



# TACOMA 2030 CLIMATE ACTION PLAN:

## 2022 PROGRESS REPORT



# LETTER FROM THE MAYOR

I am pleased to share this Year 1 progress report for the 2030 Climate Action Plan with our community. This progress report, which builds on the foundations set when we adopted the plan, frames new priorities and investments focused on equitable action for climate change and environmental justice in the years to come.

Truly moving the needle on climate change requires leadership at all levels of government globally and, locally in Tacoma, we are doing our part as a city to ensure a better tomorrow for our residents. This past year brought forth a renewed understanding of the positive impact that collective action can have on ensuring healthy communities, and this plan ensures we are using the momentum we have built to adjust and maximize our efforts for the greatest impact.

By putting people first, particularly those historically overburdened and underrepresented, we can work to Build Tomorrow Together and ensure our tomorrow is for everyone. I challenge each of you to join us, spark change within your own communities, and build momentum together that ensure we are resilient in the face of climate change.

To learn more about our climate action planning efforts, visit [www.cityoftacoma.org/climate](http://www.cityoftacoma.org/climate).

Yours in Service,



Victoria R. Woodards  
Mayor

# LETTER FROM THE SUSTAINABLE TACOMA COMMISSION

The Sustainable Tacoma Commission is excited to see the success stories presented in this first progress report for Tacoma's new, bold 2030 Climate Action Plan. We acknowledge that full implementation of this plan is the least we can do to address the worsening climate change impacts our city faces.

Current actions by the City in 2022 and the planned efforts over the next few years are timely, as Tacoma realizes the real urgency in continuing to deepen our commitments to climate mitigation, adaptation and resilience.

For too long, our city and the wider community missed the opportunity to meaningfully address climate change. This progress report outlines our growth in learning and application and aims to assess how to most efficiently shift and speed up progress. We are optimistic that Tacoma is up to the task.

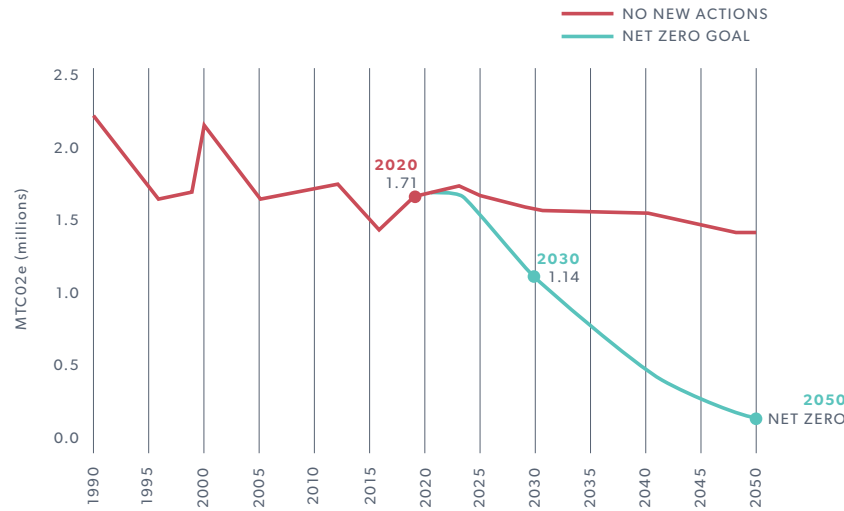


# THE WHY

Working toward a better Tacoma in 2030 and net-zero emissions in 2050, we plan to do our part to solve the climate crisis with strong investments in the immediate and long-term future while **improving community health, safety, job opportunities, and equity.**

We planned, and are now working to both reduce our carbon pollution and adapt to the worsening impacts of our changing climate. That means **better living, breathing, resource use, togetherness, opportunities, and preparedness** for everyone.

During much of 2020 and 2021, we attempted new community engagement methods with some successes, and some shortcomings. Focusing on participatory-centered processes, we tried new models which included compensating community participants for their involvement with various roles in the hopes of creating a more equitable and anti-racist climate action plan. The planning process was about centering frontline involvement, honoring their contributions, and getting to an equitable plan. **Implementation of the Plan is how we actually deliver benefits to our community.**



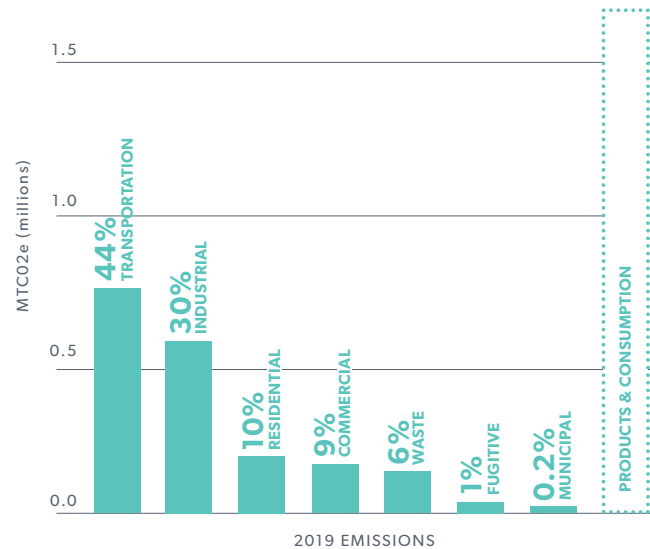
**GRAPH 1** Tacoma's Greenhouse Gas Emissions and Goals. In alignment with Pierce County and WA State goals.

Graph 1 shows where we are and where we need to go. While the line is steeply down, there are great benefits that come by embracing that path.

