

7/13/2021

item 7



**City Council
Hearing**

**Item #7 : Update on
Sustainability Program and
Feedback on Program
Priorities**

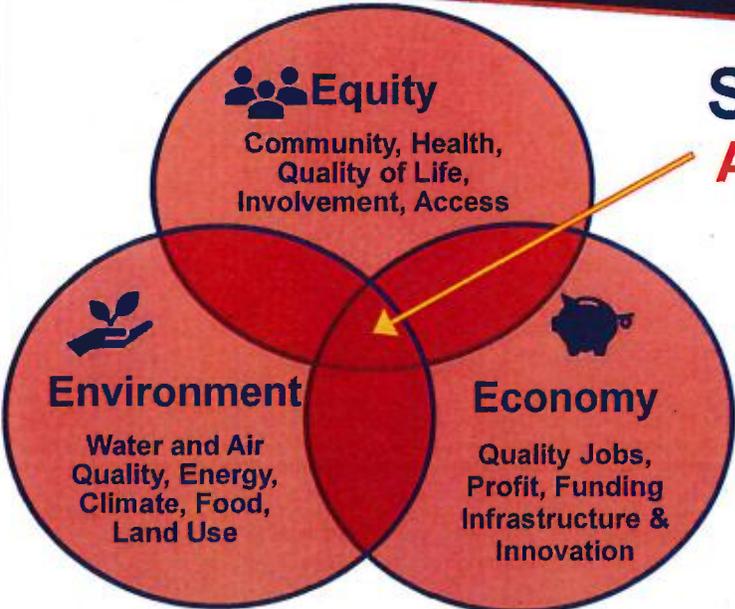
RTC # 21-782

July 13, 2021

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City of
Santa Clara
The Center of What's Possible



Equity
Community, Health,
Quality of Life,
Involvement, Access

Environment
Water and Air
Quality, Energy,
Climate, Food,
Land Use

Economy
Quality Jobs,
Profit, Funding
Infrastructure &
Innovation

**Sustainability
A Balancing Act**

Agenda:

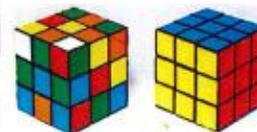
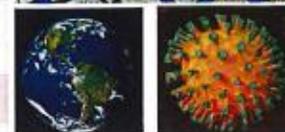
- Sustainability Today
- Where We Are
- Where We Want to Be
- When We Need to Get There
- How We Get There - Status & Future Priorities

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Equity, Climate, COVID 19

	Equity	Climate	COVID
Global impact	X	X	X
Grows exponentially after certain thresholds	X	X	X
Physical crisis with data-based backing	X	X	X
Disproportionately impacts vulnerable, low income, people of color	X	X	X
Long term solutions key to resilience	X	X	X
Communities are leading the way in change	X	X	X



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Where We Are Now Strong Sustainability Baseline



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Where We Want to Be

Meet Environmental Targets
Support a Sustainable Santa Clara
Minimize Future Compounding Crises



- Build sustainability lens into operations and programs
- Establish unified City goals, strategies, advanced planning
- Advance and support sustainability policies and legislation



When We Need to Get There

State Climate Regulations

2020-21	2025	2030	2033	2035	2045	2050
50% Reduction Organics Recycling Diversion (SB1382)	75% Reduction Organics Disposal	40% GHG Emissions Reductions (SB32)	Diesel Free by '33 Council Pledge	80% GHG emissions reductions (Proposed Council CAP target)	100% Carbon Free Electricity (SB100)	80% GHG Emissions Reductions (SB32)
CAP Update	50% Renewable Electricity	60% Renewable Electricity				
Reach Codes	1.5 M EV's 250 K EV Charging	5M ZEV's		EV sales (N-79-2)	Carbon Neutral (CA B-55-18)	

