Ask VTA: Climate, Sustainability and Innovation

April 13, 2023



Today's Agenda

- Welcome
- Meet VTA Staff
- Getting to know you and how you get around
- VTA's Role in Santa Clara County
- Climate, Sustainability and Innovation: VTA's Climate Efforts
- Ask VTA: Questions and Discussion
- Thank you



Participating Staff

- Ann Calnan Environmental Programs Manager
- Lani Lee Ho

 Senior Environmental Planner
- Christina Jaworski Senior Environmental Planner
- Adam Burger Innovative Mobility & ZEB Program Manager
- Deanna Bolio & Gretchen Baisa Community Outreach and Public Engagement



Quick Poll: How do you get around Santa Clara County?

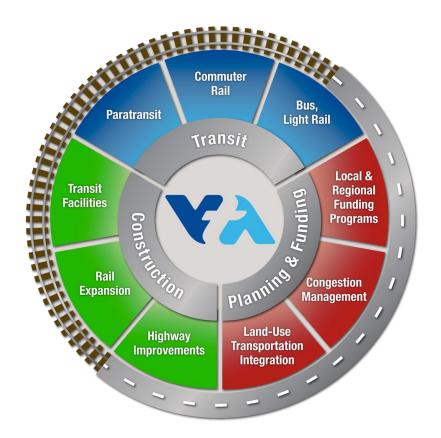




VTA's Role in Santa Clara County

VTA is more than buses and light rail. As the County Transportation Agency, we also:

- Act as a funding conduit for local cities and other agencies
- Design and build transit facilities, highway improvements, and expand rail service
- Plan for congestion management and land-use
- Design, build and own BART to Silicon Valley infrastructure in Santa Clara County





VTA's Sustainability Program

- Our mission is to create a culture of sustainability at VTA.
- We are driven by a diverse and inclusive Sustainability Team.
- Our work includes implementing projects and policies, raising awareness, tracking metrics, and reporting our progress.







Quantify greenhouse gas emissions associated with countywide transportation use and VTA's operations

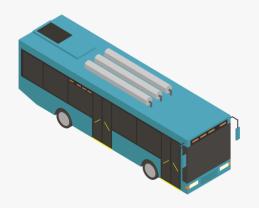
Conduct a vulnerability assessment to build VTA's adaptive capacity and resilience to climate impacts

Identify actions to reduce GHG emissions and Vehicle Miles Traveled (VMT)