This progress report is about transparency – sharing both successful progress and areas where we are falling behind. While 2022 is just the first year of three for near-term actions, and indicator targets are set for

**2030, measuring how we start and what happens along the way is important.**

The Plan has identified **indicators for a Better Tacoma and set 2030 targets.** While for the most part the City does not have total control for achieving these targets, these outcomes are important for our community and we have important roles ... To help jump start the implementation of the full Plan, **ten priority actions were identified for 2022 and are highlighted here.**



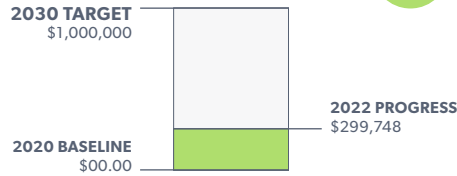
**GRAPH 2** Tacoma's 2019 emission sources

INDICATORS



Increase community-led climate equity projects and programs

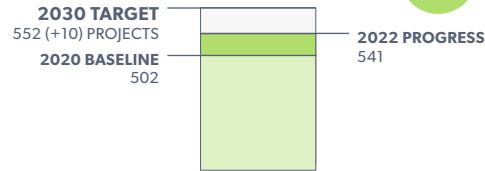
Sector: Governance and Engagement



Increase community food projects, including community gardens, food forests, orchards, farms, food rescue efforts, and farmers markets.

Note: The 2020 baseline and 2030 target were updated since the publication of the 2030 Climate Action Plan.

Sector: Natural Systems & Local Food



SUCCESS STORIES



The Pilot Tacoma Climate Leadership Cohort program, coordinated by the Tacoma Tree Foundation in conjunction with the Office of Environmental Policy and Sustainability, recruited 12 frontline community members to take climate action in 2022! "I truly believe this cohort has the potential to make a big impact on the community, and already has," one cohort member commented after the weekend retreat consisting of trainings, discussion, and demonstration project preparation.



Working to harvest more and reduce local produce waste, Food is Free Washington scheduled gleans the day before or the day of Food Independence Garden Share Days, where harvested produce is distributed to community members and leftover produce is donated to food rescue organizations. As a result of their consistent efforts and strategic planning, they harvested 24,000 lbs of rescued food and contributed zero lbs of food waste to landfills in 2022!

JUMP START ACTIONS



Fund 10 community food access projects like community gardens, food forests, orchards, farms, food rescue efforts, or farmers markets.

Sector: Natural Systems & Local Food

**2022 PROGRESS:** The City funded the Harvest Pierce County Community Garden Program, Gleaning Program, the Farmer's Markets Fresh Bucks Program, Food is Free, and Just and Healthy Food Community of Interest. Additionally, a small farm was piloted on unused land at the Tacoma Recovery and Transfer Center.



Support community organizers to share expertise and promote climate action engagement.

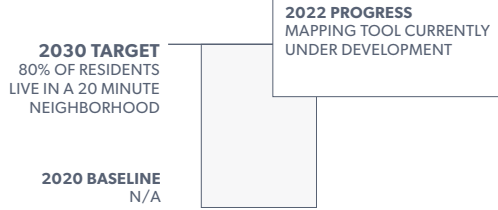
Sector: Governance and Engagement

**2022 PROGRESS:** Piloted the Tacoma Climate Leaders Cohort, where 12 emerging climate and equity ambassadors learned from each other and local leaders on how to lead and effect change. Additionally, the City's Sustainability Office hosted a Sustainability Specialist Americorps member.

INDICATORS

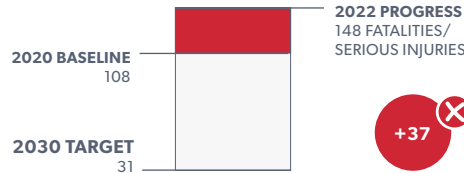
**Increase compact, complete, walkable neighborhoods**

Sector: Mobility & Land Use



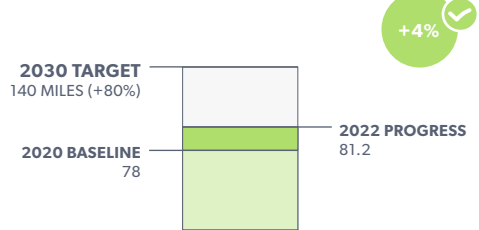
**Eliminate fatalities and serious injuries from collisions by 2035 to achieve Vision Zero**

- Note: The baseline data was updated since the publication of the 2030 Climate Action Plan.  
Sector: Mobility & Land Use



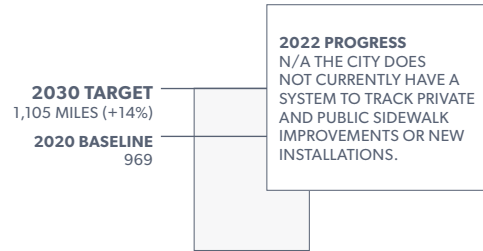
**Increase bicycle infrastructure miles**

Sector: Mobility & Land Use



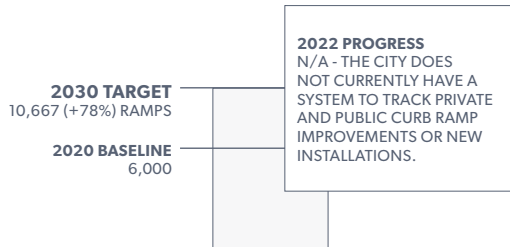
**Increase miles of sidewalks**

Sector: Mobility & Land Use



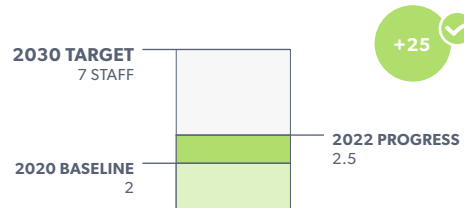
**Increase number of ADA-compliant curb ramps**

Sector: Mobility & Land Use



**Increase active transportation and transit staffing to reach League of American Bicyclists gold-level staffing**

Sector: Mobility & Land Use



SUCCESS STORIES



When S 56th Street was set to be repaved between S Washington St and Tacoma Mall Boulevard, the project team looked for opportunities to improve active transportation safety and mobility. They added ADA and sidewalk improvements along S 56th St and constructed a bike route connecting the South Tacoma Sounder Station to the Tacoma Mall Transit Center. The project includes Tacoma's first parking-protected bike lanes & two-way protected bike lanes.

