

SUSTABILITY GOALS FOR 2025 AND 2030

ATTACHMENT II

Topics Presented to Committee on Sept. 17, 2019	Topics/Projects in Draft Strategic Roadmap										Notes
	No.	Lead Dpt.	Supporting Depts.	Projects * = needs funding ** = statutory requirement Red text = not in Strategic Roadmap	Year 1 20/21	Year 2 21/22	Year 3 22/23	Year 3+	2025	2030	
	Combat Climate Change										
	-	1		Reduce Dependency on Fossil Fuels							
	All-electric design for new buildings	1a	PW&U	DSD	Ban Natural Gas in New Residential Buildings				NA	NA	<i>Scheduled for March 3 Council Meeting</i>
	Electric vehicle charging infrastructure	1b	PW&U	DSD	Require EV Charging Infrastructure in New Construction (Reach Code)				NA	NA	<i>Scheduled for March 3 Council Meeting</i>
	-	1c	PW&U	DSD, ED	Explore Feasibility of Banning Natural Gas in Non-residential (commercial) Buildings (for next code update)				NA	NA	Could be included in a reach code that could be adopted in 2022. Staff expects to begin researching in 2021.
		1d	MS	PW&U	Prepare a plan to facilitate transition of natural gas appliances to electric in City Facilities.				NA	NA	Once the plan is prepared, then goals for 2025 and 2030 can be established.
	Electrification of existing buildings (in the community)	NA			Electrification of existing buildings (in the community)				20%	63%	<p>To meet the 2025 GHG reduction goal, 20% (approximately 10,000) of existing residential homes will need to be retrofitted to be all electric.</p> <p>To meet the 2030 GHG reduction goal, 63% (an additional 22,000) of existing residential homes will need to be retrofitted to be all electric.</p> <p>(This is in addition to other actions that will be necessary to meet the overall GHG reduction goals such as increasing the number of Hayward customers receiving carbon free electricity and increasing the number of electric vehicles.)</p>
	Renewable Energy: Solar for the community	NA			Renewable Energy: Solar for the community				TBD	TBD	Given that most Hayward customers are already receiving 100% carbon free electricity, adding solar photovoltaics to existing buildings may not significantly reduce community-wide GHG emissions. Staff intends to work with EBCE during the update of the CAP to develop goals for increasing resiliency with installation of solar systems coupled with batteries.

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	East Bay Community Energy (increase the use of renewable energy)	2	PW&U	MSD	Work with EBCE to Transition Citywide Electricity Use to 100% Carbon Free					100%	NA	As noted in the Strategic Roadmap, this will require working with income-qualified and medical baseline customers and direct access commercial/industrial customers. (Income-qualified customers are those who qualify for PG&E's California Alternative Rates for Energy (CARE) or Family Electric Rate Assistance (FERA) programs. Direct Access customers are those who purchase their electricity directly from third-party service providers.
	-	3	PW&U	MSD	Transition Electricity Use in City Operations to 100% Renewable Energy					100%	NA	
	GHG Reduction: Goals for 2030 and beyond Support California's goal of carbon neutrality by 2045	4	PW&U	DSD	Adopt and Implement 2030 GHG Goal & Roadmap *					30%	55%	Percentages are the recommended targets for reductions in community-wide GHG emissions. Staff expects to issue an RFP for the CAP update in late 2020.
	Product bans	5	PW&U	DSD	Work with StopWaste to promote a Circular Economy and Explore Regulation of Single Use Products.							
	-	5a	PW&U	DSD	Conduct Outreach regarding single-use disposables					NA	NA	
	-	5b	PW&U	DSD	Develop ordinance regulating single-use food ware in restaurants and coordinate with county-wide efforts					NA	NA	
	Tree planting/Urban canopy	6	MSD		Plant 1,000 trees annually (500 per year by City staff, 500 additional trees by other partners (HARD, HUSD, CSU, Chabot, and private developers)					NA	NA	
	Electrification of the City's vehicle fleet	7	MSD	PW	Reduce Carbon Emissions – transition 15% of City fleet to EV/hybrid models.					20%	32.5%	Assumes conversion of 2.5% of fleet each year.
	-	8	PW	DSD	Adopt and Implement the 2019 Building Code & Fire Code					NA	NA	Codes were adopted in November 2019.
	Preparation for sea level rise	9	DSD	PW	Complete Shoreline Master Plan					NA	NA	
		9a			Complete EIR for Shoreline Master Plan					NA	NA	
	Tree planting/Urban canopy	10	MSD	DSD & PW	Update Tree Preservation Ordinance							

