

Appendix A

Community Engagement and Participation



Climate Change Survey

VTA is seeking your input to inform the development of a Climate Action and Adaptation Plan (CAAP). Please answer the following questions. This survey will close on June 3, 2022. Results will be shared on the project website.

¿Puede leer este documento? Si no, podemos ayudarle a leerlo. Si desea recibir asistencia, llame al Departamento de Relaciones con la Comunidad de VTA al (408) 321-7575.

이 문서를 읽을 수 있습니까? 읽지 못하신다면 저희가 도와드릴 수 있습니다. 무료 도움이 필요하시다면, VTA 커뮤니티 관계 부서에 (408) 321-7575로 연락주시기 바랍니다.

Kaya mo bang basahin ang dokumentong ito? Kung hindi, matutulongan ka naming basahin ito. Para makatanggap ng libreng tulong, mangyaring tumawag sa Community Relations Department ng VTA sa (408) 321-7575.

您是否能閱讀本文件？若否，我們能協助您閱讀。欲取得免費協助，請聯絡 VTA 社區關係部專線 (408) 321-7575。

Bạn có thể đọc tài liệu này không? Nếu không, chúng tôi có thể giúp bạn đọc tài liệu này. Để được trợ giúp

miễn phí, vui lòng gọi Bộ Phận Quan hệ Cộng đồng
của VTA theo số (408) 321-7575.

Next

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See how easy it is to [create a survey](#).

[Privacy & Cookie Notice](#)



Climate Change Survey

! This question requires an answer.

*** 1. How much do you agree or disagree with the following statement: “Climate change will affect me personally during my lifetime”?**

- Strongly agree
- Somewhat agree
- Somewhat disagree
- Strongly disagree

! This question requires an answer.

*** 2. Please rate your level of concern with the following climate impacts:**

	Extremely concerned	Moderately concerned	Somewhat concerned	Slightly concerned	Not concerned at all
Sea level rise, coastal flooding, and coastal erosion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Extremely concerned	Moderately concerned	Somewhat concerned	Slightly concerned	Not concerned at all
Higher risk of wildfire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extreme heat events and higher temperatures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extreme rain events and local flooding of creeks and rivers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drought and water scarcity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loss of habitat and biodiversity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effects on public infrastructure such as transportation and communication systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effects on public health such as lower air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If Other, please specify:



Climate Change Survey

* 3. **What zip code do you live in?**

4. **What is your primary mode of transportation?
Please select the mode that you take most often in
a one-week period.**

- Car (driving alone)
- Carpool or vanpool
- Public transportation (bus, train)
- Shuttle or ridesharing service
- Bicycle or micro-mobility device (e-scooter)
- Walking
- Other

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Climate Change Survey

5. If you drive alone, would you be willing to try different transportation options, such as public transit or bicycling if financial incentives or benefits (rewards, discounted transit passes, etc.) were provided?

Yes

No

6. What kind of vehicle do you primarily drive?

Electric or zero-emission

Hybrid

Conventional gas or diesel

Not applicable

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Climate Change Survey

7. VTA's Climate Action and Adaptation Plan (CAAP) will focus on the following four main objectives. Please rank these objectives in order of importance to you. (1 = highest priority, 4 = lowest priority)

- Quantify VTA and countywide transportation related greenhouse gas emissions.
- Identify measures to reduce VTA's contribution to climate change by reducing greenhouse gas emissions from its own operations.
- Identify actions VTA can take in partnership with agencies and the community to reduce greenhouse gas emissions by reducing the amount of driving.
- Conduct a vulnerability assessment that identifies the risks to transportation assets (such as roads, bridges, rail infrastructure, etc.) from climate change impacts and actions that can be taken to protect these assets for the public good.

*** 8. Are you interested in being involved in the development of the CAAP?**

DEVELOPMENT OF THE CAAP :

Yes

No

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Climate Change Survey

9. What is your age group?

- Under 18
- 18-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65+

10. With which ethnic/racial category do you most identify?

- White or Caucasian
- Hispanic/Latino
- Black/African American
- American Indian and Alaska Native

- Asian/Asian American
- Native Hawaiian or Pacific Islander
- Two or more races
- Other

11. What is your household income?

- Less than \$25,000
- \$25,000 to \$49,999
- \$50,000 to \$74,999
- \$75,000 to \$99,999
- \$100,000 to \$149,999
- \$150,000 to \$199,999
- \$200,000 or more

**Your survey is now complete.
Please make sure to click the "Done" button
below.**

Thank you for your participation!

Prev

Done

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See how easy it is to [create a survey](#).

Virtual Workshop



CAAP

CLIMATE ACTION & ADAPTATION PLAN

October 25, 2022
6:00 – 7:30 pm



1

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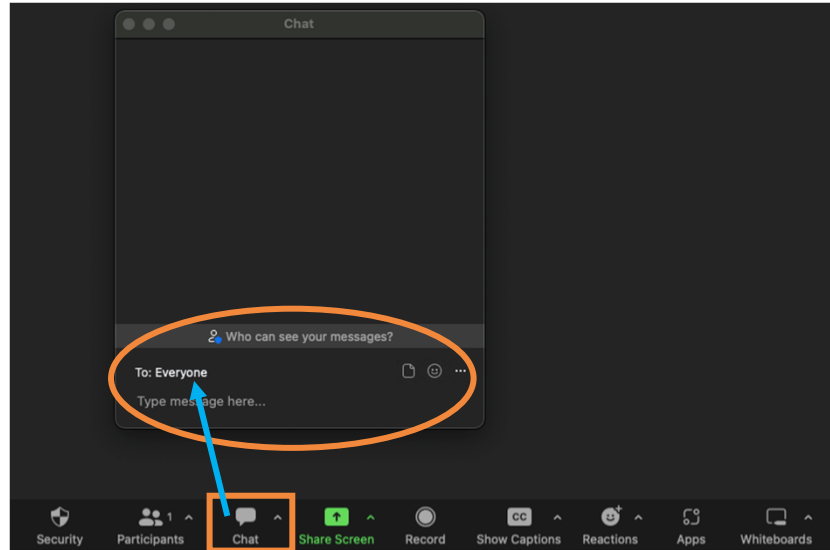
Virtual Meeting Agreements and Etiquette

- Treat everyone with kindness, respect, and consideration.
- Participate! Share your ideas and opinions.
- Everyone's input matters.
- Stay on track.
- Type questions in the chat.
- Mute your audio when you are not speaking.
- This event is being recorded and will be posted on *vta.org*.
- VTA will not tolerate demeaning, discriminatory or harassing behavior and speech. VTA staff will remove participants who refuse to adhere to this code of conduct.

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How to Use the Chat Function



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Agenda

Introductions

Background Information

Group Exercises

Report Back and Questions

Wrap-up

4

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Who are we?



Deanna Bolio, Community Outreach Supervisor

Patty Boonlue, Environmental Planner

Lani Lee Ho, Senior Environmental Planner

John Sighamony, Senior Transportation Planner

Rob Swierk, Principal Transportation Planner



Vishal Ream-Rao, Climate Change Planning Coordinator



Breann Boyle, Sustainability Analyst



Monica Mallon, Silicon Valley Youth Climate Action

Who are you?

- Help us get to know you by answering the questions in the Zoom poll window.
- Responses are anonymous.
- Participation is optional.





Why are we here today?

- The purpose of this meeting is to find out what is important to you.
- Your input will help shape the development of the CAAP.

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Caltrans SB1 Sustainable Transportation Planning Grant Program

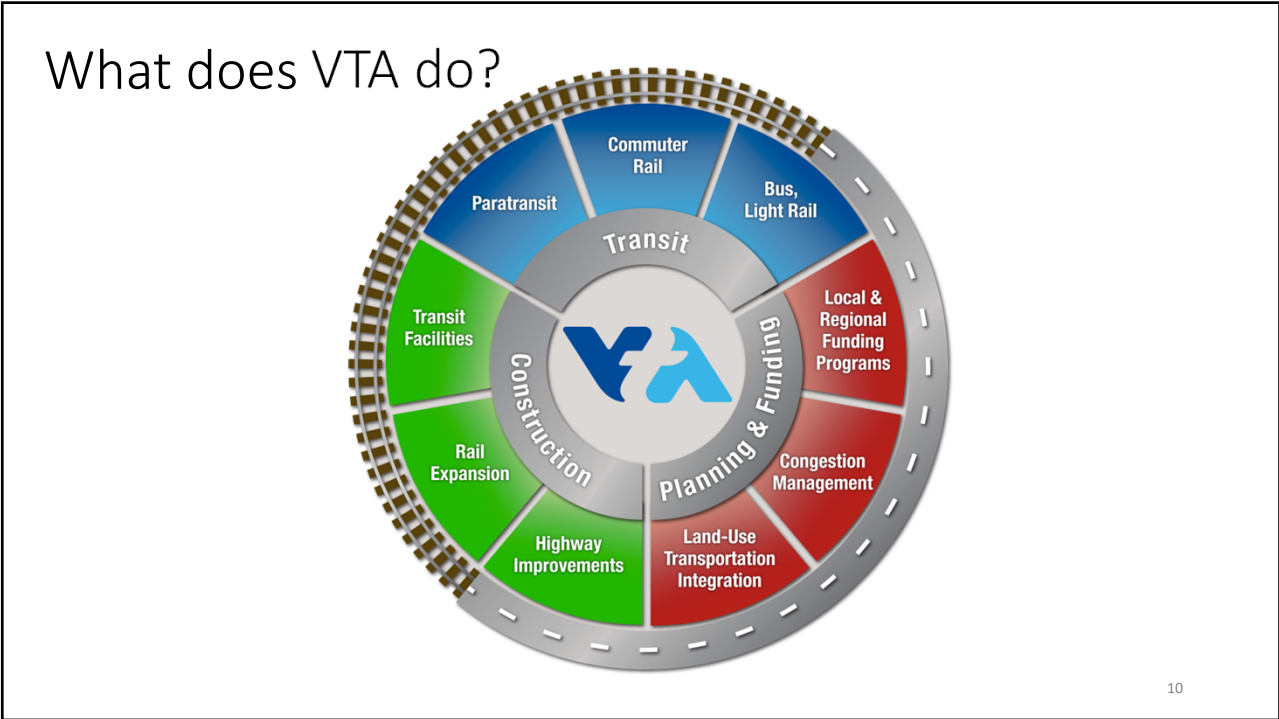
- VTA was awarded funding in 2021 to develop this Climate Action & Adaptation Plan.
- How does grant funding relate back to broader State climate goals?



8

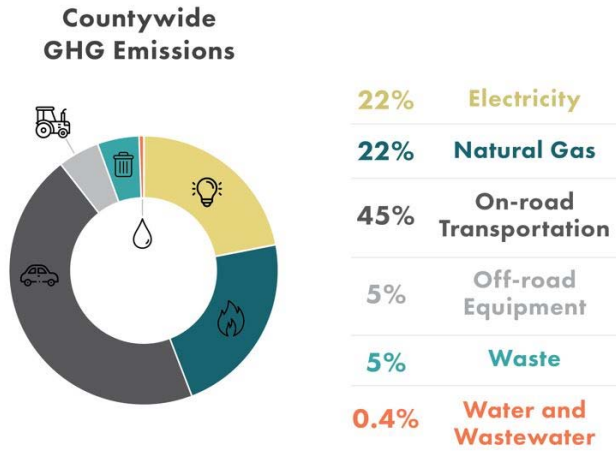
Background Information

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Greenhouse Gas Emissions from Transportation



Source: County of Santa Clara, Office of Sustainability



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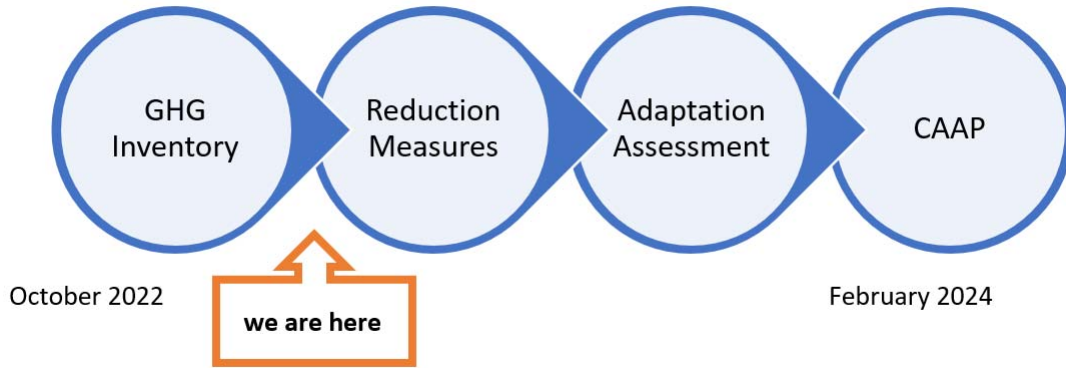
Vulnerability of Transportation Infrastructure



