

## Proposed Control Approaches and Measures

2012 AQMP, May 2012

PROPOSED <b>SHORT-TERM</b> MEASURES – 24-HR PM 2.5 PLAN				
Number	Title	Adoption	Implementation Period	Reduction (tpd)
CMB-01	Further Emission Reductions from NOx RECLAIM [NOx] – <i>Phase I</i>	Short-term (prior to 2015)	By 2017	2-3
BCM-01	Further Emission Reduction from Wood Burning Fireplaces and Wood Stoves (R445) – <i>localized, episodic</i> [PM2.5]	Short-term (prior to 2015)	2015	TBD
BCM-02 (formerly BCM-05)	Emission Reductions from Under-Fired Charbroilers [PM2.5]	Short-term (prior to 2015)	Prior to 2017	TBD
IND -01 (formerly MOB-03)	Backstop Measures for Indirect Sources of Emissions from Ports and Port-Related Sources [NOx, SOx, PM2.5]	Short-term (prior to 2015)	12 months after trigger	TBD
INC-01	Economic Incentive Programs to Adopt Cleaner, More Efficient Combustion Equipment [All Pollutants]	Ongoing	Ongoing	TBD
INC-02	Expedited Permitting and CEQA Preparation Facilitating the Manufacturing of Zero and Near-Zero Technologies [All Pollutants]	Ongoing	Ongoing	TBD
EDU-01 (formerly MCS-02, MCS-03)	Education, Outreach and Incentives: Energy and Environmental Benefits [All Pollutants]*	Ongoing	Ongoing	TBD
MCS-01	All Feasible Measures Assessment [All Pollutants]	Ongoing	Ongoing	TBD

\* including conservation, energy efficiency, lighting technology and urban heat island activities

### CONTINGENCY MEASURES – 24-HR PM 2.5 PLAN – WILL DEMONSTRATE AIR QUALITY IMPROVEMENT WITH EXTENSION OF ATTAINMENT DATE

EARLY ACTION 8-HR OZONE MEASURES –STATIONARY SOURCES				
Number	Title	Adoption	Implementation Period	Reduction (tpd)
CTS-01	Further Emission Reduction from Architectural Coatings (R1113) [VOC]	2015/2016	2018/2020	4-5
CTS-02	Further Emission Reduction from Miscellaneous Coatings, Adhesives, Solvents and Lubricants [VOC]	2013/2015	2015/2018	1-2
CTS-03	Emission Reduction from Mold Release Products [VOC]	2014	2016	2
CMB-01	Further Emission Reductions from NOx RECLAIM [NOx] – <i>Phase II</i>	Mid-term (after 2015)	By 2020	1-2
CMB-02	Emission Reductions from Landfill and Wastewater Treatment Flares [NOx, VOC]	Short-term (prior to 2015)	Prior to 2017	TBD
CMB-03	Commercial Space Heating [NOx]	2016	2018-2020	0.6 - 1

FUG-01	Emission Reduction from Vacuum Truck Venting [VOC]	2014	2016	1-1.5
FUG-02	Emission Reduction from Propane Gas Refueling [VOC] – <i>Phase II</i>	2015	2017	1
FUG-03	Additional Emission Reductions from LDAR and Vapor Recovery Systems [VOC]	Mid-term (2016)	2018	1-2
MCS-02	Further Emission Reductions from Green Waste Processing (Chipping and Grinding Operations not associated with composting) [VOC]	2015	2016	TBD
MCS-03 <i>(formerly MCS-06)</i>	Improved Start-up, Shutdown and Turnaround Procedures [All Pollutants]	Short-term (prior to 2015)	Prior to 2017	TBD
INC-01	Economic Incentive Programs to Adopt Cleaner, More Efficient Combustion Equipment [All Pollutants]	Ongoing	Ongoing	TBD
INC-02	Expedited Permitting and CEQA Preparation Facilitating the Manufacturing of Zero and Near-Zero Technologies [All Pollutants]	Ongoing	Ongoing	TBD
EDU-01	Education, Outreach and Incentives: Energy and Environmental Benefits [All Pollutants]*	Ongoing	Ongoing	TBD
MCS-01	All Feasible Measures Assessment [All Pollutants]	Ongoing	Ongoing	TBD

\* including conservation, energy efficiency, lighting technology and urban heat island activities

<b>EARLY ACTION 8-HR OZONE MEASURES –ON-ROAD MOBILE SOURCES</b>				
<b>Number</b>	<b>Title</b>	<b>Adoption</b>	<b>Implementation Period</b>	<b>Reduction (tpd)</b>
ONRD-01	Accelerated Penetration of Partial Zero-Emission and Zero Emission Vehicles [NOx]	N/A	Ongoing	TBD
ONRD-02	Accelerated Retirement of Older Light-Duty and Medium-Duty Vehicles [NOx]	N/A	Ongoing	TBD
ONRD-03	Accelerated Penetration of Partial Zero-Emission and Zero Emission Medium Heavy-Duty Vehicles [NOx]	N/A	Ongoing	TBD
ONRD-04	Accelerated Retirement of Older Heavy-Duty Vehicles [NOx]	Short-term (prior to 2015)	2015-2020	TBD
<b>EARLY ACTION 8-HR OZONE MEASURES –OFF-ROAD MOBILE SOURCES</b>				
<b>Number</b>	<b>Title</b>	<b>Adoption</b>	<b>Implementation Period</b>	<b>Reduction (tpd)</b>
OFFRD-01	Extension of the SOON Provision for Construction/Industrial Equipment [NOx]	N/A	Ongoing	TBD
OFFRD-02	Further Emission Reductions from Freight Locomotives [NOx]	Ongoing	Ongoing	TBD
OFFRD-03	Further Emission Reductions from Passenger Locomotives [NOx]	Ongoing	2014 – 2017	TBD
OFFRD-04	Further Emission Reductions from Ocean-Going Marine Vessels While at Berth [NOx]	Short-term (prior to 2015)	2014 – 2023	TBD
OFFRD-05	Emission Reductions from Ocean-Going Marine Vessels [NOx]	N/A	Ongoing	TBD