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	Improve Infrastructure											
	Public transportation improvements (efficiency, reliability, accessibility, increase in ridership)	4			Increase Transit options and ridership							
		4a	PW&U	CSD	Work with AC Transit Interagency Liaison Committee to make bus transit more convenient and reliable					NA	NA	
		4b	PW&U	DSD	Work with Alameda County Transportation Commission (ACTC) to develop a rapid bus project along Mission Blvd.					NA	NA	
		4c	PW&U	DSD	Work with Alameda County Transportation Commission (ACTC) to implement a rapid bus project along Mission Blvd.					NA	NA	
		4d			Continue to require new development adopt transportation demand management strategies to reduce the use of single-occupancy vehicles and encourage the use of alternative modes of travel					NA	NA	
		4e			Continue to work with BART to encourage transit-oriented development ton BART-owned property in Hayward.					NA	NA	
	Active transportation (bicycle & pedestrian infrastructure)	8			Implement Bike and Ped Master Plan							
	-	8a	PW&U		Add 2 miles of sidewalks per year *					NA	NA	
	-	8b	PW&U		Add 10 lane miles of bike lanes per year					NA	NA	
	-	8c	PW&U		Assess Safe Routes to School					NA	NA	
	-	8d	PW&U		Implement Safe Routes to School *					NA	NA	
	-	8e	PW&U		Assess Safe Route for Seniors in the Downtown Area					NA	NA	
	-	8f	PW&U		Implement Safe Route for Seniors in the Downtown Area					NA	NA	
		8g	PW&U		Conduct a feasibility study of Jackson Street improvements*					NA	NA	

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	NA	NA			Reduce use of existing gasoline/diesel vehicles (in the community)					15%	45%	Staff determined that to meet the community-wide GHG reduction targets, these are the percentages of gasoline vehicles that need to be taken off the road. This could be achieved by conversion to electric or by a community member opting for car-free lifestyle.
	Reduce vehicle miles traveled by single-occupant vehicles	NA			Reduce vehicle miles traveled by single-occupant vehicles					TBD	TBD	A reduction in vehicle miles traveled will be a component of the above percentages.
	Electric vehicle charging infrastructure	9			Expand EV Charging Infrastructure for City Fleet and Employees*							
	-	9a	MSD	PW&U	Conduct analysis of future demand					NA	NA	
	-	9b	MSD	PW&U	Construct additional EV charging facilities					TBD	TBD	To be determined upon completion of the analysis (Project 9a).
	Solar for City Facilities	16	PW&U		Implement Phase 2 of solar project and investigate interim uses of additional energy					NA	NA	
	Stormwater quality	17			Meet regulatory requirements for zero trash in stormwater by installing trash capture devices							
	-	17a	PW&U		Install trash capture devices					NA	NA	
	-	17b	PW&U		Perform related trash reduction activities					NA	NA	
	Water conservation	18			Expand Recycled Water Facilities							
	-	18a	PW&U		Complete RW project construction (initial phase)					NA	NA	
	-	18b	PW&U		Develop Recycled Water Master Plan					NA	NA	
	Water conservation: Bay-Friendly landscaping	NA			Bay-Friendly landscaping					TBD	TBD	

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Waste & Recycling												
	Composting Landfill diversion	NA			Increase percentage of waste sent to composting.					25%	50%	SB 1383 requires the state to reduce disposal of organic waste by 50% by 2020 and 75% by 2025. Hayward sends less organic waste to landfill compared to the state average.
	Compliance with SB 1383 (organics management and food rescue)	NA			Compliance with SB 1383 (organics management and food rescue)					20%	TBD	SB 1383 sets a statewide target to increase recovery of currently disposed edible food by 20% by 2025. SB 1383 regulations do not include targets beyond 2025
	Consumption Reduction	NA			Reduce consumption of resources in City operations (paper, water, etc.)					TBD	TBD	
	Carbon lifecycle of materials and products	NA			Encourage the community to reduce consumption as a means to reduce material sent to landfill and to reduce GHG emissions.					TBD	TBD	
	Quality of Life											
	Wildfire and air quality impacts from wildfires	NA								TBD	TBD	Determine goals during update of Climate Action Plan and/or Local Hazard Mitigation Plan.
	Community vulnerability to extreme heat	NA								TBD	TBD	Determine goals during update of Climate Action Plan and/or Local Hazard Mitigation Plan.