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Overview of VTA's CAAP



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Group Exercises

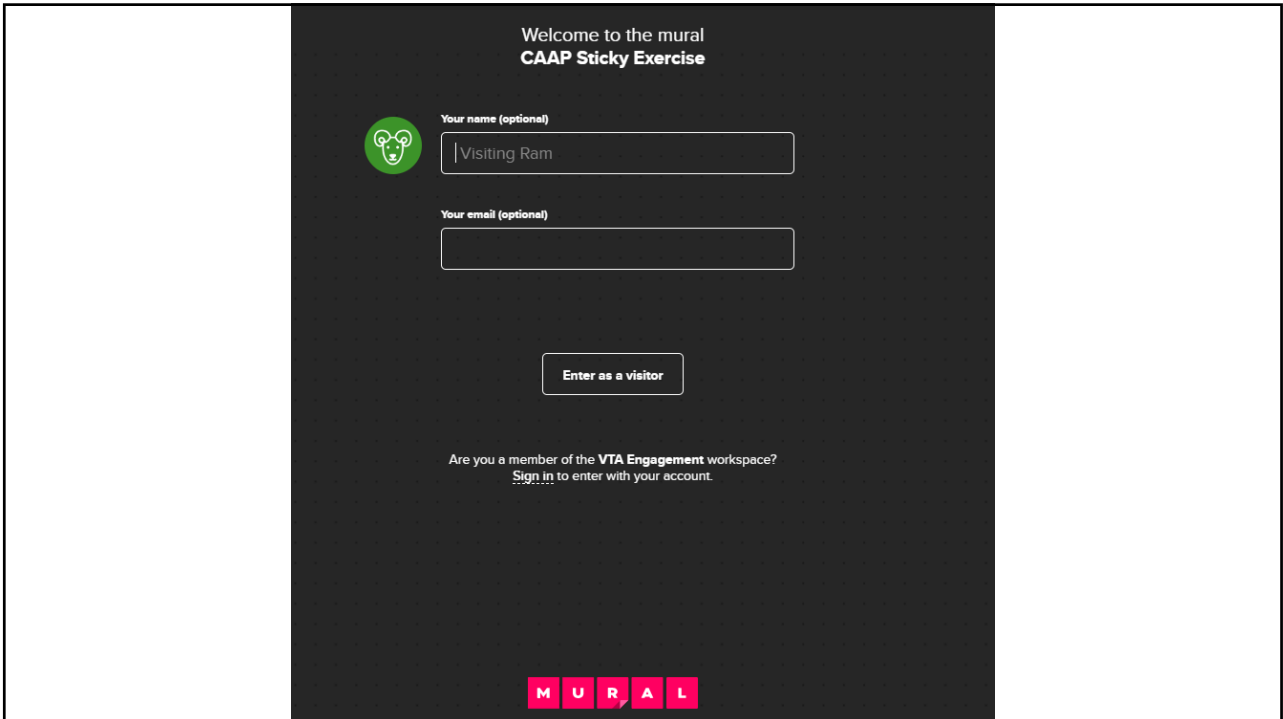
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Mural Exercise

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Breakout Groups

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Next Steps

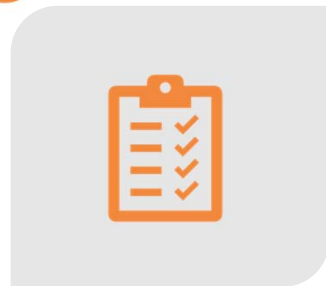
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www.vta.org/climateplan

Project website – Sign up for the Mailing List!

2



Survey Link in Chat Box

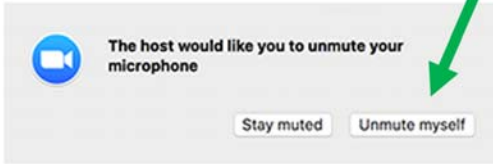
Take a quick post-meeting survey!

18

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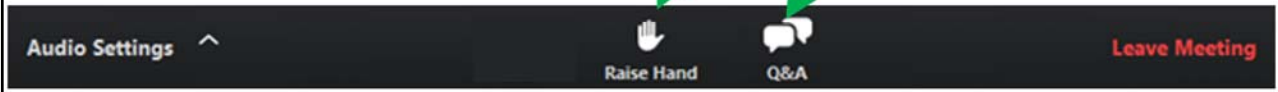
How you can participate

Unmute/Mute: If the host gives you permission, you will receive this notification - **click “unmute myself”** so everyone can hear you



Raise Hand: Raise your hand to indicate that you want to ask a question.

Question & Answer: Open the Q&A panel to ask questions.



This event is being recorded by VTA for posting on vta.org.



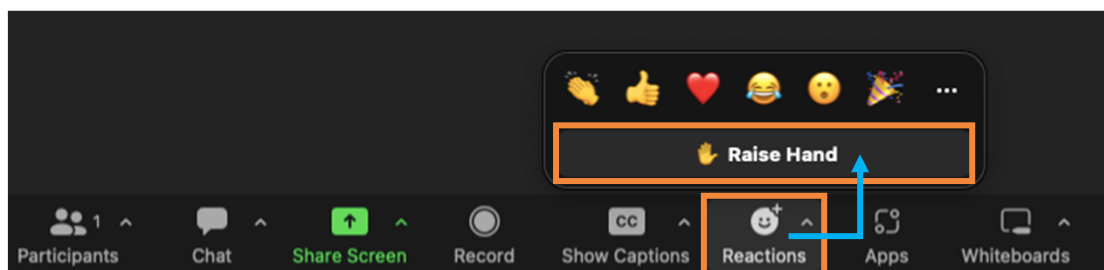
Report Back and Questions

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Questions?

- Share input from your breakout room or ask a question for one of the presenters



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Next Steps

1

www.vta.org/climateplan

Project website – Sign up for the Mailing List!

2

Survey Link in Chat Box

Take a quick post-meeting survey!

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Thank You!
Contact info – community.outreach@vta.org



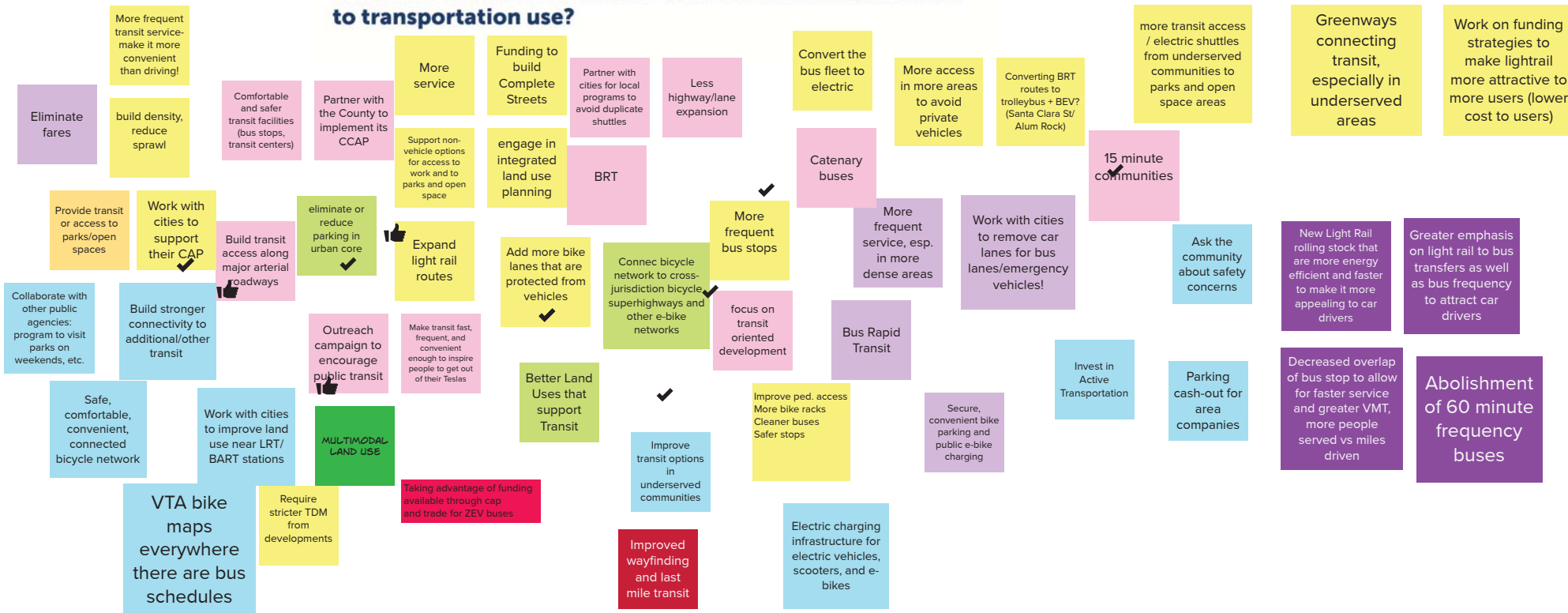
CAAP
CLIMATE ACTION &
ADAPTATION PLAN



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Climate action refers to actions taken to reduce the emissions of greenhouse gases (GHG). Transportation is the largest source of GHG emissions in Santa Clara County.

What actions should VTA take to reduce emissions related to transportation use?





Santa Clara County Climate Collaborative

OVERVIEW

The Collaborative is a cross-sector network and community of practice for public agencies, academia, nonprofit and community-based organizations, and business and community leaders to advance regional solutions to climate change through resource and expertise sharing, joint-funding opportunities, and partnership development. This is an informal collaboration and not a separate body, organization, or entity.

Vision For a Resilient Santa Clara County

We envision a Santa Clara County where diverse stakeholders come together to partner on and coordinate regional strategies to combat climate change and protect people and the natural environment, while advancing strategies to eliminate inequities and improve quality of life for all.

Collaborative Goals

Goal 1: Sustain a diverse impact network of staff from Santa Clara County public agencies and organizations to advance regional climate projects, programs and policies.

Goal 2: Develop and formalize partnerships to coordinate and fund programs and projects that enhance the county's ability to mitigate and adapt to climate change.

Goal 3: Empower communities through inclusive decision-making processes that provide culturally responsive engagement and capacity building to support the integration of equity and climate justice in the Collaborative.

Goal 4: Prioritize natural and nature-based climate solutions to promote regional resilience.

Joining The Collaborative

The Collaborative welcomes representatives from the following organizations based in Santa Clara County to serve as core participants:

- **Local and Regional Public Agencies** - staff of local jurisdictions, special districts, metropolitan planning organizations.
- **Non-profit Organizations** - staff of not-for-profit faith-based organizations, community-based organizations, social advocacy groups, or foundations.
- **Tribes** - tribal communities or native-led organizations.
- **Academic Institutions** - staff of academic or research institutions.
- **For-profit organizations** – private businesses and firms, based in Santa Clara County.

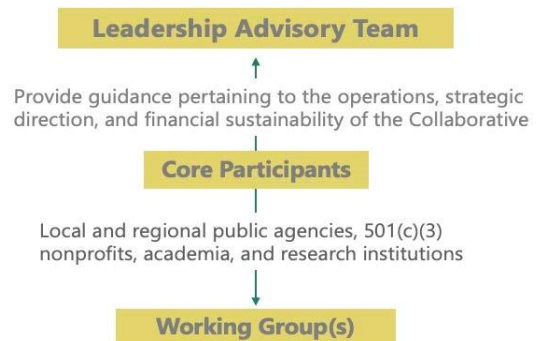
All organizations will sign a Participant Commitment Letter to join the Collaborative to demonstrate their commitment to working jointly with other organizations to advance the Collaborative vision and goals by dedicating staff time, sharing information, and coordinating efforts. This is an informal collaboration, and participation in the collaborative does not create a separate body, organization, or entity. Visit <https://www.climatecollaborativescc.org> to learn more and join.



For profit organizations will be required to sign an Affiliate Commitment letter that specifies the terms and expectations of their participation in the Collaborative. For profit organizations can attend Collaborative meetings and participate through working groups of the Collaborative as invited but are not eligible to become core participants of the collaborative (cannot be appointed to leadership position or serve as working group chair).

Collaborative Structure

The establishment of the Collaborative, including decisions pertaining to the operational, strategic direction, and financial sustainability of the Collaborative will be guided by an appointed Leadership Advisory Team (LAT). The LAT will be appointed by the County of Santa Clara Office of Sustainability, and will be composed of 9-11 representatives, with equal representation from both the non-profit and public sector. The LAT will meet at least four times per year.