JUMP START ACTIONS

#9

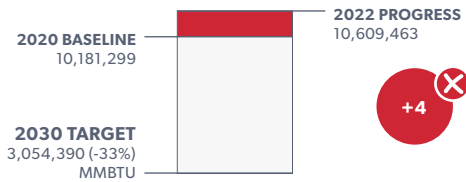
Build a complete, citywide network of sidewalks, safe and ADA - accessible intersections, bike connections and Safe Routes to School improvements by 2050.

Sector: Mobility & Land Use

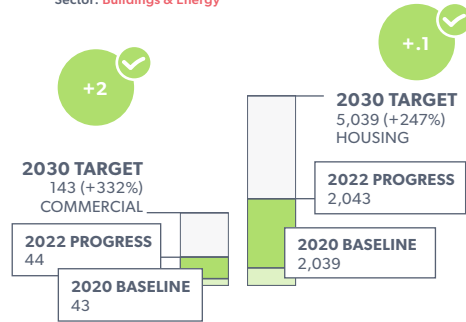
**2022 PROGRESS:** In 2022, the Active Transportation Coordinator presented high level data showing the significant amount of funding needed to meet our CAP goal to City Council.

INDICATORS

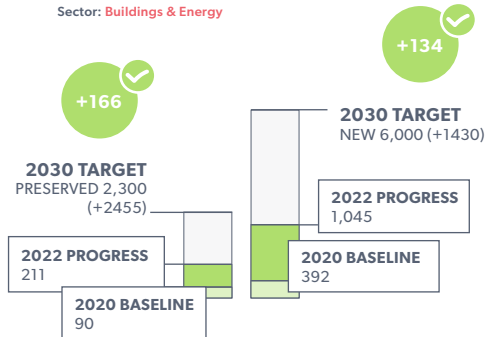
**Reduce fossil fuel energy use from buildings**  
Sector: Buildings & Energy



**Increase number of green certified: Commercial Buildings and Housing Units**  
Sector: Buildings & Energy



**Increase number of: Preserved Housing Units & New Affordable Units**  
Sector: Buildings & Energy



JUMP START ACTIONS

#14

Support and create single and multi-family low carbon, healthy retrofit solutions

Sector: Buildings & Energy

**2022 PROGRESS:** In 2022, the City began working on a Community Building Decarbonization Strategy to be completed in 2023. Partnership with Tacoma Power on their new Income Qualified Rental Program for electric customer retrofits is underway.

#15

Improve energy codes to make commercial buildings efficient, low carbon, and healthy.

Sector: Buildings & Energy

**2022 PROGRESS:** WA State Building Code Council adopted amendments to the commercial energy code requiring electric heat pump technology for most space and water heating in new construction. Tacoma will adopt these into municipal code per usual procedures.

#17

Incentivize green buildings, land use density, and mixed-use development with affordable housing near transit.

Sector: Buildings & Energy

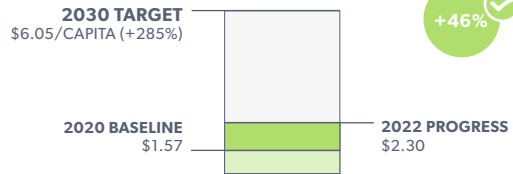
**2022 PROGRESS:** Through Home in Tacoma, the City is encouraging more missing middle housing near transit. While a review of the zoning bonus systems for green buildings has not been identified as a high priority item in the planning work program, PDS expects an expansion of bonus programs to support affordable housing to be part of the Home in Tacoma project in 2023.

## INDICATORS



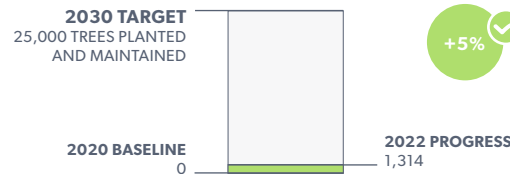
### Exceed national average per capita rate spent on tree care

Sector: Natural Systems & Local Food



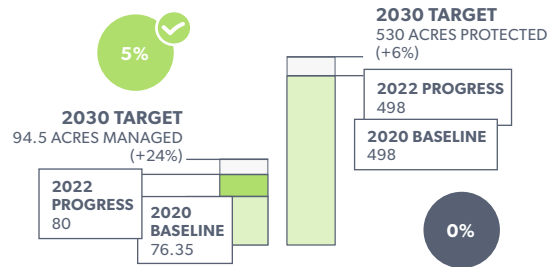
### Increase tree planting and care in high heat, very low and low opportunity equity neighborhoods

Sector: Natural Systems & Local Food



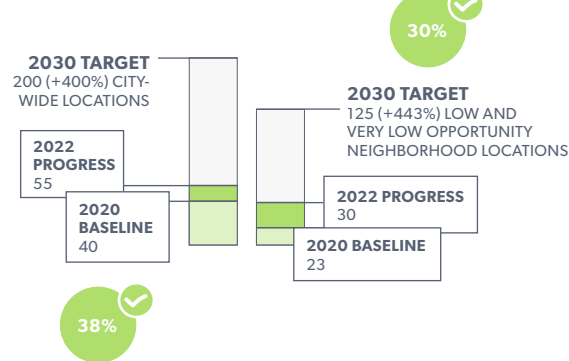
### Increase acres of actively managed open space ecosystem habitat Protect more acres

Sector: Natural Systems & Local Food



### Increase public electric vehicle charging locations, especially in low and very low opportunity equity neighborhoods

Sector: Mobility & Land Use



## SUCCESS STORIES



The City's 15 Neighborhood Business Districts have each received one new streetside Level 2 electric vehicle charging station, and eight are in historically underinvested areas, according to the [City's Equity Index](#). Local business employees and customers use them by day, and a number are seeing regular overnight usage by local residents.

## JUMP START ACTIONS

### #18

Protect and preserve healthy tree canopy

Sector: Natural Systems & Local Food

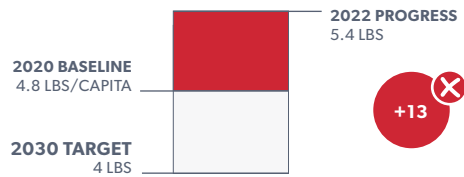
**2022 PROGRESS:** Internal discussions began around mapping, documenting, and categorizing city trees in order to better manage their health.

