

2. RENEWING OUR COMMUNITIES

Data collected by Noah Sary, CivicSpark Fellow for HCAOG

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

PERFORMANCE MEASURE																	
I. REDUCE GHG EMISSIONS IN AIR DISTRICT (NCUAQMD)																	
REGIONAL TARGET	METRIC	BASELINE DATA (year as noted)															
Reduce on-road transportation-related fossil fuel consumption in Humboldt County. ¹	~ Transportation fuel sales (gasoline/diesel sales in gallons).	<p>Transportation Fuel Sales (Gasoline/diesel sales in gallons) for Humboldt County. Baseline data year: 2022</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Survey Responses (millions of gallons)</th> <th>Estimated Totals (millions of gallons)</th> </tr> </thead> <tbody> <tr> <td>2020</td> <td>51</td> <td>56</td> </tr> <tr> <td>2021</td> <td>47</td> <td>52</td> </tr> <tr> <td>2022</td> <td>41</td> <td>45</td> </tr> <tr> <td>2023</td> <td>37</td> <td>42</td> </tr> </tbody> </table> <p>Survey Responses are from fueling stations' retail sales reports of gasoline, diesel, and other transportation fuels (Petroleum Industry Information Reporting Act)</p> <p>Estimated Totals are obtained by matching California Department of Tax and Fee Administration gasoline sales totals and Energy Commission diesel sales determination</p>	Year	Survey Responses (millions of gallons)	Estimated Totals (millions of gallons)	2020	51	56	2021	47	52	2022	41	45	2023	37	42
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2020	51	56															
2021	47	52															
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2023	37	42															

PERFORMANCE MEASURE		
II. PERCENT MODE SHIFT		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
· 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.	~ # of miles of protected bikeways and sidewalks, & % of good intersections on arterials and collectors, and spacing/gaps between those intersections.	Will be collected after finalizing LTS Study.
	~ % of all road miles that are connection nodes at Low Traffic Stress levels 1 or 2.	Will be collected after finalizing LTS Study.
	~ # of barriers [TBD] to low-stress bike/ped transportation between major residential areas and major destinations (identified by network analysis)	Will be collected after finalizing LTS Study.
Double transit trips (including mobility on demand trips) by 2025, and again by 2030, and again by 2040	~ # of transit boardings (passenger trips)	Baseline data year: 2022 Total transit boardings: 433,496 *Need to collect Yurok Tribe Transit Service and Dial-a-Ride ridership data
· 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.	Yes/No (completed or not)	No; in progress. Will be completed in spring/summer 2025.

PERFORMANCE MEASURE		
III. REDUCE VEHICLE MILES TRAVELLED (VMT) BY CAR		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
Reduce VMT per capita by at least 25% by 2030, and 40% by 2050. (VMT includes zero-emission trips)	~ VMT/population	Caltrans Highway Performance Monitoring System Baseline data year: 2023 2023 Daily VMT of Travel Humboldt County per person: 6.32
	~ VMT/ #households	2023 VMT/Humboldt County per household: 15.39
	> Ratio between the number of light vehicles registered to residents of Humboldt County vs. the number of households or licensed drivers.	Baseline data year: 2020 Light vehicles registered vs. number of licensed drivers: 1.26

PERFORMANCE MEASURE		
IV. ZERO-EMISSION VEHICLE INFRASTRUCTURE		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
(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 neighborhood and station location level	(i) ~ Completion of charging-sites evaluation plan	Plan prepared by Redwood Coast Energy Authority (for California Energy Commission) March 2023: North Coast Plug-In Electric Vehicle Readiness Project URL: https://www.energy.ca.gov/publications/2023/north-coast-plug-electric-vehicle-readiness-project
(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.	(ii): Mandatory Electric Vehicle (EV) Charger Building Standards - 8 out of 8 jurisdictions
	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.	# Of jurisdictions requiring electric panel upgrades for residential alteration permits, and 200 A utility panel ratings for all new residential units - 8 out of 8 jurisdictions
	~ Amount of funding dispensed to subsidize and incentives EVCS	
(iii) ZEV Fueling Infrastructure: · By 2025, install a total of 1,394 public chargers, including 42 DC Fast Chargers (DCFC). ³	(iii) ~ Number of AC/DC chargers per household at the transportation analysis zone (TAZ) or census block level.	Baseline data year: 2024 Countywide: 158 AC chargers; 50 DC chargers. Approximately one charger per 330 people, on average of all census blocks in the county (0.3%/resident)
By 2030, install a total of 3,560 EVCS of which 127 are DCFC. • 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. • For employee parking lots and MF residential parking of spaces* (or more), 25% of spaces have electric vehicle	<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).	In progress; finalizing combined baseline data.

