
<b>Zero-Emission Vehicle Infrastructure</b>	(i) ZEV Charging Sites Evaluation Plan: By 2025 evaluate priority of feasible public-charging spaces throughout region. Priority will value equity. Study may be multi-phased, first at community or TAZ/census block level, and second at	(i) ~ Completion of charging-sites evaluation plan.	(i) Presence/absence of completed plan.	(i) Target year

PERFORMANCE MEASURE	REGIONAL TARGET	METRIC	AVAILABLE DATA SOURCES (">" sources are available now)	DATA SCHEDULE
	neighborhood and station location level.			
	(ii) Policies: • 80% of jurisdictions adopt pro-EVCS and electrical upgrade policies and building codes by 2022, and 100% by 2025.	(ii) ~ Number of jurisdictions with building codes that require installing "EV-ready" electrical wiring or EVCS in new development and major remodels. ~ ~ Number of jurisdictions with building codes that require electrical panel upgrades for residential alteration permits, and 200A utility panel ratings for all new residential units. ~ Amount of funding dispensed to subsidize and incentives EVCS.	(ii) > Agencies' adopted policies, building codes. > Agencies' annual budgets.	(ii) Annually
	(iii) EV Charging Infrastructure: • Electric vehicle charging stations serving, by 2025, at least 25% of public, and commercial, industrial, and multi-family residential private parking spaces that accommodate parking for more than 4 hours, and by 2050 serving 50% of such parking spaces. (*Adjustments to be calculated for oversized parking lots/excess parking. Note: target % can be met by reducing total parking spaces and by adding EV-charging spaces.) • Increase number of chargers per population. • 100% of households without off-street parking have access to public fast-chargers within ¼ mile of their home by 2035. • Equity performance measure: EVCS are equitably installed in MF residential areas and higher density/lower income areas.	(iii) ~ Number of AC/DC chargers per household at the transportation analysis zone (TAZ) or census block level. <i>Related metrics as possible:</i> ~ Number of chargers per household without off-street parking ~ Public AC chargers/population (or per registered vehicles) ~ Public DC chargers/population (or per registered vehicles) at (TAZ) or census block level. ~ Coverage of fast chargers located in (1) high density areas and (2) adjacent to corridors with high traffic volumes (e.g., coverage of chargers per acre or linear ½-mile). ~ Counts by jurisdiction: # of electric vehicle charging stations at qualifying work sites and MF residences. *For parking lots with excess capacity, use average utilization of spaces.	(iii) > Building permits > Alternative Fueling Station Locator (by National Renewable Energy Laboratory) – public and private non-residential alternative fueling stations. <a href="https://developer.nrel.gov/docs/transportation/alt-fuel-stations-v1/">https://developer.nrel.gov/docs/transportation/alt-fuel-stations-v1/</a> <a href="https://afdc.energy.gov/stations/#/find/nearest">https://afdc.energy.gov/stations/#/find/nearest</a> > Plugshare.com app. (Count the number of stations) ~ Manual counts; surveys.	(iii) 4 or 5 years

PERFORMANCE MEASURE	REGIONAL TARGET	METRIC	AVAILABLE DATA SOURCES ("≥" sources are available now)	DATA SCHEDULE
	<ul style="list-style-type: none"> <li>For employee parking lots and MF residential parking of spaces* (or more), 25% of spaces have electric vehicle charging stations by 2025, 35% by 2035, and 50% by 2050.</li> <li>In Humboldt County, by 2024 hydrogen fuel is available for public transit and long-haul commercial fleet vehicles, with green hydrogen fuel available as much and as soon as possible.</li> <li>In Humboldt County, by 2030 there is sufficient hydrogen fueling infrastructure and green hydrogen fuel available to enable inter-county travel of medium and heavy-duty fuel-cell EVs.</li> </ul>	~ Coverage of hydrogen fueling infrastructure countywide.		
<b>Percentage of Zero-Emission School Buses &amp; Public Fleet Vehicles</b>	<p>i) • 100% of public buses and school buses are zero-emission by 2030.</p> <p><u>Note: Innovative Clean Transit Regulation.</u><sup>ii</sup></p> <p>&gt; By 2026, 25% of new transit vehicle procurement must be ZEBs;</p> <p>&gt; By 2029 "nearly all," and after 2040 100%, of the new bus procurement must be ZEBs.</p> <p>(ii) Each governmental agency starts converting fleet vehicles to zero-emission by 2022, with interim targets to meet the State's year-2035 goals:</p> <ul style="list-style-type: none"> <li>25% of public fleet passenger cars, SUVs, and forklifts are zero-emission by 2025, and 50% by 2030.</li> <li>30% of public fleet medium-duty</li> </ul>	<p>(i) ~ Survey the fleet inventory of public transit vehicles and school buses.</p> <p>(ii, iii) ~ Survey the fleet inventory of each jurisdiction (local, regional, state, Native American governments).</p>	<p>~ Develop a baseline of vehicle fleets in local area.</p> <p>&gt; Follow reporting from transit agencies to State.</p> <p>&gt; Transit Development Plan</p>	Every 2 to 4 years, and target years.



