



# Appendix B: Ideas Roster

# Ideas Roster

The Climate Action Playbook draws on more than 240 ideas, the majority of which were sourced from our community through the OpenIDEO online challenge and the large in-person community workshop. Ideas also originated from City staff, leading City best practices, as well as CAP 1.0 actions that were identified for ongoing implementation. This appendix contains the complete list of ideas evaluated for the Climate Action Playbook. Each idea is identified by a randomly assigned, unique Idea ID#. The Next Moves (presented in *Game Plan 2022: Our Next Moves*) were developed by staff drawing inspiration from chosen elements of these ideas, and based on their feasibility, cost, and alignment with the City's overall goals and departmental programmatic priorities. The Next Move ID# is indicated where selected ideas from this list contributed to the development of the Next Moves for implementation by year 2020.

Strategy 1: Promoting Clean Energy		
Idea ID #	Idea Description	Next Move(s) ID#
1	Continue to support and steer SVCE (Sunnyvale's community choice energy provider) in providing clean power for Sunnyvale's residents and businesses.	1.A
2	Target direct access shift to 100% RE	1.B
266	Organics to energy at Donald M. Somers Water Pollution Control Plant.	1.C
415	Work with SVCE to maintain a SVCE GreenPrime opt-out rate of no more than 3% in line with 2019 and provide educational materials to community members on available incentives and benefits of the program.	1.D
417	Implement policies to support the development of pervasive solar arrays in Moffett Park to increase the overall energy capacity of the planned new development.	1.E
5	Incentivize local solar, efficiency, and storage	1.F
419	Pilot a district thermal energy system with energy storage at Moffett Park to serve as a potential model for other areas.	1.G
3	Solar roofs: We need to require developers to install solar panels on all new office buildings, just like San Francisco, Santa Monica and Lancaster.	
4	Require solar for new construction	
6	Partner with SVCE to boost 100% RE participation	
7	Pilot new technologies (e.g., microgrids)	
8	Improve the Electric Power Mix	
244	Evaluate the feasibility of adding solar panels to the WPCP pond (floatovoltaics)	
252	Evaluate the feasibility of adding solar panels to the closed landfill	
254	As part of the Cleanwater Masterplan we should look at opportunities to generate more electricity, minimize electricity purchased, and lower the peak load	
259	Evaluate adding solar panels to water tanks	
274	Homeowners with rooftop solar should be incented to put the maximum number of panels on their roof to generate more clean energy to sell to the grid.	
276	Support for solar panels, even on apartments	
278	Change Sunnyvale rules around solar installs, allow for off-grid installations with batteries (currently not allowed).	

## Strategy 1: Promoting Clean Energy

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282	Green Electricity: Add incentive for 24x7 actual green electricity supply. So actual delivered electricity is directly green, not just gray electricity that has been greenwashed by purchasing a carbon offset somewhere else. Report results to each consumer monthly	
283	Building Code: Residential roof (new or re-shingle) to move penetrations (e.g. vent pipes) away from southish facing portion to make clear space easy & less expensive for installation of more solar panels	
285	Support alternative solar such as thermal and awning solar. What is lacking is true support with staff and vendors in Ground based, pole mount solar and awning solar mounting (not roof) and thermal water heater. City and its vested interest vendors are doing their best to impede my solar needs.	
286	Encourage rooftop solar panel installations by various ways: attractive subsidies, buy back the excess produced electricity at a good rate. Sunnyvale is a very sunny city with many spread-out houses BUT with so few rooftop solar panels.	
291	Solar PV should become required retrofit by 2028 for each existing residential dwelling, at least .75kW per bedroom, roof area and shading permitting. Micro-inverters should be required if shading is an issue.	
312	More incentives and programs for residential and commercial solar systems. Ensuring barriers for manufactured homes and HOA communities to adopt solar are removed.	
318	We should study Palo Alto's incomplete and bumpy ride towards banning gas leaf blowers, which will be banned in the whole state in 2024 with AB1346. The PA mayor has suggested having friendly letters for neighbors to print and hand out when they run into a homeowner which hires a gas-leaf blower to encourage constructive communication between neighbors instead of cops with guns.	
321	I urge the Council to join other cities throughout California to urge the California Public Employees Retirement System to kill its fossil fuel investments. Put those holdings instead into sustainable and renewable holdings.	
337	Streamline permitting for solar, battery storage, and electrification upgrades.	
346	Carbon Tax. Implement a local carbon tax on 1) the direct access electricity component that is generated with fossil fuels (dirty electricity UUT), 2) gasoline & diesel sales, 3) natural gas sales (Utility User Tax increase), and 4) embedded carbon in new construction (Carbon Impact Developer Fee). Utilize the revenue to fund, finance or incentivize local electricity storage, low income home electrification retrofits, MUD electrification retrofits, and addition of EV charging to MUDs. Justification for the tax is to improve public health, support electrification for low and moderate income families, and prepare for an end of gas flow date.	
353	Allow alternative solar installation methods such as ballasts and pergolas.	
360	Offices usually use so much unnecessary energy, during Covid the most, with there being only a few people in the office, office lights remained on and even in the night. If we require tech companies to put solar panels on the roof of the building, it will be long term cost efficient for the company and save energy at the same time.	
364	Turning off lights at schools during the night and add solar panels on every school building.	
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405	Partner with regional entities like SVCE to incentivize switching residential homes, multi-family homes and businesses from gas to all electric. Depending on where the valves are, and what would be most efficient, set target dates for gas system delivery shut off to neighborhoods and finally to the whole city.	

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### Strategy 2: Decarbonizing Buildings

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9	Benchmarking Requirement: Require commercial properties to benchmark their energy consumption annually and require energy audits every five year with implementation.	2.A

## Strategy 2: Decarbonizing Buildings

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10	Energy Benchmarking and Retrofit Policy/Programs for Energy Benchmarking: Characterize building stock and analyze feasibility for various energy efficiency programs per building type. Draft Energy Benchmarking Ordinance to improve overall system performance in the existing building stock and contribute to city-wide energy use reductions. Include stakeholder outreach, trades training and education, and prepare financing and incentive options. Establish energy score program and performance standards. Public awareness campaign and incentives for building performance.	2.A
273	Subsidized energy efficiency upgrades for existing homes such as insulation, dual pane windows, or appliance and HVAC upgrades. Ensure barriers for manufactured homes and HOA communities are removed.	2.B
246	Conduct a municipal buildings greenhouse gas inventory. Last one was conducted in 2014.	2.C
12	Outreach and Incentives for Electrification program (Heat pump water and space heaters): Build atop city's free energy audit program: launch a Score card program for single-family residents to track and reduce energy use; and include electrification incentives and options at time of audit.	2.D, 2.N
13	Pay for the Panel Program: Remove financial obstacles for the adoption of clean energy technologies.	2.D, 2.N
14	Kick Out Carbon: Develop and Publicize electrification Incentives.	2.D, 2.N
15	ZNE + All-Electric Incentives and Recognition program: While ZNE is mandatory for new construction in 2020, existing building stock will also need to be addressed to achieve GHG goals. incentivize and tell the success stories.	2.D, 2.N
16	Municipal facility leadership by example: Upgrade muni. facilities as ZNE demonstration projects using win-win financing strategy.	2.E, 2.N
250	Research and develop a financing method/program to support electrification of existing buildings.	2.F
290	Gas or propane fired space heating should be phased out by 2028, in favor of heat pump technology. Also, ICE-based vehicles should no longer be permitted to be sold in Sunnyvale after 2028.	2.G
388	Require electrification for any remodel involving more than 25% of home sq. ft. or any HWH, HVAC or kitchen replacement. Require energy audit disclosure/filing for every home/building at sale, with electrification required within 2 years. Sunset new gas installs by 2025. Shut off residential access to gas by 2030.	2.H
421	Develop a commercial building electrification strategy (CBES) to aid in development of a commercial building electrification ordinance with a detailed commercial natural gas usage analysis, an analysis of potential impacts to the local commercial sectors via direct engagement to small and minority-owned businesses, and an electrification costs analysis.	2.I
422	Adopt an electrification ordinance for existing commercial buildings by 2023 to be implemented through the building permit process, which bans expansion of natural gas infrastructure and requires appliance replacements to be all-electric where technologically feasible (exceptions can be made where all-electric alternatives to do not exist or are more than 100% more expensive than the natural gas-powered replacement).	2.J
423	Enforce residential and commercial electrification ordinance compliance by developing and implementing a comprehensive permitting compliance program which includes routine staff training, dedicating staff time to building inspections, charging fees for noncompliance, providing easy to understand compliance checklists online and with permit applications, and facilitating permitting online.	2.K

