



Sustainability Program Update and 2019 Plan Update

Citizen Oversight Panel

November 29, 2018

 **SOUNDTRANSIT**

Agenda

- Overview of Sustainability Program
- Highlights of 2017 progress
- 2019 Update of the Sustainability Plan



Sustainability at Sound Transit

- Core to Sound Transit's mission – *moving more people to more places*
- Efficiently, affordably, reliably, environmentally
- We help **People** move freely and affordably by providing regional transit service.
- We promote stewardship that conserves the **Planet's** natural environment
- We support community **Prosperity** by providing affordable mobility and access to opportunity

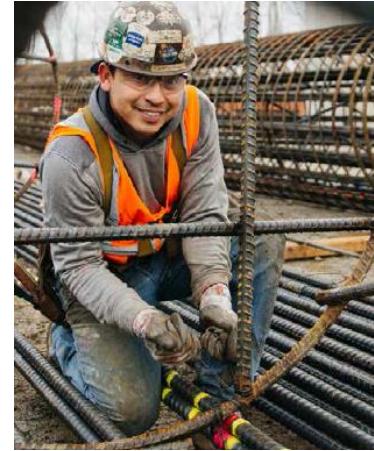


Overview - Sustainability

Sustainable Business Practices and strategies will be integrated throughout the Sound Transit organization, including planning, designing, constructing, operating existing and new transit systems and facilities. - Ex. Order No. 1, 2007

- 2004** - Board adopted Environmental Policy
- 2007** - Environmental and Sustainability Management System ISO certified
 - Board adopted Sustainability Resolution
 - Executive Order 1
- 2011** - 1st Sustainability Plan
- 2015** - Sustainability Plan Update
- 2016** - ST3 Plan affirmed Sustainability Plan goals, included dedicated funding

Overview - Sustainability



People - Planet - Prosperity

Sustainability Roles & Responsibilities

Across the agency

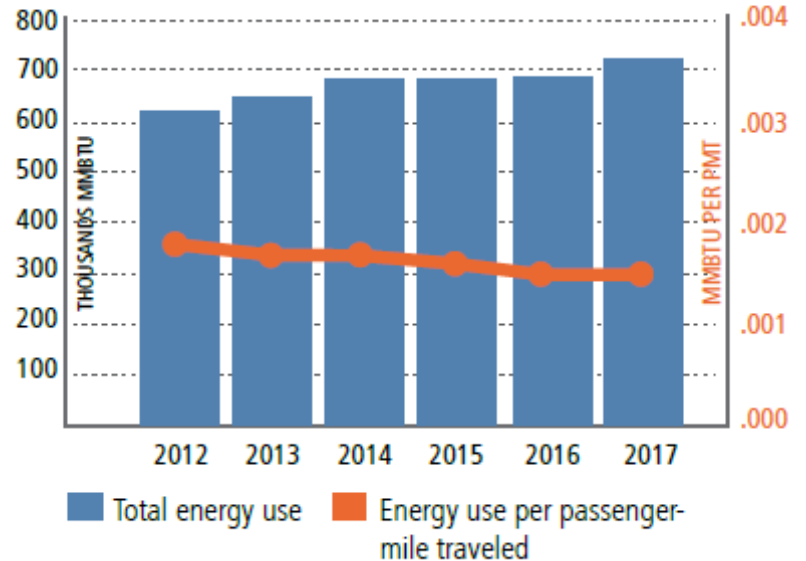
- Develop sustainability strategy and associated policies
- Annually monitor and report sustainability progress to board
- Administer Environmental and Sustainability Management System
- Provide technical expertise to all departments

2017 Highlight - Maximizing Efficiency

2017:

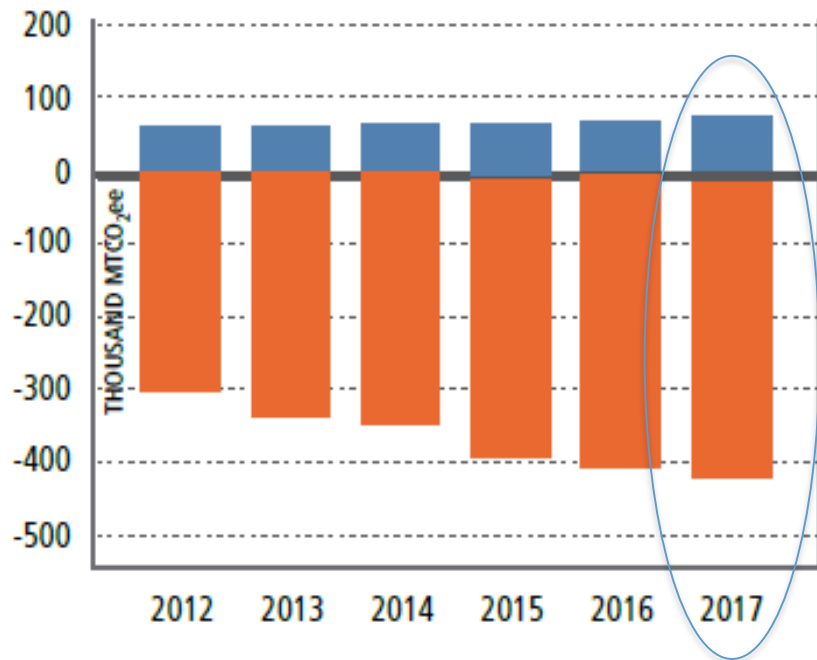
- Ridership increased 10%
- Energy used to move passengers = same as 2016

REVENUE FLEET ENERGY USE



2017 Highlight – Growing Regional Benefits

GREENHOUSE GAS EMISSIONS

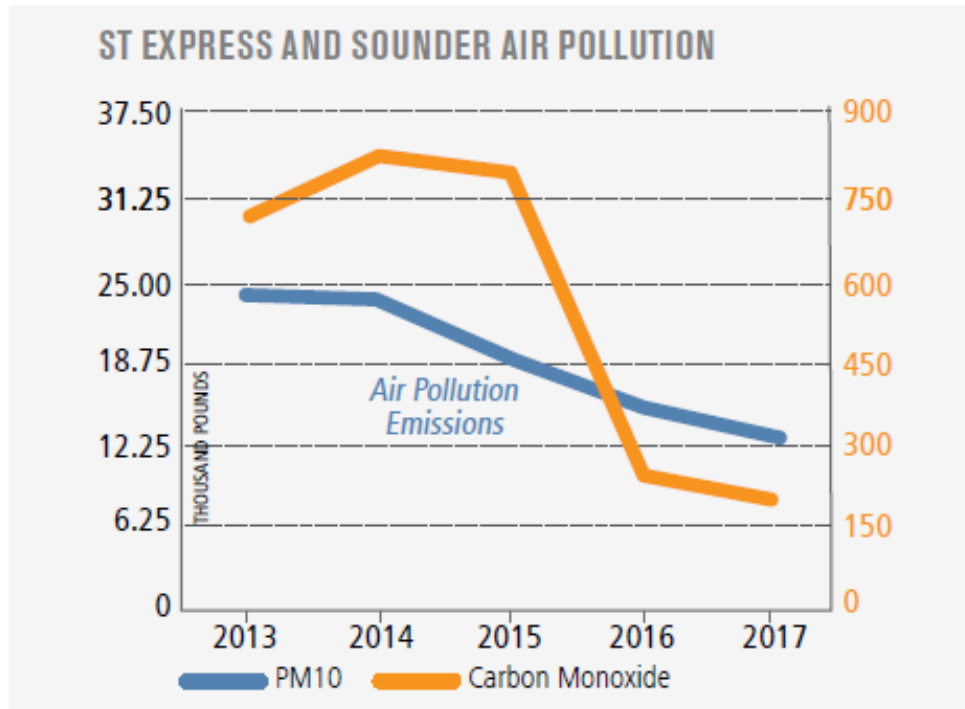


2017:
5 % more GHG savings than 2016

- Agency emissions from operations
- Regional emissions avoided when residents take transit

