



# Sustainability Annual Report 2024

## ACTIONS IN MOTION

AC TRANSIT'S STRATEGIC PLAN CORE VALUE:

### Environmental Sustainability

*"Create a culture of environmental stewardship through the use of technologies, procedures, and policies that reduce the environmental impact of District operations and contribute to regional, state, and federal sustainability goals while supporting environmental justice in the communities most affected by the District's decisions."*



ENERGY  
AUDITS



BUS EV  
CHARGERS



EMPLOYEE  
EDUCATION



GHG INVENTORY  
PROGRAM  
RECOGNITION



EXPANDING  
COMPOST

# Introduction

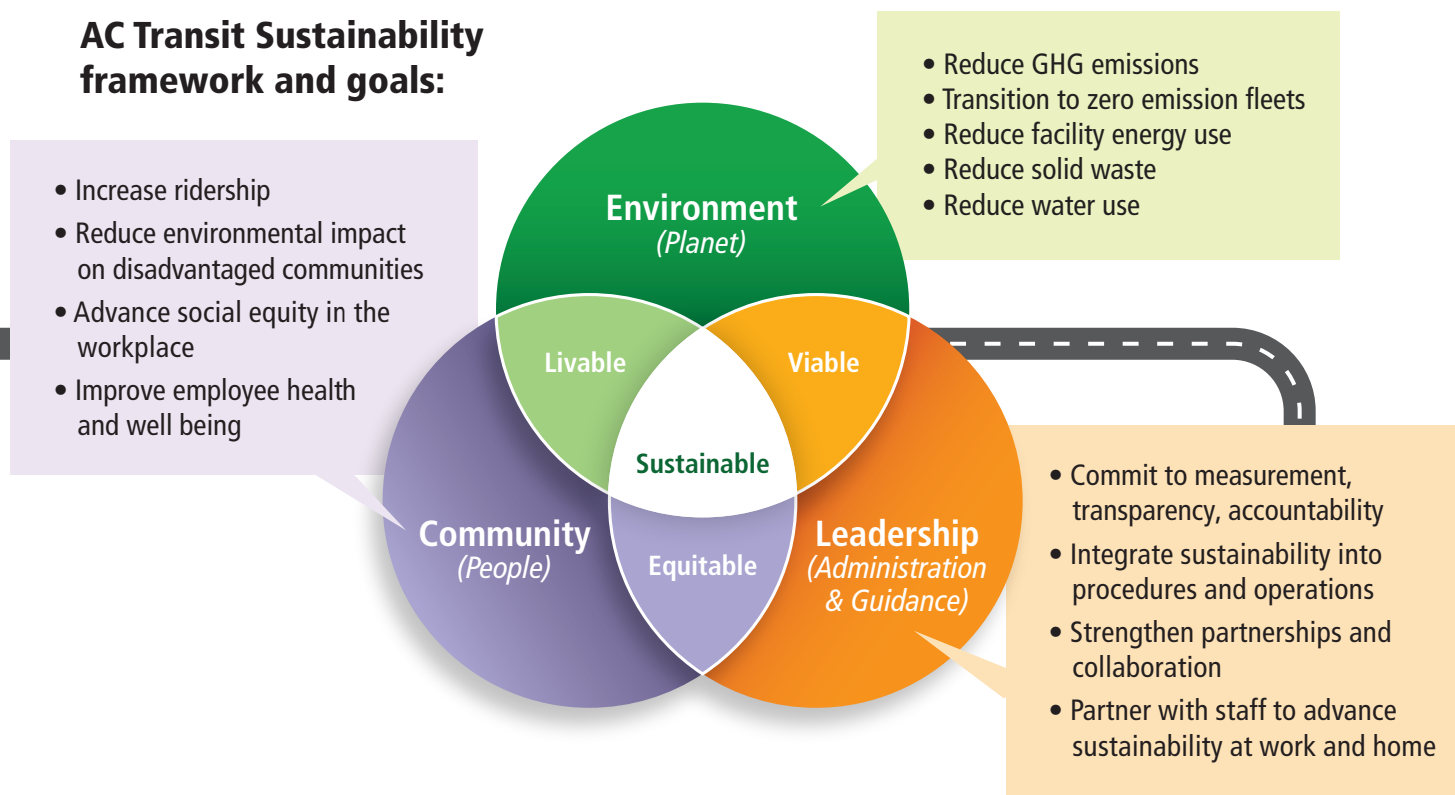
AC Transit has a long history of implementing sustainability practices, focused primarily on fleet conversion to zero emission buses. The District's Sustainability Program was first launched in 2004 with an Environmental Self-Assessment Report and continued with the completion of greenhouse gas emissions inventories between 2007–2010, as well as various public Sustainability Reports that summarized energy use, water use, and hazardous and operational waste.