## Strategy 2: Decarbonizing Buildings

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243	Gas Utility Franchise Agreements: Can the franchise agreement re-negotiation be used to incentivize/fund climate action goals. Enter into shorter term agreements to allow for future opportunities to reduce gas in cities.	2.L
426	Join the World Green Building Council's Net Zero Carbon Buildings Commitment by requiring all new residential and commercial buildings are net zero carbon (in terms of embodied carbon and operational carbon) by 2030.	2.M
334	Develop an existing buildings electrification strategy to analyze the existing building stock of the City, with a focus on low-rise residential, and identify a pathway for an equitable transition to all-electric buildings. This transition includes replacing natural gas burning appliances and equipment in existing buildings with high efficiency electric powered versions. See Berkeley's draft existing buildings electrification strategy.	2.N
11	Establish a residential energy conservation program that encourages or incentivizes homeowners to perform energy and water audits, with an emphasis on leveraging homeowner decision-making during home sale, purchase, and remodel.	
17	Improve permit process and ordinance requirements: Maximize GHG reductions and coordinate improvement of permit process in accordance with new ordinance requirements such as Green Building Program Update or others. For example, expand the streamlined solar permitting process to include all rooftop solar project in the city (residential multi-family, commercial and industrial).	
18	No New Fossil Infrastructure: City would not purchase new capital eqpt., permit new comm. or res. development, or implement infrastructure that directly uses fossil fuels.	
19	Differential Utility Tax Rate: Work with other cities and PG&E to enable Sunnyvale to implement a lower Utility User Tax on electricity and to raise the tax on natural gas.	
20	Evaluate and update the 2009 Zoning Code for Green Buildings for single-family, multi-family, and non-residential building construction and major remodels every three to five years.	
21	Connect businesses and residents with rebate programs that give priority to appliances with smart grid technology.	
22	Sunnyvale residents can get paid to save energy: OhmConnect is a free service in Sunnyvale that rewards you for saving energy when it matters most to the grid and the environment.	
23	Identify businesses that are likely to be the largest consumers of energy within the city and target City outreach to these businesses.	
24	Home Smart Track: A piece of hardware that monitors a user's energy usage for smarter consumption through visualization of aggregated user data.	
25	Home Energy Clock: A display, like a clock on the kitchen wall, that shows real time use of electricity, gas and water in kw, therms and cft plus dollars.	
26	Free energy audit for home and building owners: Building and home owners will be offered free-of-charge energy audit to identify best efficiency opportunities.	
27	Incentive-based policy for carbon capture and sequestration in building materials: Sunnyvale should create an incentive-based approach to encouraging construction using building materials that sequester carbon.	
28	Eco Housing: Convert the Sunken Garden golf course into a farm and eco housing condos.	
29	GHG>15%! Replace risky, toxic, inefficient (10%Eff!) Fireplaces and BBQ with 80%Eff. NG sealed-safe FP-Inserts & 90%Eff. hot water heaters.: GHG>15% Replace smoggy 10%Efficient Fireplaces & BBQs with 80%E NG(Without Solar-PVC) fireplace Inserts and >90%E hot water heaters.	

## Strategy 2: Decarbonizing Buildings

Idea ID #	Idea Description	Next Move(s) ID#
30	Reducing Air Conditioner Use in Sunnyvale.: This proposal will consider strategies to reduce air conditioner use in existing buildings and new construction in Sunnyvale, including tree planting and shading of buildings.	
31	One Stop Trusted Energy Shop: City energy consultants for residents and businesses for one on one help on implementation of solutions	
32	Turn Lights Off: I turn my lights off as I use them, maybe the many office buildings who leave their lights on 24/7 could do the same.	
33	Green Certification for businesses in Sunnyvale: Businesses can receive certifications that they are conserving energy to provide them incentives to do so.	
34	Green lease program: City provides recognition program for commercial developers or building managers who offer green leases. Green leases allow developers/property managers to invest in energy efficiency features and pass on a portion of the cost to the tenants. Tenants, in turn, pay for the energy use and are motivated to save energy.	
35	Revenue Neutral Carbon Tax on Natural Gas: Add carbon tax per therm to every SV user of Natural Gas which is used to provide rebates for switching to electric for space heating, etc.	
36	Streamline Permitting for Carbon Neutral Building: Accelerate the update of carbon-neutral building.	
37	Solar Hot Water: Make free non Co2 energy from the Sun.	
38	Fast install solar: Modular, possibly prefabricated, standardized approach to solar installation.	
39	Tours and Demos of Decarbonized homes/businesses: Once a year set a day where folks can tour homes + businesses that have innovated in reducing energy use & promoted low or no carbon tech.	
40	ZNE New Construction Policy: Enforce compliance with ZNE New Residential Construction goals of 15% above Title 24 standards for single-family residences and 10% above for high-rise properties with accompanying solar mandates. Incentivize and recognize commercial ZNE.	
41	Updated Green Building Code and Developer's Carbon Impact Fee: Utilize city's Green Building Code & impose Carbon Impact fee to encourage green building feat. that go beyond state's standards.	
42	Require all new and resurfaced parking lots, sidewalks, and crosswalks to be made of materials with high reflectivity, such as concrete or reflective aggregate in paving materials.	
43	Commit to using a warm aggregate mix for all asphalt patching, overlay, and reconstruction.	
44	Adoption of CALGreen Tier 1 or Tier 2 reach codes.	
241	Use eco-brick or eco-concrete.	
242	Develop a plan to phase out fossil fuel infrastructure.	
243	Gas Utility Franchise Agreements: Can the franchise agreement re-negotiation be used to incentivize/fund climate action goals. Enter into shorter term agreements to allow for future opportunities to reduce gas in cities.	
245	Add electrification consideration into the purchasing policy	
269	More incentives / encouraging for energy saving. More encouragement of electric vehicles (or bicycles or scooters). Run dishwashers and laundry on cold wash. Install better windows or solar shades that reduce need for heating/cooling	
271	Change building codes to allow solar on manufactured homes	

## Strategy 2: Decarbonizing Buildings

Idea ID #	Idea Description	Next Move(s) ID#
279	Incentive for light colored roofing materials. White or tan roofs will save energy and reflect heat upward as the climate warms.	
281	Building Code: Residential roof design to increase southish facing portion to promote installation of more solar panels.	
287	Higher tax on energy to incentives people to be more mindful of energy consumption and conserve. I see so much energy waste among most households. Then the proceeds can be used to subsidize home improvements related to more energy efficiency, as well as rooftop solar panels.	
289	Solar PV should become required for each new residential construction, at least 1kW per bedroom, roof area and shading permitting. Micro-inverters should be required if shading is an issue.	
294	Starts family dwelling gas to electric. 1. On-site review of homes identify air leaks, insulation needs, lighting updates, etc.. 2. Provide incentives for transition to induction stove tops, instant electric water heaters, electric heating, etc. 3. Provide current status with cost trades for electric automobiles. 4. Update Sunnyvale electrical grid to reduce transmission loss.	
299	Go beyond current reach codes in phasing out gas cooking. Ban the installation of gas cooktops in commercial and retail establishments. Charge a substantial fee on gas cooktops installed in residences. Use the proceeds to fund more Cool Cooktops (and maybe air quality monitors and thermal imagers) for Library patrons to check out	
304	Promote heat pump HVAC units	
309	Encourage more free energy audits at home	
314	No new residential buildings with fossil-fuel appliances	
323	Whenever SVCE makes a menu of model policies available for decarbonizing buildings (e.g. Reach Codes 2.0), commit to implementing the most aggressive option(s) available from that menu.	
324	Identify criteria (market readiness, equity, etc.) for implementing an "electrify on burnout" ordinance for natural gas appliances, and pass such an ordinance including mechanism for regular review of the criteria until they are met and the ordinance can go into effect.	
325	Implement a revenue-positive differential Utility Use Tax, with new revenue dedicated to decarbonization programs focused on electrification for low-income residents.	
334	Develop an existing buildings electrification strategy to analyze the existing building stock of the City, with a focus on low-rise residential, and identify a pathway for an equitable transition to all-electric buildings. This transition includes replacing natural gas burning appliances and equipment in existing buildings with high efficiency electric powered versions. See Berkeley's draft existing buildings electrification strategy.	
340	Expand the reach code to include existing buildings. Consider building standards for utilizing low carbon materials in construction	
347	Support electrification of existing homes and businesses at sale. Rebates and incentives in Game Plan 2028 will likely not be enough to get on track to achieve the goal of 20% of homes and businesses completely electrified by 2030. Some combination of mandatory measures such as 'replace on burnout', 'electrify upon sale', or require electrifying any appliance touched by any size remodel or Tenant Improvement, will be needed. Equity supports for low and medium income should be implemented.	