<p>charging stations by 2025, 35% by 2035, and 50% by 2050.</p> <ul style="list-style-type: none"> • 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. • 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 	<p>~ 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.</p> <p>~ Coverage of hydrogen fueling infrastructure countywide.</p>	
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PERFORMANCE MEASURE		
V. PERCENTAGE OF ZERO-EMISSION SCHOOL BUSES & PUBLIC FLEET VEHICLES		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
<p>i) · 100% of public buses and school buses are zero-emission by 2030.</p> <p><u>Note: Innovative Clean Transit Regulation:</u>⁴</p> <p>> By 2026, 25% of new transit vehicle procurement must be ZEBs;</p> <p>> By 2029 “nearly all,” and after 2040 100%, of the new bus procurement must be ZEBs.</p>	<p>(i) ~ Survey the fleet inventory of public transit vehicles and school buses.</p>	<p>Fleet inventory of public transit vehicles Baseline data year: 2025</p> <p>Public transit vehicles: 57 Zero-emission vehicles: 3, or 5%</p> <p>Fleet inventory of school buses Baseline data year: 2023 (California Energy Commission 2023 Medium and Heavy-Duty ZEV Dashboard)</p> <p>Number of electric school buses: 8 Total # fleet school buses – pending, TBD</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"> · 25% of public fleet passenger cars, SUVs, and forklifts are zero-emission by 2025, and 50% by 2030. · 30% of public fleet medium-duty and pick-up trucks are zero-emission by 2030. 	<p>(ii) ~ Survey the fleet inventory of each jurisdiction (local, regional, state, Native American governments).</p>	<p>In progress.</p>
<p>(iii) 100% of public fleet work vehicles are zero emission by 2036 (with government incentives and technology available and subsidized</p>	<p>(iii) ~ Same as above</p>	<p>In progress.</p>

PERFORMANCE MEASURE

VI. EFFICIENCY & PRACTICALITY IN LOCATING NEW HOUSING

REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)					
i) By 2021/22, start identifying top locations to survey/track for their access to essential destinations (i.e. study trip origin-destinations).	i) Presence of start-up/initial progress.	Started to identify top locations to track through metrics such as vehicle ownership, low-income areas, transit dependent census tracts.					
ii) By 2023 have baseline “connectivity scores” for 40% or more of cities’ and county’s buildable parcels, including infill development.	ii) Percentage of buildable parcels with baseline “connectivity scores.” Track outcomes for underserved communities to gage success in investment equity.	Baseline Data: Jurisdictions Housing Element (2019-2027) Completed 40% baseline connectivity scores of cities’ buildable parcels. (Appendix of completed connectivity scores is attached.)					
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	iii) Walkscore, Bikescore, and transit score within ¼ or ½ mile radius of new housing. Track outcomes for underserved communities to gage success in investment equity.	Baseline data year: 2021 New Permitted Housing Units					
		Jurisdiction	Total Permitted Units (2021)	Walkable	Percent Walkable	Bikeable	Percent Bikeable
		Arcata	38	22	58%	29	76%
		Blue Lake	0	n/a	n/a	n/a	n/a
		Eureka	31	23	74%	24	77%
		Ferndale	6	1	16%	0	0%
		Fortuna	45	9	20%	6	13%
		Rio Dell	0	n/a	n/a	n/a	n/a
		Trinidad	0	n/a	n/a	n/a	n/a
		County	90	2	2%	6	7%
iv) Starting by 2022, all new housing contributes to a countywide reduction in per capita VMT from cars.	iv) Estimated VMT per capita from new housing.	In progress; data pending.					
v) By 2023/24, all jurisdictions have adopted GP/zoning incentives for building in “highly connected” areas and for other climate-friendly housing-development.	v) Number of jurisdictions with adopted General Plan/zoning incentives for GHG-friendly building/development (aligned with Climate Action Plan policies and measures).	Baseline data year: 2024 - 3 out of 8 jurisdictions.					