AC Transit began implementation of the comprehensive Climate Action and Sustainability Plan, which provides the framework for implementing the District's sustainability program and summarizes the District's goals to improving sustainability performance.

AC Transit participates in the FTA Sustainable Transit for a Healthy Planet Challenge, APTA Sustainability Commitment, and is committed to annual GHG inventory verifications through The Climate Registry.

The purpose of this report is to provide a yearly summary that demonstrates the progress towards achieving the goals and targets outlined in the Climate Action and Sustainability Plan. Sustainability implementation continues to be a collaborative effort and includes the support of all Departments throughout AC Transit.

## AC Transit Sustainability framework and goals:

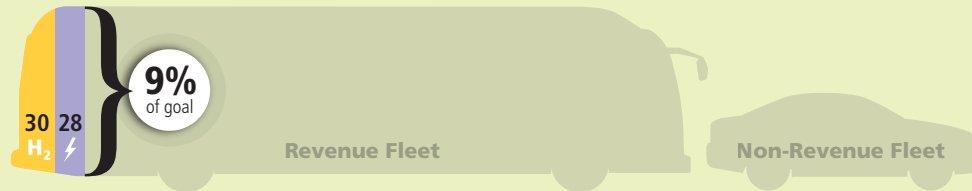


# Environmental Highlights

## Fleet Conversion (to ZEB)



**TARGET:** 100% Zero-Emission Buses and Non-Revenue Vehicles by 2040



**2024 HIGHLIGHT:**  
Installed new battery electric bus (BEB) charging infrastructure for 26 BEBs, including six resiliency charging positions.

## Facility Energy



2019 baseline

2030 goal

**TARGET:** Reduce energy usage by 25%



**2024 HIGHLIGHT:**  
Completed energy audits at all facilities.

## Waste



**TARGET:** Reduce municipal solid waste by 25%



**2024 HIGHLIGHT:**  
Implemented waste reduction strategies at internal events.

## Water



**TARGET:** Reduce water usage by 40%



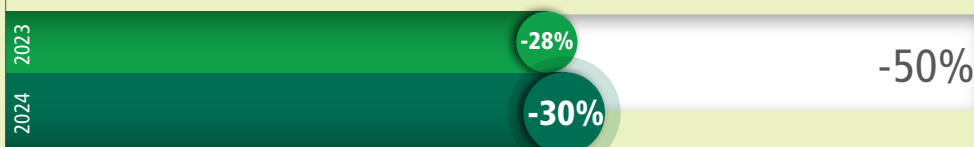
**2024 HIGHLIGHT:**  
Developed methodology to track bus wash water use, which is ~60% of total water usage.

## Climate Action (GHG Emissions)



2006 baseline

**TARGET:** Achieve 50% greenhouse gas (GHG) emission reduction



**2024 HIGHLIGHT:**  
Verified GHG inventories 2019-2022 through The Climate Registry.

over 90%  
of our emissions  
come from our fleet

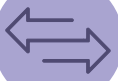
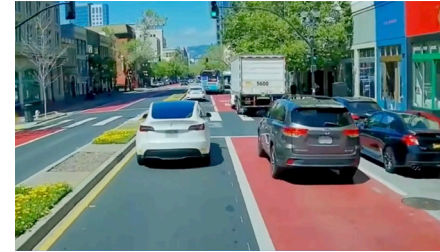
# Community Highlights



## GOAL:

### Increase Ridership

- Average weekday ridership **increased 7.9%** from last year.
- There were 3.97 million EasyPass boardings in 2024, a **18.7% increase** from the previous year!
- Implemented transit-priority improvements as part of the Rapid Corridors projects and installed AI-powered cameras to detect illegal parking at bus stops and bus-only lanes across our network to **improve safety and transit reliability**.