## Strategy 2: Decarbonizing Buildings

Idea ID #	Idea Description	Next Move(s) ID#
347	This may include funding for direct installation of heat pumps and electric panel improvements, no or low-cost on-bill financing for electrification, and innovative public-private funding models. Other policy possibilities include: a) prohibit any all-electric property from connecting to a gas line, b) require any new air conditioning to be two-way (heat pump that can both heat and cool). Before 2028 there will likely be regional (BAAQMD) or statewide restrictions on purchasing appliances or systems running on natural gas. Beginning this transition now will allow contractors to train their workforce and gain experience in replacing gas appliances with electric ones.	
348	Set an 'end of gas flow' date for the city- not later than 2045 when 'carbon neutrality' is supposed to be achieved statewide. This is an important signal to send to residents and businesses since gas powered appliances that are installed today may still be functioning in 2045. Develop a plan to phase out fossil fuels infrastructure.	
354	Incentivize building denser housing - there are too many single family homes in Sunnyvale. I would love to see more mixed-zoned neighborhoods, with things like small community corner stores with apartments on top. This would get people closer to things they need, so they will be able to walk more and drive less.	
367	It is important to create incentives to promote the decarbonization of buildings and to encourage people to use less energy—such as using OhmConnect to pay residents for saving energy, using a Home Energy clock, etc.	
371	Develop an all-out campaign on the benefits of building electrification, switching from burning methane to electricity displays in the permit shop, library, rec center, and city hall; social media; Library speakers; tabling at farmers market and city events; art contests; utility bill inserts; articles in the Quarterly; newspaper and bus ads, presentations to school kids, Scouts, realtors, HOAs	
384	Ban all future natural gas hookups. Induction cooktops work just as well as gas. Heat pump water and air heaters work just as well. This is not a hardship. Climate Change is real and happening very fast while we dicker.	
386	Establish specific, aggressive goals and actions, with continuous measurements, metrics and action adjustments, so most SV homes and commercial establishments are electrified by 2030, starting with an aggressive program with outreach and code changes over time directed at phasing out gas and replacing existing HWHs since gas HWH's generate half of the carbon footprint in the typical home.	
387	Sunset gas HWH/furnace/stove top replacements/installation by 2025. Establish a program for residents to proactively replace their HWH (taking advantage of SVCE and other rebates/resources). Establish a training/promotion program with local suppliers/installers re: HWH heat pumps with an expedited permitting process. Game-ify/publicize goals/achievement by neighborhood and commercial buildings.	
390	Require all new developments to use sustainable HVAC refrigerants. Some refrigerant fluids are strong GHGs when they leak into the atmosphere. We should be requiring/incentivizing developers to only use sustainable refrigerants. <a href="https://en.wikipedia.org/wiki/Refrigerant">https://en.wikipedia.org/wiki/Refrigerant</a>	
399	Barber hair clippings collection for oil catching looms to line storm drains to prevent pollution going into waterways.	
400	More aid to transition older homes to electric stoves and water heaters. This will also reduce gas-related sickness in homes, as well as be more eco-friendly.	

## Strategy 2: Decarbonizing Buildings

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401	One idea is requiring larger commercial buildings to be powered by at least (for example) 25% solar electricity (or wind, but there isn't much wind in Sunnyvale :). This should also be required for newly constructed houses or apartment buildings in the area too, so the public will be more involved in this effort.	
412	Incentivize re-piping and submetering for multi-family buildings with shared plumbing. Communal water usage is very difficult to control as people don't directly feel the pain of over usage. Grants or even low interest loans would be fantastic.	
424	Electrify the Sunnyvale's Below Market Rate (BMR) housing stock at a neighborhood level by 2040. Establish a plan and schedule for implementing this action by 2024. Develop a Building Performance Standard for existing buildings that requires electrification by 2030.	
425	Conduct periodic cost studies and direct engagement to restaurants to minimize exemptions upon readoption of the new building electrification ordinance each code cycle.	

## Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
45	Promote Medium Density Housing Options in Existing Neighborhoods to Help Reduce Vehicle Miles Traveled: Enact policies to promote infill development at modestly higher dens. than existing neighborhoods, house more people in SV to reduce VMT.	3.A
46	Facilitate the development of affordable housing near transit.	3.A
47	Sunnyvale Employees live here: Sunnyvale Employees become residents to reduce mobile traffic. This will also maximize their community involvement and cohesion.	3.A
48	Reform Residential Minimum Parking Requirements to Reduce VMT by Allowing More People to Live in Sunnyvale Near Jobs: Update Municipal Code to relax reqs. for dwellings to provide min. number of parking spaces, to support car-light lifestyles & reduce VMT.	3.B
49	Create maximum parking requirements and reduce minimum parking requirements for mixed-use development. Require parking lot sharing for mixed-use or commercial development with complementary hours of operation	3.B
50	Support car light lifestyles with limited parking supply lower vehicle ownership. Actively manage parking supply with parking pricing and unbundled parking	3.B
51	Let's get serious about Transportation Demand Management & Fair Value Commuting: Reduce SOV trips in commuting by strengthening TDM policies, "carrot/stick" commute clubs & community shuttles.	3.C
52	Transportation Demand Management strategies are implemented, mandated, enforced, and promoted actively, and used widely by everyone in Sunnyvale	3.C
53	Promote telecommuting to decrease solo drivers during commute time periods. Leverage technology to decrease need for driving and increase public/ride-sharing travel options	3.C
54	Require trip reduction programs in new residential, commercial, and mixed use development.	3.C
55	Require existing and future major employers to utilize a variety of transportation demand management (TDM) measures such as flexible work schedules, telecommuting, guaranteed rides home, low- or no-cost transit passes, parking "cash-out" incentives, and other programs that provide employees with alternatives to single-occupant commutes	3.C
56	Implement high quality transit service and a robust set of first/last mile strategies for at least two-thirds of the cross-city corridors	3.D

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

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57	Advocate for transit service improvements by area transit providers consistent with established performance standards, with an emphasis on coordinating public transit schedules and connections and for subsidies for a higher level of transit service and/or more transit passes for residents and/or employees	3.D
58	Coordinate Connections to Mass Transit: Create a simple way for employers to coordinate getting employees to and from mass transit, to reduce car commutes to and from Sunnyvale.	3.D
59	Fully fund the City's bicycle and pedestrian improvement plans for completion by 2035.	3.E
60	Improve bicycle facilities and perceptions of comfort through pavement marking/coloring, physical separation specialized signs and markings, and other design elements	3.E
61	Implement projects and programs to improve the safety of cyclists and pedestrians through increased enforcement of pedestrian right-of-way laws, removing crossing impediments, improving crossing time at signalized intersections for pedestrians and cyclists, requiring drive-through food establishments to serve bicyclists, and providing center refuge areas for pedestrians and bicyclists to pause when crossing arterials	3.E
62	Support the creation of walking school bus programs in coordination with schools and parent organizations.	3.E
63	Continue to implement a Safe Routes to School program for increased bicycle and pedestrian safety to and from schools	3.E
64	Improve pedestrian safety and comfort through design elements such as landscaped medians, pedestrian level amenities, sidewalk improvements, and compliance with Americans with Disabilities Act (ADA) design standards, particularly for areas serving high volumes of traffic	3.E
65	Complete and connect low stress bicycle network in Sunnyvale: Best way to get people out of cars is to create easily accessed bike lanes and separate routes in a comprehensive cross-city network.	3.E
66	Fully implement bicycle and pedestrian projects throughout Sunnyvale to achieve a connected safe active network	3.E
67	Dockless Bicycle System For Better Transit Access: Provide means for citizens to travel to transit stops using city sponsored dockless bicycle system, for boarding transit instead of driving.	3.F
68	Support business efforts to plan and implement a bike-sharing program for major commercial and industrial areas	3.F
69	E-shuttle (electric) bus to move staff and employees around City: A free shuttle bus that moved people to major work hubs like Moffet Park would cut down on vehicles moving in directions where public transportation modes currently don't exist. Providing free or cheap transportation, WIFI, bike racks and regularly scheduled buses could reduce some of the traffic impacts. A mobile app showing the bus schedule could be created as well.	3.G
70	Free or Reduced Cost Green Shuttle: A shuttle (electric) bus from specific locations (City Hall, downtown) to Moffett Park or other business heavy areas!	3.G
71	Design streets and parking lots to accommodate increased pick-up and drop-off passenger and commercial demand	3.H
72	Create separate facilities and/or road pricing or priority schemes for autonomous vehicles and/or HOV, or Paid Express Lane	3.I
73	Determine if a cap on number of lanes or areas available to autonomous vehicles is appropriate	3.I

