

*Serving our customers*

# CLIMATE ACTION PLAN

2025 TPU Update



# Agenda

- **Climate Action Plan (CAP) Overview**
- **2024 TPU Actions Update**
- **2025 TPU New Actions & Plan Updates**



- Better Tacoma in 2030 for Net-zero emissions in 2050.
- 2030 indicator targets for tracking progress towards Tacoma's net zero emissions by 2050 target to guide work over the next nine years.
- Each year we will develop a progress report and track 2030 Indicator Targets.
- Update Actions every 3-4 years
- 2025 update to the 2030 Climate Action Plan is required since the near-term actions for 2021-2024 have expired.

## Who is involved:

- Office of Environmental Policy and Sustainability
  - Kristi Lynett
- TPU
  - TPU: Rochelle Gandour-Rood
  - Power: Brittany Broyles
  - Rail: Casey Stoddard & Dan Knouff
  - Water: Tyler Cummings & Kaela Arellano
- Almost every other City department, especially PDS, ES, CED, PW, TVE
- The Climate and Sustainability Commission (formerly the Sustainable Tacoma Commission):
  - is to bring community accountability, transparency, and vigilance to the long-term implementation of Tacoma's 2030 Climate Action Plan

# 2030 Indicators

CATEGORY	BETTER STRATEGY	INDICATOR	2020	2030 TARGET
NATURAL SYSTEMS & LOCAL FOOD	BREATHING	Exceed national average per capita rate spent on tree care	\$1.57/capita	\$6.05/capita
		Increase tree planting and care in high heat, very low and low opportunity equity neighborhoods	--	25,000 trees planted
		Increase acres of actively managed open space ecosystem habitat by 24%. Protect 6% more acres.	76.35 acres managed 498 acres protected	94.5 acres managed 530 acres protected
	LIVING	Increase natural heat Island intervention projects in hottest neighborhoods by 100%	19 projects	38 projects
	TOGETHER	Increase the number of community food projects, including community gardens, food forests, orchards, farms, food rescue efforts, and farmers markets by 10%	85 projects	94 projects
BUILDINGS & ENERGY	LIVING	Reduce fossil fuel energy use from buildings by 33%	24 million MMBTU	16 million MMBTU
		Increase number of green certified: commercial buildings by 332% and housing units by 247%	43 commercial certifications 2,039 housing units certified	143 commercial certifications 5,039 housing units certified
		Increase number of preserved housing units and new affordable units created	--	2,300 affordable housing units preserved 6,000 new units created



# 2030 Indicators

CATEGORY	BETTER STRATEGY	INDICATOR	2020	2030 TARGET
MOBILITY & LAND USE	LIVING	Eliminate fatalities and serious injuries from collisions by 2035 to achieve Vision Zero (reduce by 66% by 2030)	92 fatalities/serious injuries	31 fatalities/serious injuries
	BREATHING	Increase public electric vehicle charging locations by 5 times, especially in low and very low opportunity equity neighborhoods	40 locations city-wide 23 in low and very low opportunity areas	200 locations city-wide, 125 in low opportunity areas
	LIVING	Increase bicycle infrastructure miles by 80%	78 miles	140 miles
		Increase miles of sidewalks by 14%	969 miles	1,105 miles
		Increase number of ADA-compliant curb ramps by 78%	6,000 ramps	10,667 ramps
		Increase City of Tacoma active transportation and transit staffing to reach League of American Bicyclists gold-level staffing target	2 staff	7 staff
		Increase compact, complete, walkable neighborhoods		80% of residents live in a 20 minute neighborhood
CONSUMPTION	RESOURCE USE	Decrease per-capita waste generation by 14%	4.8 lbs/capita	4 lbs/capita
		Increase metric tons of GHGs from diverted materials from Recycling and Recovery Center by 17%	7,288 MTCO <sub>2e</sub> diverted	8,527 MTCO <sub>2e</sub> diverted
GREEN ECONOMY	RESOURCE USE	Increase number of EnviroStar businesses by 5x	19 businesses	100 businesses
	OPPORTUNITY	Increase number of green jobs (as measured by tax credit) by 10x	25 jobs	250 jobs
GOVERNANCE AND ENGAGEMENT	TOGETHER	Community-led climate equity projects and programs		\$1,000,000 funded

Overall, CAP had 66 actions to track for 2024.

TPU led or co-led the work on 7 of these actions:

- 5 Completed
- 1 Good Progress
- 1 Little Progress\*

\*This is a Fleet action shared across departments; TPU was able to make better progress than some other departments. See following slides.