## INDICATORS



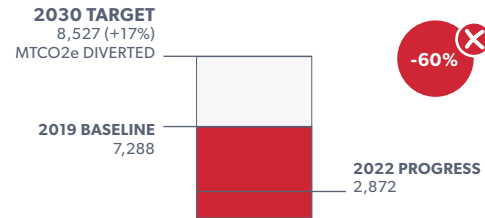
### Decrease per-capita waste generation

Sector: Consumption



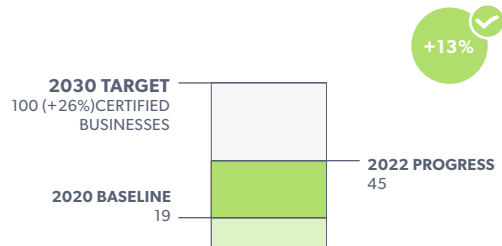
### Increase metric tons of GHGs from diverted materials from Recycling and Recovery Center

Sector: Consumption



### Increase number of EnviroStar businesses

Sector: Consumption



## SUCCESS STORIES



The Recycling Ambassador Program gave 11 Food Recovery trainings with 169 participants during 2022. Some of the most dynamic trainings were those given in collaboration with neighborhood trainers at community gardens. The community trainers invited their friends and neighbors to the gathering and provided simultaneous translation into three different languages: Khmer, Korean, and Vietnamese.

## JUMP START ACTIONS

### #24B

Develop and support programs for food waste prevention, rescue, and diversion to keep food out of the landfill and improve local food security.

Sector: Consumption

**2022 PROGRESS:** Tracking WA 2021 Organics Management Law requiring businesses to arrange for organics materials collection by Jan 1, 2024. In 2023, the City will be conducting a residential waste composition study to determine what much food waste customers are throwing away and use that data to look at additional food waste diversion strategies, including some version of a food waste ban.



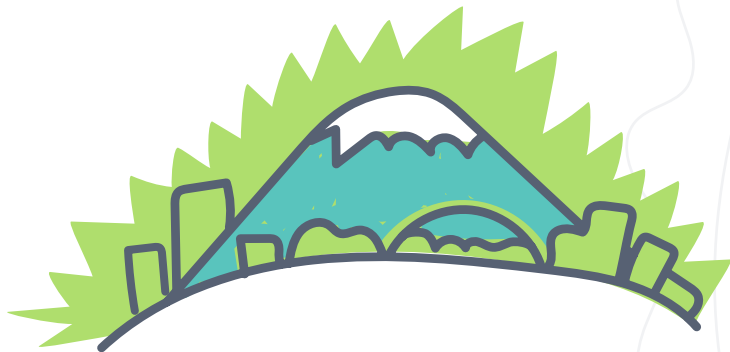
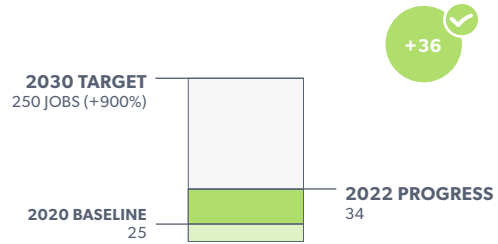
# BETTER OPPORTUNITIES

## INDICATORS



Increase number of green jobs  
(as measured by tax credit)

Sector: Green Economy



KEY When the 2022 value exceeds the baseline, data and icon is shown in green with a check mark.

When the 2022 value is behind the baseline, data and icon is shown in red with an X mark.

## SUCCESS STORIES



Broader outreach about **EnviroStars**, Washington's green business recognition program that assists businesses in reducing waste, increasing efficiency, and lowering operational costs, led to a total of 45 recognized businesses in Tacoma by the end of 2022!

## JUMP START ACTIONS

#38

Increase City staff capacity to grow green economy partnerships and resources.

Sector: Green Economy

**2022 PROGRESS:** City Council approved the Green Economy Specialist position as part of the 2023-24 budget. This new position will help lead implementation of the 2023 Green Economy Strategy workplan, including coordinating community partnerships.

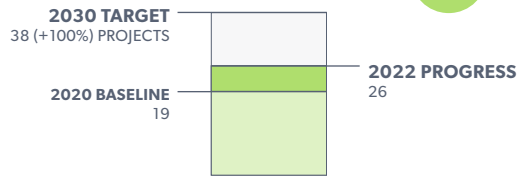
INDICATORS



Increase natural heat island intervention projects in hottest neighborhoods

Sector: Natural Systems & Local Food

+37 ✓



JUMP START ACTIONS

#40

Plant and maintain right-of-way trees to reduce heat and support neighborhoods and local businesses.

Sector: Natural Systems & Local Food

**2022 PROGRESS:** The city obtained a federal grant to plant and water trees in the Tacoma Mall neighborhood and in 2022, the council adopted a budget to support the Tacoma Tree Foundation to target tree planting in neighborhoods of highest need.

#42

Partner to distribute clean air kits, including filter fans.

Sector: Buildings and Energy

**2022 PROGRESS:** 540 filter fans were distributed to Tacoma residents from May - September in partnership with the Tacoma Pierce County Health Department.

SUCCESS STORIES



In response to worsening air quality due to increased wildfire smoke and rising urban heat effects, the Tacoma-Pierce County Health Department distributed 540 filter fans to Tacoma residents from May through September 2022. Distribution occurred at Tacoma Housing Authority properties, Asia Pacific Cultural Center, STAR Center, Center at Norpoint and Veteran's Administration.



Patrick (9), whose grandmother lives across the street from Madison Middle School, is planting a tree with the help of planting volunteer Dan Nakamura. The two were planting pairs for the entire 3 hr event at Madison Middle School, and named trees after one another. This was Patrick's second tree planting event at Madison and he said that he'll be checking up on these trees.

