

Joint Commissions Study Session on the Climate Action Playbook – April 15, 2019

Dot Exercise Results

Meeting attendees were invited to give feedback on Moves they were excited about, Moves they wanted to remove from the Playbook, and other comments. Each person was given ten dots to place next to Moves they were excited by (blue/green), and ten dots to place next to Moves they wanted to remove (red/yellow). The dot totals and comments are summarized below.

Strategy 1: Promoting Clean Electricity					
Play 1.1: Promote 100% clean electricity					
		Commission		Community	
Next Moves		Red Dots	Blue Dots	Yellow	Green
1.A	Continue to support and steer Silicon Valley Clean Energy (SVCE) in providing clean power and decarbonization programs.		4		5
1.B	Collaborate with SVCE to target direct access customers to shift to 100% clean electricity.	3	3		4
Play 1.2: Increase distributed solar photovoltaics and storage					
		Commission		Community	
Next Moves		Red Dots	Blue Dots	Yellow	Green
1.C	Collaborate with SVCE to evaluate opportunities for energy storage and to maximize utilization of local solar supply.		5		5

Comments:

- 1B Comment – What assistance is given to low/fixed income customers to convert?

Strategy 2: Decarbonizing Buildings

Play 2.1: Reduce energy consumption in existing buildings

		Commission		Community	
Next Moves		Red Dots	Blue Dots	Yellow	Green
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.		6		4
2.B	Advocate to regional providers of energy efficiency programs (such as Bay Area Regional Energy Network or BayREN, Silicon Valley Energy Watch or SVEW) that their offerings are more aggressively promoted to Sunnyvale residents and businesses.	3			

Play 2.2: Support electrification of existing buildings

Next Moves					
2.C	Develop a program to accelerate the adoption of heat pump water heaters and space heaters.		6		3
2.D	Electrify municipal buildings upon rebuild or significant remodel, including the Civic Center.		5		1

Play 2.3: Zero Net Energy and all-electric new construction

Next Moves					
2.E	Evaluate code and permitting processes to streamline building electrification.		6		
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.		5		5
2.G	Continue to incentivize energy efficient and high performance buildings through the Green Building Program updates.		2		
2.H	Research a mandatory solar roof ordinance for new commercial developments.	4	3		3

Comments:

- Require solar on all new roofs (not re-roofing)
- Don't mandate solar; mandate better
- Require 20% more Greenpoints on remodels
- Ban all future natural gas connections
- Mandatory solar for all multi-unit residential construction
- UUT would penalize mobile home residents who cannot easily electrify – Would require exemption

Strategy 3: Decarbonizing Transportation & Sustainable Land Use

Play 3.1: Balance land use supply and enhance urban form

		Commission		Community	
Next Moves		Red Dots	Blue Dots	Yellow	Green
3.A	Plan for additional housing, with the goal of diverse housing, to reduce long-distance commutes.		5	1	2
3.B	Identify areas that are most appropriate for parking strategies that discourage vehicle use, such as pricing, time limits and supply reductions.		8		4

Play 3.2: Increase transportation options and support shared mobility

Next Moves					
3.C	Enhance City Transportation Demand Management (TDM) program implementation and monitoring to facilitate further reductions in single-occupant automobile trips, citywide.		6		
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.		3		4
3.E	Update and implement the Integrated Bicycle, Pedestrian and Safe Routes to School Plan to achieve a connected, safe and active network.		9		2
3.F	Pilot and evaluate shared bicycle and scooter programs.		1	1	1
3.G	Pilot shuttle service in Peery Park and consider options for expansion of a similar service in other areas undergoing redevelopment.	1	1		
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.	3	1	2	
3.I	Monitor autonomous vehicle testing and deployment to inform proactive policy		3		3

Play 3.3: Increase zero-emission vehicles

Next Moves					
3.J	Develop a Community Electric Vehicle Readiness and Infrastructure Plan.		3		3
3.K	Promote and seek incentives for community adoption of electric vehicles.		4		2
3.L	Electrify Municipal Fleet as vehicles are replaced and continue to seek incentives for electric vehicles and charging infrastructure.		4		3

Comments:

- Our strategies for 3C and 3 D are under-developed
- Employ more paid parking to discourage driving where transit is available
- 3C is critical. We don't know how we're doing.
- We will not meet our goal without a great increase in focus on 3D
- Metrics include safety
- Require 20% of all new parking be 'electric' car ready
- Where is the necessary EV infrastructure investment?