PERFORMANCE MEASURE	REGIONAL TARGET	METRIC	AVAILABLE DATA SOURCES (">" sources are available now)	DATA SCHEDULE
	<p>and pick-up trucks are zero-emission by 2030.</p> <p>(iii) 100% of public fleet work vehicles are zero emission by 2036 (with government incentives and technology available and subsidized).</p>			
<b>Efficiency &amp; Practicality in Locating New Housing</b>	<p>i) By 2021/22, start identifying top locations to survey/track for their access to essential destinations (i.e. study trip origin-destinations).</p> <p>ii) By 2023 have baseline "connectivity scores" for 40% or more of cities' and county's buildable parcels, including infill development.</p> <p>iii) Starting by 2022, 80% of all new permitted housing units are in places with safe, comfortable, and convenient access to employment, shopping, and recreation by walking, biking, rolling, or transit.</p> <p>iv) Starting by 2022, all new housing contributes to a countywide reduction in per capita VMT from cars.</p> <p>v) By 2023/24, all jurisdictions have adopted GP/zoning incentives for building in "highly connected" areas and for other climate-friendly housing-development.</p>	<p>i) Presence of start-up/initial progress.</p> <p>ii) Percentage of buildable parcels with baseline "connectivity scores." Track outcomes for underserved communities to gauge success in investment equity.</p> <p>iii) Walkscore, Bikescore, and transit score within ¼ or ½ mile radius of new housing. Track outcomes for underserved communities to gauge success in investment equity.</p> <p>iv) Estimated VMT per capita from new housing.</p> <p>v) Number of jurisdictions with adopted General Plan/zoning incentives for GHG-friendly building/development (aligned with Climate Action Plan policies and measures).</p>	<p>i) ~ Survey/report from HCAOG</p> <p>ii) &gt; Travel time API (application programming interface), combined with General Plan Housing Elements.</p> <p>&gt; Apps such as "<a href="#">15-Minute Neighborhood</a>"<sup>iii</sup> (if needed, overlay maps with data from apps that score local roads for non-driver safety (e.g. Walkscore, Bikescore). <i>(Open-source apps and data will only increase from now to 2035.)</i></p> <p>iii) Same as above (ii).</p> <p>iv) ~ Survey local jurisdictions' housing permits: VMT analyses from CEQA assessments, Climate Action Plans, VMT models, and other sources.</p> <p>v) ~ Survey of adopted plans, codes.</p>	Every 2 to 4 years
<b>Convenient Access to Destinations</b>	<p>i) By 2035, 60% of the county's population—equitably distributed regionwide—live in homes/apartments/dorms where they can</p>	<ul style="list-style-type: none"> <li>• Within urbanized clusters, the range of essential destinations that people can get to, in 25 minutes or less, by biking, walking, or transit. Track outcomes for underserved</li> </ul>	<p>&gt; Travel time API (application programming interface)</p>	Every 5-years