## GOAL:

### Reduce Environmental Impact on Disadvantaged Communities

- Adopted the **Realign service plan**, which will modify and reallocate service to best meet the needs of our riders.
- Developed campaign to promote Clipper Start resulting in a **158% increase** in Clipper START trips (provides a 50% discount intended to reduce the financial impact transportation has on low-income households).



## GOAL:

### Advance Social Equity in the Workplace

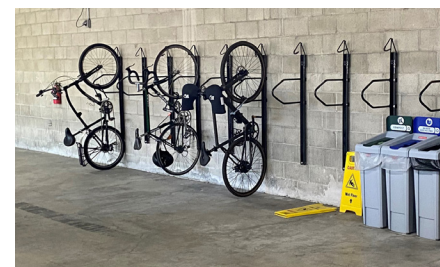
- Onboarded **202 new hires** and promoted **25 internal employees**.
- Partnered with Chabot College to convert the heavy-duty mechanic apprenticeship training program into a **fully accredited college program** on the Associate of Science degree pathway, including a Certificate of Completion.



## GOAL:

### Improve Employee Health and Well-Being

- Created an **employee well-being resources website**.
- Developed a bike infrastructure plan to ensure **designated bike parking** will be available at all AC Transit facilities for staff.





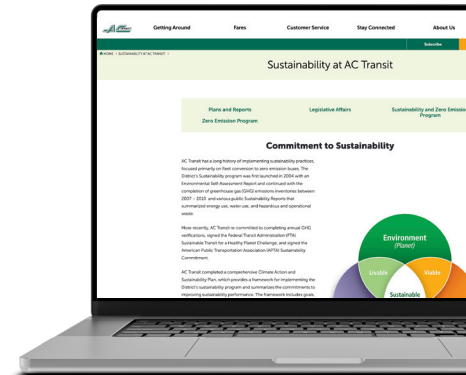
# Leadership Highlights



## GOAL:

### Commit to Measurement, Transparency, Accountability

- Released **Open Data Portal** to provide public access to key performance data, designed to make **public information accessible and usable** by a wide range of users, promoting transparency and community engagement.
- Revamped AC Transit's **sustainability webpage** which includes our commitment, links to plans/reports, and highlights internal operations and external community initiatives.



## GOAL:

### Integrate Sustainability into Procedures and Operations

- Developed **Sustainability Event Guidelines for internal events** and created a sustainability "store" with compostable products and "library" with reusable decorations to reduce waste.
- Switched all facilities to **100% renewable energy** through utility provider (California solar and wind).
- Participated in **FTA training workshop**: Environmental Management and Sustainability System (ESMS)



## GOAL:

### Strengthen Partnerships and Collaboration

- Signed the national **Equity in Infrastructure Project Pledge**, which supports contracting opportunities for Historically Underutilized Businesses through current District policies and processes.
- In collaboration with CARB and CALSTART, AC Transit hosted the first-ever "Generation Zero: Interactive ZEB Technology Experience," which was attended by **24 transit agencies and several industry experts**.
- Partnered with UC Berkeley** student academic club to develop methods to advance greenhouse gas emission inventory reporting.



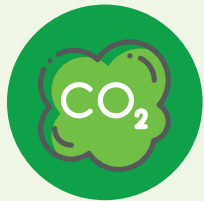
## GOAL:

### Partner with Staff to Advance Sustainability at Work and Home

- Hosted a **sustainability information booth** at the annual Bus Rodeo to promote best practices and integrated efforts to reduce waste.
- Created a monthly events calendar highlighting sustainability themed activities throughout the year.
- Inaugurated a monthly GoGreen! flyer**, which provides information for staff to apply sustainability best practices at work and home.



