

Climate Action Playbook At-a-Glance: Game Plan 2023

June 2021

Strategy 1: Promoting Clean Electricity				Dept	FY20	FY21	FY22	FY23
Play 1.1: Promote 100% clean electricity	2030: 100% participation in clean electricity 2050: 100% participation in clean electricity	1.A	Continue to support and steer Silicon Valley Clean Energy (SVCE) in providing clean power and decarbonization programs.	ESD	●	●	●	●
		1.B	Collaborate with SVCE to target direct access customers to shift to 100% clean electricity.	ESD	●	●	●	●
Play 1.2: Increase local solar photovoltaics	2030: 3% of load from local solar 2050: 5% of load from local solar	1.C	Research a mandatory solar roof ordinance for new commercial developments.	CDD		●		
Play 1.3: Increase distributed electricity storage	2030: 2% of electricity demand stored in batteries locally 2050: 5% of electricity demand stored in batteries locally	1.D	Collaborate with SVCE to evaluate opportunities for energy storage to maximize utilization of local solar supply and to enhance resiliency.	ESD	●	●	●	●
Strategy 2: Decarbonizing Buildings				Dept	FY20	FY21	FY22	FY23
Play 2.1: Reduce energy consumption in existing buildings	2030: 5% of existing homes and businesses receive deep energy retrofit 2050: 30% of existing homes and businesses receive deep energy retrofit	2.A	Research energy disclosure and energy benchmarking requirements for commercial and multi-family residential buildings to encourage property owners and managers to invest in energy efficiency upgrades and building information systems.	CDD			●	
		2.B	Advocate to regional providers of energy efficiency programs that their offerings are more aggressively promoted to Sunnyvale residents and businesses.	ESD	●	●	●	●
Play 2.2: Support electrification of existing buildings	2030: 20% of homes and businesses completely electrified 2050: 50% of homes and businesses completely electrified	2.C	Develop a program to accelerate the adoption of heat pump water heaters and space heaters.	ESD	●	●	●	
		2.D	Electrify new municipal buildings upon rebuild or significant remodel, including the Civic Center.	DPW	●	●	●	●
Play 2.3: Achieve all-electric new construction	2030: 100% all-electric new buildings 2050: 100% all-electric new buildings	2.E	Evaluate code and permitting processes to streamline building electrification.	CDD		●	●	●
		2.F	Investigate the potential for implementing a differential Utility Use Tax that is at least revenue neutral, such that local taxes on electricity are lower than on natural gas, to incentivize electrification.	FIN			●	
		2.G	Continue to incentivize energy efficient and high-performance buildings through the Green Building Program updates.	CDD			●	
Strategy 3: Decarbonizing Transportation & Sustainable Land Use				Dept	FY20	FY21	FY22	FY23
Play 3.1: Increase opportunities for and encourage development of mixed-use sites to reduce vehicle miles per person	2030: 20% reduction in vehicle miles per person 2050: 25% reduction in vehicle miles per person	3.A	Plan for additional housing, with the goal of diverse housing, to reduce long-distance commutes.	CDD	●	●	●	●
		3.B	Identify areas that are most appropriate for parking strategies that discourage vehicle use, such as pricing, time limits and supply reductions.	CDD, DPW			●	
		3.C	Enhance City Transportation Demand Management (TDM) program implementation and monitoring to facilitate further reductions in single-occupant automobile trips, citywide.	DPW			●	
		3.D	Advocate that regional service providers implement high quality transit service and a robust set of first- and last-mile strategies in over two-thirds of the cross-city corridors.	DPW	●	●	●	●
		3.E	Update and implement the Active Transportation Plan to achieve a connected, safe and active network.	DPW	●	●	●	●
Play 3.2: Increase transportation options and support shared mobility		3.F	Pilot and evaluate shared bicycle and scooter programs.	DPW			●	
		3.G	Pilot shuttle service in Peery Park and consider options for expansion of a similar service in other areas undergoing redevelopment.	CDD			●	●
		3.H	Develop design standards for streets and parking lots to accommodate increased pick-up and drop-off for rideshare passengers and apply as appropriate.	DPW, CDD			●	
		3.I	Monitor autonomous vehicle testing and deployment to inform proactive policy.	DPW		●	●	●
Play 3.3: Increase zero-emission vehicles	2030: 20% of all vehicles on road are zero-emission vehicles 2050: 75% of all vehicles on road are zero-emission vehicles	3.J	Develop a Community Electric Vehicle Readiness and Infrastructure Plan.	DPW, CDD		●	●	
		3.K	Promote and seek incentives for community adoption of electric vehicles.	ESD		●	●	
		3.L	Electrify Municipal Fleet as vehicles are replaced and continue to seek incentives for electric vehicles and charging infrastructure.	DPW, ESD	●	●	●	●

● Implementation timeline of these Moves has been updated to reflect Game Plan extension into FY23.