PERFORMANCE MEASURE	REGIONAL TARGET	METRIC	AVAILABLE DATA SOURCES (">" sources are available now)	DATA SCHEDULE
	<p>safely, comfortably, and conveniently travel to everyday destinations by walking, biking, rolling, or transit/micro-transit, and 80% do by 2050. "Safe, comfortable and convenient travel" means people are able to travel:</p> <ul style="list-style-type: none"> <li>▪ from home to work within 20 minutes in urbanized areas or within 35 minutes outside urban areas, without riding in a private car;</li> <li>▪ from home to essential non-work destinations (e.g., school, local shopping, transit connections) within 15 minutes in urbanized areas or within 30 minutes outside urban areas, without riding in a private car.</li> </ul>	<p>communities to gage success in investment equity.</p> <ul style="list-style-type: none"> <li>• Availability of transit trips within 150% of driving time. Track outcomes for underserved communities to gage success in investment equity.</li> </ul> <p><i>{ ❖ Note: Meeting these targets may require meeting higher targets under Percent Mode Shift (e.g., public transit trip frequency and coverage).TBD.}</i></p>		
<b>Vision Zero</b>	<p>i) Maintain zero pedestrian fatalities per year, or decrease the number of pedestrian and bicyclist fatalities in the cities and unincorporated county by 50% each year until achieved.</p> <p>ii) Maintain zero bicyclist fatalities per year, or decrease the number of bicyclist fatalities in the cities and unincorporated county by 50% each year until achieved.</p> <p>iii) Decrease by 25% each year the number of people seriously injured in bicycle and pedestrian collisions in the cities and unincorporated county.</p>	<p>i, ii) Number of people walking or bicycling who are killed in collisions. Track outcomes for underserved communities to gage success in investment equity.</p> <p>iii) Number of people walking or bicycling who are seriously injured in collisions. Track outcomes for underserved communities to gage success in investment equity.</p> <p>*Map crash, injury, fatality hotspots—priority safety spots; include intersections/facilities with designs that are hotspot-prone. Careful with noise in data.</p>	<p>&gt; Statewide Integrated Traffic Records System (SWITRS)</p> <p>&gt; Transportation Injury Mapping System (TIMS)</p> <p>&gt; StreetStory</p>	Annually

PERFORMANCE MEASURE	REGIONAL TARGET	METRIC	AVAILABLE DATA SOURCES (">" sources are available now)	DATA SCHEDULE
<b>Active Transportation Education</b>	i) Five percent more of school classrooms get multi-modal education by 2023, and 10% more by 2025.	i) Percentage of classrooms receiving multi-modal transportation safety education. (Later data may indicate number of lessons, hours, or days.)★	~ School surveys (and/or data from grant reporting)	(i) Target years.
	ii) Increase the number of programs that actively promote and incentivize multi-modal travel, targeted to employers with over 20 employees, and government agencies. Expand the reach of such programs each year.	ii) Number of entities engaged.★		(ii) Bi-annual
	iii) Increase active-transportation marketing and education campaigns for the general public. Reach at least two new communities biannually.	iii) Number of communities engaged.★ ★Track outcomes for underserved communities to gauge success in investment equity.		(iii) Bi-annual
<b>Invest in Complete Streets</b>	i) Increase by 10% by 2023, and by 25% by 2028, regional discretionary funding set aside for permanent infrastructure, pop-ups, pilots, or other projects for active transportation.	i) Percentage of regional discretionary funding. Track outcomes for underserved communities to gauge success in investment equity.	> HCAOG funding budget  > Survey of regional and local jurisdictions	Bi-annual
	ii) Secure new funding sources at the regional level and/or the city/county level to benefit active transportation and transit.	ii) Presence/absence of grant awards or new funding mechanisms (e.g. bonds, transportation sales tax, user fees, mitigation funds).		

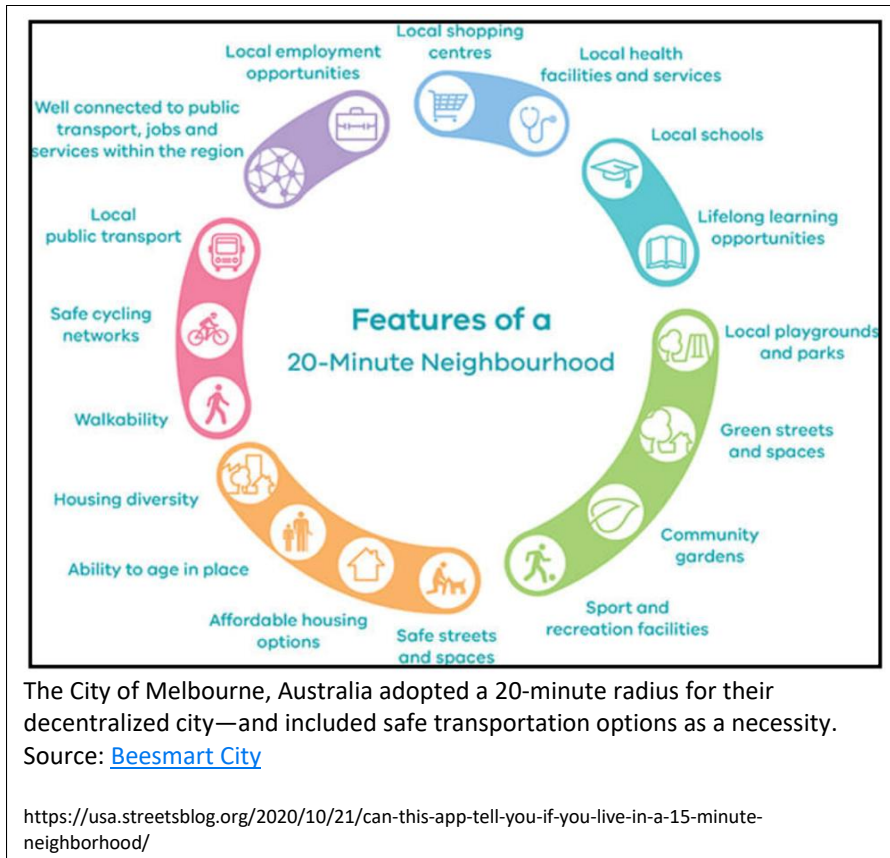
<sup>1</sup>Consistent with RCEA's *Repower Humboldt* goals:

- ★ "Work with other local public entities to reduce vehicle miles traveled in Humboldt County by at least 25% by 2030."
- ★ "By 2030 reduce GHG emissions from transportation by over 65% through reductions in VMT, improved vehicle efficiency, the adoption of electric vehicles, and, where determined to be an effective emissions-reduction strategy, the use of biofuels as a bridge to a full transition to zero-emissions vehicles."
- ★ "Accelerate the adoption of electric vehicles, with a target of over 6,000 electric vehicles on the road in Humboldt County by 2025 and 22,000 vehicles by 2030."
- ★ "Develop public, workplace, and residential EV charging infrastructure necessary to support these county-wide electric vehicle targets."
- ★ "Maintain a trajectory of emissions reduction to eliminate the use of fossil fuels by 2050." (Redwood Coast Energy Authority, December 2019. Link: [RePower Humboldt/CAPE 2019 Plan Update.](#))

<sup>2</sup> HPMS Data: Contracts collect local traffic (traffic counts) data triennially, statewide. The data are collected on different locations to reflect characteristics of the road segments. Caltrans estimates/projects traffic volumes on all road segments based on past and newly collected data. Data includes traffic volumes on State Highways; some locations are permanent and continuous.

<sup>3</sup> California Air Resources Board [Innovative Clean Transit Regulation](#) [Dec. 2018]

<sup>4</sup> Mapping your “15-Minute Neighborhood” on your web browser. <https://app.developer.here.com/15-min-city-map/> Below: Example from City of Melbourne, Australia.



## EQUITY POLICIES & ACTIONS

To put the statement of commitment into action, HCAOG will pursue equity strategies and recommendations, such as:

- anti-racist values/culture
- racial equity action plan
- equity trainings
- equity performance measures
- internal equity group
- external equity advisory group<sup>4</sup>

HCAOG has identified initial and ongoing actions and first steps for combating racial injustice, tilted toward the transportation realm.<sup>5</sup> (The following order does not imply any ranking or prioritization.)

### **POLICY EQUITY-1 Land Acknowledgement:**

- ☐ HCAOG benefits from using office space and Board meeting space in Eureka, which is unceded ancestral land of the Wiyot. HCAOG will work to secure a stable funding source with which to contribute to the voluntary Wiyot Honor Tax in order to monetarily compensate the Wiyot Tribe for this benefit. If HCAOG cannot access any governmental fund that allows this type of expenditure, HCAOG will advocate for policy that creates funds that allow this as an eligible use.
- ☐ Begin HCAOG Board meetings and workshops with a verbal indigenous-land acknowledgement.

### **POLICY EQUITY-2 Establish Goals, Actions (Planning)**

- ☐ Adopt diversity, equity and inclusion goals and implementing actions. Integrate the implementing actions in the annual Overall Work Plan so that staff efforts are not peripheral but embedded in the everyday work development of the regional agency. Budgets for engaging the community and building partnerships must be real.
- ☐ Develop of a multi-pronged plan with actions/approaches and policies to use our position to help uproot an unjust system and support the creation of equitable transportation and human landscapes.