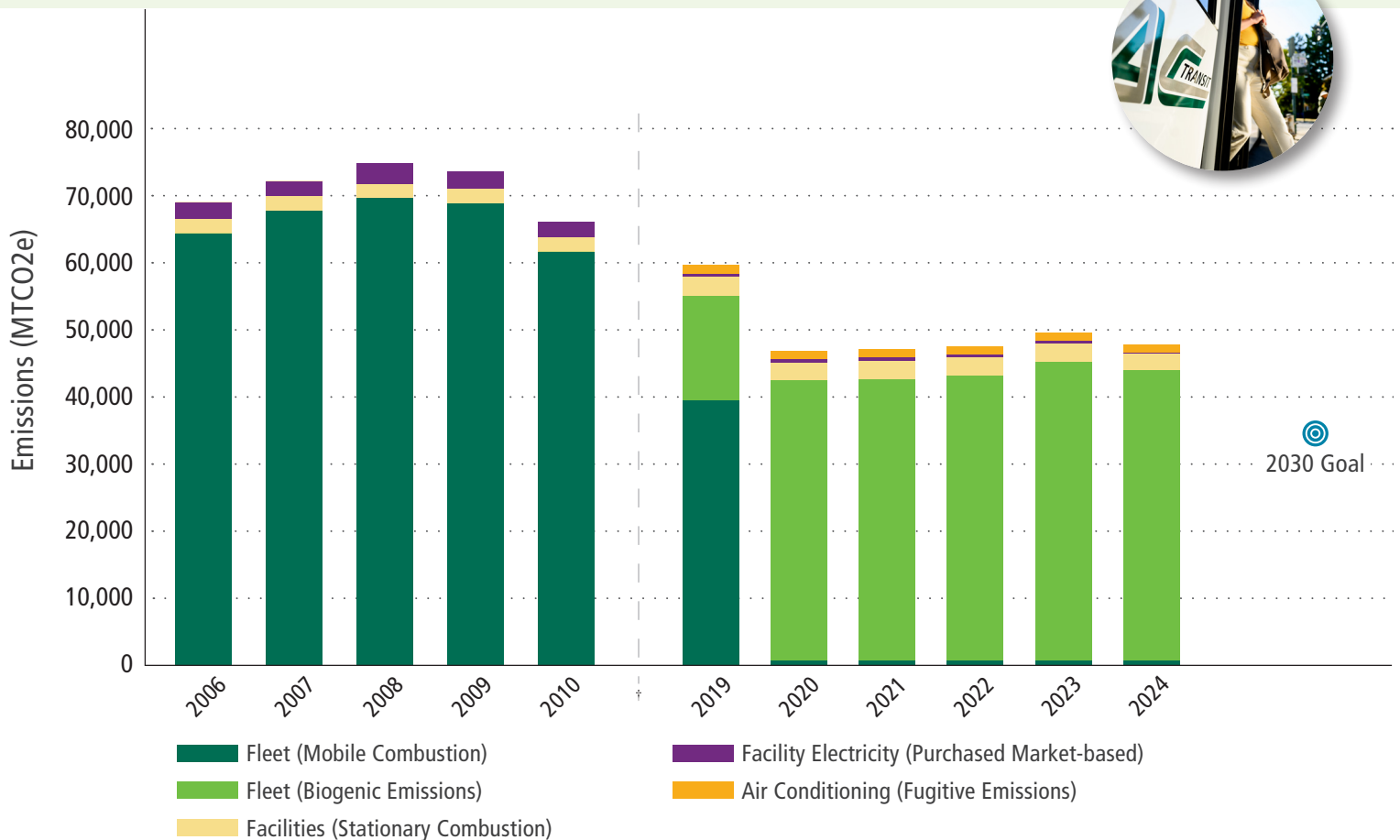
# Appendix: Environmental Performance



## Climate Action (GHG Emissions)

- Total GHG emissions = 48,061 MTCO<sub>2</sub>e
- GHG emissions decreased 2% over last year
- Achieved Climate Registered™ Accelerator Champion level with The Climate Registry

*In 2024, approximately 25,000 MTCO<sub>2</sub>e GHG emissions were avoided based on AC Transit riders taking the bus instead of driving a car (also known as mode-shift)!*



\* CCA = Community Choice Aggregation (provides pathway to procure renewable electricity)

† Note: AC Transit did not conduct inventories for 2011 through 2018; inventories for 2019-2023 have been verified by The Climate Registry, 2024 is currently under review.



