

Sustainability Progress Report

Executive Committee

9/19/2024





Sustainability Progress Report

Agenda

- Sustainability Program overview
- 2019 Sustainability Plan progress
- 2023 Sustainability Highlights
- Next steps



Sustainability Goals & Targets

Sustainability Priorities
(People, Planet, Prosperity)

6
Long-Term Goals
2050



45
Short-Term Goals
2019 – 2024



Sustainability
Targets
(Annual Work Plan)

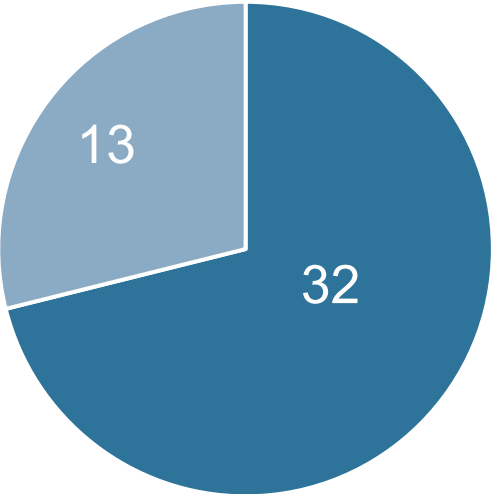
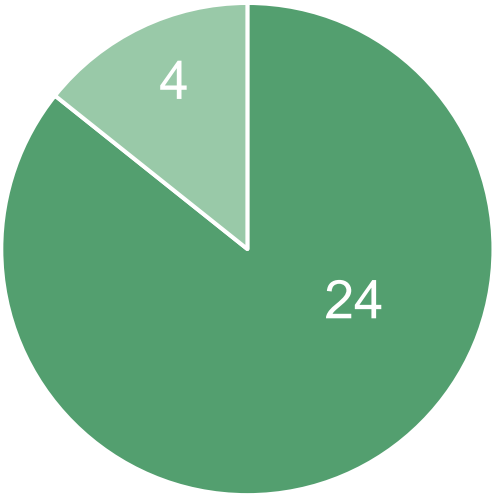
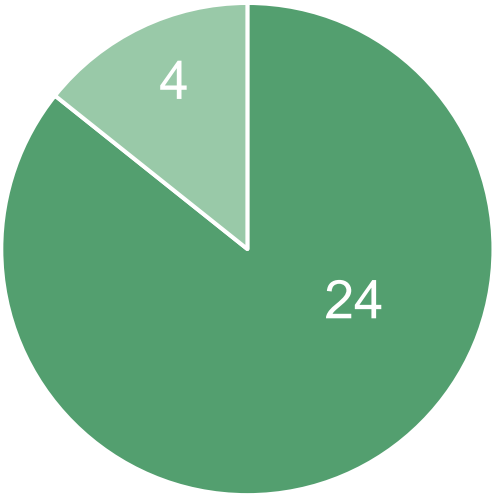
All goals and data are compared to 2018 baseline






Sustainability Long-term Goals - 2050

PEOPLE	PLANET	PROSPERITY
<p>Social equity addressed and implemented as an agency value</p>	<p>Achieve carbon free operations</p> <ul style="list-style-type: none"> • Electricity (facilities & light rail by 2030) • All fleets by 2050 	<p>Build resilience to climate change and natural disasters</p>
<p>All staff champion sustainability</p>	<p>Enhance ecosystem functions</p>	<p>Maximize operational efficiency</p>

Goals and Targets Status

2019 – 2024 Short Term Goals <i>71% are complete</i>	2023 Sustainability Targets <i>86% are complete</i>		
 <p>A pie chart with two segments. The larger segment is dark blue and labeled '32'. The smaller segment is a lighter shade of blue and labeled '13'.</p>	<p>Examples:</p> <ul style="list-style-type: none">• Reduce greenhouse gas emissions by 10%• Determine battery electric bus feasibility for ST bus services• Divert 50% of office waste to recycling or compost	 <p>A pie chart with two segments. The larger segment is dark green and labeled '24'. The smaller segment is a lighter shade of green and labeled '4'.</p>	<p>Examples:</p> <ul style="list-style-type: none">• Purchased first battery electric truck• Integrated climate resiliency into design requirements• Begin bus procurement for Stride, the agency's first battery electric bus fleet
 <p>A pie chart with two segments. The larger segment is dark green and labeled '24'. The smaller segment is a lighter shade of green and labeled '4'.</p>	<p>Examples:</p> <ul style="list-style-type: none">• Purchased first battery electric truck• Integrated climate resiliency into design requirements• Begin bus procurement for Stride, the agency's first battery electric bus fleet		