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Strategy 4: Managing Resources Sustainably				Dept	FY20	FY21	FY22	FY23
Play 4.1: Achieve Zero Waste goals for solid waste	2030: Reduce landfilled garbage to 1 lb per person per day 2050: Reduce landfilled garbage to <1 lb per person per day	4.A	Implement and expand food scraps diversion programs to include additional businesses and multi-family residences.	ESD		●	●	
		4.B	Consider solid waste collection and processing improvements to increase waste diversion away from landfills as a part of service provider and facility transition planning.	ESD	●	●	●	
		4.C	Implement campaign for waste prevention.	ESD		●	●	
Play 4.2: Ensure resilience of water supply	Targets will be defined as per state requirement	4.D	Promote and seek incentives for making water conservation a way of life and set a water reduction target consistent with new statewide requirements.	ESD	●	●	●	●
		4.E	Partner with Valley Water to evaluate opportunities to expand water reuse.	ESD	●	●	●	●
Play 4.3: Enhance natural carbon sequestration capacity	Supports broader net carbon reductions	4.F	Implement the City's Urban Forest Management Plan and continue to protect and greatly expand tree canopy.	DPW	●	●	●	●
		4.G	Implement the City's Green Stormwater Infrastructure Plan.	ESD	●	●	●	●
Play 4.4: Promote awareness of sustainable goods and services	Supports broader emissions reductions	4.H	Promote consumer awareness of sustainable food choices.	ESD				●
		4.I	Work with large businesses to identify best practices for implementing local food gardens.	ESD, OCM			●	●
Strategy 5: Empowering Our Community				Dept	FY20	FY21	FY22	FY23
Play 5.1: Enhance community awareness and engagement	Supports all other Plays	5.A	Pilot a targeted grassroots community engagement strategy (e.g., Cool Blocks Program) to create stronger connections between neighbors to advance climate action and emergency preparedness.	ESD			●	●
		5.B	Evaluate opportunities for the City to provide online resources and tools for community and small business climate action (e.g., resource center for retrofit electrification, online tool or app to track individual carbon emissions).	ESD	●	●		
		5.C	Create a stronger social media and web presence for Sunnyvale climate action..	ESD	●	●	●	●
		5.D	Implement the Sustainability Speaker Series.	ESD	●	●	●	●
		5.E	Pilot and evaluate a program for youth engagement on climate, building on current engagement with school classrooms and green teams.	ESD			●	
		5.F	Build relationships with largest employers to collaborate on climate action, such as: (a) engaging employees to participate in sustainability initiatives; (b) encouraging and facilitating investment in climate action programs or projects.	ESD, OCM	●		●	●
Play 5.2: Track and share data and tools	Supports all other Plays	5.G	Implement improvements for climate action data performance tracking and reporting progress to the public (e.g., community dashboard).	ESD	●	●	●	●
		5.H	Publish annual greenhouse gas (GHG) inventory.	ESD	●	●	●	●
Strategy 6: Adapting to a Changing Climate				Dept	FY20	FY21	FY22	FY23
Play 6.1: Assess climate vulnerabilities for Sunnyvale	No quantifiable target	6.A	Review and summarize assessment products developed by the County's Silicon Valley 2.0 project and by the State.	ESD	●	●		
		6.B	Participate in regional forums on climate vulnerabilities.	ESD, CDD, DPW	●	●	●	●
Play 6.2: Protect shoreline area from sea level rise and coastal flooding	No quantifiable target	6.C	Collaborate with Valley Water to advance a shoreline protection project with the US Army Corps of Engineers or other partners.	DPW, ESD	●	●	●	
		6.D	Identify shoreline protection solutions as part of Moffett Park Specific Plan update.	CDD	●	●	●	
Play 6.3: Strengthen community resiliency	No quantifiable target	6.E	Update existing emergency preparedness and response plans to address climate-related impacts such as heat events, air quality issues and flooding.	DPS, ESD			●	
		6.F	Develop a community resiliency plan.	DPS, ESD				●

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