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
74	Sunnyvale Spice and Slice: Food festival and expo featuring locally grown food where Sunnyvale cooks and gardeners show off their skills and compete for fun.	3.I
75	Local food promotion	3.I
76	Rooftop gardens in Sunnyvale: We can plant rooftop gardens on some public or private buildings in Sunnyvale.	3.I
77	Support the conversion to a clean vehicle fleet with supporting infrastructure and incentives for individuals	3.J
78	Implement Policies to Accelerate EVI Installation Throughout Sunnyvale: Implement required strategies for accelerating EV Charging Infrastructure (EVCI) install. based on Palo Alto & related recommendations from PAEC.	3.J, 3.K
413	Secure funding to install electric vehicle recharging stations or other alternative fuel vehicle support infrastructure in existing public and private parking lots.	3.J
80	Sunnyvale Goes EV!: Educate and support Sunnyvale residents in the biggest action they can take to reduce their carbon emissions: driving electric!	3.K
81	Sunnyvale EV mobility or Zero-Emission Fleet: Convert city vehicles to EV and install proper infrastructure.	3.L
82	Increase the number of efficient or alternatively fueled vehicles in the City fleet as vehicles are turned over	3.L
83	Solar on DPS covered parking and EVs/plug-in hybrid vehicles for DPS	3.L
311	More public charging stations for EV, especially for non-single family residents.	3.M
345	Partner with SVCE to strengthen and expand their incentive program for EVI.	3.N
442	Create a phased ordinance by 2024 to ban local operation of gasoline and diesel-powered off-road equipment by type, including banning local operation of gasoline and diesel-powered small off-road equipment (SORE) by 2028.	3.O
84	Integrated housing at job centers: Require job centers (business parks, corporate campuses) to provide on-site housing for employees.	
85	Create walkable and bikeable neighborhoods with a diversity of services and entertainment options, and a diverse mix of residential and office development types.	
86	Require new development to reduce the need for external trips by providing useful services/facilities on-site such as an ATM, vehicle refueling, shopping	
87	Continue to plan for most new residential, commercial and industrial developments to be developed in specific plan areas, near transit, and close to employment and activity centers.	
88	Encourage the establishment and even distribution of neighborhood-serving facilities such as day care providers, banking/ATM locations, markets and drug stores in existing residential, commercial, and industrial areas in order to reduce the need for vehicle trips	
89	The Urban Village: Live without driving (except maybe work).	
90	Support on-demand ridesharing services that provide point-to-point access for all community members, especially the elderly, children, and the disabled	
91	Prepare for what is now parking to become available and design any future urban parking facility for eventual conversion	
92	High Density Housing near transit corridors to achieve housing and job parity by 2050: Sunnyvale adopts a high density housing near transit ordinance with a goal of achieving a one to one job / housing balance by 2050.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
93	Anti-Idling: My objective is to reduce the amount of GHG's and air pollution in Sunnyvale through reducing unnecessary vehicle idling.	
94	Achieve a jobs to housing ratio consistent with the regional average of less than 0.5 jobs per resident	
95	Continue to provide density and other zoning incentives or procedural or financial incentives to developments for establishment of alternative transportation infrastructure within the private as well as adjacent public right-of-way, such as increased bicycle parking, separated sidewalks, bike lanes and signage, and change and shower facilities	
96	Ensure that every village core has opportunities for growing produce locally	
97	Retain a residential parking permit program for residential areas adjacent to commercial areas of the City where parking is in higher demand	
98	Designate street parking stalls in the vicinity of key commercial and multi-family residential locations for efficient or alternatively fueled vehicles.	
99	Increase signal coordination as warranted to facilitate traffic flow along arterials and major collectors	
100	Deploy intelligent transportation systems measures for managing traffic of large-scale construction projects and at major City and private events	
101	Support, streamline, and incentivize the retention and expansion of local anchor and growth industries.	
102	Long-term rental homes: Convert short-term (<6months) rentals and empty investment homes into affordable long-term housing without costly construction and GHG.	
103	Address numbers: Require address numbers be clearly visible and legible from the street.	
104	Sunnyvale Bicycle Highway: As part of the Western Channel redevelopment, build a continuous bicycle highway from the bay, through downtown, past El Camino.	
105	Flexible work schedules: More flexibility in work schedules to allow employees to lessen the burden and stress of commuting and reduce emissions from congestion.	
106	Lunch Delivery Service: City can have contract with restaurants and fast food places to deliver work day lunches based on preorders (made by individual staff on a daily basis) to different locations of the City offices. This will reduce the number of vehicles on road during lunch time. City can also solicit restaurants incentives for bulk order.	
107	48/96 DPS Fire Schedule: Implement a 48-96 work schedule consists of a 6-day rotation period where each platoon works two consecutive 24-hour shifts, followed by four days off. For any given day of the week, an employee would work that day two weeks in a row, then have the next 4 off. Creates 50% reduction in commuting for all Sunnyvale Fire Service personnel and the resulting economic and environmental benefits this would create.	
108	Implement Congestion Management pricing in business parks: Convince fewer people to drive solo by charging a fee for each personal automobile entering business parks.	
109	Encourage More Ridership by Helping Change Public Perception of Public Bus System by Merging VTA Bus System with Corporate Bus System: Bring together Santa Clara VTA, large businesses & institutions to create efficient, clean electrical bus transportation system.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
110	City Mobility Strategy: A mobility strategy for the city would identify in clear and easy to understand language, the variety and volume of major commute routes to and from the city. As one example if a sizeable portion of the city's work force commutes from the East Bay, what are the current and future alternatives for commuters to get to and from Sunnyvale. Does the city have a workable strategy to help relieve highway congestion to and from that area? If not, what alternatives can the city contemplate in cooperation with other cities in the region, as well as regional transportation agencies to identify and address current gaps.	
111	Encourage and subsidize shared mobility autonomous vehicles	
112	Car-free lifestyle & Mobility as a Service: Promote the benefits of a car-free lifestyle and support 'mobility as a service' for city residents and businesses.	
113	Create a TDM program for City staff to promote alternative transportation modes and carpooling to the greatest extent possible	
114	Continue sponsoring projects to provide transit rider amenities at bus stops and rail stations.	
115	Work with the Valley Transportation Authority and neighboring jurisdictions to provide transit priority signal timing in order to decrease travel time	
116	Encourage schools to link employees and guardians of students with an online system such as 511.org that provides carpool matching	
117	Require sidewalks to be a minimum of six feet wide in order to allow side by side walking at identified locations that currently serve high pedestrian traffic volumes, or locations planned to serve high pedestrian traffic.	
118	Require secure bicycle parking at public and large private events	
119	Increase awareness of the city's bicycle facilities by updating the city bicycle map to show locations of public and private bicycle parking, creating a web-based application for members of the public to identify locations of private parking, and establishing information kiosks at key city locations to provide maps and highlight alternative modes of transportation	
120	Improve bike lanes, bike racks, and bike security: Making bike lanes safer and providing better resources to people who bike will incentivize bike transportation.	
121	Modernize Residential streets' speed limits and parking to increase capacity, improve mobile safety and reduce GHG: Prohibit speeding and parking on bike path streets. Prohibit visually impairing vehicles' parking risks to cars, cyclists & pedestrians.	
122	Green light for bikes/Idaho stop: Create more bike corridors where cyclists (almost) never have to stop at intersections.	
123	Increase Green Mobile and shrink carbon footprint: New home/buildings donate permanent green space property to connect safe bike/pedestrian paths, remove GHG inefficient, same-size structures.	
124	Metrics for Non-car travel within Sunnyvale: Create data for non-car travel comparable to that currently maintained by the City for car-based travel.	
125	WayWatchers: Mobile application that tracks how people move around the city and gives points towards tokens for rewards.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
126	Creative Parking Permits for all Street Parking and Per Use Fees for Public Parking Facilities: Require parking permits for all parking on streets and public parking facilities on; use modern technology for easy fee collection.	
127	Vehicle Tax on mileage, weight, and wheels: Tax vehicles based on mileage, weight, and number of wheels (while driven with audible/visible reminders).	
128	Replace 4-way stops with mini-roundabouts when possible: Mini-roundabouts reduce emissions when compared to stop-and-go traffic pattern of 4-way stops, and are more friendly on bike traffic.	
129	Flashing Yellow Left Turn Arrows: Replace red left turn arrows with flashing yellow left turn arrows to allow drivers to turn when their direction of traffic has the green.	
130	Sustainable Commuter Punchcard: This idea uses incentives to motivate commuters to carpool, use public transit, bike, or walk to work or school.	
131	New Civic Center: Re-design the future civic center to reduce planned parking in Option 1 (which is designed for today's transportation).	
132	Making Biking (More) Attractive/Fun: Community activities that encourage biking.	
133	Financing Better Mobility: A universal pass (daily, monthly, and/or yearly) paid for by all residents, for local, multi-modal, carbon-free public transportation.	
