Sustainability Vision Plan

Community Advisory Committee
Project Connect
March 10, 2022
Elements of the Plan

### Sustainability Vision Plan
- Establish vision statement, goals, guiding principles, action areas
- Align with CapMetro Strategic Plan and Project Connect Values; Provide a route map to APTA Sustainability Platinum Level; Align with FTA Sustainable Transit for a Healthy Planet Challenge
- Transparent to the community

### Internal Action Plans
- Set department-level sustainability goals and commitments; Aligned with budget cycle; Integrated with other plans –FMP, Fleet Transition; MetroBike Strategic Expansion
- Identify strategies and track action items
- Establish departmental leads and responsibilities

### Annual Report
- Report metrics and key activities
- Aligned with Strategic Plan (annual update and report; revisit and innovate 5-year cycle)
- Track APTA Sustainability Commitment
- Available to the community and stakeholders
Plan Implementation and Support

Proposed leadership structure

- **Sustainability Vision Plan (CapMetro Board)**
  - Adopt Sustainability Vision Policy Statement

- **Senior Management Team (Internal)**
  - Approve goals

- **Sustainability Leadership Committee (CapMetro & Project Connect)**
  - Implement Sustainability Vision Plan and Action Plans
  - Approve Sustainability Fund Projects
  - Led by Sustainability Officer

- **Sustainability Advisory Group (External)**
  - Regional sustainability partners: ATP, Austin Energy, Office of Sustainability, PARD, Austin Resource Recovery, Austin Water, Watershed Protection; Austin Bergstrom, Austin Economic Development, Austin Fleet Management, Travis County, CAPCOG
  - Guide implementation, collaboration, exchange knowledge and experience

- **Green Team and Sustainability Contractor**
  - Support leadership staff committee in implementation and communication efforts
  - Assist the Sustainability Officer in developing and coordinating plans and tools for implementation
## Regional Sustainability Efforts Guiding the Sustainability Vision Plan

### Climate Equity Plan
- Community-wide net zero carbon by 2040
- Support goal of 40% of total vehicle miles traveled electrified in Austin
- Buildings
  - All new buildings are net-zero carbon
  - 25% emissions reduction from existing buildings
- 30% natural gas emissions reduction, if relevant to Cap Metro facilities
- 40% reduction in embodied carbon footprint of building materials in construction
- Strengthen sustainable purchasing program, encourage employee engagement in sustainability activities
- 50% tree canopy cover achieved citywide by 2050

### Austin Zero Waste Plan
- Zero Waste by 2040 - reduce the amount of trash sent to landfills by 90%

### Water Forward
- Continued focus on water conservation and water use efficiency
- Using resources that are technically, socially, economically feasible
- Continue to protect Austin’s natural environment
### Summary of Austin Climate Equity Plan

#### Austin Climate Equity Goals

<table>
<thead>
<tr>
<th>Sustainable Buildings</th>
<th>Sustainability Vision Plan Goals/Targets (to be considered)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net zero carbon buildings/reduce emission from existing buildings</td>
<td></td>
</tr>
<tr>
<td>Reduce refrigerant leaks</td>
<td></td>
</tr>
<tr>
<td>Reduce embodied carbon footprint of building materials</td>
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<tr>
<td>Reduce water demand</td>
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#### Transportation and Land use

| 80% new non-residential in City’s activity center |  |
| Preserve housing units, new housing within 1/2 mile of activity center |  |
| 50% of trips in Austin -public transit, biking, walking, carpooling, work from home |  |

#### Transportation Electrification

| 40% of vehicle miles are electrified |  |
| Equitable distribution of EV charging |  |
| Region is leader in transportation electrification |  |

#### Food and Product Consumption

| Access to a sustainable food system |  |
| GHG from government purchasing reduced by 50% |  |
| Zero waste |  |

#### Natural Systems

| Protect natural lands as carbon pools and for resilience |  |
| Protect farmland |  |
| 50% tree cover with a focus on equitable tree cover |  |
| All City owned lands under a management plan to reduce carbon and maximize benefits |  |
## 2020 APTA Scorecard Summary

### Indicator

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2%</th>
<th>5%</th>
<th>10%</th>
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</thead>
<tbody>
<tr>
<td>Energy Usage: Electricity</td>
<td></td>
<td></td>
<td>- 34 %</td>
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<tr>
<td>Water Usage</td>
<td></td>
<td></td>
<td>- 14 %</td>
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<tr>
<td>Waste</td>
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<tr>
<td>Recycling Level</td>
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<td></td>
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<tr>
<td>Energy Use: Fuel</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Criteria air pollutant emissions</td>
<td></td>
<td></td>
<td>- 63 %</td>
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<tr>
<td>Greenhouse gas emissions</td>
<td></td>
<td></td>
<td>- 32 %</td>
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<tr>
<td>Greenhouse gas (GHG) savings</td>
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**APTA Platinum Level requires:**
- 2 indicator reductions at 10%, 2 at 5%, and all others at 2%
- Commitment to 2 at 20%; 2 at 10%; all others at 5%
- 40 action items (activities); 6 stretch goals; commitment to 3 additional

**Capital Metro is currently at the Gold Level**

Note: Sustainability indicator % changes are normalized by annual revenue vehicle miles traveled, except for recycling level
Sustainability Vision Plan Framework

Consistent with CapMetro Strategic Plan and Values (Safety, Innovation, Equity, and Sustainability)

- Vision Statement
- Strategic Values for Sustainability Vision
  - Equity
  - Climate Resiliency
  - Sustainability Valuation
- Overarching Goals
- Action Areas
- Action Plan Structure
  - Targets
  - Strategies
  - Tasks
Sustainability Vision Plan Structure

Sustainability Vision Plan

Action Areas/Action Plans

Energy: Conservation, Efficiency, Renewable
Sustainable and Zero Emission Fleet
Zero Waste, Natural Resource Management
Water and Natural World
Active Transportation
Green Building and Infrastructure
Environmental and Sustainability Management

Staff Action Plans will contain specific owners, strategies, timelines and metrics.
To build and operate sustainable transit infrastructure that keeps communities connected, protects and restores our natural systems and environment, and helps grow a vibrant local economy.
CapMetro's Sustainability Vision Plan Goals

- **GHG/Carbon Neutral Goal:** Carbon Neutral by 2040, consistent with Austin Climate Equity Plan.

