

South Central Fresno Steering Committee

Community Emission Reduction Program Development

Summary of Draft CERP Measures 8/28/19

Measure #	Implementing Agency	Measure Description	Estimated Lifetime Emissions Reductions (tons)			# of Units	Type of Unit	Incentive Funding	Cost Effectiveness (\$/ton)
			PM2.5	NOx	Toxics				
Heavy Duty Mobile Sources									
HD.1	SJVAPCD	Provide Enhanced Incentive Funding for Zero and Near-Zero Emission Technology	1.35	491.5	x	150	Trucks	\$ 15,000,000	\$30,000 - \$60,000
HD.2	SJVAPCD	Deployment of Zero Emission Yard Trucks and Truck Refrigeration Units (TRUs)	0.15 - 2.7	9.0 - 19	x	50	Yard Trucks or TRUs	\$ 7,000,000	\$65,000 - \$200,000
HD.3	SJVAPCD	Measures to Reduce Idling: Charging Plugs for Trucks	0.17	10.33	x	33	Charging plugs	\$ 100,000	N/A
HD.4	SJVAPCD, City	Support Planning and Development of Clean Fueling Infrastructure: Alternative Fuel Fueling Station				2	Alternative Fueling Stations	\$ 2,000,000	N/A
HD.5	SJVAPCD	Implement Pilot Incentive Program to Provide Truck Emissions Repairs	TBD	TBD	TBD	9	Truck Repairs	\$ 75,000	N/A
HD.6	CARB, SJVAPCD	Enhanced Enforcement of Statewide Anti-Idling Regulation	*	*	*				
HD.7	SJVAPCD	Enhance Outreach and Access to Incentive Funding for New School Buses	8.32	20.8	x	16	School Buses	\$ 6,400,000	\$ 218,000
HD.8	SJVAPCD	Incentive Program for Transit Bus Replacement	TBD	TBD	x	TBD	Transit Buses	TBD	N/A
HD.9	SJVAPCD	Incentives for Locomotives	5.6	252	x	4	Locomotives	\$ 10,400,000	\$ 50,000
HD.10	SJVAPCD	Incentives for Railcar Movers/Switchers	3.5	133	x	7	Switcher Locomotives	\$ 9,400,000	\$ 10,000
HD.11	City, County	Heavy Duty Truck Rerouting							
HD.12	SJVAPCD, CARB	Promote the use of biodiesel/renewable diesel fuels (measure to be added to CERP)							
Older/High Polluting Passenger Cars									
C.1	SJVAPCD	Host Tune-In Tune-Up Events within Community	*	11.6	x	1250	Vehicle Repairs	\$ 1,000,000	\$ 45,000
C.2	SJVAPCD	Enhanced Access/Outreach to Incentives through Drive Clean	0.07	1.98	x	220	Clean-air Vehicles	\$ 1,600,000	\$ 240,000
C.3	SJVAPCD	Car Share Program	*	*	x	1	Car Share Program	\$ 250,000	N/A
C.4	SJVAPCD	Incentives for EV Infrastructure				42	EV Chargers	\$ 250,000	N/A
C.5	SJVAPCD	Increased Educational Training for EV Mechanics				5	Training Events	\$ 75,000	N/A
C.6	SJVAPCD	Ride Share Programs for Community	TBD	TBD	x	TBD	Ride Share Programs	\$ 250,000	N/A
Residential Burning									
RB.1	SJVAPCD	Provide Enhanced Incentives to Replace Wood Burning Devices	246	*	x	500	Devices	\$ 1,500,000	\$ 7,000
RB.2	SJVAPCD	Educate Public About Harmful Impacts of Wood Burning	*	*	*				
RB.3	SJVAPCD	Enhanced Enforcement of Wood Burning Curtailments	*	*	*				
RB.4	SJVAPCD	Outreach to Reduce Illegal Activity	*	*	*				
RB.5	SJVAPCD	Enhanced Enforcement to Reduce Illegal Burning of Residential Waste	*	*	*				
Agricultural Open Burning									