134	Improve walkability to Fair Oaks park: Make it easy to walk to Fair Oaks park for people living between Fair Oaks, Arques and Taylor.	
135	Affordable 100% solar power for EV mobility solutions (cars, shuttles, buses): Fuel all future Evs (cars, shuttles, buses) with 100% clean, local, and affordable renewable energy.	
136	48/96 DPS Fire Schedule: City should consider discounting the electricity charging rates or providing free EV charging for a certain number of hours per employee per year. Incentivizing cleaner vehicles will help reduce the impact of the carbon emissions produced from employee commutes.	
137	Establish Electric Car Sharing Programs as Supplement to City Fleet: Partner with private car-sharing networks, like Envoy, to bring more EVs and EV infrastructure to City properties. Envoy provides a private, car-sharing network dedicated to a location where people live (e.g., apartment building) or work. Envoy will install chargers, supply and maintain EVs, and provide insurance for monthly subscription fees.	
138	Designate preferred parking stalls for electric, hybrid, and other alternative fuel vehicles in all public and private parking lots consistent with the California Green Building Code	
139	Facilitate new fueling stations that offer alternative fuels	
140	Incentivize gas stations to offer E85: Offer incentives for gas stations to offer more alternative fuels like ethanol (E85), hydrogen, or charging stations for EVs.	
141	[Regulate] Gas powered garden equipment: Regulate and enforce rules that reduce the amount of particles that pollute our air from gas powered garden equipment.	
142	Car pool lanes for all-electric vehicles: A 24-hour express lane for all-electric vehicles on all major roads.	
143	Sustainable electric school buses for Sunnyvale's children and environment: We will help Sunnyvale's schools and community to adopt electric buses and innovative, affordable charging solutions.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
248	Track 308gas sales as a way to measure the transition away from fossil fuels.	
249	Prohibit new gas stations within City limits	
251	Develop a plan for Fleet Electrification, specifically ensuring that charging station infrastructure can be installed to meet future fleet needs.	
256	Evaluate alternative fuel options when Waste Collection Vehicles are up for replacement	
275	More pedestrian streets (like Murphy) and bike lanes.	
288	We live across the street from a city park where SV trucks, large and small, often stop for lunch or to use restrooms. Truck engines often run the entire time they are parked thus polluting and wasting expensive fuel, surely not in line with SV's climate action plan. The City should adopt and enforce a policy requiring its parked vehicles be turned off unless operation is needed for ongoing.	
296	Incentives to purchase green/electric vehicles, electric bicycles, and bicycles.	
298	Free up parking spaces. Amend Sunnyvale Multi-Family and Nonresidential Parking Requirements to allow secure bicycle parking to count for up to 50% (rounded down) of required parking spaces. Allow residents of neighborhood streets to designate up to 50% of street parking for protected play or recreation.	
300	Promote transportation choice. Embrace Mr. Barricade and use paint, signs, and plastic to protect existing bike lanes and add new ones to El Camino. Create bus-only lanes on El Camino. Reach out to VTA to determine what would incentivize them to add service beyond El Camino.	
301	More bike ways and cross walks over busy streets and intersections.	
306	Create incentives to buy EVs	
308	Require planes to use unleaded gas	
310	More cycling and walking, less cars. Just look how other cities transformed themselves in the last 2 years, Sunnyvale only closed down the tiny stretch of Murphy Street to traffic	
315	Reduce barriers to bicycling. Make it safe and easy to bike anywhere. Provide bicycle parking in front of all businesses. Promote biking for errands (shopping, groceries, etc). Build all new roads with safe bike lanes and add them to existing roads. Even better is to have separated bike paths.	
319	We definitely need more EV chargers. I live in a condo complex off Evelyn W. and drive a full-electric car. I have to walk 15 minutes minimum to charge it since my condo complex is older and hard to refit with chargers. The city/county/state needs to help pay for this type of installation.	
320	We need a campaign against idling engines. So many people have the bad habit of turning on their gas-car engines then looking at their phone or claim that their engines need to warm up. We need banners, signs especially for delivery trucks or around schools, speakers at PTA meetings, informative slips of paper for offenders. This should include City Fleet vehicles as well.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
322	Because of cost or access reasons many bike lanes or roadsides don't get cleaned, or very rarely, which makes them unsuitable for riders. I have been working on bike lane sweeper prototypes at bikelanesweeper.com to address this issue. It may not replace current full-size sweepers but may be a clean and cost-effective addition to consider to keep our bikeways clean.	
326	Fully build out the improvements specified in the Active Transportation Plan.	
327	Identify the bike/ped network improvements needed beyond the current Active Transportation Plan to achieve the city's transportation mode share goals.	
329	Add secured bike parking in high-traffic areas (e.g., the BikeLink lockers that used to be under Target, now are only at Caltrain)	
330	Explore whether a regular community shuttle (in conjunction with local public transit) could decrease car trips and provide a more accessible "last mile" closure	
339	Ensure new construction includes parking and level 1 charging for e-bikes and scooters. Re-adopt the 2021 Reach Code and increase MUD EV charging coverage.	
342	Double down on implementing the Active Transportation Plan to accelerate project deployment. Prioritize Bicycle and Pedestrian projects over single occupancy vehicle infrastructure.	
343	Reduce parking minimums for new construction. Implement paid parking downtown. Utilize funds to support a free or low-cost electric shuttle to downtown.	
355	Prioritize walking, biking, and public transit over car transit - Cars have too many negative externalities, not just climate-wise, even when electric. If biking and walking is more viable, we can reduce parking requirements for buildings without seeing increased traffic. And it has other positive externalities, like people are happier and healthier!	
357	Add meters/required payment for all city-owned parking spaces, including at City Hall	
358	Create a more robust incentive program for City staff to take alternative transportation to work; add City bicycles to the "pool vehicle" fleet that staff can reserve	
359	Unfreeze the TDM coordinator public works position and adopt more stringent ordinances in that regard	
361	Replacing 4 way stops with mini roundabouts, reduces carbon emissions from cars and is a better solution to traffic	
362	Increasing awareness about the possible transportations nearby is useful, it will increase the usage and security of public transportation. Public (Transportation becomes more reliable)	
365	Ticket for car idling.	
366	We should prioritize safety of student bikers to and from schools, thus encouraging the decarbonization of transportation. This includes creating a safe, connected network of bike paths and implementing full-time bike lanes on the main streets leading up to schools. Heavy bike traffic, paired with a large number of cars picking up kids for school, leads to lots of unsafe situations.	
372	Promote attending the Saturday farmer's market more and incentivize taking public transportation or shuttle to get there.	
373	Expand bus routes/times with citizen input through survey on where buses routes should expand to. The more accessible bus routes are, the more people will want to utilize the service.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
375	Sunnyvale only consolidated electric car charging station map	
377	Get a lot more funding and to implement the Active Transportation Plan much more quickly. It should not take eons to get this done. We are in a climate emergency and are moving far too slowly.	
378	Do much more to prioritize active transportation -- walking and biking.	
379	Reduce motor vehicle parking, require all motor vehicle parking to be paid, switch motor vehicle parking over to secure bike parking (Bike Link lockers)	
380	Create an e-bike and cargo bike rental program run by community services to allow residents to experience these eco-friendly forms of transportation as little or no cost. Brisbane runs their program via their library.	
381	I support idea 59. Fully fund the City's bicycle and pedestrian improvement plan completion by 2035.	
382	I support Sunnyvale running a dockless e-bikeshare system. Similar to Idea 67: Dockless e-Bicycle System For Better Transit Access. Sunnyvale should provide e-bikeshare system to enable residents to travel to transit stops and local trips using city sponsored dockless e-bicycle system. Ideally the system would be managed by VTA and would work countywide.	
385	Fully fund the Active Transportation Plan. Help people get out of their cars. Many of us want to bike more but are afraid to share roads with cars. Find the money! Increase developer fees! The developers bring more cars to Sunnyvale, they can fund much more of the resulting costs.	
389	Use Transportation Impact Fees for funding bicycle infrastructure. The goal of TIFs is to reduce traffic, and by building more safe bicycle facilities, people will choose to bike instead of drive, reducing congestion and helping the planet.	
391	GET MORE MONEY FOR BICYCLE INFRASTRUCTURE	
392	Build bike lanes with barriers and buffers on major streets so that bicyclists can be safe riding with cars.	
393	Need to connect bike lanes. Currently, bike lanes just end along streets, leaving bicyclists stranded.	
394	Build dedicated lanes for bikes across busy intersections like freeway on ramps and off ramps, so that bicyclists don't have to compete with cars in such dangerous intersections.	
398	Government funds/participation for bike rental/repair locations like the library for bikes, aid for purchasing new bikes or e-bikes. In sync with pedestrian/bike safety accessories like lights (solar powered), reflective vests, helmets etc. and develop bike & pedestrian lanes.	
410	telecommute	
413	Incentivize installation of DCC-9 type devices to support electric vehicle charging. It can be costly for tenants of condo buildings to run electrical from their subpanel to their carport, plus subpanels often are not rated for the load of a high-amperage charger. This device detects total power consumption of the main circuit breaker and de-energizes the charger. My complex just approved our first install for a resident if anyone is interested in seeing it.	

### Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Idea ID #	Idea Description	Next Move(s) ID#
427	Establish a new citywide parking ordinance that provides a parking maximum on all new development and institutes parking fees for all commercial areas.	
428	Evaluate and update the City's zoning code, Transportation Demand Management program (on hold), and building code to ensure the City requires installation of bicycle parking for new commercial development and retrofits. Also, update codes to require bike facilities with lockers and showers at all businesses that employ over 50 people.	
429	Update city ordinances to prioritize safety and connections for pedestrians, bikes and micromobility over cars.	
430	Conduct a pilot program that converts vehicle roadways into active transportation corridors and conduct a study to identify potential corridors that would extend safe active transportation routes from residential areas into the downtown core.	
431	Adopt an EV reach code requiring new commercial and multifamily construction to install the minimum number of EV chargers based on Tier 2 CalGreen requirements (20% of total parking spaces)	
441	Plan for additional housing, within the goal of diverse housing, to reduce long-distance commutes.	

### Strategy 4: Managing Resources Sustainably

Idea ID #	Idea Description	Next Move(s) ID#
146	Waste Audits, education and outreach	4.A
260	Advance policy and programs to further reduce single-use plastics	4.B
443	Comply with SB 1383 requirements to help the state reduce organic waste disposal 75% by 2025.	4.C
444	Expand the City's edible food recovery program to edible food generators beyond those required by SB 1383.	4.D
445	Continue to implement the mandatory waste diversion ordinance requiring all residents, visitors, and businesses to place their discards in the appropriate container (i.e., recycle, compost, or garbage).	4.E
147	Stop Wasting Water & Reduce GHG!: Enact new water efficiency methodologies and policies that combine to greatly reduce Sunnyvale's consumption and lead California by example.	4.F
148	Water conservation: Get the best use out of every drop of water.	4.F
149	Promote existing SCVWD efficiency/conservation rebates	4.F
150	Promote "purple pipe" (reclaimed water) infrastructure in new construction or major renovation in preparation for a growing, usable network.	4.G
151	Create a purple pipe network for citywide use of recycled water for irrigation and other outdoor purposes.	4.G
188	Realtime Home Water Metering: A prototype water meter with iOS app showing instant usage.	4.H
316	Remove requirements that renters have to keep the lawn green by watering. Encourage more climate appropriate yards and gardens.	4.I

### Strategy 4: Managing Resources Sustainably

Idea ID #	Idea Description	Next Move(s) ID#
345	Streamline Permitting. This suggested idea combines aspects of all 6 strategies. Ensure permitting for battery storage, local rooftop solar (Clean Electricity), microgrids (Adapting to a Changing Climate), rainwater catchment, dual water piping, graywater systems (Managing Resources sustainably), electric panel upgrades, conversion of gas appliances to electric (water heating, HVAC, cooking and clothes drying) (Decarbonizing Buildings), and EV Charging sites (Decarbonizing Transportation) is as streamlined, easy and inexpensive as possible. Encourage property owners to make these improvements and promote the benefits of these changes for health, safety, comfort, climate, and security (Empowering our Community). Notify property owners of the streamlined processes. Train inspectors so they are prepared to quickly and accurately assess the quality of installations that may combine aspects of electrical, plumbing, roofing, landscaping and/or construction....	4.J
383	Eliminate plastic to-go containers, period. There are options that actually compost. This is not a hardship. If there are increased costs then the restaurants can add that amount on and I doubt anyone would notice. Eventually with increase in quantity the price of the sustainable materials would decrease.	4.K
152	Continue to implement the City's Tree Preservation requirements.	4.L
153	Clarify codes and policies to maximize the preservation of the largest longest-living trees, and ensure the expansion of the urban forest over time as appropriate for the site.	4.L
154	Increase Tree Coverage: Increase tree coverage in Sunnyvale to sequester carbon, regulate temperature, manage water runoff.	4.L
155	Implement City's Green Infrastructure Plan	4.M
446	Update the City Purchasing Policy to be aligned with Playbook goals and develop an implementation strategy.	4.N
144	Suggestions on how to implement the FoodCycle program into schools: The Sunnyvale FoodCycle program is moving into public schools and businesses, here are some thoughts on how we can better incorporate it.	
145	Select materials to be targeted for diversion and diversion methods, services, or technologies based on the results of the Zero Waste Strategic Plan.	
156	Carbon Cost Food Labeling: Encourage consumers to make choices that min. environ. impact, req. restaurants & grocers to label food & menu items w/ assoc. carbon emissions.	
157	Business: In the mood for food: Encourage businesses to grow food at their corporate sites.	
158	Tower Garden- a vertical, aeroponic growing system- 90% less water and space, 30% greater yield and 3x faster: I am a mom on a mission to promote education regarding healthy living and how to use urban farming that is productive and sustainable.	
159	Urban Agricultural Internships & Design Program: A system of academic credit for students to design and run urban farms/food stands with paid internships.	
160	Develop and implement a purchasing policy that requires food and other appropriate materials purchased by the City to be purchased from as local a supply as possible.	
161	CityTree Moss Wall: CityTree is a company that installs self-sustaining moss units that can have the equivalent of up to 275 trees per year for air cleaning.	
162	Tree Lined Street: Trees are efficient and aesthetic sequesters of CO2; trees add beauty while removing CO2 and replenishing O2.	

### Strategy 4: Managing Resources Sustainably

Idea ID #	Idea Description	Next Move(s) ID#
163	GHG>15%! Reduce Factory-Farm-Animals!: Discourage Farm-Animals' products to reduce global GHG>15% Redirect wasted resources to increase credible organic plant food supply.	
164	Expand existing park, open space, and boulevard tree inventory through the replacement of trees with a greater number of trees when trees are removed due to disease, park development, or other reasons.	
165	Develop and implement canopy coverage requirements for City-owned parking lots, with exceptions for solar installations.	
166	Construction & demolition debris diversion	
167	Pricing increases/penalties for not recycling/composting	
168	Single-use plastics ban	
169	Straws Suck!: Ban plastic straws in eating and drinking establishments in Sunnyvale.	
170	Environmentally Preferable Purchasing Policy ('Default to Green'): Create a comprehensive Environmentally Preferable Purchasing policy for the city.	
171	3D printed homes: Bring affordable 3D printed homes to Sunnyvale.	
172	Ban the sale or dispersal of disposable, single use plastic water bottles at public events permitted by the City.	
173	Green city procurement: Use modern data science tools (ProductBIO.com or other) to evaluate and strategically reduce the impacts of the city's procurement spending.	
174	Reduce take-out plastics: Sunnyvale restaurants only give straws, plastic cup lids, and plastic utensils upon request from patrons for in-store or to go orders.	
175	CJF [Disposables Fee on Plastic Cups and Straws]: Would like to have local business be taxed on single use plastic cups and straws like shopping bag tax to incentivize individuals BYO cup.	
176	Sunnyvale The Green Shopping capital of the world!: List and patronize stores and businesses that decrease packaging and enable Bring Your Own Packaging when shopping.	
177	Require bottle water fillers at all drinking fountains.: Place water fillers at all drinking fountains and stand alone to encourage people to not use plastic bottles and to drink right amount.	
178	Bring your own produce bags: Reduce grocery store plastic bag use for fruits and vegetables by consumers bringing in their own containers.	
179	Trash to Cash: Composting for cash.	
180	Stop the wasted paper mailings: I would like help from the Sunnyvale community to get "Retail me not everyday" to d/c the paper mailings they send out that get trashed.	
181	Fewer Trash Cans, Less Litter?: Make trash cans as we know them non-existent.	
182	Multi-family program for composting, gardens	
183	Promote Reuse/repair and circular economy	
184	Water neutrality ordinance for new construction	
185	repurposing golf courses: convert City golf courses into agrihoods.	
186	Provide supplemental funding to existing rebates	
187	Require new development to reduce potable indoor water consumption by 30% (Tier 1 CALGreen) and outdoor landscaping water use by 40%.	