2017 Highlight - Pollution reduction

ST Express bus and Sounder upgrades

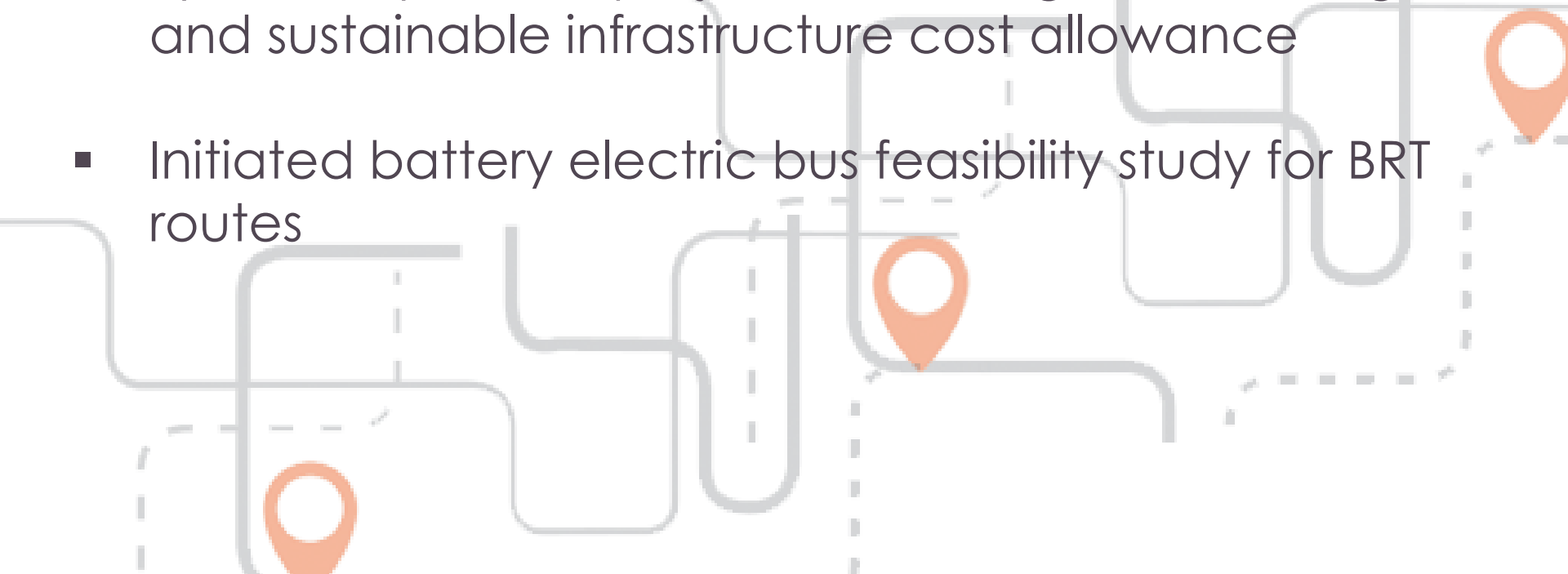


2017 Reductions

PM10 – 14%

CO – 20%

2017 Highlight - Planning

- System expansion projects include green building and sustainable infrastructure cost allowance
 - Initiated battery electric bus feasibility study for BRT routes
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2017 Highlight - Operations

- Resource Conservation Manager – establishing program to focus on energy efficiency projects
- PSE Green Direct Program Approved 100 % clean, wind energy for Link light rail starting in 2019.
Expanding participation with PSE and other utilities



2017 Highlight - Design & construction








- Angle Lake – first station to receive LEED certification (Gold).
- Piloting the ENVISION sustainable infrastructure standard.
- Requiring cleanest equipment used by prime contractors; restricting dirtiest equipment

Sustainability Plan Background

- Board Endorsed plan
- Sets long-term and short-term goals on agency-wide sustainability topics
- First Plan adopted in 2011
- Updated in 2015
- This update will span 2019-2024



