

CLIMATE POLUTION REDUCTION GRANT - DRAFT MEASURES AND IMPLEMENTATION CONCEPTS

KEY: How to read this document:

SECTOR	Strategy	Measures to implement the strategy.	Implemenetation Program Concept. Concepts can draw from multiple measures.
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**Implementation concepts draw upon multiple measures. Measures focus on specific technologies, market segments, or sub-strategies.*

SECTOR	STRATEGY	MEASURE	IMPLEMENTATION CONCEPT
BUILDINGS	Electrification & Efficiency	Incentivize building weatherization, as well as energy efficient appliances, lighting and building products.	Decarbonize municipal buildings: Assist municipal government facilities with energy efficiency and decarbonization, including air-source heat pumps, ground-source heat pumps, networked geothermal, solar, and storage.
			Decarbonize Schools: Assist schools and state colleges and universities through multiple actions for energy efficiency and decarbonization, including air source and ground source heat pumps, networked geothermal, solar and storage development. Include a focus on curriculum and community engagement to maximize community learning and awareness of decarbonization efforts.
		Target electrification and decommissioning of natural gas infrastructure.	Decarbonize Neighborhoods (“cities of the future”): Develop the model for regional decarbonization through pilot projects to fully decarbonize neighborhoods by retiring fossil fuel infrastructure, modernize electric infrastructure, and transition buildings to all-electric operation.
		Incentivize electric-end use space and water heating technologies, including air source and ground source heat pumps.	Increase Air Source Heat Pump Adoption: Promote the transition to efficient air source heat pumps through supporting the supply chain for available and affordable heat pumps, investing in vendor workforce development for installation, and increasing customer awareness and residential demand.
			Expand Networked Geothermal: Invest in a training center for networked geothermal to expand the workforce and grow industry capacity, and utilize waste heat in the expansion of district heating infrastructure.
TRANSPORTATION	Electrification	Increase adoption of electric medium- and heavy-duty vehicles through vehicle incentives and charging infrastructure.	Electrify Medium- and Heavy-Duty Vehicles: Increase adoption of electric vehicles through vehicle incentives, charging infrastructure support, and technical assistance; prioritize environmental justice communities and communities who experience the highest pollution rates from medium- and heavy-duty transport.
		Increase adoption of light-duty electric vehicles through vehicle incentives and charging infrastructure.	Electrify Municipal Fleets: Accelerate municipal and state vehicle electrification through vehicle rebates, procurements, and charging infrastructure.
	Mode shift	Increase access to transportation alternatives, such as rail, micro-transit and e-bikes.	Increase Safe Transportation Alternatives: Increase access to short distance transit including passenger van service, e-bikes, and investments in safe road infrastructure for modes of travel alternative to vehicles.
			Expand Commuter Rail Transit: Accelerate the expansion of the East-West Commuter Rail by investing in rail and station upgrades.
POWER	New Generation	Incentivize new utility scale renewable generation, such as solar and offshore wind.	Accelerate Offshore Wind Development: Invest in port infrastructure to support offshore wind development and overcome supply chain bottlenecks. Focus opening new offshore wind areas, such as the Gulf of Maine.
			Increase Solar Installation on Large Rooftops: Assist solar deployment on large, non-residential rooftops, particularly in urban centers, through technical assistance and incentives.
		Develop distributed renewable generation.	Increase Distributed Solar Installations as part of the effort to decarbonize schools, municipal buildings, and residential buildings.
	Optimize	Increase utilization of new generation capacity	Develop Municipal Microgrids: Support the development of interconnected renewable generation and storage in municipalities. Study best practices from the microgrid pilot project in Chelsea, Massachusetts to replicate this approach in other municipalities to strengthen community resilience and energy reliability.
NATURAL AND WORKING LANDS	Sequestration	Promote tree planting within the built environment.	Increase tree planting as part of the effort to decarbonize schools, municipal buildings, and residential buildings.