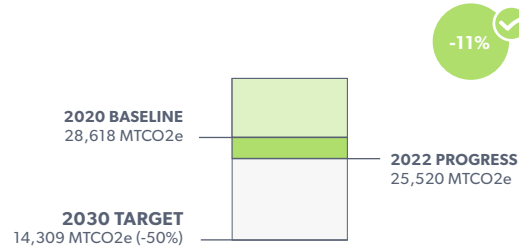


Ashley Jones and her son Junree dig a hole to plant a tree at Madison Middle School grounds in Tacoma Mall neighborhood. This neighborhood has one of the lowest tree canopies relative to the rest of Tacoma, and Tacoma Mall residents like Jones are trying to help close that gap. "[I want Junree] to get this experience, and for us to be able to drive past and be like, 'Remember that day that we planted trees?'" Jones says. "It was important for me to teach him about environmental justice."

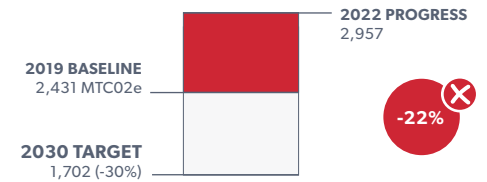
### INDICATORS

Though municipal GHG emissions are a small proportion of Tacoma’s total, the City must lead by example to maintain public confidence, set an ambitious precedent, and demonstrate practical examples for other local institutions.

#### Reduce GHG emissions from municipal fleet



#### Reduce GHG emissions from municipal buildings & infrastructure



### SUCCESS STORIES

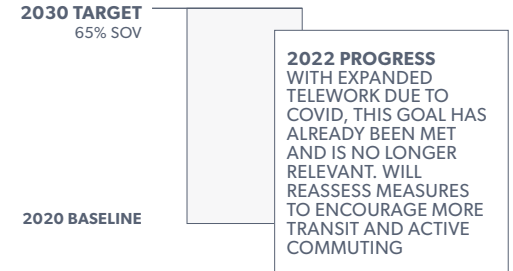


**Better Municipal Building Performance:** City redirected incentive funds acquired through participation in Tacoma Power’s Commercial Strategic Energy Management toward scholarships for 4 Facilities Management employees to enroll in a 6-month training program. The Building Operator Certification Level 2 curriculum included applying assessment and analytics methods to 4 existing municipal buildings. With this certification, City staff has new capacities for tuning these buildings to decrease the energy intensity of the energy systems, especially HVAC loads. BOC Level II also prepares City to comply with WA State Clean Building Performance Standards.

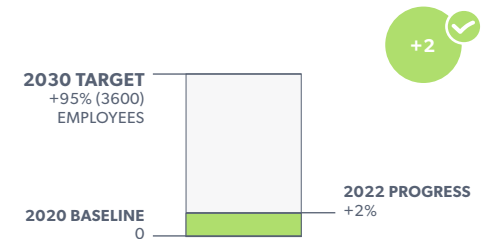


**Better Work with Better Fleet:** TPU Water Department is leading-by-example, replacing older diesel-fueled step vans with plug in hybrid electric models. As of the end of 2022, they have 15 in service and another set ready to be ordered. These plug in hybrid electric models have onboard features, like workbenches with power and exportable power for specialized needs. Charged by Tacoma Power’s clean electricity, they are lower emissions vehicles (which reduce air pollutants and carbon). Their quieter operation is appreciated by residents in City neighborhoods and by technician drivers.

#### Reduce employee single occupancy commuting (SOV)



#### Engage employees in sustainability



# TACOMA'S CLIMATE ACTION NOT ALONE

This Plan does not exist in isolation, and is in fact, being implemented alongside other vital community plans and partnerships, such as:

[Home in Tacoma – Phase 2](#)



[Affordable Housing Action Strategy - City of Tacoma](#)



Tacoma Greening Our Economy Strategy



[Pierce County Sustainable 2030 Plan](#)



[Port of Tacoma Clean Air Strategy](#)



## WHAT'S COMING NEXT





The City's two-year budget for 2023-2024 includes funding for many important CAP actions. While the current city funds aren't enough to address all actions in the Plan, it is a solid start. Additionally, the City has received over \$40 million in grant dollars since 2020. We hope to double that amount the next 3 years.

New WA state laws, such as the Climate Commitment Act and Low Carbon Fuel Standard, that came into effect January 1, 2023 **will bring unprecedented funding for climate justice investments across our state.** Additionally, through the Federal Inflation Reduction Act, over \$329 billion will be available for a green and just economy transition. These are exciting times and we hope to make sure that Tacoma is ready and able take advantage of these investments for our local community.



## WAYS YOU CAN GET INVOLVED WITH THE TACOMA CLIMATE ACTION PLAN

1. Contact us with your thoughts at [sustainability@cityoftacoma.org](mailto:sustainability@cityoftacoma.org)
2. Follow us on [Facebook](#) and [Instagram](#) (@tacomasustainability) to stay up to date on programs and events happening in the City!
3. Hold the City accountable by showing up at City Council meetings or [contacting your Tacoma City Council representative](#) to express your climate action priorities.
4. Get involved in City decision-making and budgeting by participating on a [City committee, board, commission, neighborhood council](#).
5. Learn more about local community environmental events and opportunities by joining the [EnviroNews email list](#).
6. Talk to your friends, family members, and neighbors about climate change, the local impacts we are experiencing, and the solutions available to us. Simple, everyday conversations can go a long way in increasing awareness and action on climate change.