### Strategy 4: Managing Resources Sustainably

Idea ID #	Idea Description	Next Move(s) ID#
189	Discourage Use of Bottled Water: Plastic bottle disposal is a huge problem in the ocean and bottled water an economic problem. See Maude Barlow's book "BlueFuture."	
190	Dollarsfor Natives: incentivize homeowners to plant California native landscapes.	
191	Control Water Usage: A Timer operated shower will reduce water usage.	
192	Implement the City's Urban Water Management Plan to facilitate a 20% reduction in per capita water use by 2020.	
193	Create flexible provisions and encourage residents and businesses to collect rainwater to use for irrigation purposes.	
194	Revise development standards to ensure the use of greywater, recycled water, and rainwater catchment systems is allowed in all zones.	
195	Sustainable Landscaping Program: Encourage sustainable landscaping through integrated program including electric landscape equipment & lead by example with city operations.	
196	The Sunnyvale Urban Forest: Host community tree planting events around Sunnyvale until trees outnumber residents.	
253	Feasibility of utilizing compost for carbon sequestration	
257	Update the Zero Waste Plan to reassess waste reduction goals based on current technology	
258	Update the Sustainable Purchasing Policy to be aligned with Playbook goals and develop an implementation strategy	
261	Pilot a reusables program with a food service business in Sunnyvale	
262	Conduct a feasibility study and develop an implementation strategy for expanding water reuse in Sunnyvale	
263	Evaluate opportunities to partner with large developments for onsite water treatment and reuse	
264	Encourage the reuse and recycling of textiles	
267	Increased tree canopy in Sunnyvale. As drought conditions and hot weather continues tree cover can substantially reduce outdoor and indoor temperatures. Shade will also reduce evaporation of soil moisture and decrease water required for landscaping. Increase tree budget, require more trees for new construction and parking lots, and incentivize homeowners to plant drought tolerant species	
268	Increased recycling and reuse efforts. Fabric recycling like mountain view. Encourage restaurants to reduce utensil provisions or to accept container returns. At home, encourage reusable materials instead of disposables (eg regular towels instead of disposable paper towels or napkins). Discourage businesses and schools from tchotchkes and swag or trinkets that mostly end up in landfills.	
292	Increase awareness and initiate incentives for customers to recycle in online grocery or delivery services. Labeling on the product itself or leaving a container fee might not be efficient way to increase awareness. Many delivery and grocery services have been moved to online since the pandemic and asking websites and apps to increase awareness for recycling is presumably way more efficient.	
293	Requirement for store recycling programs for plastics - Target, Lucky, Safeway, and Home Depot have the plastic recycling stations - These should be a requirement for retailers in Sunnyvale.	

**Strategy 4: Managing Resources Sustainably**

Idea ID #	Idea Description	Next Move(s) ID#
295	Plant more trees - replace diseased or deceased trees/shrubs. During drought, trees have fallen/been removed, but few have been replaced. Good to have additional trees in the city to increase oxygen, reduce carbon dioxide, provide shade, and beautify the city. With additional trees, a good irrigation plan needs to be put into place (drip watering, for instance). Potable water could be used.	
297	Collection of compostables from apart. dwellings. More apartments/condos units are being built in Sunnyvale. Capturing compostables would keep more trash from going to the landfill. With increased compostables, perhaps a new system for storing the compostables and/or reselling them to the public or local nurseries.	
302	Managing resources sustainably: Prohibit unsolicited paper advertisements via mail to residents. Most if not all just throw those away without reading anyway. Will save emissions on mail trucks and garbage trucks.	
303	Managing resources sustainably: Promote paper bag and recycled cardboard packaging for groceries over plastic clamshells. The plastic clamshells can't even be recycled (in Sunnyvale).	
305	Do a local "lawn busters" program with fixed cost assistance for design and landscaping	
307	Ban gas gardening equipment; it is choking us all day long/24/7	
313	In the interim of multi-family food cycle rollout, or maybe in addition, could we establish composting stations within the community? We could leverage community gardens like Charles St. or have multi-resident compost stations.	
328	Identify and implement steps needed to meet the City's tree canopy goals from the Urban Forest Management Plan equitably. Ensure trees are replaced when removed. This could include creating a tree inventory.	
332	Divest from fossil fuels. No longer make investments in the oil and gas industries. Examples include San Diego County and San Mateo County	
333	Create a tree inventory to equitably achieve an urban tree canopy.	
336	Carbon neutrality. Set a carbon neutrality goal by 2030 or 2045.	
338	Work with large businesses to coordinate a waste reduction pilot for City operations and/or citywide.	
341	Update the City Purchasing Policy to consider and reduce GHG emissions, landfill waste and water usage associated with contracts, materials, supplies, equipment, food and air travel. Set a City Intention to not purchase anything that runs on fossil fuels. Exceptions would require extensive justification. Potential examples: 1) require all contract bids to document expected greenhouse gas emissions in fulfilling the contract, 2) require re-usables and prohibit single use plastic, 3) require 100% post-consumer recycled paper, 4) reduce air travel (set standards for determining whether air travel is needed), 5) purchase food from local suppliers 6) Fleet vehicle replacement to consider gasoline or diesel as the last resort (not the default). Preference would be given to electric vehicles including potentially relaxing equipment specifications, paying up to x% in additional upfront cost, and delaying replacement through enhanced maintenance and spare parts (up to x months/years) until viable electric solutions become available, 7) Replacement of HVAC, water heating, and landscape equipment would default to electric, 8) Road repaving would utilize low-carbon concrete and/or light colored materials to reduce the urban heat island effect, 9) major fossil fuel infrastructure such as underground fuel tanks would be decommissioned and not replaced.	

### Strategy 4: Managing Resources Sustainably

Idea ID #	Idea Description	Next Move(s) ID#
344	Identify regional opportunities for carbon sequestration and nature based solutions that could be used as verifiable offsets for remaining 20% of emissions to achieve 'carbon neutrality'. Examples may include forest protection, wetlands restoration, regenerative agriculture, or possibly carbon capture technologies.	
350	HFCs in refrigerants. Methane leaks from stoves in the house. Someway to promote the reduction of HFCs (in refrigerators) at restaurants, groceries stores, etc. in homes as well.	
352	Invest in expanded recycling facilities - adding capabilities to recycle Styrofoam and types of plastic not currently recycled	
356	Incentivize having a desert/drought-friendly lawn - there are so many options for lawns that are not typical grass that would save a lot of water in comparison and would be better for the soil.	
368	We must improve recycling and food waste systems at schools. Schools should require composting bins, in alliance with the recycling bins and trash cans already present.	
374	Promotion of classes at the community garden to educate on how to grow our own food. Promote food sovereignty!	
376	Prohibit plastic produce bags at grocery stores and farmers markets	
395	Eliminate plastic to-go containers, period. There are options that actually compost. This is not a hardship. If there are increased costs then the restaurants can add that amount on and I doubt anyone would notice. Eventually with increase in quantity the price of the sustainable materials would decrease.	
396	Form a sub-committee to study and then influence national policy on farm subsidies, effects of pesticides, soil degradation, food quality and nutrition, investing in small farmers, food waste and transport costs. We may not have farms in Sunnyvale, but we want everyone to have access to healthy locally grown food.	
397	Encourage home owners to grow their own food under fruit trees, with eco-friendly irrigation. The shade will reduce the amount of water needed as temperatures continue to rise. Fund incentives for multiple dwelling building owners to provide community garden spaces. Plant trees like avocado in parks and as street trees.	
404	Regenerative gardening and agriculture: method for sequestering carbon, minimizing water use and water loss. This s also organic, with little or no use of pesticides, herbicides, or chemical fertilizers. Incentivize back yard gardeners w/free classes. Partner with the UC Davis Master Gardeners Co-op, and change the heritage orchard into an organic/regenerative teaching/demonstration site.	
406	Expand our salt marshes and natural water ways to the bay. This is a high carbon sequestration biome; restore, protect, and expand. Use as much of the dredged materials from the bay as possible.	
411	Incentivize installation of hot water re-circulators for multi-family (and single family) buildings. The simpler models do not require a return line. They drip hot water into the cold water line, speeding up delivery of hot water to fixtures located further away from the water heater.	
432	Adopt an ordinance requiring new construction to be built with dual plumbing, where allowable, in preparation for the availability of recycled water infrastructure.	
433	Replace all non-functional lawn areas under municipal ownership/care including all medians, pocket parks and plazas with native, low-water alternatives by 2025.	
434	Conduct a compost application pilot in Moffett Park and promote it on the City's website and at City events.	

### Strategy 4: Managing Resources Sustainably

Idea ID #	Idea Description	Next Move(s) ID#
438	Conduct waste characterization studies every 10 years to understand the waste stream, inform waste programs and policies, and update the Zero Waste Strategic Plan to increase diversion and reduce contamination.	
439	Work with waste haulers to determine the data necessary to meet zero waste goals and establish protocol for regular collection and reporting of associated metrics.	

