

Stockton Draft Strategies 9/02/2020

Priority (Please Select)	#	Category	Community Suggested Measures	Type of Program	Partner or Implementing Agency	Description	Quantifiable Emissions Reduction	Pollutants Reduced	Estimated Incentive per Unit	Cost Effectiveness Range (Incentive Funding per Tons of Emisions Reduced) \$/ton
High Medium Low	C.1	Cooking	Develop Strategies for Addressing Emissions from Outdoor Charbroiling	Regulatory	City of Stockton	Work with City of Stockton and other community partners to develop strategies for addressing community concerns about impacts of outdoor commercial cooking emisisions, including siting considerations near sensitive receptors and areas of concern (e.g. El Dorado)		PM2.5		
High Medium Low	HD.1	Heavy Duty Mobile Sources	Incentives for Zero and Near-Zero Emission Technology for Heavy Duty Trucks	Incentives	District	Incentive program for heavy duty truck replacement with zero and near zero emission technology.	x	Diesel PM, NOx, PM2.5, VOCs	\$100,000 Near Zero Class 7-8 \$200,000 Zero Emission Class 7-8	\$16,000 avg for New Purchase \$44,000 avg for Replacement
High Medium Low	HD.2	Heavy Duty Mobile Sources	Support Planning and Development of Clean Fueling Infrastructure: Alternative Fuel Fueling Station	Incentives	District	Support planning and development of clean fuel infrastructure (natural gas and electric charging)		Diesel PM, NOx, PM2.5, VOCs		
High Medium Low	HD.3	Heavy Duty Mobile Sources	Enhanced Enforcement of Statewide Anti-Idling Regulation	Enforcement	CARB District	Enhanced enforcement of the statewide anti-idling regulation.		Diesel PM, NOx, PM2.5, VOCs		
High Medium Low	HD.4	Heavy Duty Mobile Sources	Incentive Funding for New School Buses	Incentives	District	Incentive program for replacing older diesel school buses with zero or near zero emission buses.	x	Diesel PM, NOx, PM2.5, VOCs	\$400,000	\$250,000-\$300,000
High Medium Low	HD.5	Heavy Duty Mobile Sources	Incentives for Locomotives	Incentives	District	Incentive program for replacing older diesel locomotives with new clean engine technology.	x	Diesel PM, NOx, PM2.5, VOCs	\$2,600,000	\$10,000 to \$30,000
High Medium Low	HD.6	Heavy Duty Mobile Sources	Incentives for Railcar Movers/Switchers	Incentives	District	Incentive program for replacing older diesel railcar movers and switcher locomotives with new clean-engine technology.	x	Diesel PM, NOx, PM2.5, VOCs	\$1,000,000	\$10,000 to \$30,000
High Medium Low	HD.7	Heavy Duty Mobile Sources	Heavy Duty Truck Rerouting	Land Use Agency Partnership	City of Stockton San Joaquin County	Work with City and County to assess current truck routes <b>CSC suggested Boggs Tract.</b>		Diesel PM, NOx, PM2.5, VOCs		
High Medium Low	LG.1	Lawn and Garden	Incentives for Replacement of Residential Lawn and Garden Equipment	Incentives	District	Incentive program for the replacement of residential lawn and garden equipment.	x	NOx, PM2.5, VOCs	\$50.00 (New Purchase) \$250 (Replacement)	up to \$210,000
High Medium Low	LG.2	Lawn and Garden	Incentive Funding for Commercial Lawn and Garden Equipment	Incentives	District	Incentive program for the replacement of commercial lawn and garden equipment.	x	NOx, PM2.5, VOCs	\$20,000 (Riding Mower)	\$80,000
High Medium Low	LU.1	Land Use	Land Use/Sustainable Development: Support Projects that Reduce VMT	Land Use Agency Partnership	Local Transportation Agencies	Provide District support for projects that reduce VMT, including advocacy for competitive project proposals and potential match funding support to eligible projects, as appropriate, through existing District programs		NOx, PM2.5, VOCs		
High Medium Low	LU.2	Land Use	Bike Lanes and Walking Trails	Land Use Agency Partnership	Local Transportation Agencies	Work with City, County, and San Joaquin Council of Governments to assess current bike path and look for funding to make community more bike and walk friendly		NOx, PM2.5, VOCs		\$40,000-\$100,000+