## Priority Actions for 2025

- Complete 3rd party verification of GHG inventory for 2023 and 2024
- Include at least one Scope 3 emission for GHG inventory for CY2025

# Appendix: Environmental Performance

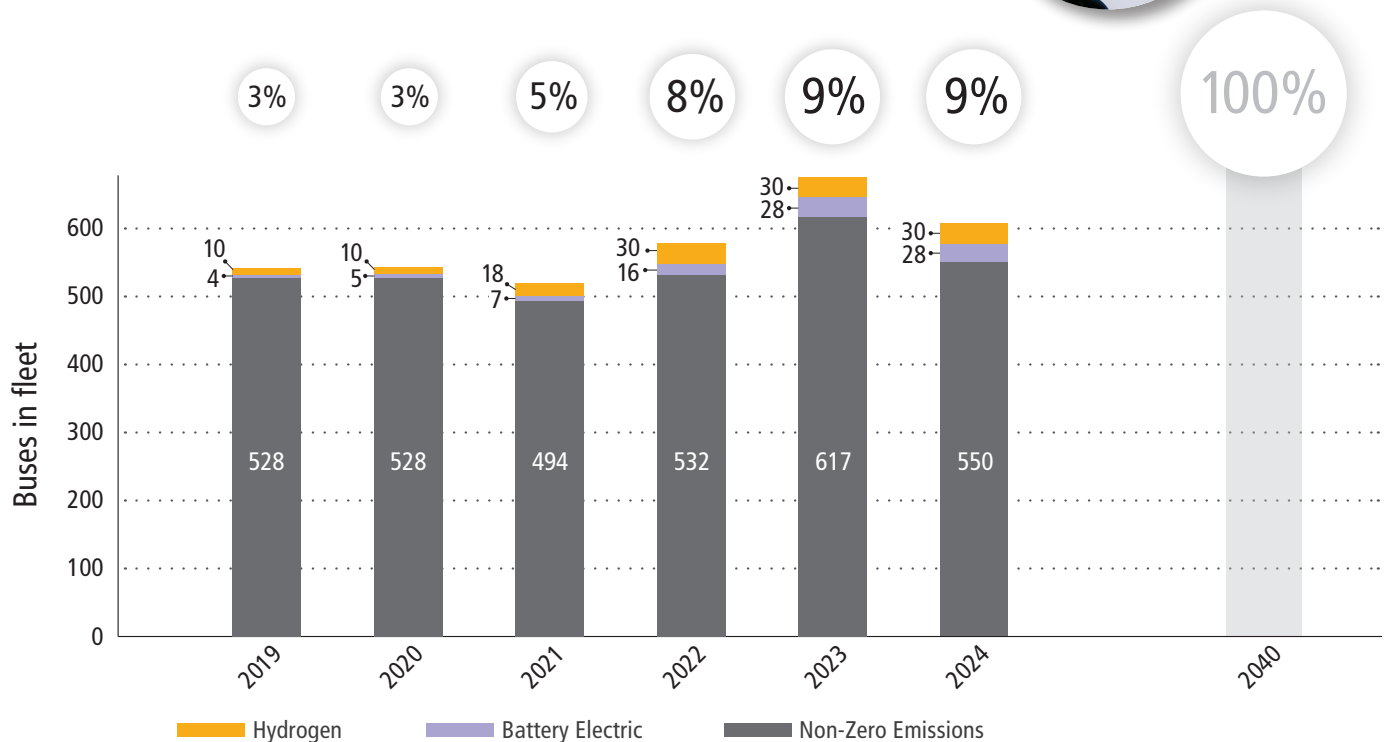


## Fleet Conversion

- Total Zero Emission Fleet = 58 (30 hydrogen and 28 battery electric)
- ZEB fleet remained the same over last year.

*Note: ZEB growth continues to be limited by manufacturer availability, cost, and support infrastructure*

*This is the first year AC Transit reached over 1 million miles traversed with a ZEB, which translates to cleaner air in our local communities!*



## Priority Actions for 2025

- Complete upgrades to hydrogen fueling stations at D4
- Complete non-revenue zero emission vehicle plan
- Continue to participate in ARCHES and identify and secure funding opportunities to expand ZEB