PERFORMANCE MEASURE

VII. CONVENIENT ACCESS TO DESTINATIONS

REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
<p>i) By 2035, 60% of the county’s population—equitably distributed regionwide—live in homes/apartments/dorms where they can 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"> ▪ from home to work within 20 minutes in urbanized areas or within 35 minutes outside urban areas, without riding in a private car; ▪ 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. 	<ul style="list-style-type: none"> ● 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 communities to gage success in investment equity. ● Availability of transit trips within 150% of driving time. Track outcomes for underserved communities to gage success in investment equity. <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>	<p>In progress; data pending.</p>

PERFORMANCE MEASURE		
VIII. VISION ZERO		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
i) Maintain zero traffic fatalities per year, or decrease the number of traffic fatalities in the cities and unincorporated county by 50% each year until achieved.	i) Number of traffic-related deaths, and number of people walking or bicycling who are killed in collisions. Track outcomes for underserved communities to gage success in investment equity	Humboldt County 2023 Traffic Collision Data (SWITRS) Number of traffic related deaths: 27
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.	ii) Same as above	Pedestrian deaths: 8 Bicyclist deaths: 0
iii) Decrease by 25% each year the number of people seriously injured in traffic collisions in the cities and unincorporated county.	iii) Total number of people seriously injured in traffic collisions, and number of people walking or bicycling who are seriously injured in collisions. Track outcomes for underserved communities to gage success in investment equity.	Number of people seriously injured: 98 - Pedestrian Serious Injuries: 13 - Bicyclist Serious Injuries: 7

PERFORMANCE MEASURE		
IX. ACTIVE TRANSPORTATION EDUCATION		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
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.)*	In progress, data collection pending.
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.*	In progress, data collection pending.
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 gage success in investment equity.	In progress, data collection pending.

PERFORMANCE MEASURE		
X. INVEST IN COMPLETE STREETS		
REGIONAL TARGET	METRIC	BASELINE DATA (Year as Noted)
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 gage success in investment equity.	Fluctuates based on the amount of federal funding HCAOG gets.
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).	Data collection pending/in progress.

¹Consistent 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, <https://redwoodenergy.org/wp-content/uploads/2020/06/RePower-2019-Update-FINAL-.pdf>.)

²HPMS 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.

³California Energy Commission, Electric Vehicle Charging Infrastructure Assessment (July 2021) <https://www.energy.ca.gov/programs-and-topics/programs/electric-vehicle-charging-infrastructure-assessment-ab-2127>

⁴California Air Resources Board Innovative Clean Transit Regulation (<https://www.arb.ca.gov/regact/2018/ict2018/ict2018.htm>) [Dec. 2018]

⁵Mapping your “15-Minute Neighborhood” on your web browser. <https://app.developer.here.com/15-min-city-map/>

Final Connectivity Scores

Example Connectivity Score Breakdown

Jurisdiction	Address	WalkScore	BikeScore	Connection to Central Commercial Zone	Distance from nearest bus stop
ARCATA	1516 12th Street Arcata	82	99	927 J Street Arcata (10 min.)	6 minutes

Jurisdiction	Address	Final Connectivity Score
ARCATA	1258 Q Street Arcata (big cluster of 17 small parcels)	64
ARCATA	1516 12th Street Arcata	88
ARCATA	2399 Karen Court Arcata	37
ARCATA	119 m street Arcata	85
ARCATA	1115 15th Street Arcata	93
ARCATA	1505 J Street Arcata	94
ARCATA	1087 12th Street Arcata	90
ARCATA	2525 Todd Court Arcata	45
ARCATA	2598 Eye Street Arcata (Across from Todd Court)	42
ARCATA	1529 Steward Ct Arcata (Near Trinity Baptist Church)	55
ARCATA	2510 Terrace Ave Arcata (22 small parcels)	27
ARCATA	1457 30th Street Arcata	43
ARCATA	1865 Ribiero Ct Arcata	37
ARCATA	3294 St Louis Road Arcata	42
ARCATA	500 Bayside Rd Arcata	50
ARCATA	537 Bayside Rd Arcata	55
ARCATA	149 Bayside Rd Arcata	60
ARCATA	3488 Ribiero Ln Arcata	36
ARCATA	709 Diamond Drive Arcata	34
ARCATA	1694 27th Street Arcata	46
ARCATA	3498 Fern Way Arcata	35
ARCATA	983 Villa Way Arcata	58
ARCATA	1034 Villa Way Arcata	68
ARCATA	1595 Beverly Drive Arcata	33
ARCATA	1787 Charles Avenue Arcata	28
ARCATA	2343 Westwood Ct Arcata	66
ARCATA	1192 I St Arcata	94
ARCATA	Next to 141 G St Arcata	94