Strategy 4: Managing Resources Sustainably

Play 4.1: Achieve Zero Waste goals

Next Moves		Commission		Community	
		Red Dots	Blue Dots	Yellow	Green
4.A	Implement and expand food scraps diversion programs to include additional businesses and multi-family residents.	3	2	2	1
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.		3		3
4.C	Implement campaigns for waste prevention.	2			2

Play 4.2: Ensure resilience of water supply

Next Moves					
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.		1		2
4.E	Partner with Valley Water to evaluate opportunities to expand water reuse.	1	2		3

Play 4.3: Enhance natural carbon sequestration capacity

Next Moves					
4.F	Implement the City's Urban Forest Management Plan and continue to protect and expand tree canopy.		3		
4.G	Implement the City's Green Stormwater Infrastructure Plan.	1			1

Play 4.4: Shift to low carbon food

Next Moves					
4.H	Promote consumer awareness of low carbon foods.	5	2		2
4.I	Work with large businesses to identify best practices for implementing local food gardens.	6			1

Comments:

- Apartment food scraps? (4A)
- Native trees? (4F)
- Need to reduce waste stream at source – City/County/State mandate – Reduced packaging or 100% recyclable containers
- Discourage mow – blow – go lawn care & phase out leaf blowers
- Work with UCCE Master Gardeners & Master Com – Posters on local food production in backyard gardens
- Require replacing or sealing fireplaces

**Strategy 5:
Empowering Our Community**

Play 5.1: Enhance community awareness and engagement

		Commission		Community	
Next Moves		# of Red Dots	# of Blue Dots	Yellow	Green
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.	1	1		2
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).		1		1
5.C	Create a stronger social media and web presence for Sunnyvale climate action.	1	1	1	3
5.D	Implement the Sustainability Speaker Series.		1	1	
5.E	Evaluate and pilot a program for youth engagement on climate, building on current engagement with school classrooms and green teams.		1		2
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.		6		2

Play 5.2: Track and share data and tools

Next Moves					
5.G	Implement improvements for climate action data performance tracking and reporting progress to the public (e.g., community dashboard).		2		3
5.H	Publish annual greenhouse gas (GHG) inventory.		1		

Comments:

- Bike to work plans

Strategy 6: Adapting to a Changing Climate					
Play 6.1: Assess climate vulnerabilities for Sunnyvale					
Next Moves		# of Red Dots	# of Blue Dots	Yellow	Green
6.A	Review and summarize assessment products developed by the County's Silicon Valley 2.0 project and by the State.				1
6.B	Participate in regional forums on climate vulnerability and adaptation.		1		
Play 6.2: Protect shoreline area from sea level rise and coastal flooding					
Next Moves					
6.C	Collaborate with Valley Water to advance a shoreline protection project with the US Army Corps of Engineers or other partners.		2		1
6.D	Identify shoreline protection solutions as part of Moffett Park Specific Plan update.		4		
Play 6.3: Strengthen community resiliency					
Next Moves					
6.E	Update existing emergency preparedness and response plans to address climate-related impacts such as heat events, air quality issues and flooding.		2		1
6.F	Develop a community resiliency plan.	1	2		1

Comments:

- We need a city map of areas affected by sea level rise. Needs to be visible to citizens
- 6F is critical. How can we prepare for what we can't prevent
- What would 6A mean in English