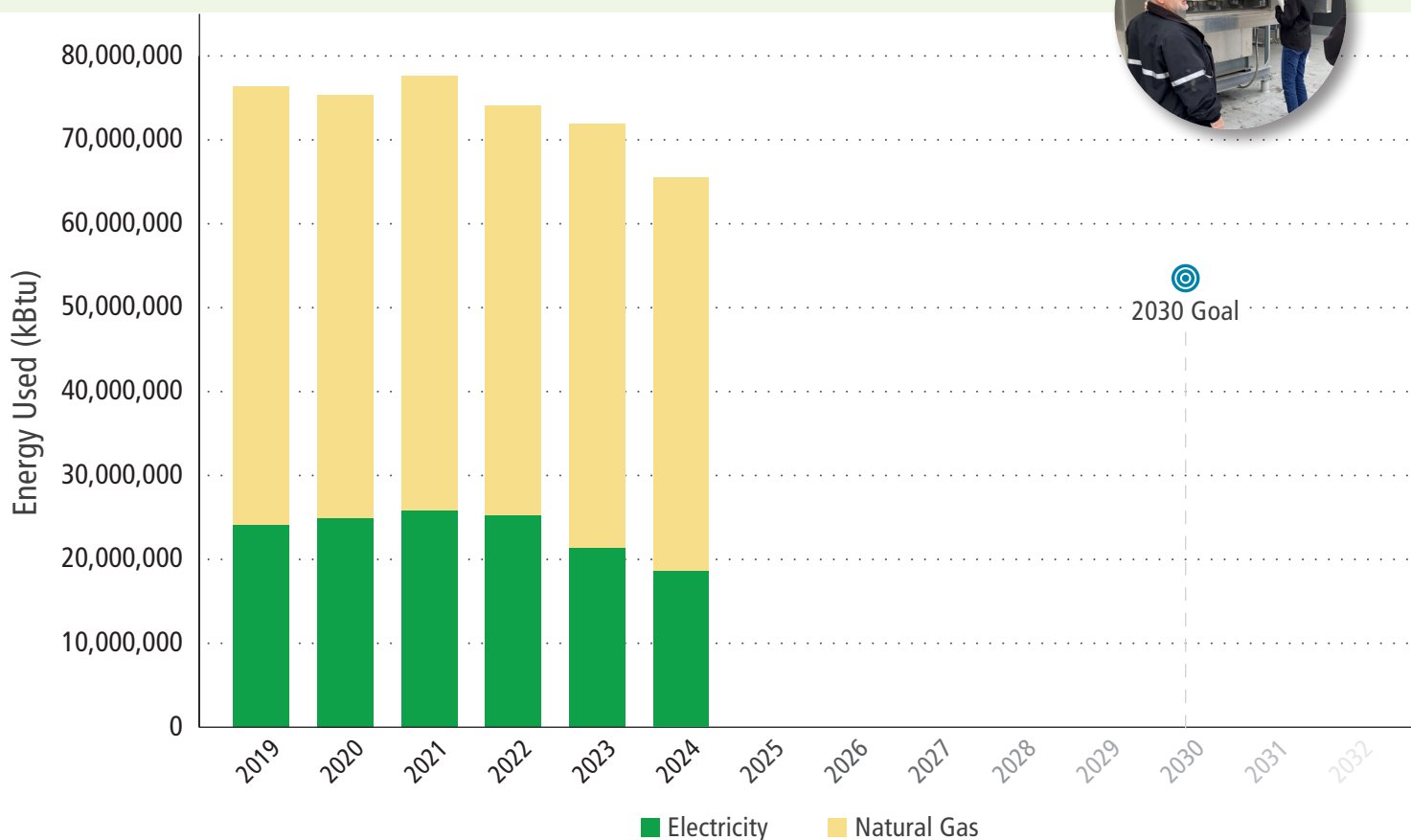
# Appendix: Environmental Performance



## Facility Energy

- Total energy used = 65,474,114 kBtu (includes electricity and gas)
- Energy usage decreased 8% over last year!
- Transitioned to 100% carbon-free electricity using California solar and wind

*The energy audits completed this year and implementation are resulting in significant energy (and cost) savings!*



\* [electrly.com/ev-charging-guide/tesla/how-many-kwh-to-charge-a-tesla](https://electrly.com/ev-charging-guide/tesla/how-many-kwh-to-charge-a-tesla)



## Priority Actions for 2025

- Complete all LED lighting upgrades
- Continue to implement recommendations from energy audits
- Continue to explore grant/rebate opportunities
- Enter into solar O&M