2023 Performance - People

Short-term goal	KPI	2023 Value	Status
Build staff awareness to integrate equity	% of staff trained in equity and inclusion	<ul style="list-style-type: none"> • 97% - EEO • 74% - Implicit Bias • 51% - Inclusion 	
Meet or exceed workforce diversity goals for construction contractors	% of hours worked by diverse communities on ST job sites Goals: <ul style="list-style-type: none"> • 21% by people of color • 12% by women • 20% by apprentices 	<ul style="list-style-type: none"> • 40% by people of color • 8% by women • 16% by apprentices 	
Certify key staff to green design professional accreditations	# of staff trained to sustainable professional accreditations	<ul style="list-style-type: none"> • 48 Envision • 12 LEED Accredited 	



Short – Term Goal Highlights **People**

Committing to Equity in 2023:

- Hosted third Equity Summit
 - Theme: “It Starts With Us”
 - 450 staff attendees
- Percentage of staff attending equity trainings increased significantly compared to 2018 baseline

2023 Data Spotlight - People

Supporting affordable housing



266k SF.

Office space
construction
started



4

Groundbreaking
celebrations



2

Sites awarded
to affordable
housing
developers



\$3.9 Million




In grants
awarded for
TOD



486

Homes
opened

2023 Performance - Planet

Short-term goal	KPI	2023 Value*	Status
Reduce GHG 10% from 2018 baseline	Reduction in greenhouse gas emissions	34% reduction	
	Reduction in criteria air pollutants	Ranges from 5% increase to 30% decrease	
Reduce total water use 10% from 2018 baseline	Reduction in agency water use	16% decrease	

* Compared to a 2018 baseline value

Short-Term Goal Highlights - Planet

Achieving carbon-free operations and enhancing ecosystem services in 2023:


- Began using renewable diesel in ST Express buses operated by Pierce Transit, significantly reducing SOx emissions
- Installed water reduction technologies at 7 sites, decreasing water usage 16%



2023 Data Spotlight - Planet

Taking transit avoids emissions


- ST services offset significantly more GHGs than agency operations
- 12% more emissions were avoided compared to 2022
- In 2023, the agency avoided the emissions avoided equivalent to:



Burning over 21 million gallons of gasoline.






Providing electricity for nearly 43,000 homes for a year.



The carbon captured by growing three and a half million tree seedlings for 10 years.

2023 Performance - Prosperity

Short-term goal	KPI	2023 Value	Status
Conduct a Climate Vulnerability Assessment as part of each major system expansion project	% of projects that include Climate Change Vulnerability Assessments	Active CCVAs: <ul style="list-style-type: none"> • TDLE • WSLE and BLE • 1 Line Infill Stations 	
Divert 50% of office waste to recycling or compost	% of waste diverted	<ul style="list-style-type: none"> • 70% of office waste diverted • 39% of waste diverted agency wide 	
Include green methods or features in at least 75% of all new agency procurements	% increase in # and dollar value of procurements	<ul style="list-style-type: none"> • 19% of procurements - green methods • 58% dollar increase in procurements 	

2023 Short-Term Goal Highlights - Prosperity

Prioritizing Green Building

- Design standards revised to require **LEED for Transit - Gold** (facilities projects) and **Envision - Platinum** (corridor projects)
- Bus Base North Admin building designed to **LEED Platinum** (certification forthcoming)
- **Reduced embodied carbon** from concrete 30%+ at Puyallup garage project; additional Sounder South garage projects require 30% reduction



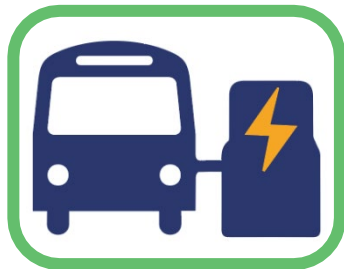
2023 Data Spotlight - Prosperity

Sustainability projects *make* money

- Earned nearly \$1M from WA State Clean Fuel Standard program revenue

Sustainability projects *save* money

- Cohort of conservation projects **saved nearly \$1M in 2023** and more than \$8.5M over project lifetimes:



\$637K

Fleet Upgrade
Projects



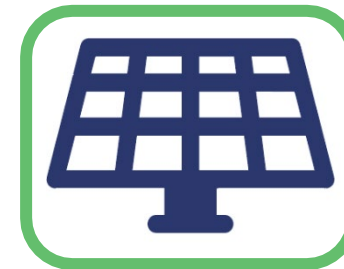
\$46K

Irrigation
Projects



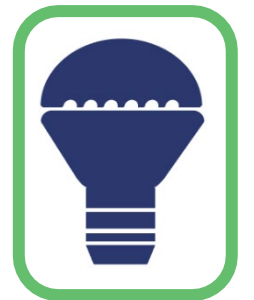
\$48K

Facilities
Upgrade Projects



\$13K

Solar
Installations



\$243K

LED Lighting
Upgrade Projects



Next steps

- Complete current goals and annual targets
- Implementation of fleet decarbonization strategies
- Quantifying the embodied carbon in agency activities
- Set future priorities in the Sustainability Plan (forthcoming, 2025)





Thank you.



 [soundtransit.org](https://www.soundtransit.org)