# 2024 Final Reporting – Water



## Water action:

Using data from new advanced water meter infrastructure, **communicate and educate residents and businesses about water consumption patterns** and probable leaks. Encourage and support timely leak repair.

## **2024 - completed**

100% of advanced water meters have been installed and paperless notifications of continuous water use is being implemented for customers. Forty property service lines were replaced through the grant and loan program.



## Rail action:

**Support zero emission technology innovation in the marine, trucking and rail sector.** a) Actively partner with NW Seaport Alliance and Port of Tacoma on projects b) Tacoma Rail demonstrates leadership by prioritizing air pollution reductions in new Strategic Plan and piloting innovative clean technology as available.

## **2024 – good progress**

Tacoma Rail advertised RFP TR24-0001F and TR24-0146F to acquire three zero-emission locomotives and the associated charging equipment. Projects will be awarded in 2025.

Tacoma Rail awarded grant for emission free battery-electric locomotives. Tacoma Power provided charging infrastructure engineering design.

# 2024 Final Reporting - Power



## Power actions:

1. **Provide support to Pierce Transit** to develop a zero-emission transit plan and help Pierce Transit compete effectively for state & federal funding opportunities.

**2024 - completed**

This action is completed. Pierce Transit developed their sustainability plan, and Tacoma Power supports their ongoing customer charging needs.

2. Support and prioritize federal and state funding for **electric vehicle and e-bike use** in low & very low opportunity neighborhoods.

**2024 - completed**

Launched Community Charging Program and are finishing installations of the downtown charging project.

- 19 utility owned parking locations: Level 2 and DCFC.
- TPU funded 5 new EV locations community owned.

3. **Include in 2024 Tacoma Power IRP analysis of a scenario consistent with the City of Tacoma's "Net-Zero Scenario"** to ensure adequate electricity supply for transportation electrification, electrification of building heating, and electrification of industrial process load. Include in the IRP any analysis from Tacoma Power's Transmission and Distribution Section investigating ways to upgrade or manage the distribution system to enable electrification.

**2024 - completed**

The Integrated Resource Plan was completed.

# 2024 Final Reporting - Fleet



## Fleet actions:

1. **Develop and publish quarterly report on fleet and fuel metrics**, including idling telematics, with breakouts by Department and Division. Sourced from City's databases including SAP.

### **2024 - completed**

Public Works and Tacoma Public Utilities completed their fuel reports. Several barriers exist to implementing idling telematics across the entire fleet, and these were not included in the metrics.

2. Increase funding for fleet capital budget to **accelerate replacement with low emission vehicles**.

### **2024 – little progress citywide, some progress for TPU**

Funding continues to be a challenge for non-Environmental Services General Government groups. Vehicle price increases have further eroded previous funding levels. Tacoma Public Utilities continued to expand its electric fleet.

TPU has replaced 12% of its on-road fleet with approximately 80 electric vehicles and has also electrified an additional 40 off-road units including watercraft, forklifts, and other specialized equipment.

We received \$1.725M in CCA funding to purchase an electric dump truck, mobile charging equipment, and on-campus DCFC infrastructure.

- Revision and updated Actions for the 2025–2027 Near-Term
- Due to limited funding or staff capacity, some Actions are now listed as Long-Term Actions in the 2025 Update.
- TPU has 6 Actions for 2025–2027

## **Near Term Actions**

- 20 actions to elevate and focus attention that demonstrate City leadership in '25-'27.

## Longer Term Actions

- Long term actions that are transformational and key but may need significant resources at this time.

## Departmental Actions

- Actions of individual City departments that further the City's climate, equity, and sustainability goals.

## Supporting Actions

- Actions where the City is not lead in implementation but has important supporting role

- **Reduce water usage during summer months** by informing the public through education, outreach and marketing. Reduce peak usage by 6.65% TW.
- **Ensure city buildings exceed compliance** with the WA Clean Building Performance Standard.
- Work with private and public partners to **advance residential, commercial, and industrial building solutions** by promoting energy-efficient upgrades, supporting funding for rental and income-qualified homes, and aligning repair and rehabilitation programs with healthy and efficient technologies.

- **Recognize green businesses** through a) Engaging directly about the EnviroStars green business recognition program, including through the City's contractor training, utility customer engagement, and business districts. Highlight certified businesses on City platforms, b) complete Tacoma Green Business Promotion video project.
- **Fleet Decarbonization Accelerator Program.**

Supporting Action:

- Support and partner to identify and implement **freight electric charging opportunities** throughout Tacoma's Manufacturing and Industrial Centers.



# Questions?