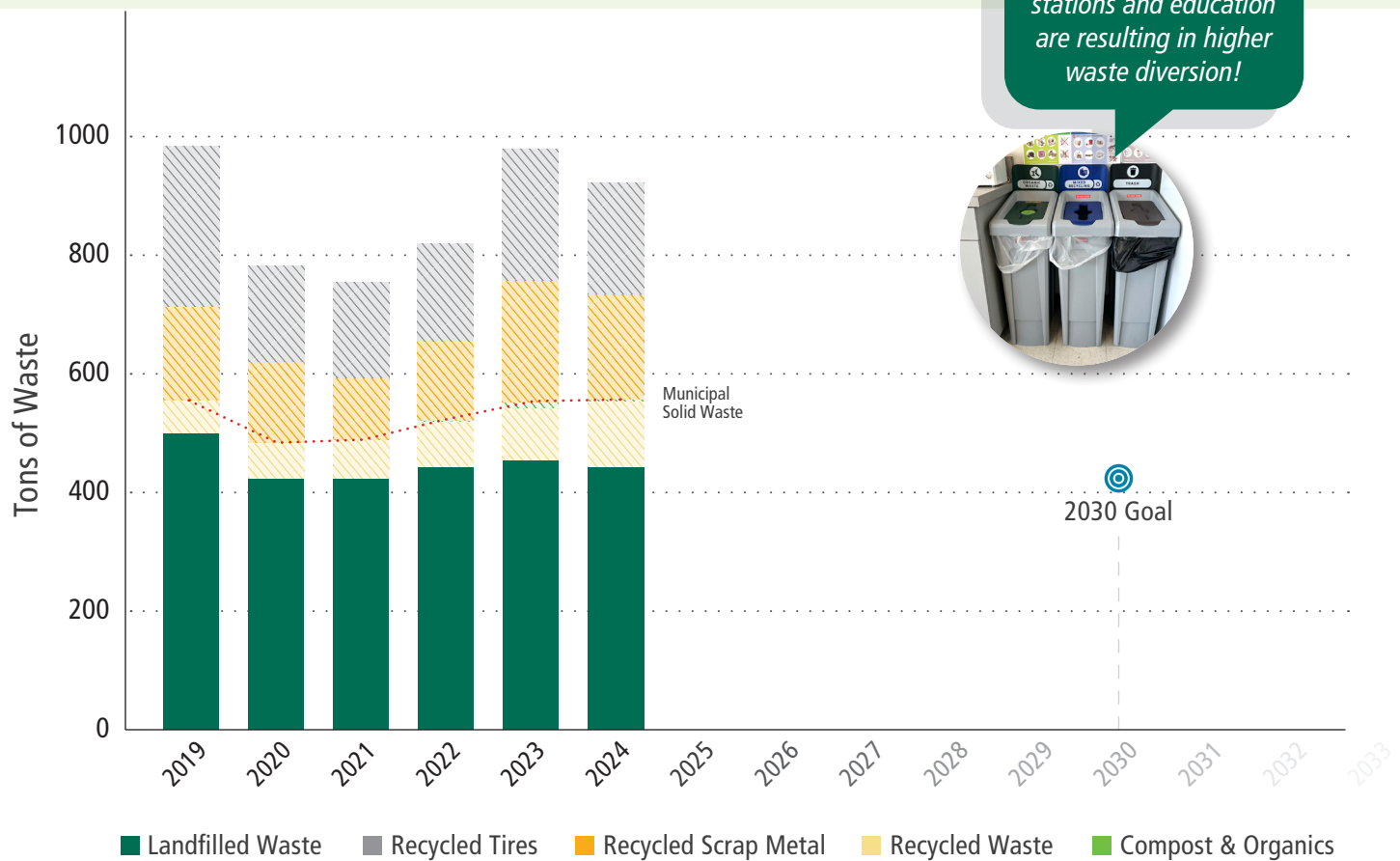


# Appendix: Environmental Performance

## Waste



- ALL solid waste = 923 Tons
  - Total solid waste decreased 6% over last year (less recycled tires and scrap metal)
  - Total solid waste diversion = 52%
- MUNICIPAL solid waste only = 557 Tons (including trash, recycling, compost)
  - Total municipal solid waste stayed the same over last year
  - Total municipal solid waste diversion = 20%



## Priority Actions for 2025

- Continue to support education, training, and outreach for both janitors and staff
- Improve e-waste collection
- Continue efforts to provide compostable foodware at staff events
- Set up virtual waste training for all staff in Learning and Development
- Continue to explore grant/rebate opportunities

