

Clean Energy Roadmap Implementation Actions			
CERM Strategy and Implementation Actions	Implementation Performance Metrics	Project Lead, Potential Partners, Timeframe	Funding & Progress
1. Outreach and Engagement			
1.1 - Develop a thoughtful community outreach and engagement strategy that centers equity in the process. Outreach and engagement should educate residents about the benefits of all-electric buildings. Leverage regional programs like BayREN for outreach and education, as appropriate. The preliminary work done in this Roadmap should serve as a framework for engaging with impacted communities throughout the County.	Key Performance Metrics: - # Outreach activities conducted (events, workshops, webinars, tabling, etc.) - # Residents reached through outreach - # Residents reached that are in impacted community - % Residents reporting increased awareness of all-electric benefits - # Engaged residents utilizing EE or all-electric program	Lead: Department of Conservation and Development (DCD)	Funding: Measure X
		Potential Partners: Bay Area Regional Energy Network (BayREN), MCE, Community-Based Organizations (CBOs)	Progress: In development
		Time Frame: Complete by June 2027	
1.2 - Work with the County's Economic Development team on outreach to local trade schools, leveraging existing relationships with community colleges that provides information on pathways to becoming trained to work on transitioning buildings to be all-electric.	Key Performance Metrics: - # MOUs with trade schools, unions, etc. - # Trainings offered - # Trainees - # Grant applications submitted - Funding award rate (% funds requested/funds awarded) - Description of action(s) taken to implement Strategy	Lead: DCD	Funding: Measure X
		Potential Partners: CCC Economic Development, 4CD, Trade Schools,	Progress: Ongoing
		Time Frame: Work Ongoing. Metrics to be updated annually.	
2. Analysis			
2.1 - Expand on the preliminary building inventory. This should include a more comprehensive inventory that accurately reflects the distribution of homes by type and vintage so that these can be mapped on a more specific community scale. County staff should also work to gain a better understanding of the appliances that currently exist in homes by analyzing the permits issued for appliance replacement. For appliances that do not require a permit for replacement, such as stoves or washers and dryers, staff should seek other ways to identify whether these are gas fueled in homes or have already been swapped for the all-electric equivalent. These actions will help enable County staff to better prioritize and more accurately target specific areas based on home configuration and financial need. Explore the feasibility of this work being completed in-house or determine if a consultant is needed to assist with this work.	Key Performance Metrics: - Final Building Inventory document completed - # Maps created	Lead: DCD	Funding: Energy Efficiency Conservation Block Grant (EECBG) and Measure X
		Potential Partners: MCE, BayREN, PG&E, California Energy Commission (CEC), California Public Utilities Commission (CPUC)	Progress: 75% complete
		Time Frame: Expected completion Fall 2026. Required to be completed by June 2027	
2.2 - Expand on the preliminary cost analysis. This Roadmap presents a high-level overview of the costs associated with transitioning existing buildings to all-electric. Further research is needed on the direct and indirect costs for this all-electric transition which includes an analysis and cost breakdown of the various options for each appliance type and the operational costs around operating all-electric appliances. From this analysis, County staff could provide a policy or County specific program for consideration to encourage more buildings to operate solely using electricity.	Key Performance Metrics: - Final Cost Analysis document completed - Total cost range by appliance measure package	Lead: DCD	Funding: EECBG
		Potential Partners: MCE, BayREN	Progress: 90% complete
		Time Frame: Complete by January 2027	

