

VTA's Sustainability Program

MARCH 2022

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Agenda



Introductions



Program Overview



Goals and Key Performance Indicators



Projects



Funding

Program Overview

- Established in 2008
- Managed by diverse Sustainability Team
- Provides annual updates to VTA Board
- Saves VTA money through improved performance and efficiency
- Achieves environmental recognition for programs and projects
- Creates internal policies to support sustainability goals
- Educates employees on how to be more sustainable
- Advocates for a more sustainable future and greener Silicon Valley







Goals and KPIs

VTA's Sustainability Plan serves as a roadmap to guide our actions through FY 2040. Sets targets for the following Key Performance Indicators:

- Greenhouse Gas Emissions
- Criteria Air Pollutants
- Energy
- Potable Water
- Waste

We are currently on-track to meeting all targets. However, reductions are attributable to lower operating service during the pandemic. As service levels and operations gradually increase, VTA must accelerate the transition to a ZEB fleet and upgrade to more renewable sources of energy.

Sustainability Objectives and Targets

Key Performance Indicator ¹	Objective ²	Targets ³
 Greenhouse Gas Emissions	Reduce greenhouse gas (GHG) emissions generated	<ul style="list-style-type: none">• Reduce GHG emissions by 60% by FY 2025• Reduce GHG emissions by 90% by FY 2040
 Criteria Air Pollutants⁴	Reduce criteria air pollutant emissions generated	<ul style="list-style-type: none">• Reduce criteria air pollutant emissions by 80% by FY 2025• Reduce by criteria air pollutant emissions by 95% by FY 2040
 Building Energy	Reduce building energy consumption	<ul style="list-style-type: none">• Reduce building energy consumption by 15% by FY 2025• Reduce building energy consumption by 40% by FY 2040
 Fleet Energy	Reduce revenue fleet energy consumption	<ul style="list-style-type: none">• Reduce revenue fleet energy consumption by 35% by FY 2025• Reduce revenue fleet energy consumption by 60% by FY 2040
 Water	Reduce potable water use	<ul style="list-style-type: none">• Reduce potable water use by 45% by FY 2025• Reduce potable water use by 60% by FY 2040
 Waste Diverted	Increase waste diversion rate	<ul style="list-style-type: none">• Increase waste diversion rate to 50% by FY 2025• Increase waste diversion rate to 80% by FY 2040

Current Projects

- Retrofitting River Oaks and Cerone with LED lighting.
- Installing EV charging stations for employees and public to use at River Oaks.
- Ensuring sustainability is incorporated in BART Silicon Valley Phase II procurement contracts, design, and construction. Project is committed to achieving Envision Platinum Certification from ISI.
- Preparing VTA's 1st Climate Action and Adaptation Plan. Draft report targeted for 2023.
- Installing 811 kW of energy storage at Cerone and North Divisions over a 10-yr. term at no-cost to VTA.
- Advancing transition to Zero Emission Bus fleet, including vehicles and infrastructure.

Funding

Sustainability Program applies for grants to fund projects and earns VTA money through cost savings.

Examples:

- CAAP funded by \$434,682 grant from Caltrans.
- EV Charging Stations funded by \$32,000 grant from BAAQMD.
- Costs of Energy Storage System is offset by \$2.625 million award from the CPUC Self-Generation Incentive Program. VTA is anticipated to save an average of \$68,000 in electricity costs annually.
- Cerone ZEB Infrastructure and Microgrid Project funded partially by \$4.676 CEC Grant.

VTA earns Renewable Energy Credits from solar generation and Low-Carbon Fuel Standard Credits from electric transportation.

To date, VTA has 29,263 credits worth approx. \$4.8 million based on a current average credit price of \$164. LCFS credits can be sold to fund future electrification projects.



Questions?