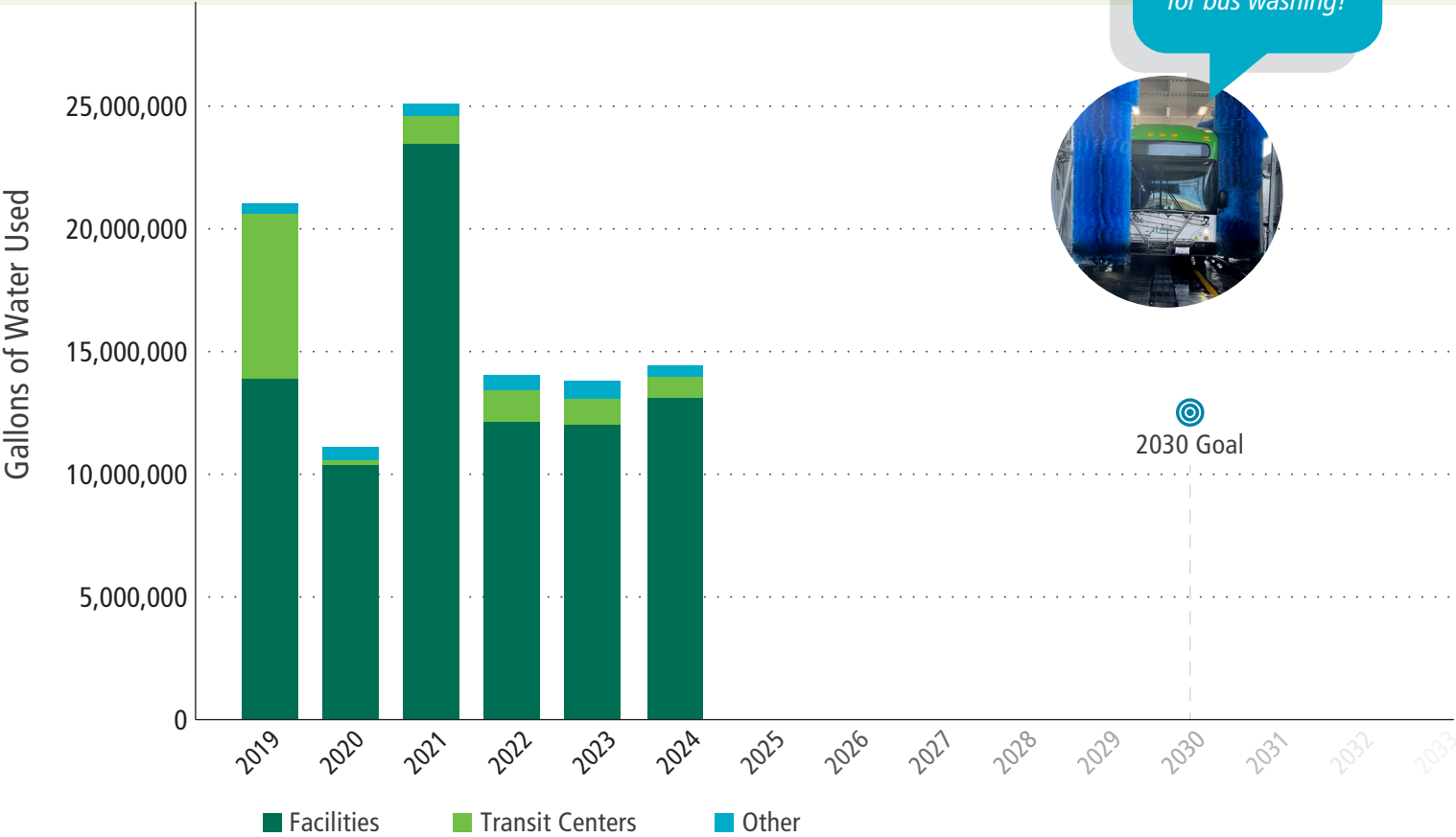
# Appendix: Environmental Performance



## Water

- Total water used = ~14.5 million gallons
- Water usage increased 5% over last year (water main break at one facility)

After a deeper dive of AC Transit's water use, it was determined that over 60% is used for bus washing!



## Priority Actions for 2025

- Complete water audit at each facility
- Identify bus wash water conservation efforts
- Explore grant/rebate opportunities