Working groups: The LAT, in coordination with County Staff, is responsible for the approval of working groups that advance specific projects or initiatives of the Collaborative. Working groups may address topics including, but not limited to: Flooding and Sea level Rise, Heat and Air Quality, Transportation, Forestry and Equity and Environmental Justice. Working groups, as needed can establish a governance framework related to roles/responsibilities, operations, and decision-making.

Collaborative Initiatives Through December 2024

- Santa Clara County Resiliency Strategy for Flooding and Sea Level Rise
- Heat and Air Quality Resiliency (HAQR)
- Santa Clara County Urban Forestry Alliance (SCVUFA)
- Collaborative Strategic Plan and Capacity Building

Fiscal Sponsorship and Staffing Support

The County of Santa Clara Office of Sustainability provides fiscal and administrative support and day to-day oversight of Collaborative operations, including the Leadership Advisory Team, Collaborative meetings and working groups. Because the Collaborative is administered by the County, the Collaborative must comply with the County rules and regulations governing procurement, grants, contracting, lobbying, donations, etc.

Consultation and Implementation Advisors

The County of Santa Clara Office of Sustainability will seek administrative, operational, and strategic planning support from the following consultation and implementation advisors:

- Farallon Strategies, Planning and Administrative Support Partner
- Coastal Quest, Funding and Implementation Partner
- Climate Resilient Community, Equity Integration Partner

Climate Change Workshop at De Anza College

Thursday, October 26, 2023
3 pm – 4:30 pm

In collaboration with Students for Equity and Environment at De Anza (SEED)



CAAP
CLIMATE ACTION &
ADAPTATION PLAN

1

MEETING ETIQUETTE

- Treat everyone with kindness, respect, and consideration.
- Participate! Share your ideas and opinions.
- Everyone's input matters.
- Make space for everyone to contribute.
- Seek to listen & understand.
- Uplift quieter voices.
- Respect differing viewpoints.

VTA will not tolerate demeaning, discriminatory or harassing behavior and speech. VTA staff will remove participants who refuse to adhere to this code of conduct.



2

TODAY'S AGENDA

- Welcome
- VTA's Role in Santa Clara County
- VTA's Climate Action and Adaptation Plan
- Related and Connected Programs
- Small Group Discussion
- Thank You

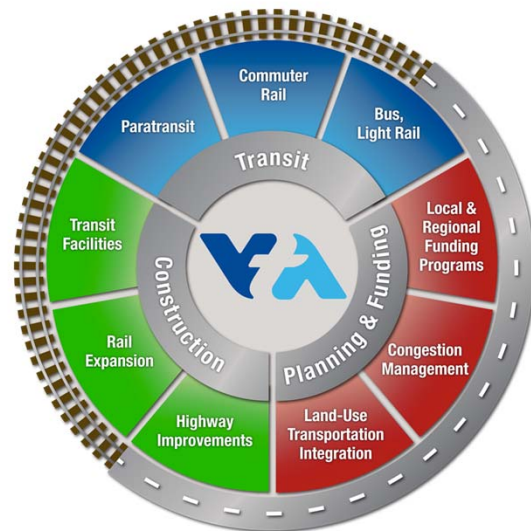


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VTA's Role in Santa Clara County

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



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Climate Action and Adaptation Plan

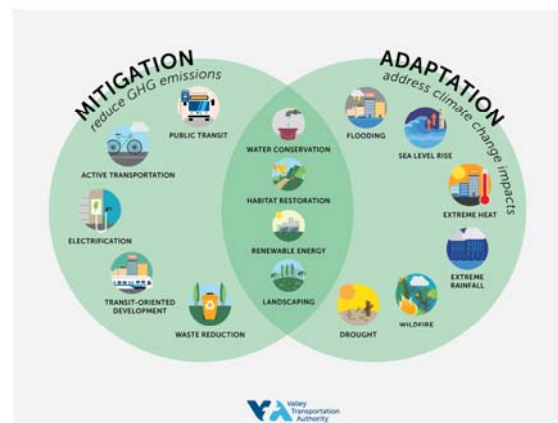
Lani Lee Ho and Patty Boonlue



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CAAP Background and Purpose

- Recognizing the climate crisis for what it is, VTA formally declared a climate emergency and resolved to prepare a climate action plan to guide its response to climate change.
- The Climate Action and Adaptation Plan includes actions to (1) reduce GHG emissions and (2) prepare for more frequent and severe climate hazards.
- Actions to reduce GHG emissions are focused on the major sources of emissions generated in Santa Clara County.



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CAAP Focuses on 4 Major Sources of GHG Emissions



TRANSPORTATION AND LAND USE

Mode shift, sustainable land use planning and development



BUILDINGS AND FACILITIES

Reduce energy use and decarbonize



FLEET AND EMPLOYEE COMMUTE

Zero emission buses, cars, trucks, and less driving to work



MATERIALS AND WASTE

Reduce, reuse, recycle



TELL US WHAT YOU THINK

- Submit comments online at: <https://www.vta.org/caapform>
- Send us an email at: community.outreach@vta.org
- Deadline to receive comments: November 17

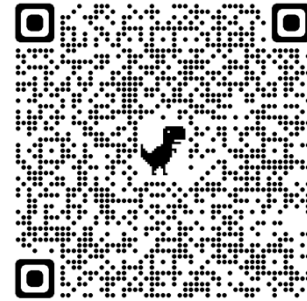
Measure	Action
Strategy GHG-TL-3: Fast, Frequent, and Reliable Public Transportation for All	
GHG-TL-3.1: Improve reliability and convenience of existing transit services through increased frequency of service, extended service hours, and improved facilities at stops and stations, prioritizing improvements that serve disadvantaged communities.	GHG-TL-3.1.1: Implement VTA's annual transit service plans based on the Visionary Transit Network's transit vision and recommended service enhancements. GHG-TL-3.1.2: Pursue new funding streams to support increased service, stops, reliability, extended hours, and capital projects identified in the Visionary Transit Network.
GHG-TL-3.2: Increase transit travel speed and reliability through transit-signal priority, dedicated bus lanes, and new or expanded Rapid bus service.	GHG-TL-3.2.1: Collaborate with member agencies and other relevant partners to make transit faster and more reliable with solutions like transit signal priority and transit-only lanes. GHG-TL-3.2.2: Implement transit signal priority, dedicated lanes, and other improvements in collaboration with member agencies. GHG-TL-3.2.3: Support member agencies through collaborative grant writing and project management of transit priority improvements.
Strategy GHG-TL-4: Sustainable Land Use Planning and Development	
GHG-TL-4.1: Collaborate with member agencies in advanced planning efforts to increase residential and employment densities and expand mixed-use development potential near rail stations, along Frequent Network bus routes, and in priority development areas (PDAs).	GHG-TL-4.1.1: Continue coordinating and collaborating with member agencies on advanced planning efforts through the LUTI Development Review Program and regularly scheduled coordination meetings, including on General Plan updates, station area plans, neighborhood/corridor plans, housing elements, zoning code updates, or other area-wide planning efforts, to ensure that densities, floor-area ratios, and land use designations are transit-supportive and aligned with existing system and planned transit investments. GHG-TL-4.1.2: Support member agencies through collaborative grant writing and project management of land use plans surrounding transit stations and priority corridors. GHG-TL-4.1.3: Promote and provide local support/technical assistance for using VTA's Community Design and Transportation (COT) Manual and other resources.
GHG-TL-4.2: Increase development around transit stations and along transit corridors to facilitate multi-modal, carbon-neutral neighborhoods that are sustainable and resilient.	GHG-TL-4.2.1: Collaborate with member agencies to increase and facilitate (1) commercial and mixed-use development in or near job centers and (2) residential, commercial, and mixed use near rail stations, along Frequent Network bus routes, and in PDAs. GHG-TL-4.2.2: Continue to seek funding through the Strategic Growth Council's Affordable Housing and Sustainable Communities Program (AHSC) to reduce GHG's and produce affordable, equitable, and dense housing near VTA transit facilities.
GHG-TL-4.3: Strategically repurpose underutilized parking lots or other vacant lots at or near VTA transit stations and major transit stops into lively mixed-use, transit-oriented communities with activated ground floor uses that increase transit ridership, help provide revenue for transit capital investments and operations, and reduce VMT.	GHG-TL-4.3.1: Continue to implement VTA's TOC policy and TOD Development Programs. GHG-TL-4.3.2: Catalyze equitable and inclusive TOCs with thorough public engagement, resulting in thoughtful placemaking and place-keeping. GHG-TL-4.3.3: Focus on priority joint development parcels first and parcels that have the potential for achieving the highest VMT reductions and ridership improvements.
GHG-TL-4.4: Provide people of all generations and backgrounds with affordable housing and access to the necessities of daily life available within a short walk, bicycle ride, or transit trip.	GHG-TL-4.4.1: Continue to work through VTA's TOD program with local jurisdictions and the development community to produce mixed-use, mixed-income, and 100% affordable housing projects, consistent with VTA's Affordable Housing Goals identified in the TOC Policy. GHG-TL-4.4.2: Implement VTA-funded TOC Playbook strategies in Downtown San Jose, 28th Street/Little Portugal Station, and Santa Clara Station, in partnership with the cities of San Jose and Santa Clara and surrounding communities.

SAVE THE DATE: TUESDAY, NOVEMBER 7, 12-1 PM

You're invited to a virtual lunch-time talk about climate change adaptation in Santa Clara County!



eventbrite



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Valley Transportation Plan 2050



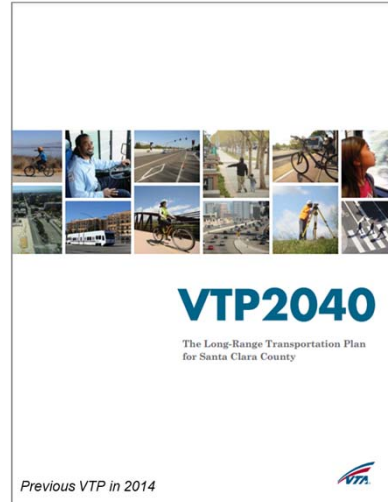
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What Is The Valley Transportation Plan 2050?

Valley Transportation Plan 2050 (VTP) is our Agency's **long-term plan** for transportation and land use.

We are doing this update because we need to:

- Set a transportation vision for Santa Clara County for the next 25 years.
- Identify transportation projects and programs for that period
- Align our strategies with Regional/State goals
- Have a stronger connection with the Regional Long Range Transportation Plan, Plan Bay Area



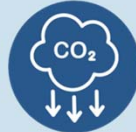
Timeline



VTP 2050 Goals



IMPLEMENT FASTER, MORE FREQUENT, SAFE, AND CONVENIENT *TRANSIT*



ADDRESS THE CLIMATE EMERGENCY BY REDUCING *TRANSPORTATION EMISSIONS*



PRIORITIZE *ACTIVE TRANSPORTATION* TO ENCOURAGE HEALTHIER MULTIMODAL OPTIONS



SUPPORT *EQUITY* IN TRANSPORTATION



ENCOURAGE *LAND USES* THAT CREATE COMPLETE AND CONVENIENT PLACES



PURSUE SAFE AND RELIABLE TRAVEL ON *HIGHWAYS AND EXPRESSWAYS*



Transit-Oriented Communities (TOC) & Development (TOD)

Christina Gotuaco
Sr. TOD Project Manager



WHAT ARE "TRANSIT-ORIENTED COMMUNITIES" (TOC)?

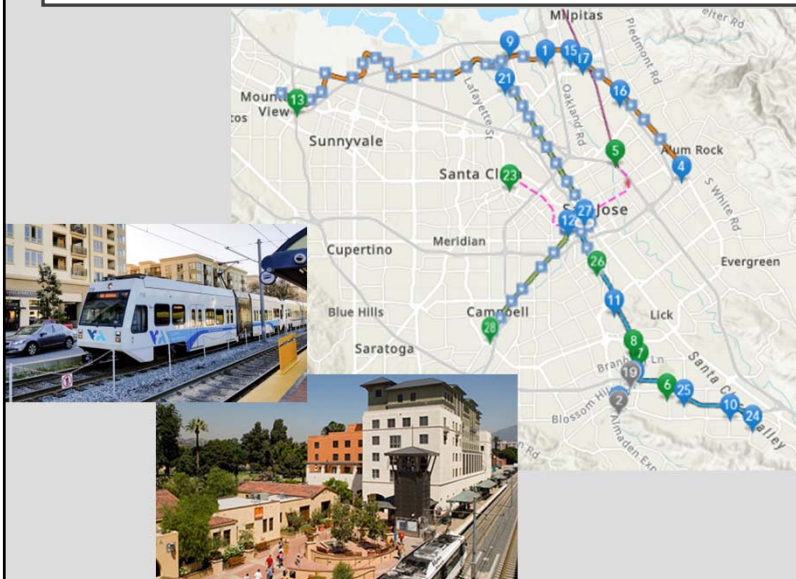
- Mix of housing, businesses, & services
- Inclusive communities serving all income levels
- Near current and future transit stations



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CURRENT STATIONS: TRANSIT-ORIENTED DEVELOPMENT



VTA's TOD Program & TOC Policy

Affordable Housing Policy

- 25% or more of units in each development
- 40% or more of units across overall VTA sites

Additional Goals

- More family-sized units
- Partnerships for deeper affordability


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ELEMENTS OF A TOC



<p>Easy Access to Everyday Needs</p>  <p><i>TOCs offer what you need to work, live, play, and run your daily errands without needing to drive.</i></p>	<p>Housing Choices for Everyone</p>  <p><i>TOCs offer a range of housing choices for people at all income levels.</i></p>	<p>Safe Spaces for all People</p>  <p><i>TOCs support vibrant public spaces that support and help build diverse communities.</i></p>
<p>Local Businesses and Services</p>  <p><i>Walkable, transit oriented neighborhoods support local retail, services, restaurants and other businesses.</i></p>	<p>Community-Supporting</p>  <p><i>TOCs strengthen neighborhoods by adding needed services and being designed for community.</i></p>	<p>Active Street Life</p>  <p><i>TOCs prioritize activity at the street level like shops and places to eat and recreate.</i></p>

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Reducing Driving from Development Projects: Equitable VMT Mitigation

Rob Swierk
robert.swierk@vta.org



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What Is This Project About?