## NATURAL SYSTEMS & LOCAL FOOD

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#3	BETTER TOGETHER	<b>JUMP START ACTION</b> Fund 10 community food access projects like community gardens, food forests, orchards, farms, food rescue efforts, or farmers markets.		The City funded the Harvest Pierce County Community Garden Program, Gleaning Program, the Farmer's Markets Fresh Bucks Program, Food is Free, and Just and Healthy Food Community of Interest. Additionally, a small farm was piloted on unused land at the Tacoma Recovery and Transfer Center.
#8	BETTER LIVING	Improve regulations to make it easier to grow, make, and sell food.		No staffing resources identified and redirected for this work in 2022.
#18	BETTER BREATHING	<b>JUMP START ACTION</b> Preserve and expand healthy tree canopy.		Internal discussions began around mapping, documenting, and categorizing city trees in order to better manage their health.
#23	BETTER BREATHING	Increase Tacoma's Urban Forestry team to care for more trees.		Budget enhancements for 2021/2022 and 2023/2024 to hire a 4-person arborist crew were requested. The enhancements were not granted due to budget constraints.
#32	BETTER OPPORTUNITIES	Partner to train nature stewards for employment and to restore green spaces.		Council adopted the budget in the 2023-24 biennium to support a green jobs training program.
#34	BETTER OPPORTUNITIES	Research how to develop a community food hub, with space for food training, sharing, and business.		Staff engaged with stakeholders and entrepreneurs around private sector led food training hubs, local BIPOC and micro-enterprise farmer capacity building, vertical farming, food truck/food court in downtown, and food entrepreneurs in various stages of growth. Additional research and stakeholder engagement is needed.
#39	BETTER PREPARED	Protect and restore biodiversity and habitat to be climate change ready.		Staff are working to update critical area map layers. Planning and Development Services initiated an update to Tacoma's Critical Area Ordinance. This update is on a planned schedule per Growth Management Act (GMA) guidance with code changes/implementation planned for 2024.
#40	BETTER PREPARED	<b>JUMP START ACTION</b> Plant and maintain right-of-way trees to reduce heat and support neighborhoods and local businesses.		In a pilot program funded through a grant in the Tacoma Mall area, 318 ROW trees were pruned along priority maintenance corridors identified in the UFMP within the Tacoma Mall neighborhood.
#44	BETTER PREPARED	Assess, monitor, and prepare natural systems, infrastructure, and habitat for sea level rise.		New sheet pile walls are replacing failing walls at three sites on the Thea Foss Waterway. Construction for this \$800K project started in October 2022 and is scheduled for completion in March 2023.




MOBILITY & LAND USE				
#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#9	BETTER LIVING	<b>JUMP START ACTION</b> Build a complete, citywide network of sidewalks, safe and ADA-accessible intersections, bike connections and Safe Routes to School improvements by 2050.		In 2022, the Active Transportation Coordinator presented high level data showing the amount of funding needed to meet our CAP goal to City Council. While the City will need hundreds of millions of dollars to complete the network, we received \$45 million in grants in 2022, of which \$15 million is designated for Schuster Parkway to improve the system.
#10	BETTER LIVING	Increase staff capacity to collaborate on low carbon transit projects.		Planning and Development Services hired a Senior Planner to lead the Pacific Avenue Subarea Plan. Public Works was not able to hire a Transit Planner.
#11	BETTER LIVING	Increase partnerships and funding for active transportation and public transit programs and events that reduce barriers to using these modes and encourage their use.		Public Works (PW) hired an Intern in 2022 to assist with Active Transportation Programming and will add an Active Transportation Planner in 2023.
#12	BETTER LIVING	Update street design guidelines and processes to make walking, biking, rolling, and riding transit easy and safe.		The Vision Zero Action Plan, developed in 2022, includes a toolbox of design standards and practices for implementation. Staff began work with internal staff to update the Complete Streets policy and checklist, which is anticipated to be completed in 2023.
#17	BETTER LIVING	<b>JUMP START ACTION</b> Incentivize green buildings, land use density, and mixed-use development with affordable housing near transit.		Through Home in Tacoma, the City is encouraging more missing middle housing near centers and transit. A review of the zoning bonus systems for green buildings has not been identified as a high priority item in the planning work program. Planning and Development Services expects an expansion of bonus programs that support affordable housing to be part of the Home in Tacoma project in 2023.
#19	BETTER BREATHING	Support Pierce Transit in developing a zero emission public transit plan.		Assisting Pierce Transit as the develop their zero emission bus plan for 2023.
#20	BETTER BREATHING	Incentivize active transportation, transit, car sharing, and electric vehicles, and reduce parking minimums in new developments.		Staff worked on updating the Complete Streets policy, but it is still in draft form.
#21	BETTER BREATHING	Fund electric vehicle and bicycle programs.		Tacoma Power awarded \$1MM federal funds for public and Multifamily Electric Vehicle Charging. Low income car share program state grants of \$1.2MM awarded to partnering nonprofits.

 <b>MOBILITY &amp; LAND USE</b>				
#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#22	<b>BETTER BREATHING</b>	Partner to support zero emission innovation in marine, rail, and truck transportation.		Tacoma Power is participating in a demonstration project with OCOchem, a startup granted \$1.5M from the Clean Energy Fund to build a portable power generator fueled with a safe liquid hydrogen carrier for a variety of novel applications. Additionally, Tacoma Rail to design charging infrastructure to support two new electric locomotives.
#41	<b>BETTER PREPARED</b>	Establish cooling/warming/clean air shelters in every neighborhood.		Several sites around the City were open for relief during extreme heat and smoke days, including Lighthouse Center, Beacon Senior Center, Brotherhood RISE, and libraries. Expansion of hours and neighborhood locations planned for 2023.
#45	<b>BETTER BREATHING</b>	Study flooding impacts and improve services, codes, and planning efforts.		Stormwater Comprehensive Plan is included in the 23-24 Biennium Budget and will include Flood Vulnerability study to begin in late 2023.

## **BUILDINGS AND ENERGY**

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#6	<b>BETTER TOGETHER</b>	Support development of a collaborative workgroup to help industries decarbonize through efficiency, electricity, and clean fuels.		Collaborative not created yet, as Community and Economic Development set Greening Our Economy Strategy to be finalized in early 2023. This is a key action identified by Strategy Advisory Committee for 2023 implementation.
#13	<b>BETTER LIVING</b>	Actively implement the City's 2018 Affordable Housing Action Strategy by maintaining housing and making it affordable and resilient for residents to promote livability and avoid displacement.		The City Council adopted a new housing growth strategy supporting middle housing citywide and policies calling for actions to ensure housing growth meets multiple goals in December 2021. In 2022, Home in Tacoma Phase 2 was initiated and will implement the new housing growth strategy through 2023.
#14	<b>BETTER LIVING</b>	<b>JUMP START ACTION</b> Support and create single and multi-family low carbon, healthy retrofit solutions.		The Tacoma Community Building Decarbonization Strategy contract has been extended to Summer 2023. Partnership with Tacoma Power on their new Income Qualified Rental Program for electric customer retrofits is underway. Tacoma is tracking IRA grants, tax credits, rebates & incentives.
#15	<b>BETTER LIVING</b>	<b>JUMP START ACTION</b> Improve energy codes to make commercial buildings efficient, low carbon, and healthy.		WA State Building Code Council adopted amendments to the commercial energy code requiring electric heat pump technology for most space and water heating in new construction. Tacoma will adopt these into municipal code per usual procedures.
#16	<b>BETTER LIVING</b>	Research and pilot home and commercial building energy scores to be shared with buyers.		No action to date.

