

FHDA Energy Master Plan Objectives
May 20, 2021
FINAL

Objectives	Description	Timeline	Source	Supports Goal No.	Comments/Implementation Examples
1	District Carbon Reduction Goals: <ul style="list-style-type: none"> Reduce GHG emissions 50 percent from 2005 levels by 2030 (Biden) Transition to natural gas free by 2035 Purchased electricity will be 100% renewable by 2045 (SB 100) Carbon Neutrality by 2045 (EO B-55-18) 	2035	Susan, Robert, Biden	1, 3, 4	1, 2, and 3 combined into a single goal for carbon/GHG reduction
2	Deploy EV charging infrastructure consistent with State of California goals and timelines for electrification of transportation	2025-2030	Robert, Susan Executive Order B-48-18 BOG Policy	1, 3, 4	Include Fleet Vehicles
3	Reduce Vehicle Miles Traveled (VMT) for Students, Faculty and Staff by 25-50% by 2035 including developing programs to make public and low-cost transportation accessible to enhance social equity.	2035	ESAC	1, 3, 4	EV, Public Transit (Smart Pass), Surveys, Carpooling, Bicycling. Reduce student VMT via Smart classrooms, Zoom, video recording and other strategies.
4	Evaluate Feasibility of Additional Renewable or Carbon-free Power (on-site and/offsite)	2022	Mission Statement	1, 3, 4	Purchase 100% Renewable Grid Energy for Foothill and De Anza, Feasibility Study for additional Solar PV
5	Evaluate Feasibility of additional Energy Efficiency measures to Support Carbon Reduction Goals and Reduce Environmental Impacts	2022	Mission Statement	1, 3, 4	Set Goals, Benchmarking, Facility Energy Audits, Install Energy Efficient Equipment, whole building metering, usage trend analysis, EMS, data-driven decision making.

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6	Optimize Energy Efficient Operations of Facilities	2023	Matt	1, 3, 4	Benchmarking, Retro-Commissioning, Monitoring Based Commissioning, EMS, Train Staff
7	Evaluate Campus Resiliency Opportunities	2022	Matt, Jennifer	1	Solar/Battery/Microgrid, Emergency Preparedness Plans.
8	Establish and Implement Green Building Standards	2021	BOG Climate Policy	1	LEED or other. Establish prior to execution of Measure G projects and ensure projects comply with new policy and standards.
9	Establish purchasing policies to meet the goals of environmental, economic, and social equity sustainability	2025	Mission Statement	2	EE Equipment Standards, Local/Sustainable Food, Minimum Recycled Content, Socially Responsible Purchasing
10	Institutionalize Energy and Sustainability Management in District Operations	2022	Matt	2, 5	Energy and Sustainability Manager, provide sufficient resources to implement Energy and Sustainability Goals
11	Develop Processes to Engage Students, Faculty, and Staff in Energy and Sustainability Activities in a Meaningful Way	2021	Mission Statement	2	Training, inclusive processes and procedures
12	Encourage Programs to Integrate Sustainability Activities into Student Learning and Educational Process	2022	Mission Statement	2	Curriculum.

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13	Enhance Campus and Community Engagement	2025	Matt	2, 5	Enhance ESAC Website, Hold Campus-wide Sustainability Events, Workshops and Presentations, Campus/District Outreach, Larger Community Outreach
14	Develop Programs to Enhance Social Equity	2022	Mission Statement	2	Intersection of social equity in sustainability and student equity as a FHDA-CCD goal.
15	Ensure Activities Consider Broader Economic and Environmental Impacts	2021	Jennifer	2, 5	Ensure activities consider economic constraints, true Environmental Impacts (including material, manufacturing, and disposal impacts), equipment maintenance considerations, and Life-Cycle Analysis.