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Why Is This Important? How Does Equity Tie In?

- The amount of driving, or Vehicle Miles Traveled (VMT), is tied to Greenhouse Gas emissions, local air quality, noise, health, street safety and more
- So reducing VMT improves quality of life and the environment
- We're taking an equity-focused approach – both in the project process, and in the outcomes




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How To Learn More & Get Involved

- Project intro and explainer videos and more at www.vta.org/EquitableVMT - sign up for updates!
- Community Survey at www.vta.org/vmtsurvey
- Tabling / pop-up events
 - Gilroy La Ofrenda Festival 10/28
 - De Anza Flea Market 12/2
- Project continues through Fall 2024

 **Subscribe to VMT Updates**

Email Address *

[SUBSCRIBE](#)



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Homestead Road Safe Routes to School Project

Lauren Ledbetter



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Countywide Context

Countywide Bicycle Plan
Bicycle Superhighway Network

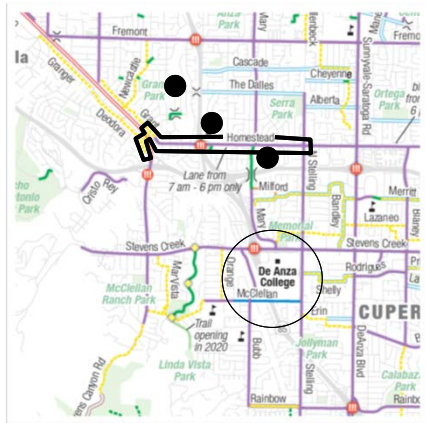


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Project Area and Issues

Los Altos, Sunnyvale, Cupertino, County



TRAIL ENDS ABRUPTLY



MIDDLE SCHOOL STUDENTS BIKE THE WRONG WAY

25

25

Project Improvements

- Extend two-way bike path
- Convert bike lanes into protected bike lanes
- Modify freeway ramp entrance
- Add traffic signal for pedestrians/bicyclists
- Fill in sidewalk gaps
- Narrow turning radii
- Outreach November 2023 through April 2024

Phase	Est. Date	Status
Preliminary Design	June 2024	Funded In progress
Environmental Clearance	Oct 2024	Funded In progress
Final Design Complete	June 2025	Not Funded
Advertise	Oct 2025	Not funded
Construction Begin	Feb 2026	Not Funded
Construction End	Aug 2027	Not funded



26

26

Stevens Creek Corridor Vision Study



27

What is It?

- The study is a multi-jurisdictional two-year effort to create a shared vision for the future of the Stevens Creek Corridor.
- The study will gather input from community members on challenges and opportunities they see on the corridor.
- This will include recommendations on how to direct transportation investment from the cities of San José, Santa Clara, Cupertino, the county and VTA.



28

28

Schedule

Activities	Vision Statement				Implementation Plan			
	Phase 1 Needs		Phase 2 Vision Development		Phase 3 Alternatives		Phase 4 Vision Implementation Plan	
	Fall 2023		Winter 2023		Spring 2024		Fall 2024	
Engagement Events	Interviews Focus Groups Pop-ups		Focus Groups Pop-ups		Focus Groups Pop-ups			
Virtual Community Workshops	Needs		Vision Statement		Alternatives		Final Vision Implementation Plan	
Steering Committee	Engagement Planning	Needs Review	Draft	Final	Initial	Preferred	Approve	
Council and Commission Meetings								



Small Group Discussion Schedule:

Round 1 ~3:30 – 3:50

rotate

Round 2 ~3:50 – 4:10

Report Back ~4:10 – 4:20

Closing & Clean up ~4:20 – 4:30



Engage with

Visit Community Outreach and
Public Engagement's page to
learn more about VTA's
upcoming events and activities.

vta.org/COPE





1

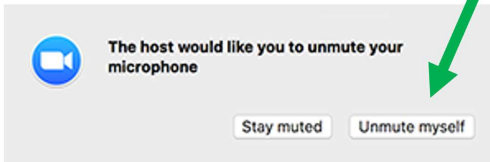
Virtual Meeting Agreements and Etiquette

- Treat everyone with kindness, respect, and consideration.
- Participate! Share your ideas and opinions.
- Everyone's input matters, respect differing viewpoints
- Make space for everyone to contribute
- Seek to listen and understand
- This event is being recorded and will be posted on *vta.org*.
- VTA will not tolerate demeaning, discriminatory or harassing behavior and speech. VTA staff will remove participants who refuse to adhere to this code of conduct.

2

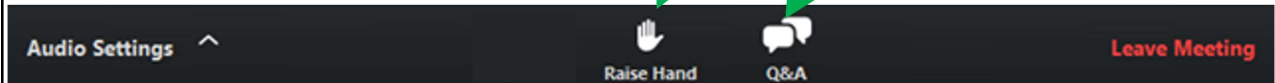
How you can participate

Unmute/Mute: If the host gives you permission, you will receive this notification - **click “unmute myself”** so everyone can hear you



Raise Hand: Raise your hand to indicate that you want to ask a question.

Question & Answer: Open the Q&A panel to ask questions.



This event is being recorded by VTA for posting on vta.org.

4

3

Agenda

- Welcome and Introductions
- Panel presentations
- Question and Answer Session



4

The Climate Crisis in SCC



Increase by up to 13 heat days and 55 warm nights

Extreme Heat *by mid-century*



Extreme wet and dry periods, up to 30% increase in storm events

Precipitation



+ 1-2 feet leading to increased coastal flooding

Sea Level Rise *by mid-century*



Increasing frequency, duration, and extent

Wildfire

Source: Climate Change Projections for Santa Clara County, Silicon Valley 2.0 Climate Change Preparedness Decision Support Tool

In Santa Clara County:

2-3x

The average high-income neighborhood has 2-3x more tree canopy than low-income neighborhoods

15%

Of the socially vulnerable residents are exposed to the 100-year floodplain compared to 9% countywide residents

7

7

Wildfire in SCC



2020 SCU Lightning Complex Impacts:

165,000 acres

Area burned in Santa Clara County alone

>\$77 million

Total amount CAL FIRE spent in suppression and repair costs

\$4 million

Total amount County incurred in damage repair costs

3

8

Extreme Heat in SCC



August-September 2022
Heat Wave Impacts:

16
fatalities

Potentially related deaths under investigation

109
degrees

San Jose set a record high, beating the old record of 108 degrees set in 2017

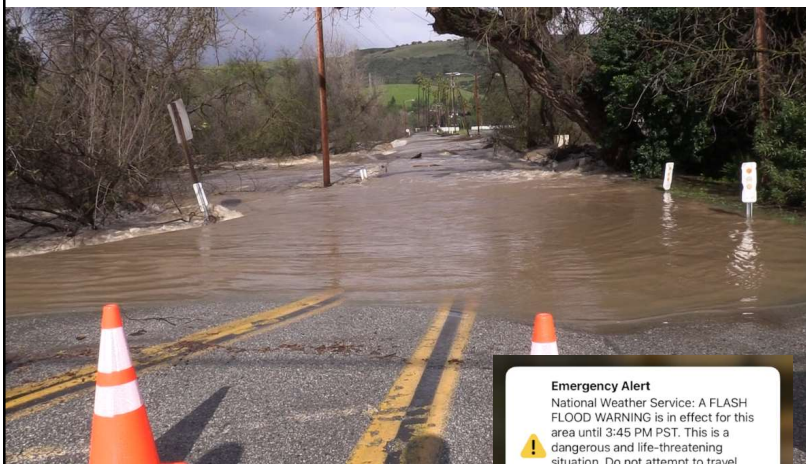
9 days

Maximum temperature of 90 degrees or higher during the heat wave

9

9

Flooding in SCC



Emergency Alert
National Weather Service: A FLASH FLOOD WARNING is in effect for this area until 3:45 PM PST. This is a dangerous and life-threatening situation. Do not attempt to travel unless you are fleeing an area subject to flooding or under an evacuation order.

2022-23 Atmospheric River
Impacts:

21.48
inches

Amount of rainfall in Los Gatos in Jan 2023, which is 300% more than the average amount in January

\$15.4
million

Damages to County roads from winter 22-23 atmospheric river events

10

10

Planning for Climate Change at VTA

Lani Lee Ho
Senior Environmental Planner
lani.ho@vta.org



11

VTA'S BOARD OF
DIRECTORS
DECLARED A
CLIMATE
EMERGENCY

WHEREAS, a number of local jurisdictions and governments in the United States, and across the world, have already declared a climate emergency, and a number of State and local governments are considering declaring a climate emergency in response to the massive challenges posed by the climate crisis;

NOW, THEREFORE, BE IT RESOLVED by the Santa Clara Valley Transportation Authority Board of Directors that:

1. Global climate change caused by human activities has resulted in a climate emergency which demands mobilization at a massive scale to halt, reverse, mitigate, and prepare for the consequences of the climate emergency and to restore the climate for future generations.
2. VTA staff will evaluate administrative procedures to incorporate the consideration of climate change impacts for all relevant proposed policies, programs, or actions approved by the Board of Directors.
3. VTA will identify specific metrics, including objectives and targets, to prioritize opportunities to reduce greenhouse gas emissions and develop a **Climate Action Plan** to guide its climate emergency response.
4. VTA will support legislative efforts to avert climate change by federal, state, regional, and local entities, and join with stakeholders to reduce greenhouse gas emissions in the transportation sector.

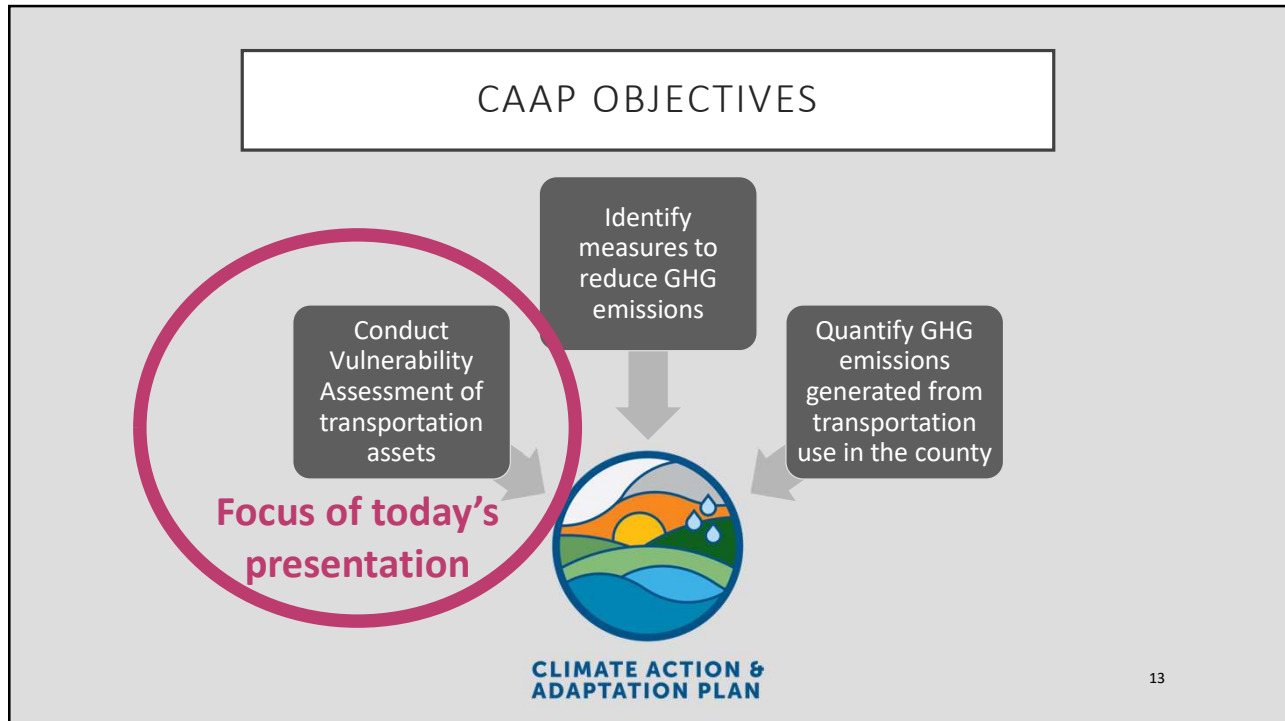
PASSED AND ADOPTED by the Santa Clara Valley Transportation Authority Board of