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High Medium Low	O.1	Outreach	Outreach: Community Air Quality Outreach Strategy	Outreach	District	Multilingual effort: Increase community awareness of available tools to keep informed of real-time changes in air quality through social media campaigns and a series of partner workshops. Will explore text messaging, billboards, NextDoor, other unique outreach mechanisms as suggested by the committee. Would aim to focus outreach on Stockton CSC concerns, including fireworks, illegal burning, idling.				
High Medium Low	O.2	Outreach	Outreach: Sharing Clean Air Efforts and How Communities Can Get Involved	Outreach	District	Multilingual effort: Outreach to share clean air efforts and how communities can get involved. This strategy would increase awareness of programs by establishing a series of outreach events within community. Some ideas include <b>educating truckers about idling, using direct mail where possible, and encouraging positive messaging.</b>				
High Medium Low	PO.1	Port of Stockton	Incentives for Zero and Near-Zero Emission Technology for Heavy Duty On-Road and Off-Road Equipment Operating at Port of Stockton	Incentives	District Port of Stockton	Incentive program for heavy duty vehicle with zero and near zero emission technology, including Transport Refrigeration Units (TRUs), Drayage Trucks, etc. <b>Focus on equipment in Port</b>	x	Diesel PM, NOx, PM2.5, VOCs	Yard Trucks \$140,000 based on current program \$75,500 based on Moyer & Off-Road	\$25,000 to \$50,000+
High Medium Low	PO.2	Port of Stockton	Incentive Funding for Tug Boat Replacement/Repower	Incentives	District Port of Stockton	Incentive program for tug boat replacement/repower.		Diesel PM, PM2.5, NOx, Toxics		
High Medium Low	PO.7	Port of Stockton	Additional strategies for transitioning to cleaner vehicles, reducing congestion, and other strategies identified through the CERP development process	Partnership	Port of Stockton	Strategiesto be identified and developed in coordination with the Port of Stockton		Diesel PM, NOx, PM2.5, VOCs		
High Medium Low	RB.1	Residential and Illegal Burning	Incentives to Replace Wood Burning Devices	Incentives	District	Incentive program for the replacement of existing wood burning devices and pellet stoves with natural gas or electric technologies.	x	PM2.5	\$2,000.00 (Between 30-70% of total cost)	\$8,000-\$25,000 (13,800 Avg.)
High Medium Low	RB.2	Residential and Illegal Burning	Outreach to Reduce Illegal Burning Activity	Outreach	District	Reduce illegal burning through residential open burning education. <b>Target CSC areas of concern</b>		PM2.5, toxics		
High Medium Low	RB.3	Residential and Illegal Burning	Enhanced Enforcement to Reduce Illegal Burning of Residential Waste	Enforcement	District	Enhanced enforcement to reduce illegal burning of residential waste. <b>Target CSC areas of concern</b>		PM2.5, toxics		
High Medium Low	SC.1	Schools	Air Filtration Systems in Community Schools	Incentives Mitigation	District School Districts	Incentive program to install advanced air filtration systems in community schools.		PM2.5, Ozone		N/A
High Medium Low	SC.2	Schools	Healthy Air Living Schools: Increase Participation	Outreach	District	Reduce children's exposure through increased enrollment in the Healthy Air Living (HAL) Schools Program.				
High Medium Low	SS.1	Stationary Sources	Evaluation of BARCT Requirements for Rules that Apply to Cap and Trade Facilities	Regulatory	District	Regulatory actions: evaluation of BARCT requirements for rules that apply to Cap and Trade facilities. The District will examine a subset of stationary source rules to determine if they meet state BARCT requirements.		Diesel PM, NOx, PM2.5, VOCs, Toxics		
High Medium Low	SS.2	Stationary Sources	Evaluation of Rules to Determine Whether Additional Reductions are Possible for Sources of NOx and PM2.5	Regulatory	District	Regulatory actions: evaluation of rules to determine whether additional reductions are possible for sources of NOx and PM2.5. The District will analyze and amend eight District rules to pursue additional reduction opportunities beyond BARCT.		Diesel PM, NOx, PM2.5, VOCs, Toxics		
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High Medium Low	SS.3	Stationary Sources	Expedited Facility Risk Assessment And Risk Reduction Under District Implementation of the Air Toxics Hot Spots Information And Assessment Act (AB 2588)	Regulatory	District	Regulatory actions: expedited facility risk assessment and risk reduction under District implementation of the Air Toxics Hot Spots Information and Assessment Act (AB 2588). The District has put into effect a plan to expedite the AB 2588 reassessments for facilities located within the AB617 community	Diesel PM, NOx, PM2.5, VOCs, Toxics		
High Medium Low	TP.1	Transportation	Electric Bike Sharing Program	Incentives	San Joaquin Regional Transit District	Incentive program to bring a partner to launch a bike share program to help residents share clean cars in community.  <a href="https://sjrtdbikeshare.altaprojects.net/">https://sjrtdbikeshare.altaprojects.net/</a>	NOx, PM2.5, VOCs		
High Medium Low	TP.2	Transportation	Host Tune-In Tune-Up Events within Community	Incentives	District	Incentive program to host a local Tune In Tune Up event to reduce emissions from older, high polluting cars.	x	NOx, PM2.5, VOCs	\$600 (Between 70-100% of total cost) \$40,000-\$60,000
High Medium Low	TP.3	Transportation	Incentives for Residents to Transition to Electric or Plug-in Hybrid Vehicles	Incentives	District	Incentive program for the replacement of passenger vehicles with battery electric or plug-in hybrid vehicles.	x	NOx, PM2.5, VOCs	\$8,000 (Between 30-70% of total cost) \$150,000-850,000 (Incentives to check assumptions)
High Medium Low	TP.4	Transportation	Incentives for Electric Vehicle Charging Stations	Incentives	District	Incentive program for the installation of charging stations for electric vehicles			
High Medium Low	TP.5	Transportation	Educational Training for Electric Vehicle Mechanics	Incentives	District Local Community College	Incentive program for educational training for electric vehicle mechanics.			
High Medium Low	TP.6	Transportation	Car Sharing Program	Incentives	District Car Share Partner	Incentive program to bring a partner (like Mio Car) to launch a car share program to help residents share clean cars in community.		NOx, PM2.5, VOCs	
High Medium Low	TR.1	Greening/Trees	Identify Opportunities for Increased Urban Greening in the Community	Mitigation	PUENTES City of Stockton San Joaquin County	Increased urban greening and forestry to improve air quality. The goal is to identify and support efforts to increase urban greening and forestry to improve air quality and overall quality of life for residents in the community. <b>Keep in mind water issues.</b>		Ozone, PM2.5, NOx, CO	
High Medium Low	TR.2	Greening/Trees	Incentives for Installation of Vegetative Barriers Around/Near Sources Of Concern	Incentives Mitigation	City of Stockton San Joaquin County Caltrans Port of Stockton	Incentive program for the installation of vegetative barriers around/near sources of concern <b>(schools, along truck routes, near Port of Stockton, Charter Way and El Dorado)</b>		Ozone, PM2.5, NOx, CO	