Later
 Tomorrow
 Today
 NOW



How We Get There

Integration Priorities In Action

Efforts	Complete	In Progress
Update to Climate Action Plan		✓
Fleet Electrification Plan -10 vehicles purchased, 9 on order		✓
New green purchasing policy	✓	
Facility greening – Northside Library 62 MWh solar, microgrids	✓	✓
Water & Sewer projects - Recycled water offsets 19% of potable water	✓	
Sustainable Parks projects - Smart irrigation, water conservation, tree plantings, EV charging, Jerry Marsalli solar	✓	✓

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How We Get There

Proposed Integration Priorities



- Align implementation of plans
 - CAP, IRP, Bicycle Master Plan, Fleet Electrification, UWMP
- Update green purchasing policy as opportunities arise
 - SB 1383 mandate, RFP sustainability practices, product circularity
- Incorporate sustainability - parks, facilities, and operations
 - EV fleet & charging, water conservation, “Sustainable Parks” strategies, microgrids

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How We Get There

Innovation Priorities in Action

Efforts	Complete	In Progress
Building electrification reach codes		✓
Energy efficiency rebate savings equivalent to annual usage of over 2,000 homes (E-bicycle, heat pump water heaters, EV's & chargers)	✓	
Electric Vehicle Blueprint - 96 City owned public charge connectors		✓
50 MW battery storage project		✓
Clean mobility efforts - 2.5 miles of bicycle lane improvements with 5.9 miles on the way, Complete Streets public outreach efforts	✓	✓
City-wide collection of organics (food waste)	✓	

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How We Get There

Proposed Innovation Priorities

- Explore and expand sustainable energy solutions
 - Reach codes, SVP Integrated Resource Plan, battery storage
- Explore and expand sustainable transportation and clean mobility options
 - EV Blueprint, active transportation improvements
- Identify and implement water conservation, nature-based solutions, and natural resource conservation strategies



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How We Get There

Collaboration/Connection Priorities in Action

Efforts	Complete	In Progress
Implemented cross-departmental Green Team	✓	
Developed new Sustainable Santa Clara webpage and outreach	✓	✓
Reached 2000 residents through Virtual Earth Month activities	✓	
Engaged Santa Clara youth climate voice	✓	✓
Hosted CAP and Reach Codes community input forums	✓	
Hosted Electric Vehicle (EV) community workshops	✓	
Built regional partnerships - climate, urban forest, electrification	✓	✓
Established sustainability Legislative Advocacy Positions	✓	



How We Get There

Proposed Collaboration & Connection Priorities

- Expand community education & outreach and provide community engagement opportunities
 - Energy, water, sewer, waste, mobility, park lands
 - Work with educational partners, workforce, residents and businesses
- Utilize partnerships to increase reach and impact
 - Collaborate locally/regionally on climate, urban forests, water etc.
- Update sustainability Legislative Advocacy Positions





Sustainability Pillar

2021 Proposed Sustainability Priorities Summary

- Align implementation of plans through cross-departmental collaboration
- Continue to expand electrification and charging
- Update green purchasing policy/practices to meet mandates and show leadership
- Expand sustainability projects in City parks and throughout facilities
- Explore clean mobility options
- Explore and expand sustainable energy solutions
- Expand community education & outreach programs and provide community engagement opportunities (water resources, waste reduction, energy, mobility etc.)
- Utilize partnerships to increase reach/impact across targeted sustainability areas
- Update Sustainability Legislative Advocacy Positions

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Recommendation

Title: Sustainability Program Update

Staff Recommendation:

- Note and File Sustainability Program Update and Provide Feedback on Program Priorities

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Where We are Now

2020 Council Sustainability Pillar Priorities

- ✓ Establish internal Sustainability Working Group
- ✓ Initiate Climate Action Plan Update (and community engagement process)
- ✓ Explore and propose new building electrification reach codes (and community engagement process)
- ✓ Expand community engagement opportunities
- ✓ Expand energy incentives
- ✓ Develop greening options for City facilities and operations such as waste reduction, green purchasing, building and custodial greening, lighting retrofit projects, etc.
- ✓ Collaborate with regional sustainability groups to explore, develop and propose clean mobility policies and programs

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