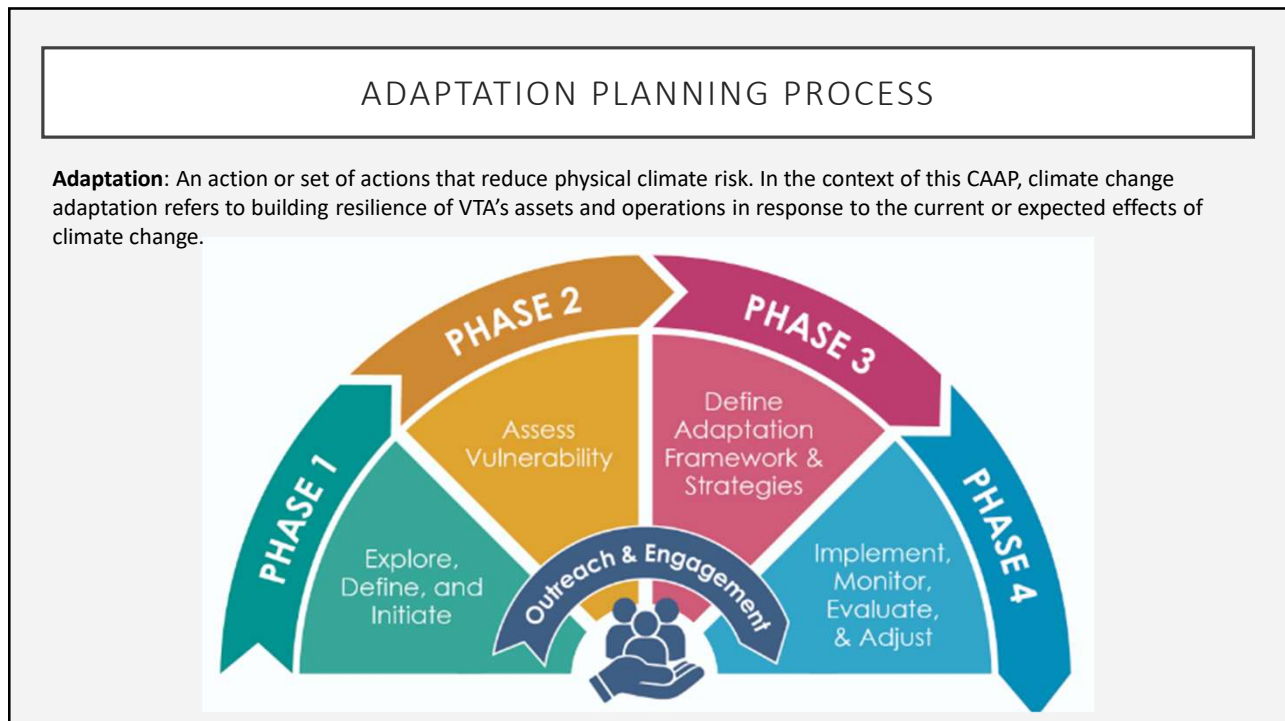
Excerpt from resolution adopted on 2/6/2020

12

12









13



14

CLIMATE HAZARDS EVALUATED

	Permanent Coastal Inundation		Temporary Urban/Inland Flooding
	Temporary Coastal Flooding		Wildfire
	Extreme Heat		Drought

15

EXTREME HEAT IMPACTS ALL OF US:
TRANSIT USERS, BICYCLISTS, PEDESTRIANS, & OUTDOOR WORKERS

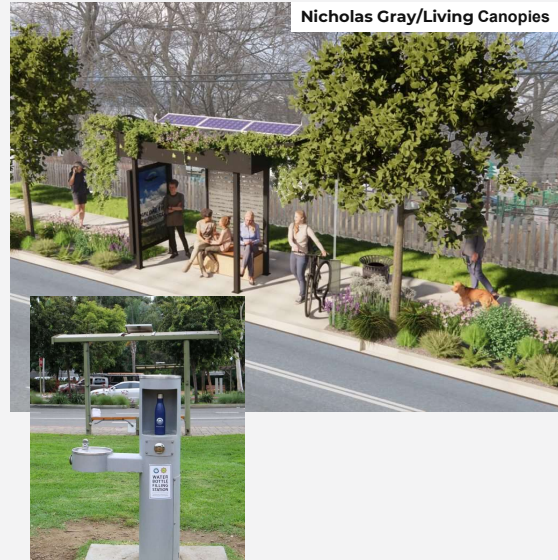


16

ADAPTATION ACTIONS

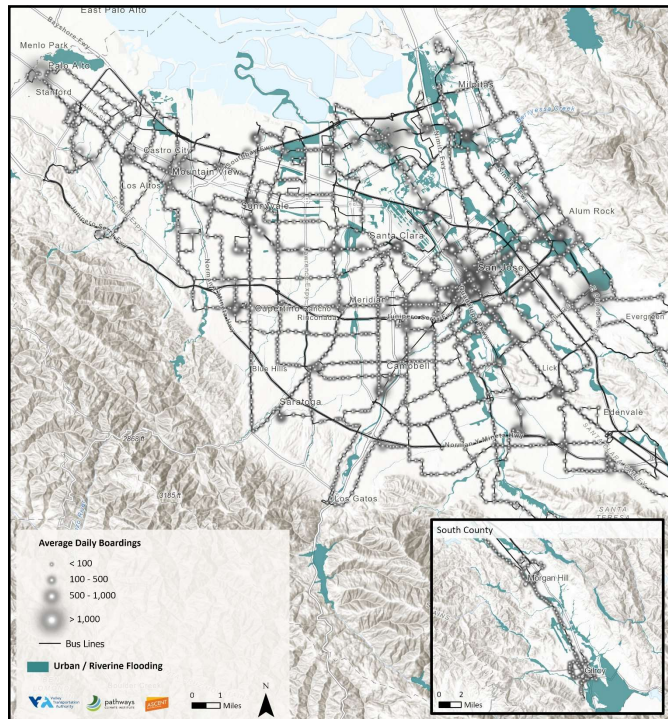
Extreme Heat

- **AD-F-1.1:** Install cooling amenities in areas where they do not yet exist and where feasible, such as: hydration stations on station platforms and in maintenance areas to ensure riders and VTA staff have access to drinking water; additional seating under pre-existing shade platforms; additional shaded areas at park-and-ride lots, bike racks, and platforms; air conditioning in indoor waiting areas; and misters in outdoor waiting areas.
- **AD-F-6.1:** Shift outdoor physical labor hours to earlier in the morning during extreme heat events, and allow for flexible hours and remote work, in general (where possible), to ensure safety during other climate hazard events.
- **AD-F-6.5:** Develop and share emergency preparedness tips and safety communications with employees.



17

BUS ROUTES EXPOSURE & ADAPTATION ACTIONS



Temporary Urban/Inland Flooding

- **AD-CC-3.1:** Identify alternative transit routes and modes of transportation and develop protocols for service disruptions or temporary closures during climate hazard events, ensuring effective communication with riders and VTA staff.
- **AD-F-3.1:** Prioritize nature-based solutions to address flooding. This may include coordination with other agencies to restore wetland and riparian habitats on floodplains to further slowdown the flow of floodwaters and hold soil in place.
- **AD-F-3.5:** Install permeable pavement to minimize flood risk in park-and-ride lots that are exposed to temporary flooding
- **AD-F-3.7:** Procure additional and appropriate temporary flood protection barriers to be better prepared during a temporary flood event.

18

BUS ROUTES EXPOSURE & ADAPTATION ACTIONS

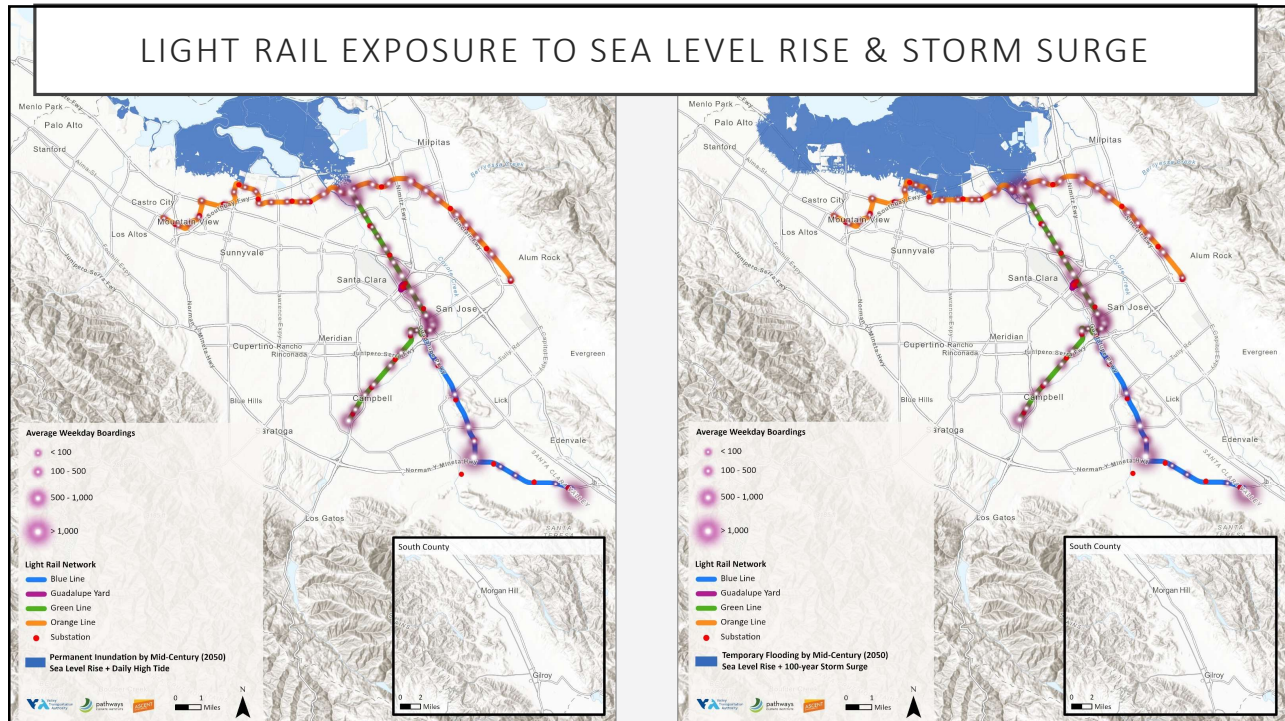
Wildfire Threat

- **AD-F-5.3:** For VTA assets that are in higher wildfire risk areas, manage adjacent trees and vegetation in a way that minimizes risk of wildfire ignition and spread. This may include removing and/or replacing trees with other forms of vegetation or hardening features (e.g., fire-resistant materials) that would reduce risk and ensure adequate defensible space.
- **AD-F-6.2:** Conduct safety audits and inspections across VTA's transportation system (e.g., facilities, buses) to identify and address potential safety risks to riders and VTA staff that would be caused or exacerbated by climate hazards.
- **AD-F-6.4:** Ensure indoor facilities, buses, and trains are equipped with air filtration systems to protect public health from wildfire smoke and the harmful effects of particulate matter pollution.



19

LIGHT RAIL EXPOSURE TO SEA LEVEL RISE & STORM SURGE



20

ADAPTATION ACTIONS FOR LIGHT RAIL

Permanent Coastal Inundation/Temporary Coastal Flooding

- **AD-CC-4.2:** Coordinate with VTA member agencies to explore the establishment of a countywide Climate Resilience District to fund or finance climate adaptation projects and programs, in line with SB 852.
- **AD-F-3.8:** Collaborate with partnering organizations to encourage and expedite shoreline protection and restoration projects to reduce the overall vulnerability of VTA's transportation system to the effects of permanent inundation and coastal flooding.
- **AD-F-3.9:** Incorporate future sea-level rise, permanent inundation, and precipitation projections into long-term infrastructure planning processes, influencing decisions on expansion, relocation, or retrofitting of assets.