## BUILDINGS AND ENERGY

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#25	BETTER RESOURCE USE	Reduce per-person water use during summer months.		Advanced water meters are 54% installed and continuous-use notification letters began sending in Q3. Nine repairs have been completed to replace broken property-side service lines, seven of which included grants
#42	BETTER PREPARED	<b>JUMP START ACTION</b> Partner to distribute clean air kits, including filter fans.		540 filter fans were distributed to Tacoma residents from May - September in partnership with the Tacoma Pierce County Health Department.
#46	BETTER PREPARED	Plan for future clean energy needs with adequate and equitable electricity distribution and transmission.		Still in early planning phase for the 2024 Integrated Resource Plan.

## CONSUMPTION AND MATERIAL MANAGEMENT

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#2	BETTER TOGETHER	Fund community participation and partners in waste prevention.		In 2022, Solid Waste Management collaborated with 8 partners to carry out waste reduction, recycling contamination reduction, and food recovery educational activities. The activities served 366 participants and resulted in \$50K worth of funding to the partners and participants.
#24A	BETTER RESOURCE USE	Increase food waste prevention and diversion programs and projects including food labels, infrastructure, ordinances, incentives, and food rescue supported by increased staff capacity.		Provided limited financial support for community food gleaning, diverting over 53,000 lbs of fresh food.
#24B	BETTER RESOURCE USE	<b>JUMP START ACTION</b> Develop and support programs for food waste prevention, rescue, and diversion to keep food out of the landfill and improve local food security.		Tracking WA 2021 Organics Management Law requiring businesses to arrange for organics materials collection by Jan 1, 2024. In 2023, will be conducting a residential waste composition study to determine what food waste customers are throwing away. Once that is done, staff will look at additional food waste diversion strategies, including some version of a food waste ban.
#27	BETTER RESOURCE USE	Increase commercial and industrial reuse and recycling through a marketplace.		Online market exchange has new owner and contract in negotiation with Seattle Good Business Network and the WA Dept of Commerce. Waiting for contract terms to be shared before marketing to local customers.



## CONSUMPTION AND MATERIAL MANAGEMENT

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#28	BETTER RESOURCE USE	Reduce construction and demolition waste through permit requirements.		Private market issues are creating a challenging environment for construction & demolition recycling in WA. Anticipate adopting salvage/waste assessment requirements as part of permitting for demolition and renovation permits in late 2023.
#29	BETTER RESOURCE USE	Divert more clean wood waste and other materials at the Recycling and Transfer Center.		Solid Waste Management developed plan to divert dimensional lumber. Implementation pilot scheduled for early 2023.

## GOVERNANCE AND ENGAGEMENT

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#1	BETTER TOGETHER	Prioritize engaging frontline communities in climate work.		The City and partners supported almost 30 community groups working on climate and equity projects and programming. Exciting new partnerships include Hội Học Phật Từ Tâm Loving Kindness Meditation Center, Homeownership Center NW, and WA Build Back Black Alliance.
#4	BETTER TOGETHER	<b>JUMP START ACTION</b> Support community organizers to share expertise and promote climate action engagement.		Piloted the Tacoma Climate Leaders Cohort, where 12 emerging climate and equity ambassadors learned from each other and local leaders on how to lead and effect change. Additionally, the City's Sustainability Office hosted a Sustainability Specialist Americorps member.
#5	BETTER TOGETHER	Increase advocacy for climate action at the State and Federal level.		New government relations staff and more regular communications are underway for 2023.
#7	BETTER TOGETHER	Partner to tackle cross-jurisdictional, adaptation opportunities, including river management and flooding.		Tacoma-Pierce County Climate Adaptation Partners met quarterly in 2022 to share success and obstacles on topics such as extreme heat and smoke, flooding, and sea level rise. Two multi-agency sea level rise grants were applied for.
#30A	BETTER RESOURCE USE	Add or improve low carbon and sustainability requirements in City investments and contracts.		Staff provided the Retirement Board with results of the investment portfolio Environmental, Social, Governance (ESG) analysis and plan on providing updated information in 2023. In addition, the Department started including sustainability-related questions in contract requests.



## GOVERNANCE AND ENGAGEMENT

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#31	BETTER RESOURCE USE	Build GHG impact analysis into City budgets, projects, and plans.		Incorporated a climate action plan question into the citywide 2023-2024 budget request process, and included sustainability criteria into the capital prioritization process.
#43	BETTER PREPARED	Make communication materials and trainings about climate impacts and emergency preparedness accessible.		While Tacoma Pierce County Health Dept coordinates emergency messaging, no new efforts were developed in 2022. City funding for 2023-2024 was secured for enhanced community engagement.



## GREEN ECONOMY

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#26	BETTER RESOURCE USE	Recognize green business achievements.		Increased Tacoma presence and resources on EnviroStars webpage and began targeted outreach to businesses. More City staff were trained on the program goals and platform.
#30B	BETTER RESOURCE USE	Incorporate green and equity elements into land development.		No new Development Agreements were approved in 2022.
#33	BETTER OPPORTUNITIES	Partner to retrain the workforce for well paying jobs in the green economy sector.		Community and Economic Development won a brownfields training grant to be implemented by Clover Park Technical College.
#35	BETTER OPPORTUNITIES	Use business taxes to encourage businesses to create more green job opportunities.		No action was taken on this item.
#36	BETTER OPPORTUNITIES	Amend industrial zoning codes to encourage low carbon, resource-efficient, resilient, and businesses.		Tideflats Subarea Plan, which includes evaluation of zoning and development standards to support green economy, is expected for adoption in 2024. South Tacoma Economic Green Zone is identified as a potential future planning work program item, subject to receiving sufficient funding.