### **POLICY EQUITY-3 Training**

- ☐ HCAOG staff will continue internal bias and equity development and restructure our organization so that our efforts are not peripheral but embedded in our everyday work and decisions. The HCAOG board of directors commits to doing additional learning and development as governors of our regional foundation.
- ☐ Allocate time and resources to educate the HCAOG staff. Provide each staff member paid time to be used for social justice training or social justice work related to transportation, including participating for education, engagement, and encouragement events for underrepresented or disadvantaged communities.

### **POLICY EQUITY-4 Procurement, Hiring, Committee Representation**

- ☐ Take an anti-racist, equitable approach to procurement: Purchase supplies equitably such that disadvantaged businesses get the same benefits as historically advantaged businesses.

<sup>4</sup> From Charles T. Brown's presentation to California Transportation Commission, June 24, 2020.

<sup>5</sup> Several examples are from PeopleForBikes, 2020.

- ☐ Fully implement best practices for hiring processes, including for contract work, that improve outcomes for finding, hiring and promoting people of color and of varying backgrounds who fully reflect the fabric of our region and nation. Support internships to increase BIPOC professional experience in transportation planning.
- ☐ Review diversity and representation criteria for HCAOG committee and staff recruiting processes. Continue monitoring and adapting how that leads to greater outcomes of diversity and governance.

#### **POLICY EQUITY-5 Equity Funding, Prioritization**

- ☐ Take an anti-racist, equitable approach to transportation funding and project prioritization. Position funding investments and multi-modal-transportation advocacy efforts within the framework of equity and social justice.
- ☐ Follow the direction of BIPOC urbanist and mobility experts to operationalize the steps required to transform systems and to promote the actions most likely to create anti-racist walkable environments. Only support projects and initiatives that address structural racism and implement anti-racist efforts.
- ☐ HCAOG shall prioritize projects that have been planned and designed to bring economic benefits to communities that have had disproportionately low transportation investments and/or disproportionately high transportation harms.

#### **POLICY EQUITY-6 Partnerships, Advocate, Educate**

- ☐ Commit staff time and resources to build mutually-enriching relationships with partners who are supporting social justice efforts on the local level, to work to address systemic racism in transportation and land use structures.
- ☐ Support our partners working to create equitable transportation projects and programs in communities throughout Humboldt.
- ☐ Advocate at the federal, state and local levels of government for policies that improve communities by fostering inclusion and supporting equitable and complete mobility networks.
- ☐ Educate and inform by telling the history of racial bias and injustice in transportation and land policies and laws at the national, state, and local level.
- ☐ The imagery and graphics in promotional materials, PSAs, and social media shall reflect the diverse communities in the whole county.

#### **POLICY EQUITY-7 Data Collection**

- ☐ Identify and begin implementing actions to strengthen mobility justice and anti-racism in data collection and analysis projects.

## **ACTION PLAN: PROPOSED PROJECTS**

Agency	Project Description	ST or LT*
HCAOG	<b>Land acknowledgement:</b> Establish the protocol of beginning HCAOG Board meetings and workshops with a verbal indigenous-land acknowledgement. Implement this new practice.	ST
HCAOG	<b>Establish formal equity goals, actions:</b> Retain consultant services and/or establish an advisory board to facilitate developing guiding actions for building organizational diversity, equity, and inclusion. Outside help can help the organization to foster partnerships and build ongoing relationships between	



	BIPOC and our organization.	
HCAOG	<b>Trainings:</b> In introductory “welcome packets,” training, and/or other written materials for staff, committee members, and board members, include information on internal bias, cultural competency, and the agency’s equity and justice goals.	ST
	<b>Equity funding/prioritization:</b> Explore if and how a ratings program for projects could serve as a tool to build equitable mobility networks that benefit all members of a community.	ST
HCAOG	<b>Data collection:</b> Set a timeline and resources for expanding stock imagery that shows people of many different races, ethnicities, ages, abilities, and body types doing active and motorized transportation in varied settings.	ST

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<sup>i</sup> HPMS Data: Contracts collect local traffic (traffic counts) data triennially, statewide. The data are collected on different locations to reflect characteristics of the road segments. Caltrans estimates/projects traffic volumes on all road segments based on past and newly collected data. Data includes traffic volumes on State Highways; some locations are permanent and continuous.

- ii California Air Resources Board [Innovative Clean Transit Regulation](#) [Dec. 2018]
- iii **Mapping your “15-Minute Neighborhood” on your web browser.** <https://app.developer.here.com/15-min-city-map/> ***Right: Example from City of Melbourne, Australia.***