- **Zero Waste Goal:** 90% reduction of waste to landfills by 2040, consistent with Austin Zero Waste Plan.

- **Water and Nature Goal:** Sustainably manage water resources and enhance nature and natural systems through conservation and green infrastructure.

- **Sustainable Buildings and Infrastructure Goal:** Use sustainable design guidelines and rating systems (Envision, Austin Energy Green Building, LEED) to guide all capital projects.

- **Equity, Customer Experience, Sustainable Transit:** Transit as the equitable and sustainable solution to a livable community.

Overarching guiding principles of...

- **Equity:** All communities will share in the sustainability benefits.
- **Climate resiliency:** Consideration will be given to design that can help mitigate the impacts of climate change.
- **Lifecycle, S-ROI, sustainability valuation:** Projects will be evaluated based on the overall costs and benefits (including environmental) over the lifetime of each project.

will be reflected in Sustainability Vision Plan vision statement.
# Proposed Sustainability Project Fund

*Subject to approval*

## Description

A supplemental fund for capital and operational projects that support:
- the goals of the *Sustainability Vision Plan*;
- achieving/maintaining *APTA Sustainability Commitment* (Platinum Level);
- the goals of the *Austin’s Climate Equity Plan/Zero Waste Plan/ Water Forward Plan*

## Project Categories

<table>
<thead>
<tr>
<th>• Energy and Climate</th>
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<tbody>
<tr>
<td>• Sustainable and Zero Emission Fleet</td>
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<tr>
<td>• Zero Waste</td>
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<td>• Water and Natural World</td>
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<td>• Green Building and Infrastructure</td>
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## Examples of Projects

<table>
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<th>• Zero emission vehicles or charging infrastructure</th>
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<tbody>
<tr>
<td>• Green building/Infrastructure design</td>
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<tr>
<td>• MetroBike equipment</td>
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<tr>
<td>• Urban forestry, sustainable landscaping, or habitat projects</td>
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<td>• Public facility recycling</td>
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<tr>
<td>• Renewable energy projects or pilots</td>
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<td>• Pollution prevention projects</td>
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<tr>
<td>• Third-party support for sustainability rating (AEGB, Envision, SITES)</td>
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<tr>
<td>• Energy conservation upgrades/retro-fits</td>
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<td>• IT equipment and software for energy conservation</td>
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## Process

Sustainability Leadership Committee will identify and select projects consistent with procurement guidelines; and based on sustainability impact and sustainability return on investment.
Path forward
Reduce the energy used in our current facilities and operations through a comprehensive energy management program, conservation and energy upgrades. Apply Zero Energy design guidelines for all new facilities. Renewable energy is the first choice.

Where are we now (current strategies)?
• 100% Austin Energy Green Choice
• Over 200 solar bus stop lighting systems, information displays
• Energy upgrades such as LED lighting at park and rides
• 34% reduction in energy, since 2014 (normalized to revenue miles traveled)
• 32% reduction in carbon emissions/GHG since 2016

Where do we want to be (targets)?
• 100% renewable energy for all electric sources
• Net zero carbon/energy buildings and facilities
Path forward
Transition all revenue and non-revenue fleets to zero emission, as technology becomes available to meet the needs of our operation and benefits our customers. Guide our fleet conversion with a comprehensive zero emission vehicle transition plan.

Where are we now (current strategies)?
• North Ops Electric Bus Depot, electric-ready for 179 buses
• Procurement of 197 new electric buses over the next 5 years
• Adding 15 plug-in hybrid vehicles to current fleet of 8 electric Nissan Leaf staff fleet vehicles; and expanding charging infrastructure for NRV fleets and employees.
• Powered by Green Choice renewable energy
• 63% reduction in Criteria Air Pollutants (NOx) since 2016.

Where do we want to be (targets)?
• 100% zero emission revenue and non-revenue fleets
• 100% zero emission light rail
• Public charging infrastructure at public facilities for customers and the community
Online Action Plan and Tracking Tool

- Written plan (Overview, Goals, Targets, Strategies, Milestones, Project Manager, etc.)
- Intended to track progress in achieving targets
- Accountable department included
- Each Action Plan will have a separate sheet in the Excel-based tool
- Illustration only, actual tool is in development
Next Steps

- Revise with staff, stakeholder, and Board input for **vision, goals, and guiding principles**
  - Customer Advisory Committees: ATP PSEC, ATP EAC, CapMetro CSAC
  - Internal (CapMetro/ATP) **Sustainability Leadership Committee**
  - External (CoA, Travis County, CAPCOG) **Sustainability Advisory Group**

- Finalize Vision Plan

- Board **Sustainability Vision Policy Statement** adoption by April 15

- Submit to FTA’s Sustainable Transit for a Healthy Planet

- Finalize sustainability action plans
THANK YOU!