

**Proposition 1B: Goods Movement Emission Reduction Program
 Bay Area Corridor
 Grant: G08GMBS1 Ships at Berth
 Solicitation Name: Ships at berth & Cargo Handling Equipment
 Bay Area Air Quality Management District
 Approved Preliminary Ranked List**

Project Information										Emission Reductions, Scoring and Ranking							
Applicant Name	ARB Equipment Project ID	Port/Rail Yard	Berth Identifier	Equipment Project Option	Bond Funding \$	Total State Funding \$	Non-Bond Funding \$	Total Eligible Project Cost \$	Oper. Year	PM Reductions (lbs)	NOx Reductions (lbs)	Weighted Emission Reductions (lbs)	Weighted Emission Reduction Score	Cost Effectiveness (lbs/State \$)	Cost Effectiveness Score	Competitive Score	Final Ranking
Port of Oakland	G08GMBS1_00001	Oakland	68	Grid based	2,500,000	2,500,000	5,043,000	6,411,550	2014	16,596	972,342	1,304,262	8	0.5217	8	16	1
Port of Oakland	G08GMBS1_00002	Oakland	55	Grid based	2,500,000	2,500,000	4,100,000	5,610,000	2014	15,844	928,315	1,245,195	7	0.4981	7	14	2
Port of Oakland	G08GMBS1_00003	Oakland	35	Grid based	2,500,000	2,500,000	4,120,000	5,627,000	2014	14,103	826,830	1,108,323	6	0.4433	6	12	3
Port of Oakland	G08GMBS1_00004	Oakland	30	Grid based	2,500,000	2,500,000	5,776,000	7,034,600	2014	14,095	825,830	1,107,730	5	0.4431	5	10	4
Ports America Outer Harbor Terminal, LLC	G08GMBS1_00010	Oakland	24	Grid based	2,500,000	2,500,000	5,055,254	7,148,204	2014	13,475	789,511	1,059,011	4	0.4236	4	8	5
Port of Oakland	G08GMBS1_00005	Oakland	59	Grid based	2,500,000	2,500,000	4,235,000	5,724,750	2014	12,427	728,076	976,616	3	0.3906	3	6	6
Port of Oakland	G08GMBS1_00006	Oakland	32	Grid based	2,500,000	2,500,000	5,347,000	6,669,950	2014	5,972	349,918	469,358	2	0.1877	2	4	7
Port of Oakland	G08GMBS1_00007	Oakland	37	Grid based	2,500,000	2,500,000	4,592,524	5,533,500	2014	4,087	239,430	321,170	1	0.1285	1	2	8
					20,000,000	20,000,000	38,268,778	49,759,554		96,599	5,660,252	7,591,665					

Berth Activity Data (used to calculate emission reductions)

Equipment Project Information					Details of Projected Berth Visits that will Utilize Bond Funded Equipment (plug-in visits only)							
ARB Equipment Project ID	Port	Berth Name	Performance Compliance Option	Total Visits per Year to Berth	Period of Operation	Vessel Type	# of Vessels	Visits/ Year (by vessel type)	Average Hoteling Time (Hr)	In-use Aux Power (kW)	Total Aux Power(kW)	Load Factor
G08GMBS1_00001	Oakland	68	Option 1: Regulated Vessels	74	2014-2016	Container 2000-2999	3	14.8	34.5	1,599	8,886	0.18
					2017-2019	Container 2000-2999	3	19.74	34.5	1,599	8,886	0.18
					2020 and beyond	Container 2000-2999	3	22.2	34.5	1,599	8,886	0.18
G08GMBS1_00002	Oakland	55	Option 2: All Vessels	186	2014-2016	Container 4000-4999	17	6.57	17	1,232	6,844	0.18
					2017-2019	Container 4000-4999	17	8.76	17	1,232	6,844	0.18
					2020 and beyond	Container 4000-4999	17	9.85	17	1,232	6,844	0.18
G08GMBS1_00003	Oakland	35	Option 2: All Vessels	136	2014-2016	Container 5000-5999	19	4.3	17	1,499	8,330	0.18
					2017-2019	Container 5000-5999	19	5.73	17	1,499	8,330	0.18
					2020 and beyond	Container 5000-5999	19	6.45	17	1,499	8,330	0.18
G08GMBS1_00004	Oakland	30	Option 2: All Vessels	140	2014-2016	Container 5000-5999	19	4.43	17	1,455	8,085	0.18
					2017-2019	Container 5000-5999	19	5.9	17	1,455	8,085	0.18
					2020 and beyond	Container 5000-5999	19	6.64	17	1,455	8,085	0.18
G08GMBS1_00010	Oakland	24	Option 2: All Vessels	130	2014-2016	Container 4000-4999	5	15.6	17	1,500	8,184	0.18
					2017-2019	Container 4000-4999	5	20.8	17	1,500	8,184	0.18
					2020 and beyond	Container 4000-4999	5	23.4	17	1,500	8,184	0.18
G08GMBS1_00005	Oakland	59	Option 2: All Vessels	138	2014-2016	Container 4000-4999	38	2.18	17	1,302	7,235	0.18
					2017-2019	Container 4000-4999	38	2.91	17	1,302	7,235	0.18
					2020 and beyond	Container 4000-4999	38	3.27	17	1,302	7,235	0.18
G08GMBS1_00006	Oakland	32	Option 2: All Vessels	61	2014-2016	Container 3000-3999	11	3.33	17	1,415	7,859	0.18
					2017-2019	Container 3000-3999	11	4.44	17	1,415	7,859	0.18
					2020 and beyond	Container 3000-3999	11	5	17	1,415	7,859	0.18
G08GMBS1_00007	Oakland	37	Option 2: All Vessels	46	2014-2016	Container 4000-4999	8	3.45	17	1,285	7,139	0.18
					2017-2019	Container 4000-4999	8	4.6	17	1,285	7,139	0.18
					2020 and beyond	Container 4000-4999	8	5.18	17	1,285	7,139	0.18