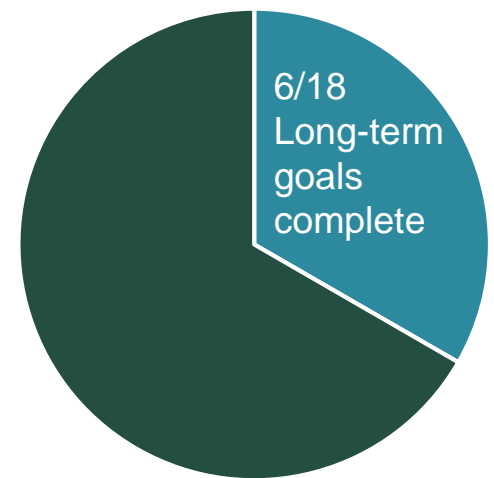
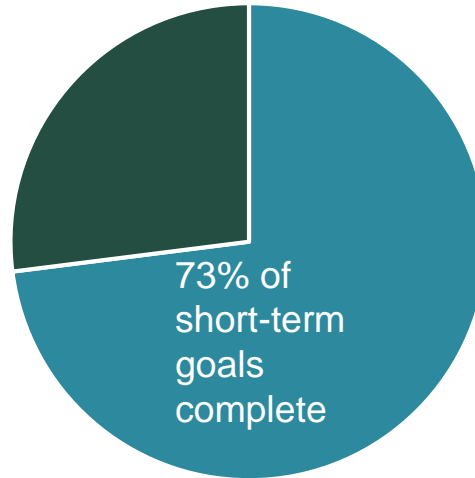
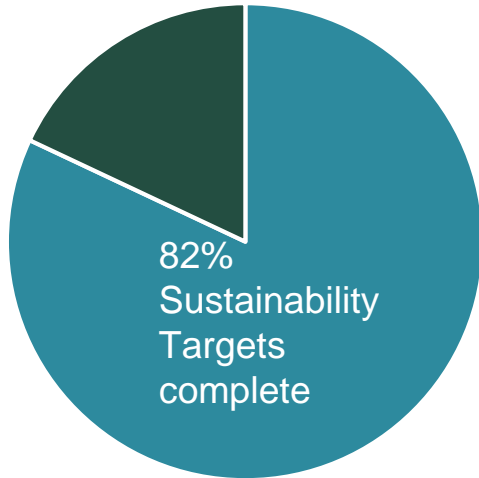
Meeting short-term sustainability goals

-  Reduce greenhouse gas emissions per vehicle by 5 percent.
-  Reduce vehicle pollution by 15 percent.
-  Decrease total energy use by 5 percent for all facilities built before 2015.
-  Divert 40 percent of office waste to recycling or compost.
-  Recycle 90 percent of construction and demolition materials.

 Work needed  On track  Goals met

* Data normalized by passenger miles traveled.