Clean Energy Roadmap Implementation Actions Continued

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3. Collaboration with Regional and State Agencies			
3.1 - Work with the County’s Legislation Committee and BOS to develop a policy framework to more routinely engage with State regulatory agencies, such as the California Energy Commission (CEC), California Public Utilities Commission (CPUC), and California Air Resources Board (CARB), to provide input on activities and actions that help support all-electric building initiatives, or other low-carbon or carbon-free appliances for existing buildings.	Key Performance Metrics: - Engagement framework adopted - # Meetings with agencies (CEC, CPUC, CARB, etc.) - # Comment letters to regulatory proceedings submitted - # BOS and advisory committee meetings on topic - Description of action(s) taken to implement Strategy	Lead: DCD	Funding: Measure X
		Potential Partners: County Administrator's Office	Progress: In early development
		Time Frame: Fall-Winter 2027	
3.2 - Work with energy providers, such as PG&E, MCE, or other regulatory agencies, such as the CEC and CPUC, to obtain information on the gas infrastructure throughout the County to determine cost-effective opportunities where gas infrastructure could be decommissioned. Analyze which community areas may have the best opportunity for cost-effective gas infrastructure decommissioning and explore a County-wide strategy for decommissioning gas infrastructure in certain parts of the County, if feasible.	Key Performance Metrics: - # Meetings with agencies (PG&E, CEC, CPUC, CARB, etc.) - # Collaboration Projects with entities (PG&E, CEC, CPUC, or others) - # Datasets reviewed - # Mainlines and/or laterals identified - # Opportunities for gas pruning identified	Lead: DCD	Funding: Measure X
		Potential Partners: CEC, CPUC, PG&E, MCE	Progress: In early development
		Time Frame: Ongoing	
3.3 - Continue to track opportunities that assist property owners and renters in paying for retrofits associated with transitioning buildings to all-electric. These opportunities could include incentive programs that offer rebates or no-cost retrofits as well as financing options that are accessible to those of all income levels. In addition, County staff should track statewide and regional plans that address building decarbonization so that future planning efforts are aligned with these plans.	Key Performance Metrics: - Community funding opportunity tracker developed - # BayREN program enrollments - # Pilot programs initiated - # Impacted community members assisted	Lead: DCD	Funding: Measure X
		Potential Partners: N/A	Progress: Ongoing
		Time Frame: Ongoing	
4. Additional Items			
4.1 - Further explore the policy options outlined in this document to support making buildings all-electric: Time of Sale, Time of Major Renovation, Time of Burnout.	Key Performance Metrics: - Identification of policy feasibility criteria - # Policy options evaluated - # Stakeholder meetings to gather comments/feedback - # Ordinance/policy drafts produced - # Policy options adopted	Lead: DCD	Funding: Measure X
		Potential Partners: BayREN, local/regional CBOs, other public agencies	Progress: Not started
		Time Frame: Begin initial work in 2027	
4.2 - To support the transition of buildings to all-electric, work to develop a strategy to address the tenant/landlord rental property constraints that commonly prevent property owners from making building improvements.	Key Performance Metrics: - Develop barrier typology - Complete Strategy Outline - # Coordination meetings with entities on subject - # Project partnerships established	Lead: DCD	Funding: Measure X
		Potential Partners: Public agencies (i.e., Cities, and other regional entities), BayREN, MCE, local/regional CBOs	Progress: In early development
		Time Frame: Begin work in 2027	

Clean Energy Roadmap Implementation Actions Continued

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4. Additional Items			
4.3 - Seek solutions that make installing solar panels and battery storage accessible to all homeowners and property owners to improve the overall resiliency of households in unincorporated County, including community solar with battery storage. Work with the County's Legislation Committee and BOS to advocate through the CPUC for additional funding support to utility companies and collaborate with PG&E to facilitate more timely and efficient solar panel upgrades and backup battery installations.	Key Performance Metrics: - # Engagements with entities regarding funding - # kW of community solar installed - # Engagements with potential partners for project development - # Special projects completed	Lead: DCD	Funding: Measure X and future grant funds needed
		Potential Partners: PG&E, MCE, GRID Alternatives, local/regional CBOs	Progress: In early development
		Time Frame: TBD	
4.4 - Allow staff to seek and obtain funding that supports the implementation of this Roadmap.	Key Performance Metrics: - # Grant opportunities reviewed - # Grant opportunities pursued and dollar amount(s) - # Grants awarded and dollar amount(s)	Lead: DCD	Funding: Measure X
		Potential Partners: Sustainability Committee, BOS	Progress: Ongoing
		Time Frame: Ongoing	
4.5 - Identify opportunities for pilot projects that will test a variety of strategies for converting existing homes and other buildings to be all-electric.	Key Performance Metrics: # Pilot project opportunities identified # Pilot projects launched describing type(s) of project(s)	Lead: DCD	Funding: Measure X and current and future grant funds
		Potential Partners: CCC Jurisdictions	Progress: Ongoing
		Time Frame: Ongoing	