Hybrid-Diesel Bus

\$800,000/bus 400-mile range Reliable Quick fueling Polluting

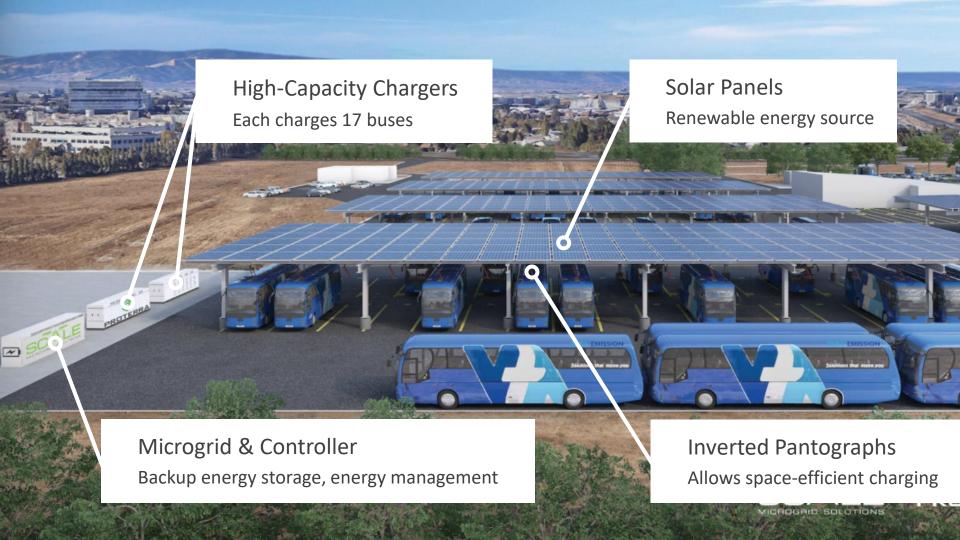
Battery-Electric Bus

\$1,000,000/bus 150-mile range Semi-reliable Slow charging No emissions

Hydrogen Fuel Cell Bus

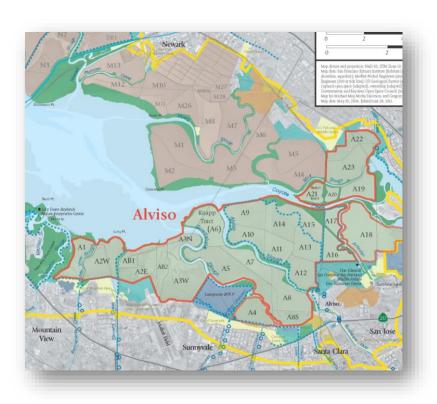
\$1,200,000/bus 300-mile range Semi-reliable Quick fueling Emits water vapor





Beneficial Reuse of BART Silicon Valley Phase II Tunnel Excavated Material at Former Salt Production Ponds

Beneficial Reuse of BART Silicon Valley Phase II Tunnel Excavated Material at Former Salt Production Ponds



Excavated material from the BART Silicon Valley Phase II Project tunneling operations will be placed into various ponds in South San Francisco Bay at Alviso to raise pond bottoms and accelerate tidal marsh habit development

Project benefits

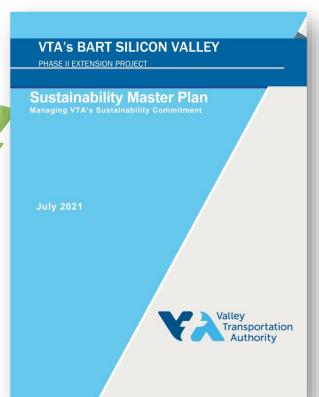
- Sea level rise resilience
- Greenhouse gas emissions reductions
- Habitat creation for threatened and endangered species
- Water quality improvements
- Flood risk management
- Construction waste reuse

Status:

\$1.5M Grant Received; project is initiating environmental clearance and early community engagement

Envision Framework – Platinum Certification







Habitat and Conservation

The Upper Penitencia Creek Improvement Project includes the restoration of a portion of this creek to enhance fish and wildlife habitat, improve water quality, and provide flood storage, as well as improve fish passage for the Central California Coast steelhead, a species protected under the Federal Endangered Species Act. The Project serves to fulfill the biological mitigation requirements associated with the BART Silicon Valley Project.

From This!

The eastern creek bank was lined with debris in an The restored eastern bank was constructed of attempt to stop the channel from migrating to the logs and boulders, then replanted with native east and undercutting private property. vegetation.

To This!





The Santa Clara Valley Wildlife Connectivity working group has been formed that includes POST. the Open Space Authority, the Santa Clara Habitat Agency, the Valley Transit Authority, County Parks, and CalTrans. Together, these inter-agencies and organizations are looking at how to facilitate animal crossings at Monterey Road.





Coyote Ridge is a 500+ acre VTAowned property in Coyote Valley, purchased to mitigate environmental impacts of highway construction at 101. This land management effort provides habitat for wildflowers such as California Goldfield and the Common Fiddleneck, and the endangered Bay Checkerspot Butterfly, thanks to a partnership between VTA and Santa Clara Valleu Open Space Authority.

Today's Format

Ask VTA has been developed as a chance for the public to have a deeper discussion about the projects and programs that VTA delivers for the residents of Santa Clara County.

Today's Topic: VTA's Climate, Sustainability and Innovation Efforts

You might have questions about the following:

- How VTA is meeting our climate goals
- VTA's habitat restoration efforts in Santa Clara County
- What kind of trade-offs need to be considered when adding zero emission buses
- How VTA's efforts help reduce greenhouse gas emissions
- What is included in our Sustainability Plans and how they make a difference





Thank you!

Join us for the next Ask VTA!

May 1, 6 p.m.

Topic: Bike to....Anywhere! VTA's Bike and Pedestrian Programs

Register at: www.vta.org/ask-vta

To suggest a topic for Ask VTA or to provide feedback, please email: community.outreach@vta.org