## GREEN ECONOMY

#	THEME	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#37	BETTER OPPORTUNITIES	Research, identify, and prepare to recruit green industries and jobs that fit Tacoma.		A draft Strategy was received in December and is being finalized in 2023.
#38	BETTER OPPORTUNITIES	<b>JUMP START ACTION</b> Increase City staff capacity to grow green economy partnerships and resources.		City Council approved the Green Economy Specialist position as part of the 2023-24 budget.

## MUNICIPAL CARBON NEUTRALITY

#	CATEGORY	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#1	FLEET & FUELS	Develop and publish quarterly report on fleet and fuel metrics.		Tableau dashboard suite established with quarterly reporting of fuel use, fleet inventory by engine type, and includes tab for Hybrids and Plug-in EVs.
#2	FLEET & FUELS	Expand bulk renewable fuel delivery at city facilities to the greatest extent needed.		R99 (Renewable diesel) storage tanks identified. Fire budget includes purchasing R99 in 2023. Solid Waste Management investigating procurement path to switch collection trucks from compressed natural gas to low carbon Renewable Natural Gas.
#3	FLEET & FUELS	Expand EV charging infrastructure at all City prioritized fleet sites.		Installed 32 workplace L2 charging plugs for employees and visitors. Tacoma Water installed 32 of 40 new fleet charging plugs, adding 15 plug-in hybrid vans. Developing EV Action Plan set for completion in 2023. Coordination underway for participation in WA Clean Fuel Standard environmental credits program.
#4	FLEET & FUELS	Increase funding for fleet capital budget to accelerate replacement with low emission vehicles.		Solid Waste Management continued conversion to compressed natural gas (CNG) collection trucks. With grant to support, 4 diesel trucks were converted to CNG. Funding not increased for 2023.
#1	BUILDINGS & INFRASTRUCTURE	Implement energy saving O&M policies, procedures & guidelines for each key facility/facility type.		No progress to date. Staffing resources unavailable.
#2	BUILDINGS & INFRASTRUCTURE	Develop Opportunity Register for each facility with natural gas.		Staff completed LED lighting retrofit in Solid Waste Management Admin Bldg. Ongoing energy system refinement at Center for Urban Waters. Public Works is address energy saving related end-of-life equipment, including natural gas to electric heating upgrades.

## MUNICIPAL CARBON NEUTRALITY

#	CATEGORY	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#3	<b>BUILDINGS &amp; INFRASTRUCTURE</b>	Building Tune-ups - one building per department providing facility management services. Systematic process completed once every 5 years.		Public Works facility staff increased tune-up capacity through completion of 6-month Building Operator Certification, Level II training.
#4	<b>BUILDINGS &amp; INFRASTRUCTURE</b>	Complete assessment on largest facilities with largest Natural Gas loads for conversion or replacement opportunities.		Energy retrofit projects initiated in 3 buildings at Tacoma Venues & Events facilities with large natural gas loads. Building electrification engineering analysis completed for Police Fleet Warehouse with aging Natural Gas heating. Municipal Facilities Decarbonization Study underway with focus on assessment and recommendations for buildings with large natural gas loads.
#5	<b>BUILDINGS &amp; INFRASTRUCTURE</b>	Dedicate funding for efficiency, resiliency, and decarbonization in existing and replacement facilities.		4 new positions in Public Works and Environmental Services funded in 2023-2024 biennium budget. Tacoma Public Utilities established Fleet and Facilities Analyst. HVAC Natural Gas to Electric Heat Pump retrofit for 3 buildings completed. Tacoma Dome arena's existing HID lighting replaced with LEDs and networked controls.
#1	<b>INVESTMENTS</b>	Internal carbon pricing – shadow or real.		No progress in 2022, but hope to research and test GHG accounting for internal projects in 2023.
#1	<b>PURCHASING</b>	Develop and incorporate contractor fuel emissions reduction standards into bids and contracts.		Staff across departments, including Equity in Contracting, will work together in 2023 to develop strategy and recommendations for action.
#2	<b>PURCHASING</b>	Develop a City Sustainable and Healthy Meeting policy that prioritizes low greenhouse gas generating foods, delivery, and meeting access.		Sustainable and Healthy Meeting Guidelines created and published on internal City webpage. Communicating to all staff about this new resource ongoing and expanding in 2023.
#3	<b>PURCHASING</b>	Develop and implement large venue waste reduction program and actions.		Large venues will be included in the waste characterization study scheduled for 2023 to establish baselines for making progress.
#1	<b>ORGANIZATIONAL CAPACITY</b>	Department Resource Conservation & Climate Plans created.		Dept plans highlighting 3 actions were developed, acted on, and reported progress for virtually all Departments. The goal is to build on the work and progress in 2023.
#2	<b>ORGANIZATIONAL CAPACITY</b>	Capital Projects inter-departmental team convenes to ensure all capital projects, including upgrades and maintenance, include sustainability review.		In 2022 staff from several departments met to discuss re-starting the Infrastructure Coordination/DIRT meeting. A kick-off meeting was held in January 2023 to discuss the charter for the meeting.

## MUNICIPAL CARBON NEUTRALITY

#	CATEGORY	ACTION SUMMARY	2022 PROGRESS	PROGRESS
#1	EDUCATION & ENGAGEMENT	Annual Directors Presentation/Training.		Annual training completed online with a focus on an overview of Climate Action Plan and Department specific opportunities and actions.
#2	EDUCATION & ENGAGEMENT	One City Stewards program - assemble inter-department, cross-functional team to participate in tours that showcase projects/facilities contributing to climate mitigation/adaption, and triple-bottom line sustainability.		No action in 2022, due to lack of management capacity.
#3	EDUCATION & ENGAGEMENT	Sustainability integrated into new employee orientation and onboarding.		On-demand training created and piloted. Full roll-out for all new staff and existing employees planned for mid 2023.