21

WE WANT TO HEAR FROM YOU!

- The Draft CAAP is available for review.
- Comments are requested **by November 17, 2023.**
 - Submit comments online at: <https://www.vta.org/caapform> OR
 - Email comments to: community.outreach@vta.org

WE SUPPORT CLIMATE ACTION

One Planet, One Future

VTA Valley
Transportation
Authority



[vta.org/climateplan](https://www.vta.org/climateplan)

22



Climate Adaptation

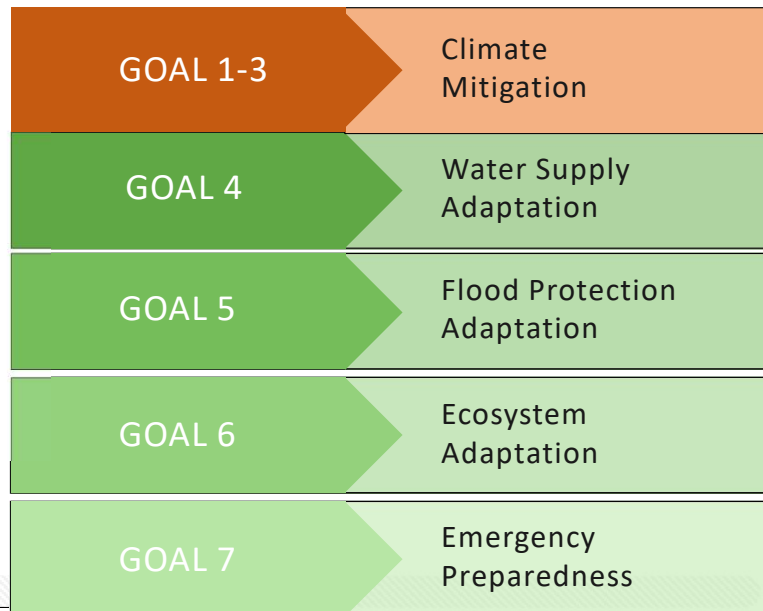
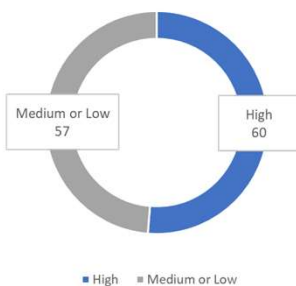
Implementing Valley Water's Climate Change Action Plan
November 16, 2023



23

Climate Action Goals

High Priority Actions (Goals 4 - 7)



24

Water Supply Adaptation

- Strategy**
- S4.1 Diversify local water supplies
 - S4.2 Improve demand management and increase water conservation
 - S4.3 Increase reliability of imported water.
 - S4.4 Support efforts to maintain and enhance source water quality.
 - S4.5 Implement source water improvement and water treatment actions.
 - S4.6 Increase flexibility and resilience of water utility operations and assets.
 - S4.7 Support ecological water supply management objectives.



25

Flood Risk Adaptation

- Strategy**
- S5.1 Minimize riverine flooding risks.
 - S5.2 Minimize flood risk in coastal areas.
 - S5.3 Improve flood preparedness
 - S5.4 Increase the flexibility and resilience of flood protection operations and assets.
 - S5.5 Expand the use of flood forecasting and modeling tools to maximize protection from flood risks.



26

Ecosystem Stewardship Adaptation

Strategy

- S6.1 Protect and enhance ecosystems to improve climate change resilience and wildlife habitat.
- S6.2 Develop and expand programs and plans that support more climate-resilient ecosystems.
- S6.3 Expand the availability of data on regional ecosystems in order to avoid detrimental climate change-related ecosystem impacts.



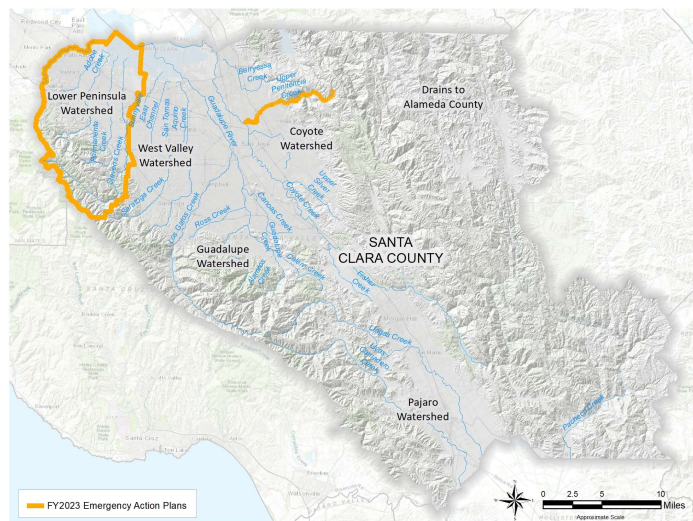
27

Adaptation for Emergency Preparedness

Strategy

S7.1 Maximize Valley Water's emergency preparedness for climate related impacts (e.g.: from flooding, extreme heat events, fire, severe storms).

21
Emergency
Action Plans

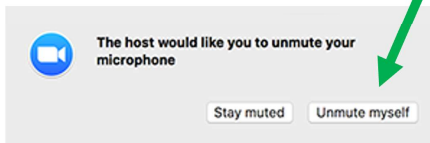


28

Q&A Session

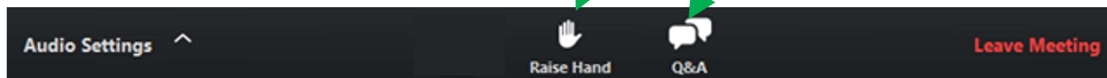
How you can participate

Unmute/Mute: If the host gives you permission, you will receive this notification - **click “unmute myself”** so everyone can hear you



Raise Hand: Raise your hand in the webinar to indicate that you want to make a comment.

Question & Answer: Open the Q&A panel to ask questions.



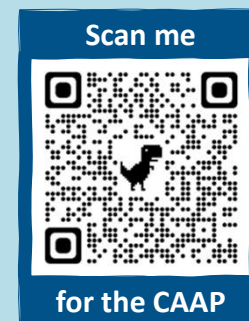
This event is being recorded by VTA for posting on vta.org.

29

Closing Remarks



- VTA is taking comments on the Draft CAAP. Submit comments online at www.vta.org/caapform or send an email to community.outreach@vta.org by 11/17/23.
- More information on how to engage with the County's Office of Sustainability and Valley Water is posted in the chat.
- Thank you!



30

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vta.org/climateplan

Word Scramble

Unscamble the letters to reveal climate change hazards



HUORGTD



TXMEERE FRIALNAL



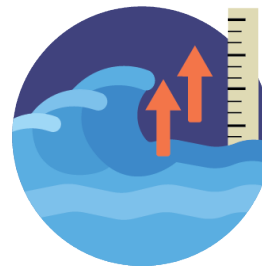
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Climate Action & Adaption Plan **FACTSHEET**

Purpose

The purpose of this Climate Action and Adaptation Plan (CAAP) is to provide a comprehensive plan for VTA to address climate change. It includes actionable strategies VTA will implement to both reduce greenhouse gas (GHG) emissions and address climate change impacts by adapting to and building resilience of VTA's assets and operations. This work is funded by a Sustainable Transportation Planning Grant provided by the State of California Department of Transportation (Caltrans).



Objectives

The primary objectives for the CAAP are to:

- Quantify GHG emissions from VTA operations and countywide transportation.
- Identify strategies and actions to reduce VTA's contribution to climate change by reducing GHG emissions from its operations, as well as actions VTA can take in partnership with agencies and the community to reduce vehicle miles traveled (VMT) and associated GHG emissions.
- Conduct a vulnerability assessment that identifies the risks to VTA's transportation assets and operations from climate change impacts and identify adaptation strategies and actions VTA can take to protect its assets and improve overall resilience to address growing climate risk and uncertainty.



Contact Us

If you are interested in providing input or getting involved, please contact VTA's Community Outreach at community.outreach@vta.org and (408) 321-7575, (408) 321-2330 TTY.





Climate Action & Adaption Plan FACTSHEET

Propósito

El propósito de este Plan de Acción y Adaptación Climática (CAAP, por sus siglas en inglés) es proporcionar un plan integral para que VTA aborde el cambio climático. Incluye estrategias prácticas que VTA implementará para reducir las emisiones de gases de efecto invernadero (GEI) y abordar los impactos del cambio climático mediante la adaptación y el aumento de la resiliencia de los activos y operaciones de VTA. Este trabajo está financiado por una subvención para la planificación del transporte sostenible proporcionada por el Departamento de Transporte del Estado de California (Caltrans).



Objetivos

Los objetivos principales del CAAP son:

- Cuantificar las emisiones de GEI de las operaciones de VTA y el transporte en todo el condado.
- Identificar estrategias y acciones para reducir la contribución de VTA al cambio climático mediante la reducción de las emisiones de GEI de sus operaciones, así como las acciones que VTA puede tomar en colaboración con las agencias y la comunidad para reducir las millas recorridas por vehículos (VMT, por sus siglas en inglés) y las emisiones de GEI asociadas.
- Realizar una evaluación de vulnerabilidad que identifique los riesgos para los activos y operaciones de transporte de VTA derivados de los impactos del cambio climático e identificar las estrategias y acciones de adaptación que VTA puede tomar para proteger sus activos y mejorar la resiliencia general para abordar el creciente riesgo climático y la incertidumbre.



Contáctenos

Si le interesa compartir sus comentarios o participar, comuníquese con el Programa de extensión a la comunidad de VTA llamando al (408) 321-7575, (TTY) personas con discapacidades auditivas llamar al (408) 321-2330.





Climate Action & Adaption Plan FACTSHEET

Mục Đích

Mục đích của Kế Hoạch Hành Động và Thích Ứng Khí Hậu (CAAP) này là cung cấp một kế hoạch toàn diện cho VTA để giải quyết tình trạng biến đổi khí hậu. Nó bao gồm các chiến lược có thể hành động mà VTA sẽ thực hiện để vừa giảm phát thải khí nhà kính (GHG) vừa giải quyết các tác động của tình trạng biến đổi khí hậu bằng cách thích ứng và xây dựng khả năng phục hồi của các tài sản và hoạt động của VTA. Công việc này được tài trợ bởi Tài Trợ Quy Hoạch Giao Thông Bền Vững do Bộ Giao Thông Tiểu Bang California (Caltrans) cung cấp.



Mục Tiêu

Các mục tiêu chính của CAAP là:

- Định lượng phát thải khí nhà kính từ các hoạt động VTA và giao thông trên toàn quận.
- Xác định các chiến lược và hành động để giảm sự đóng góp của VTA đối với tình trạng biến đổi khí hậu bằng cách giảm phát thải khí nhà kính từ các hoạt động của mình, cũng như các hành động mà VTA có thể hợp tác với các cơ quan và cộng đồng để giảm số dặm xe đi (VMT) và phát thải GHG liên quan.
- Tiến hành đánh giá tính dễ bị tổn thương và xác định các rủi ro đối với tài sản và hoạt động giao thông của VTA do tác động của tình trạng biến đổi khí hậu và xác định các chiến lược và hành động thích ứng mà VTA có thể thực hiện để bảo vệ tài sản của mình và cải thiện khả năng phục hồi tổng thể để giải quyết rủi ro và sự không chắc chắn về khí hậu ngày càng tăng.




Liên Hệ với Chúng Tôi

Nếu quý vị muốn đóng góp ý kiến hoặc tham gia, vui lòng liên hệ với ban Tiếp Cận Cộng Đồng của VTA (VTA Community Outreach) theo số (408) 321-7575, (TTY) cho người khiếm thính (408) 321-2330.



LinkedIn Posts

 **VTA**
8,224 followers
7mo • 🌐

At VTA, every day is Earth Day! To officially celebrate Earth month, our team is out and about, talking to the community about sustainability, reducing greenhouse gases, and doing our part to help the environment. Come meet our staff at an Earth Day celebration!

📍 April 19, 2023 - Mission College Eco Fair - <https://bit.ly/3oqsisr>


📍 April 20, 2023 - West Valley College - Earth Stewardship Symposium - <https://bit.ly/3At2yi1>

And what better way to celebrate Earth Day than by 🚶 or 🚲 through [#VivaCalleSJ](#) on Sunday, April 23. Hope to see you there!