### Strategy 5: Empowering Our Community

Idea ID #	Idea Description	Next Move(s) ID#
197	The Cool Block: Reinvent the world. The journey begins on the block where you live.	5.A
198	Develop and encourage a mechanism for neighborhoods to share equipment and resources to improve sustainability.	5.A
199	Create a structure or partner with other groups for volunteers, residents, and other organizations to help achieve Sunnyvale's sustainability goals.	5.A
200	Sunnyvale Strong Blocks: Create a program similar to the City of Palo Alto's Cool Blocks to engage neighbors in taking action together on climate and disaster preparedness.	5.A
201	Use the City's Sustainability Commission and outreach staff as a structure to coordinate with other groups for volunteers, residents, and other organizations to help achieve Sunnyvale's sustainability goals.	5.A, 5.D
202	Accelerating Clean Electrification for Sunnyvale Residents: YellowTin educates & empowers homeowners to make informed decisions on clean energy choices such as Solar, Battery, EV, Space & Water Heater.	5.B
203	BE Ready to Electrify (Residential SF & MF): Increase readiness for planned, economic migration from fossil-fuel use to efficient, clean electricity use in residential homes.	5.B
204	Provide a toolkit of resources, including web based efficiency calculators, for residents and businesses to analyze their GHG emissions in comparison to their neighborhood, the city, and the region.	5.B
205	[Online Neighbor Forum for] Energy Outreach and Education: Ways to involve more people in adopting clean energy technologies.	5.B
206	Raising Awareness for CAP and Environmentalism: Create data-driven, specialized campaigns and programs that generate awareness and support for fighting climate change and being environment.	5.B
207	Inform the community of metering options, such as online applications and in-home monitors.	5.B
208	Sunnyvale Green@Home: Free SmartMeter analysis and personalized recommendations for how to reduce home energy waste and lower energy bills.	5.B
209	Dedicate a page of the City's website to climate change and climate change adaptation.	5.C
210	Green Warriors in Training: Teach them while they're young, so they can become eco leaders.	5.E
211	Recommend and advocate for schools to use the Air District curriculum or other programs for local school teachers to teach children about climate change GHG emissions, and local actions.	5.E
215	Create demonstration projects within City operations to educate the community on ways to reduce emissions by leading by example.	5.F
370	Task Library and Parks and Rec with developing ongoing programs to support our Climate Playbook, in consultation with the Sustainability Commission and ESD.	5.G
213	Visualizing Community Progress: Visual graphics that show progress towards sustainability goals.	5.H, 5.I

### Strategy 5: Empowering Our Community

Idea ID #	Idea Description	Next Move(s) ID#
214	Climate Action - Project Tracking: Treat city GHG emissions & projects designed to reduce them w/ same rigor (planning, improv., controls, metrics) as city finances.	5.H, 5.I
212	Actively engage with Sunnyvale businesses to identify areas for GHG reduction and financial savings.	
215	Use sustainability initiatives within City operations to educate the community of ways to achieve sustainability by example.	
216	Next Door App for Community Utility Data: Share data and conservation success through an online forum.	
217	Dry your clothes for Free - Use a Clothesline!: All you need is enough space in your backyard to string a clothesline. You'd be amazed how much energy is saved.	
218	GHG Reduction Planning: Develop action road maps for individual households.	
219	Provide regular communication with schools, business, faith groups, community members and neighborhood groups to increase participation in the City's progress toward sustainability.	
220	Develop and implement a competitive GHG reduction program between groups of citizens in the City with an award component.	
221	Actively promote use of alternative modes of transportation as safe modes of travel. When applicable, promote on the City's web site and publications about viable programs sponsored by 511, the Air District and other recognized agencies.	
222	Through selected projects and efforts to improve City operations, demonstrate how sustainability efforts are possible and successful.	
223	Make comparison an intrinsic part of consumption. Bring awareness of how our consumption compares to other communities, regions, and others in our neighborhood.	
224	Manage Your Metrics, Manage Your Money: This concept would help Sunnyvale residents understand and use their data to manage their energy.	
225	SustainTimes.net - Sustainable Actions Made Easy!: Educate and Implement Sustainability Actions for the Mainstream Community.	
226	Environmental Fair: Provide idea for City of Sunnyvale CAP 2.0 plan. Volunteer during the fair with own booth.	
227	Kid's Workshop: Treasuring Our Resources: Events that includes live cam to a farm and workshops for kids to encourage behavior change in sustainability.	
228	Art for the Climate: Emphasize Climate and the natural world in the City's "1% for Art" program and build on the successful Earth Day Poster and Film contest.	
229	Consolidate single function devices into multifunction: Evaluate usage and spending on single function devices and determine if consolidation into multifunction devices is cost efficient.  Determine if follow me printing, authenticated printing, print management, and/or scan to email/folder are beneficial and cost effective.	

## Strategy 5: Empowering Our Community

Idea ID #	Idea Description	Next Move(s) ID#
230	<p>Planning and Building staff will work with project applicants to limit GHG emissions from construction equipment by selecting one of the following measures, at a minimum, as appropriate to the construction project:</p> <ul style="list-style-type: none"> <li>a. Substitute electrified or hybrid equipment for diesel- and gasoline-powered equipment where practical.</li> <li>b. Use alternatively fueled construction equipment on-site, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane, or biodiesel.</li> <li>c. Avoid the use on on-site generators by connecting to grid electricity or utilizing solar-powered equipment.</li> <li>d. Limit heavy-duty equipment idling time to a period of 3 minutes or less, exceeding CARB regulation minimum requirements of 5 minutes.</li> </ul>	
231	Deep Time Walk: The Deep Time Walk is a walking audio book where one meter walked represents one million years of Earth history.	
265	Develop next Game Plan (2033), including detailed greenhouse gas emissions forecast.	
270	More climate change education	
277	Trash pick up. Perhaps volunteer events. Penalties for littering	
280	Incentivize local neighborhood recipe books to eat less meat and share vegetarian recipe ideas.	
317	Provide penalties and incentives to get people to take the right action. Penalties to stop behaviors and incentives to start/encourage behavior.	
351	Conducting a consumption based emissions inventory for the City, assessing whether this can be done on a regional level	
363	Having competitions (with prize) within neighborhoods for energy and water consumption or have a city wide objective.	
369	Provide a more accurate and complete representation of our emissions by including consumption-based emissions in our GHG inventory those from the things we buy that are manufactured or grown outside our city limits (includes transportation outside Sunnyvale, including flights). Omitting what may be the largest part of our emissions can lead to inaccurate understandings.	
370	Task Library and Parks and Rec with developing ongoing programs to support our Climate Playbook, in consultation with the Sustainability Commission and ESD. Programs may include speakers on climate science and solutions, classes (e.g. on healthy diets, safe biking, electrifying the home), events (for example Open Streets, induction cooking demonstrations). Climate requires all of government.	
402	I go to Sunnyvale Middle School, and one idea is to involve the schools in having greener efforts. Such as, installing solar panels so at least (for example) 25% of the building is supported by Solar energy. Or, teaching and involving the students about this issue that affects us more. For example, this "Game Plan" survey could have been talked about at school so we could put our voices in it.	
403	Publicly announcing efforts that the people of Sunnyvale can try to have greener footprints. For example, there could have been posters or signs put up in local stores about this survey so more people would know about it. Also, flyers, and announcements could be used to spread the word about simple actions that could be taken at home. Like, saving water, matching the pot to the burner, and more.	

### Strategy 5: Empowering Our Community

Idea ID #	Idea Description	Next Move(s) ID#
435	Integrate the Gameplan Moves into the routine operations and planned projects of each City Department.	

### Strategy 6: Adapting to a Changing Climate

Idea ID #	Idea Description	Next Move(s) ID#
232	Regularly train and inform the Department of Public Safety Office of Emergency Services (OES) on potential climate change risks and hazards.	6.A
233	On a regular basis, assess adaptation efforts of the City, region, and state and identify goals or gaps to be addressed.	6.A, 6.B
234	Appoint a staff liaison to attend and participate in regional meetings focusing on adaptation and resilience and to report back to staff on a regular basis	6.B
235	Analyze and disclose possible impacts of climate change on the project or plan area with an emphasis on sea level rise.	6.C, 6.D
236	Integrate climate change adaptation into future updates of the Zoning Code, Building Code, General Plan, and other related documents.	6.D, 6.E
237	Update the City Emergency Plan and Emergency Preparedness Workbook to address climate change impacts.	6.E
247	Consider developing a buildings resiliency plan/map	6.F
335	Resilience Hub Initiative. In collaboration with the community to create a network of community centers, neighborhoods, places of worship and other trusted community sites that are models for resilience and “ready for anything” – better prepared for natural disasters, climate change and other stresses in our community. For more information, visit USDN or NorCal Resilience Network.	6.F
238	Require buildings, homes and properties achieve the best Fire prevention methods to reduce fire accident caused GHG	
239	Underground residential power, cable and gray water ecology to reduce GHG	
240	Regenerate the tidal marshlands	
255	Evaluate microgrid feasibility between WPCP and SMaRT station	
331	Promote native and pollinator-friendly plants to increase resiliency to drought and sea level rise.	
349	Implement the Community Resiliency Plan and Shoreline Protection Plans.	
414	Develop and Implement a Shoreline Protection Plan.	
436	Participate in the County’s Climate Collaborative and align City initiatives with ongoing County initiatives.	
437	Establish climate resilience financing districts using SB 852 to undertake and raise revenue for projects and programs to address climate change including wildfire, sea level rise, extreme heat, drought, flooding, and other impacts.	
440	Review and summarize assessment products developed by the County's Silicon Valley 2.0 project and by the State.	