AG.1	SJVAPCD	Provide Incentives for Alternatives to Agricultural Burning (chipping/soil incorporation)	*	*	*	700	acres	\$ 375,000	\$ 2,500	
AG.2	CARB/DPR	Reduce Community Exposure to Pesticides (measure to be added to CERP)			*					
Industrial Sources										
IS.1	SJVAPCD	Provide incentives to plating operations to further reduce chrome emissions	TBD		x	TBD	TBD	TBD	TBD	
IS.2	SJVAPCD	Evaluate feasibility of funding further emissions reductions from biomass power facility (include mobile sources)	TBD		x	TBD	TBD	TBD	TBD	
IS.3	SJVAPCD	Evaluate feasibility of funding further emissions reductions from glass manufacturing plants (include mobile sources)	TBD		x	TBD	TBD	TBD	TBD	
IS.4	SJVAPCD	Enhanced Inspection Frequency	*	*	*					
IS.5	SJVAPCD	Pilot Training Program for Conducting Self-Inspections at Gas Stations	*	*	*					
IS.6	SJVAPCD	Provide Incentives to Install Advanced Control Technology	*	TBD	TBD	TBD	TBD	TBD	TBD	
Land Use and Urban Sources										
LU.1	SJVAPCD, City	Land Use/Sustainable Development: Support Projects that Reduce VMT	*	*	x					
LU.2	SJVAPCD, City	New Construction: Provide assistance during the CEQA process	*	*	*					
SD.1	PUC	Seek incentives for local businesses and homeowners to install solar power and energy storage	*	*	*				\$ 1,000,000	
CC.1	SJVAPCD	Incentives to reduce PM from commercial underfired charbroilers	TBD		x	8	Control Systems	\$ 1,200,000	\$ 135,000	
FD.1	SJVAPCD	Fugitive Dust: Enhanced Enforcement Regulation VIII Fugitive Dust Requirements	*							
FD.2	SJVAPCD, Caltrans, City, County	Road Dust: Evaluate increasing frequency of street sweeping	*							
FD.3	SJVAPCD, Caltrans, City, County	Road Dust: Evaluate feasibility of road paving improvements	*							
LG.1	SJVAPCD	Provide Enhanced Incentives for Replacement of Residential Lawn and Garden Equipment	27	40	x	570	Lawn & Garden Units	\$ 200,000	\$ 3,000	
LG.2	SJVAPCD	Enhance Outreach and Access to Incentive Funding for Commercial Lawn and Garden Equipment	TBD	TBD	x	60	Lawn & Garden Units	\$ 75,000	N/A	
PF.1	SJVAPCD, City, County	Enhance Outreach and Access to Incentive Funding for Public Fleet Vehicles	TBD	TBD	TBD	400	Vehicles	\$ 8,000,000	\$ 240,000	
Exposure Reduction Measures										
SC.1	SJVAPCD	Air Filtration Systems in Community Schools	*	*	*	5	Filtration Systems	\$ 100,000	N/A	
SC.2	SJVAPCD	HAL Schools: Increase Participation	*	*	*					
IAQ.1	CAPK, CSD, SJVAPCD	Mitigate indoor exposure to air pollution through weatherization and enhanced energy efficiency	*	*	*					
UG.1	City, County	Identify opportunities for increased urban greening and forestry in the community	*	*	*					
VB.1	SJVAPCD, Caltrans, City, County	Provide Incentives for Installation of Vegetative Barriers Around/Near Sources Of Concern	*	*	*					

IR.1	SJVAPCD, City, County	Idling-Reduction Strategy: Reducing Automobile Idling Near Sensitive Receptors	*	*	*				
O.1	SJVAPCD	Outreach: Community Air Quality Outreach Strategy	*	*	*				
O.2	SJVAPCD	Outreach: Sharing Clean Air Efforts and How Communities Can Get Involved	*	*	*				
O.3	SJVAPCD, Local Partners	Joint Advocacy for Continued/Additional Funding to Support Air Quality Improvement Measures							
Subtotal: District Measures			292	961				\$ 67,250,000	
Statewide Strategies									
	CARB	Reducing Emissions from Dairy and Other Livestock	*	*	*				
	CARB	Reducing Emissions from Organic Waste in Landfills	*	*	*				
	CARB	Cross-Agency Engagement and Integration of Pesticide Application Information	*	*	*				
	CARB	Reducing Emissions from Oil and Gas Systems	*	*	*				
	CARB	Advanced Clean Trucks Regulation	1.3	42.5	X				
	CARB	Heavy Duty Vehicle Inspection and Maintenance	15.6	1080	X				
	CARB	Drayage Truck Regulation Amendments	*	*	*				
	CARB	Transport Refrigeration Unit Regulations	*	*	*				
	CARB	Real Emissions Assessment Logging System	*	*	*				
	CARB	Freight Handbook	*	*	*				
	CARB	Truck and Bus Local Idling Pilot Study	*	*	*				
	CARB	Cargo Handling Equipment Regulation Amendment	*	*	*				
	CARB	Advanced Clean Cars 2	0.2	10.8	X				
	CARB	Evaluation and Potential Development of Regulation to Reduce Idling for All Rail Yard Sources	*	*	*				
	CARB	Evaluation and Potential Development of Regulation to Reduce Emissions for Locomotives Not Preempted Under the Clean Air Act	*	*	*				
	CARB	New Standards for Small Off-Road Engines (SORE)	0	40.5	X				
	CARB	Commercial Cooking Suggested Control Measure	*	*	*				
	CARB	Conduct Periodic Supplemental Environmental Projects Outreach	*	*	*				
Subtotal: CARB Statewide Measures			17.1	1173.8					
TOTALS			309	2135				\$ 67,250,000	