[#EarthDay](#) [#cleanair](#) [#enviornment](#) [#busrides](#) [#publictransportation](#) [#VTAcares](#)



 40 2 reposts

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3mo • Edited • 🌐

VTA took part in the 2023 [Silicon Valley Youth Climate Action](#) Annual Leadership Summit at De Anza College and had a great time. We spoke to students about various VTA initiatives, including the Climate Action & Adaptation Plan, Valley Transportation Plan 2050, Equitable Vehicle Miles Traveled (VMT) Mitigation Program, and the Guaranteed Ride Home (GRH) Program. It was a pleasure to see so many people passionate about making a difference! [#publictransit](#) [#futureleaders](#) [#environment](#) [#sustainability](#)



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VTA's Draft Climate Action and Adaptation Plan is now available for public review and public comment. Read about the purpose of VTA's Climate Action and Adaptation Plan (CAAP) and how to submit your comment before Friday, November 17, 2023: <https://lnkd.in/gd4DhncQ>

[#climatechange](#) [#VTA](#) [#publictransit](#) [#community](#) [#enviornment](#)



CAAP
CLIMATE ACTION &
ADAPTATION PLAN

Comments Requested on VTA's Climate Action and Adaptation Plan

vta.org • 1 min read



Gretchen Baisa and 22 others

3 reposts



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Santa Clara Valley Transportation Authority

October 17 at 4:12 PM · 🌐

VTA's Draft Climate Action and Adaptation Plan (CAAP) is now available for public review and comment. Read about the purpose of VTA's CAAP and how to submit your comment before Friday, November 17: <https://www.vta.org/.../comments-requested-vtas-climate...>

#climatechange #VTA #publictransit #community #enviornment



CAAP
CLIMATE ACTION &
ADAPTATION PLAN

VTA.ORG

Comments Requested on VTA's Climate Action and Adaptation Plan



7



Santa Clara Valley Transportation Authority

October 25 at 8:00 AM · 🌐

Join VTA for an interactive workshop centered on the Climate Action and Adaptation Plan (CAAP) 🌿💧 that will feature mini-presentations followed by a smaller group dialogue.

Also, the Draft CAAP is available for public comment.

More information: <http://vta.org/climateplan>



CAAP
CLIMATE ACTION &
ADAPTATION PLAN

**Climate Change
Workshop**

October 26, 2023

3 - 4:30 pm

De Anza College - Campus Center



5



3



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Comment

X (formerly Twitter) Posts



VTA
@VTA



First stop: Climate Action and Adaptation Plan (CAAP) 🌱💧

The Draft CAAP is available for public comment: vta.org/climateplan



10:20 AM · Oct 21, 2023 · 531 Views



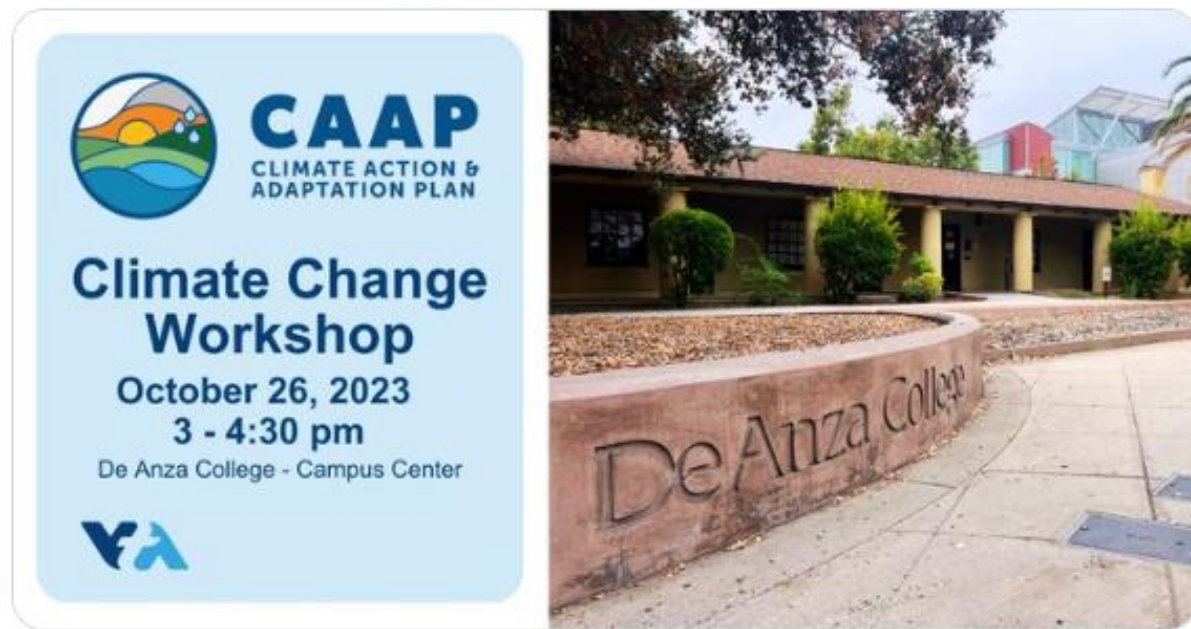
VTA
@VTA



Join VTA for an interactive workshop centered on the Climate Action and Adaptation Plan (CAAP) 🌱💧 that will feature mini-presentations followed by a smaller group dialogue.

Also, the Draft CAAP is available for public comment.

More information: vta.org/climateplan



8:00 AM · Oct 25, 2023 · 1,010 Views



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🌿💧 Read about the purpose of VTA's Climate Action and Adaptation Plan (CAAP) and how to submit your comment by Friday, November 17: bit.ly/47aMuzw

☀️ You can also join the upcoming webinar next week to learn more: bit.ly/3Mwi0f



12:00 PM · Nov 2, 2023 · 243 Views



VTA @VTA · 11/14/23



Have other ideas to respond to the [#climate](https://twitter.com/hashtag/climate) crisis? Check out the [#VTA](https://twitter.com/hashtag/VTA) Draft Climate Action and Adaptation Plan to provide input by 11/17/23: vta.org/climateplan

VTA IS COMMITTED TO REDUCE THE IMPACT OF DEVELOPMENT AND TRANSPORTATION INFRASTRUCTURE ON THE ENVIRONMENT BY

Protecting open space

Conserving, and restoring habitat

Enhancing biodiversity

Increasing carbon sequestration

Improving wildlife connectivity



951



X (formerly Twitter) Posts



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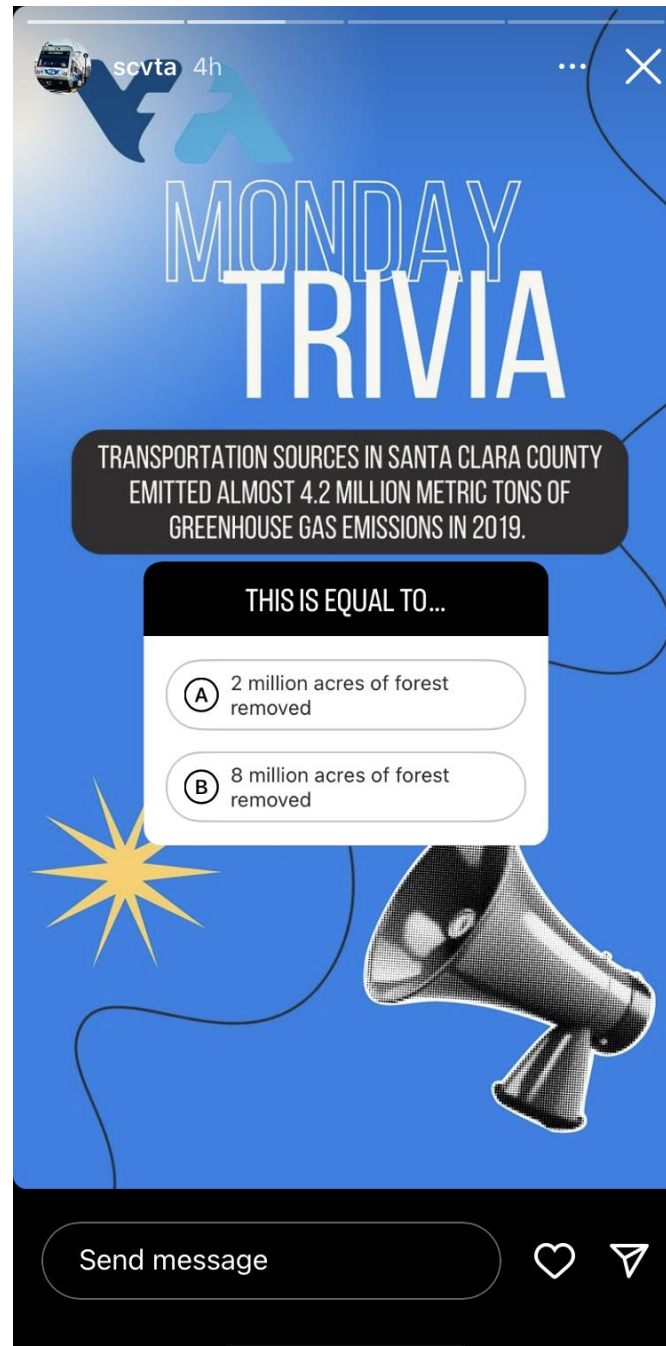
#NationalRecyclingDay: Recycling is good for the environment, but buying less & reducing waste is even better. VTA's CAAP proposes actions to reduce construction & demolition waste in VTA projects to reduce GHG emissions. bit.ly/49su4wj

*Public comments are due 11/17.