ARCATA	611 Park Avenue	38
ARCATA	1631 Bayview Ct	58
Jurisdiction	Address	Final Connectivity Score
Blue Lake	500 K St	44
Blue Lake	321 Hatchery Road	67
Blue Lake	200 Taylor Way	48
Blue Lake	411 Hackett Rd	53
Blue Lake	200 S Railroad (has bad bikescore but there is great bike infrastructure directly across this lot)	75
Blue Lake	115 B Street	56
Blue Lake	221 Railroad Avenue	74
Jurisdiction	Address (Clusters)	Final Connectivity Score
EUREKA	298 T Street Cluster 1 (3,4,5,16, 18,21)	74
EUREKA	1634 7th Street Cluster 2 (11, 71, 74, 75)	84
EUREKA	1813 Huntoon Street Cluster 3 (54-57, 58, 61, 62,64)	37
EUREKA	2964 A Street Cluster 4 (6,8,43, 81, 82, 83)	57
EUREKA	300 Willow Street Cluster 5 (44,45,46,47,48)	40
EUREKA	1524 Harrison Avenue Cluster 6 (31, 33, 35, 36)	45
EUREKA	417 Wells Drive Cluster 7 (67, 68, 69, 70)	22
EUREKA	1407 Mcullens Avenue Cluster 8 (39, 40, 41)	49
EUREKA	3030 Fairfield Street Cluster 9 (77,78)	58
EUREKA	2744 Hall Avenue Cluster 10 (65,85)	33
EUREKA	1339 Williams Street Cluster 11 (25, 27, 28)	83
EUREKA	1301 Russ Street Cluster 12 (50, 51, 52)	63
Jurisdiction	Address	Final Connectivity Score
FERNDALE	1050 5th Street	55
FERNDALE	531 Fern Avenue	67
FERNDALE	906 Dewy Avenue	55
FERNDALE	655 Jacobsen Way	45
FERNDALE	940 Arlington Avenue	44
FERNDALE	898 Bluff Street	33
FERNDALE	876 Wildcat Avenue	67
FERNDALE	514 Fern Ave	64
FERNDALE	762 Washington Street	57

FERNDALE	555 Mckinley Avenue	53
FERNDALE	314 Lincoln Avenue	44
FERNDALE	465 Mckinley Avenue	47
FERNDALE	876 Wildcat Avenue	67
FERNDALE	1675 Market Street	22
FERNDALE	1065 Cream Ct	29
FERNDALE	848 5th Street	59
Jurisdiction	Address	Final Connectivity Score
FORTUNA	1. (6) 3031 Smith Lane	57
FORTUNA	2. 688 Summer Street	56
FORTUNA	3. 2148 Redwood Way	60
FORTUNA	4. 2212 Shamrock Drive	37
FORTUNA	5. Redwood Way	38
FORTUNA	6. 627 Hilltop Drive	8
FORTUNA	7. 131 Hope Lane	30
FORTUNA	8. 150 Gulliksen Drive	15
FORTUNA	9. 628 Elizabeth Barcus Way	20
FORTUNA	10. 1291 Atteberry Ln	42
Jurisdiction	Address	Final Connectivity Score
Rio Dell	(2)22 Painter Street, Wildwood Ave	60
Rio Dell	(4) 253 Belleview Avenue	9
Rio Dell	(5) 189 Spring Street Rio Dell	10
Rio Dell	(7, 13, 14, 15) 740 Pacific Avenue	68
Rio Dell	(6) 760 Ireland Street	54
Jurisdiction	Address	Final Connectivity Score
TRINIDAD	801 Van Wycke St	42
TRINIDAD	349 Main Street	70
TRINIDAD	850 Underwood Drive	54
TRINIDAD	396 View Ave	64
TRINIDAD	543 Ocean Ave	54
TRINIDAD	586 Hector Street	52
TRINIDAD	108 Himalaya Road	49