Progress Since the 2015 Plan



Progress Since the 2015 Plan



Recertified agency's
ESMS to the ISO
14001:2015 standard

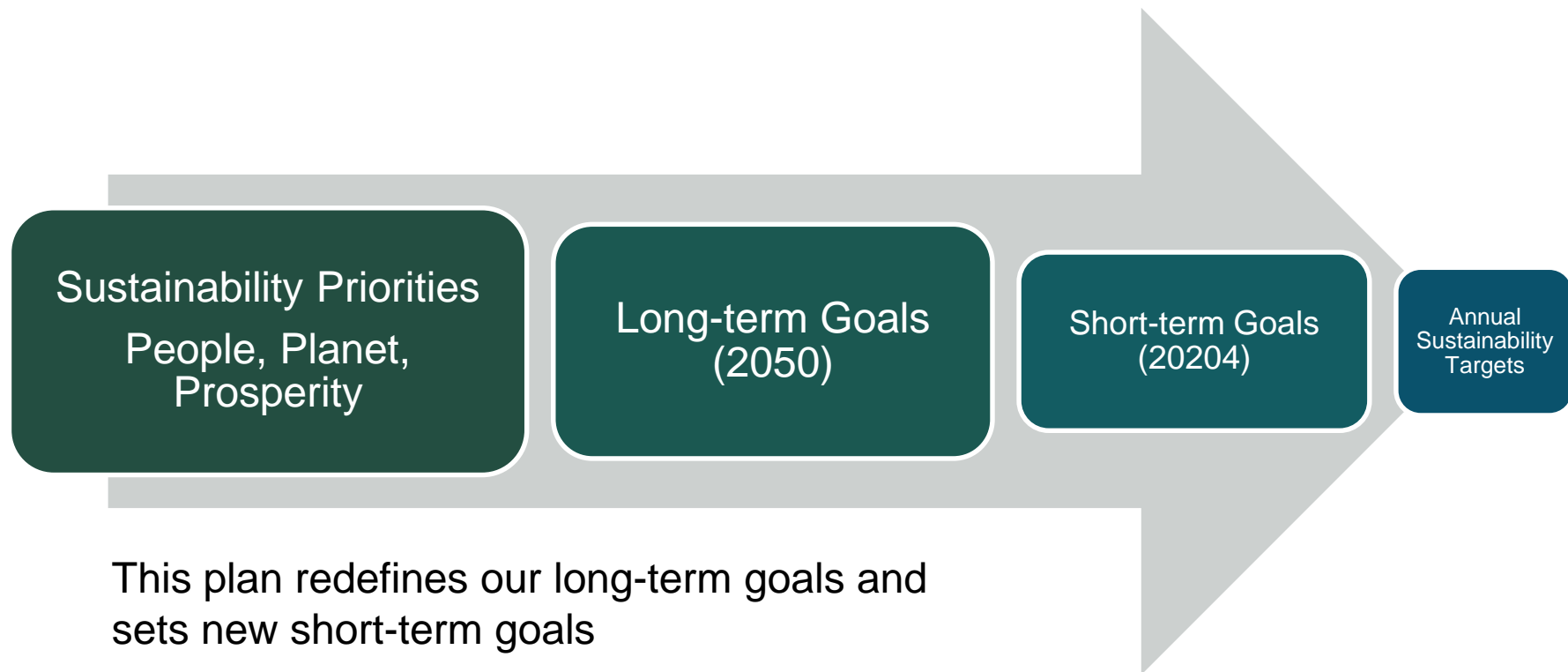


Achieved Platinum level
recognition from APTA's
Sustainability Commitment



Certified 3 facilities as
LEED green buildings

Prioritizing Agency Action



Sustainability Goals

Sustainability Priority: **PEOPLE**

Long-term (2050) Goal: **Social equity addressed and implemented agency-wide**

Examples of short-term (2024) goals:

- Create affordable home ownership opportunities on surplus properties
- Implement an Equity and Inclusion Policy, Strategy and Steering Committee
- Complete System Access Strategic Plan and adopt update to agency's System Access Policy

Sustainability Goals

Sustainability Priority: **PEOPLE**

Long-term (2050) Goal: **All staff champion sustainability**

Examples of short-term (2024) goals:

- Certify key staff to green design and building management professional accreditations
- Develop a program for agency staff to research new sustainability solutions
- Enhance compensation and performance management programs while providing equitable opportunity for advancement

Sustainability Goals

Sustainability Priority: **PLANET**

Long-term (2050) Goal: **Achieve carbon free operations**

Examples of short-term (2024) goals:

- Reduce greenhouse gas emissions by 10 percent
- Plan Sound Transit bus bases for convertibility to accommodate future zero-emission technologies
- Purchase all available cost-effective, carbon-free electricity

Sustainability Goals

Sustainability Priority: **PLANET**

Long-term (2050) Goal: **Enhance ecosystem functions**

Examples of short-term (2024) goals:

- Reduce total water use by 10% at all existing facilities and sites established before 2018
- Plan two projects to the LEED Platinum certification level for green buildings
- Establish corridor-specific resource conservation goals

Sustainability Goals

Sustainability Priority: **PROSPERITY**

Long-term (2050) Goal: **Build resilience to climate change and natural or manmade disasters**

Examples of short-term (2024) goals:

- Complete tri-county Threat Hazard Identification Risk Analysis and publish a Hazard Mitigation and Response Plan
- Update the Climate Adaptation Strategy to reflect current scientific data and regional design standards
- Conduct a Climate Resilience Assessment as part of each major capital project

Sustainability Goals

Sustainability Priority: **PROSPERITY**

Long-term (2050) Goal: **Maximize operational efficiency**

Examples of short-term (2024) goals:

- Implement sustainability design guidelines and processes for renovation projects
- Achieve paperless processes for all agency procurements and HR practices
- Include green methods or features in at least 75% of all new agency procurements

Next Steps

1. November – seeking external feedback
 - Transit Access Coalition
 - Citizen Oversight Panel
 - Agency partners
2. December – Incorporate feedback and reach final agency agreement
3. January – Seek full Board approval and publish plan
 - Communicate goals internally and externally





SOUNDTRANSIT
RIDE THE WAVE