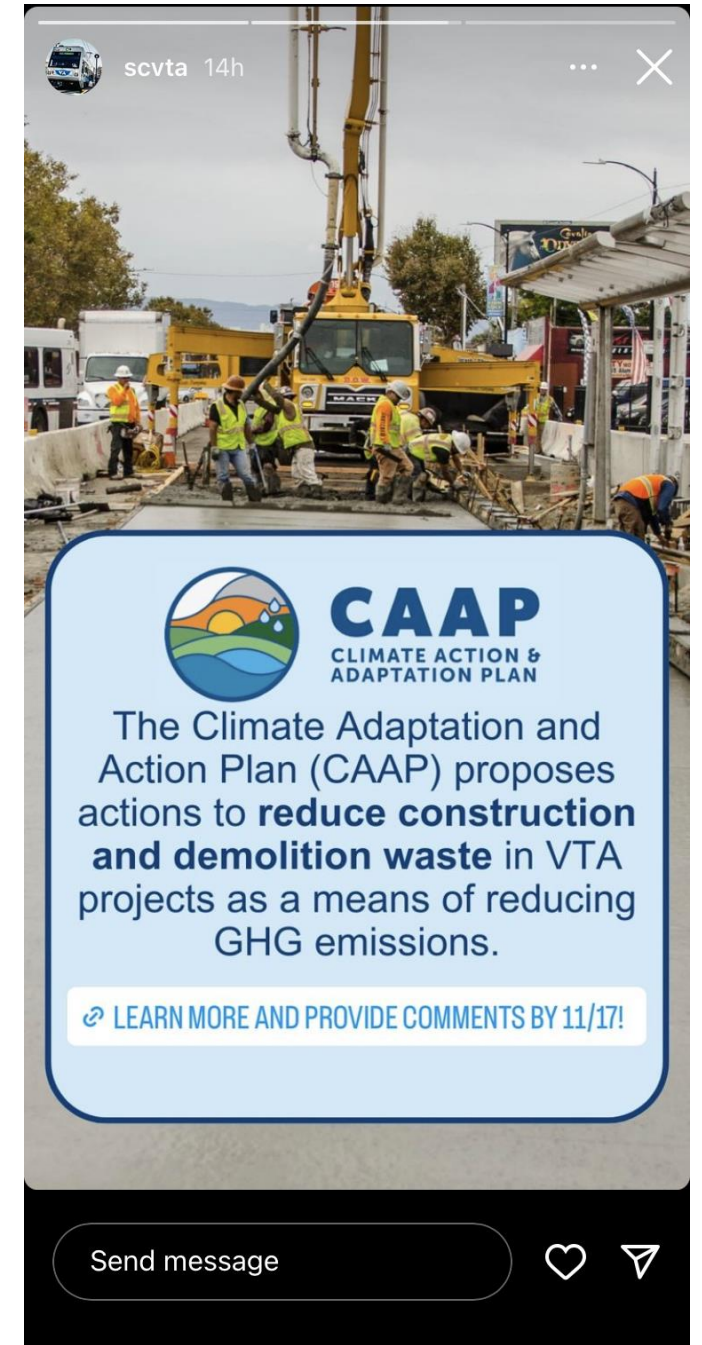
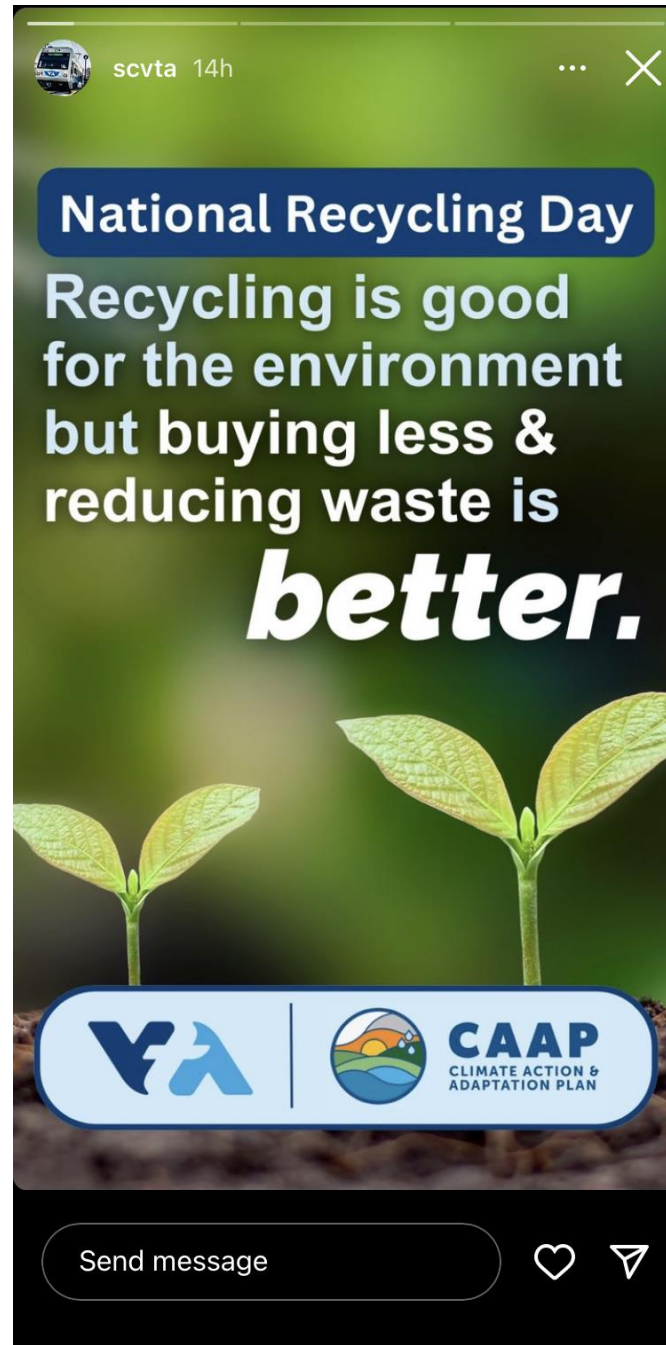
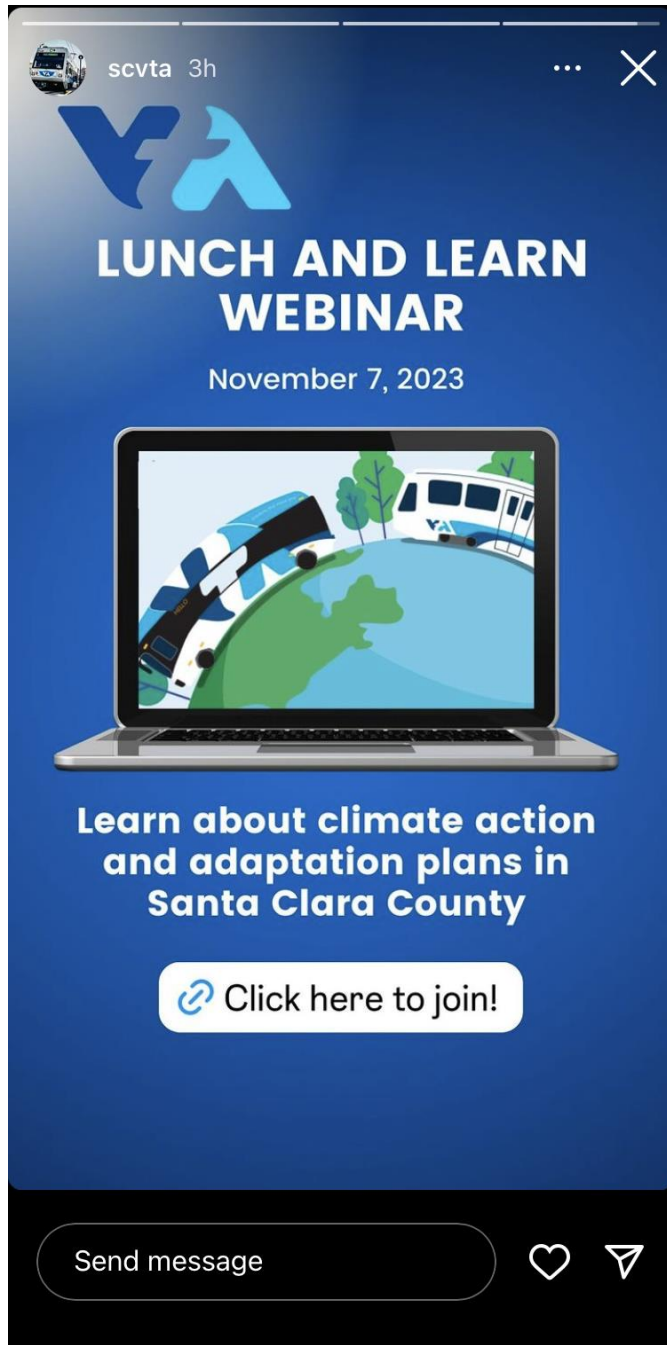
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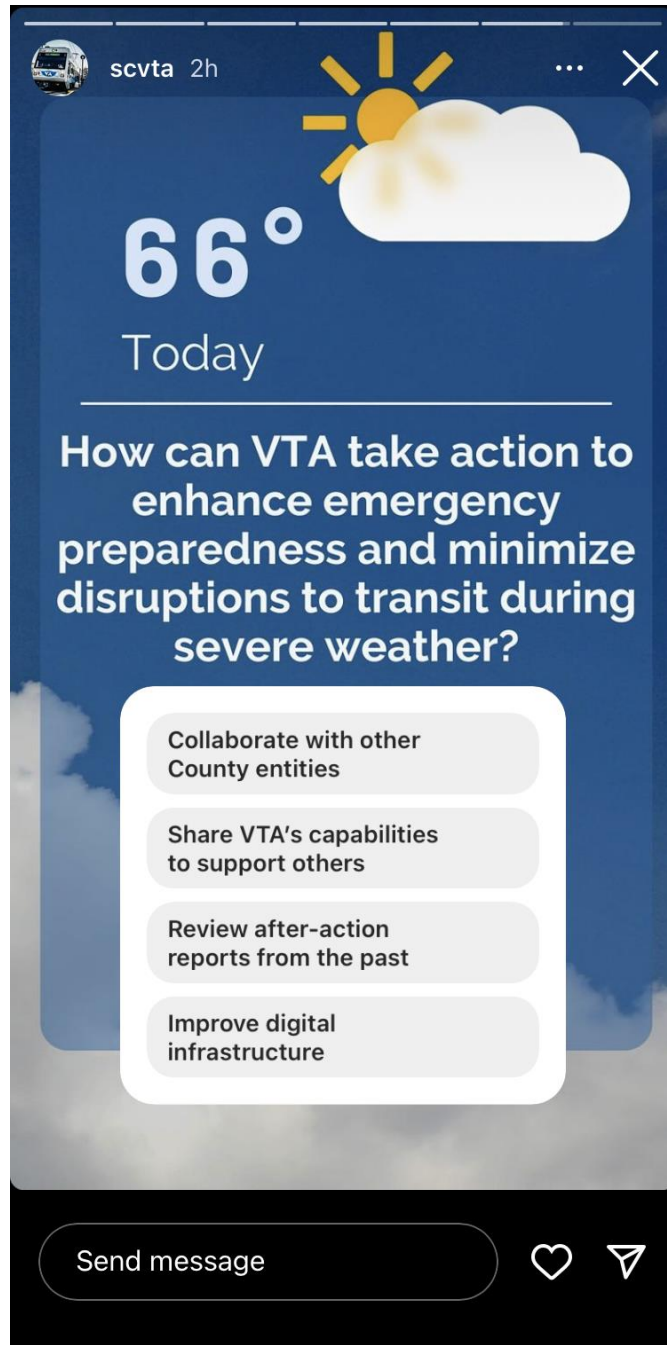
Instagram Stories



Instagram Stories



Instagram Stories



E-mails to Distribution List

From: VTA Community Outreach <community.outreach@vta.org>
Sent: Monday, October 16, 2023 12:14 PM
Subject: [EXTERNAL] VTA's Draft Climate Action and Adaptation Plan Available for Public Review

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CAAP CLIMATE ACTION & ADAPTATION PLAN

VTA's Draft Climate Action and Adaptation Plan Now Available

[VTA's Draft Climate Action and Adaptation Plan](#) is now available for public review and comment. The purpose of VTA's Climate Action and Adaptation Plan (CAAP) is to reduce greenhouse gas emissions (GHG) associated with transportation use and operations and prepare for climate change impacts that are already occurring and projected to get worse over time.

This CAAP represents VTA's first comprehensive look at the climate crisis, and Santa Clara County's first look at climate change through the transportation

lens, specifically. Work on the CAAP started in 2022 with a community survey and public workshop, followed by data collection and analysis which included quantifying GHG emissions and conducting a vulnerability assessment of VTA's transportation assets and operations. This information was used to develop two lists of proposed strategies, measures, and actions: one that addresses reducing GHG emissions, and another that addresses preparing for sea level rise, flooding, wildfire, extreme heat, and drought. The Draft CAAP includes all this information and more!

We want to hear from you! Now is the time to provide input. Please email your comments to community.outreach@vta.org by Friday, November 17, 2023.

The CAAP will be revised based on input received and is targeted to be complete by March 2024. For more information, check out the project website at vta.org/climateplan.

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E-mails to Distribution List

From: VTA Community Outreach <community.outreach@vta.org>
Sent: Monday, October 23, 2023 3:44 PM
Subject: [EXTERNAL] Join VTA at Upcoming Events for Draft Climate Action and Adaptation Plan

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CAAP CLIMATE ACTION & ADAPTATION PLAN

Engage with VTA's Draft Climate Action and Adaptation Plan

As Santa Clara County's congestion management agency and provider of bus, light rail, and paratransit services, VTA understands the urgent need to reduce greenhouse gas (GHG) emissions now, while simultaneously taking steps to adapt, and prepare for more frequent and intense flooding, extreme heat, sea level rise, wildfire, and drought. That's why VTA drafted a Climate Action and Adaptation Plan (CAAP) that addresses both GHG reduction and climate change adaptation.

VTA's Draft CAAP is now available for public review and comment.

Please [submit your comments online](#) or by email to community.outreach@vta.org.

Comments must be received by Friday, November 17, 2023.

Upcoming Events:

Join VTA and Students for Equity and Environment at De Anza to learn more about the CAAP and related projects that seek to reduce GHG emissions on **Thursday, October 26** from 3:00 to 4:30 PM. This event will be held at De Anza College, Campus Center Upper Level Conference Room A, 21250 Stevens Creek Blvd. in Cupertino, and is accessible by Bus Routes 23, 25, 51, and 55. [RSVP on Eventbrite](#).

You are also invited to a virtual lunch-time talk about climate change adaptation on **Tuesday, November 7** from 12:00 to 1:00 pm on Zoom. This event will include presentations from VTA and Valley Water. [Register on Eventbrite](#).

For more information, check out the project website at <http://www.vta.org/climateplan>.



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From: VTA Community Outreach <community.outreach@vta.org>
Sent: Monday, November 6, 2023 9:45 AM
Subject: [EXTERNAL] TOMORROW! Virtual Lunch and Learn: Adapting to Climate Change in Santa Clara County
Follow Up Flag: Follow up
Flag Status: Completed

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CAAP

CLIMATE ACTION & ADAPTATION PLAN

Virtual Lunch and Learn: Adapting to Climate Change in Santa Clara County

VTA's [Draft Climate Action and Adaptation Plan \(CAAP\)](#) is available for public review and comment through November 17, 2023. The purpose of VTA's CAAP is to identify actions VTA can take to reduce greenhouse gas emissions (GHG) associated with transportation use and operations and prepare for the impacts

of climate change. We want to hear from you! Please [submit your comments online](#) or email community.outreach@vta.org.

To learn more about the Draft CAAP, join us for a virtual lunchtime talk on Tuesday, November 7, from 12 to 1 pm. This event will be moderated by Breann Boyle, Senior Sustainability Analyst at the County of Santa Clara's Office of Sustainability. Panelists include Lani Lee Ho, Senior Environmental Planner at Santa Clara Valley Transportation Authority (VTA), and Brian Mendenhall, Senior Water Resources Specialist at Santa Clara Valley Water District. [Register here.](#)

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