

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
<b>Agricultural Pumps</b>					
99-1	Somerston Vineyards	Replace agricultural pump SN 670000C4	\$1,156	12.5	\$13,500
99-3	Somerston Vineyards	Replace agricultural pump SN 8463DD	\$1,269	11.0	\$13,500
99-2	Somerston Vineyards	Replace agricultural pump SN 607488CZ	\$1,461	10.4	\$13,500
<b>Locomotives</b>					
105-1	Richmond Pacific Railroad	Retrofit switcher locomotive engine SN 4473-4	\$5,344	30.5	\$162,545
<b>Marine</b>					
8-1	Westar Marine Services	Retrofit main port engine on M/V Orion	\$334	220.3	\$112,500
8-2	Westar Marine Services	Retrofit main starboard engine on M/V Orion	\$334	220.3	\$112,500
20-1	The Dutra Group	Repower main port engine on M/V Trojan	\$632	45.0	\$38,636
20-2	The Dutra Group	Repower main starboard engine on M/V Trojan	\$632	45.0	\$38,636
112-1	Riverview Equipment Company	Repower main port engine on M/V Bernice Lind	\$690	113.6	\$106,223
112-2	Riverview Equipment Company	Repower main starboard engine on M/V Bernice Lind	\$690	113.6	\$106,223
7-1	Westar Marine Services	Repower auxiliary port engine on M/V Apollo	\$714	29.5	\$19,500
7-2	Westar Marine Services	Repower auxiliary starboard engine on M/V Apollo	\$714	29.5	\$19,500
179-1	City of Alameda	Repower main port engine M/V Peralta	\$744	285.9	\$239,305
179-2	City of Alameda	Repower main starboard engine on M/V Peralta	\$744	285.9	\$239,305
178-1	Golden Gate Bridge, Highway & Transportation District	Repower main engine #1 on M/V Mendocino	\$762	357.7	\$306,513
178-2	Golden Gate Bridge, Highway & Transportation District	Repower main engine #2 on M/V Mendocino	\$762	357.7	\$306,513
178-3	Golden Gate Bridge, Highway & Transportation District	Repower main engine #3 on M/V Mendocino	\$762	357.7	\$306,513

Shaded projects meet AB1390 requirements.

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Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
178-4	Golden Gate Bridge, Highway & Transportation District	Repower main engine #4 on M/V Mendocino	\$762	357.7	\$306,513
6-1	Westar Marine Services	Repower auxiliary port engine on M/V Orion	\$840	34.0	\$23,500
6-2	Westar Marine Services	Repower auxiliary starboard engine on M/V Orion	\$840	34.0	\$23,500
172-1	The Dutra Group	Repower hydraulic power unit on M/V Jeannette C	\$1,024	8.4	\$12,500
4-1	The Dutra Group	Repower main port engine on M/V Patty D	\$1,054	29.9	\$41,436
4-2	The Dutra Group	Repower main starboard engine on M/V Patty D	\$1,054	29.9	\$41,436
177-1	Brusco Tug & Barge	Repower auxiliary port engine on M/V Woodrow Brusco	\$1,110	16.2	\$20,000
177-2	Brusco Tug & Barge	Repower auxiliary starboard engine on M/V Woodrow Brusco	\$1,110	16.2	\$20,000
136-1	The Dutra Group	Repower hydraulic power unit on M/V Trojan	\$1,167	11.4	\$18,300
175-1	Brusco Tug & Barge	Repower auxiliary port engine on M/V Terri L. Brusco	\$1,274	14.0	\$20,000
175-2	Brusco Tug & Barge	Repower auxiliary starboard engine on M/V Terri L. Brusco	\$1,274	14.0	\$20,000
134-1	The Dutra Group	Repower main port engine on M/V Jeannette C	\$1,295	57.8	\$101,064
134-2	The Dutra Group	Repower main starboard engine on M/V Jeannette C	\$1,295	57.8	\$101,064
100-1	Hog Heaven Sport Fishing	Repower main port engine on M/V Hog Heaven	\$1,385	8.4	\$14,616
100-2	Hog Heaven Sport Fishing	Repower main starboard engine on M/V Hog Heaven	\$1,385	8.4	\$14,616
176-1	Brusco Tug & Barge	Repower main port engine on M/V Terri L. Brusco	\$1,426	259.1	\$408,582
176-2	Brusco Tug & Barge	Repower main starboard engine on M/V Terri L. Brusco	\$1,426	259.1	\$408,582
160-1	Sachiko Fish-Steve Masuda	Repower main engine M/V Sachiko	\$1,446	33.3	\$60,000
133-1	AMNAV Maritime Services	Repower auxiliary port engine on M/V Enterprise	\$1,475	20.8	\$32,500

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Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
133-2	AMNAV Maritime Services	Repower auxiliary starboard engine on M/V Enterprise	\$1,475	20.8	\$32,500
173-1	The Dutra Group	Repower auxiliary port engine on M/V Sarah Reed	\$1,544	14.4	\$25,657
173-2	The Dutra Group	Repower auxiliary starboard engine on M/V Sarah Reed	\$1,544	14.4	\$25,657
98-1	West Bay Builders, Inc.	Repower main port engine on M/V Westbay Builder 1	\$1,629	45.5	\$82,573
98-2	West Bay Builders, Inc.	Repower main starboard engine on M/V Westbay Builder 1	\$1,629	45.5	\$82,573
162-1	Seaworthy Projects LLC	Repower main port engine on M/V Hero	\$2,125	31.0	\$99,046
162-2	Seaworthy Projects LLC	Repower main starboard engine on M/V Hero	\$2,125	31.0	\$99,046
174-1	Brusco Tug & Barge	Repower auxiliary port engine on M/V Amy Brusco	\$2,273	8.0	\$20,000
103-1	Codzilla Sports Fishing	Repower main engine on M/V Codzilla	\$2,521	15.5	\$41,775
209-1	Golden Gate Bridge, Highway & Transportation District	Repower auxiliary port engine on M/V San Francisco	\$2,657	14.9	\$48,450
209-2	Golden Gate Bridge, Highway & Transportation District	Repower auxiliary starboard engine on M/V San Francisco	\$2,657	14.9	\$48,450
15-1	San Francisco Bar Pilots	Repower main port engine on M/V Golden Gate	\$2,756	59.1	\$181,621
15-2	San Francisco Bar Pilots	Repower main starboard engine on M/V Golden Gate	\$2,756	59.1	\$181,621
167-1	The Dutra Group	Repower main port engine on M/V Sarah Reed	\$3,274	57.5	\$244,646
167-2	The Dutra Group	Repower main starboard engine on M/V Sarah Reed	\$3,274	57.5	\$244,646
113-1	Trident Management, Inc.	Repower main port engine on M/V Trident 1	\$3,697	9.4	\$53,398
113-2	Trident Management, Inc.	Repower main starboard engine on M/V Trident 1	\$3,697	9.4	\$53,398
207-1	Foss Maritime Company	Repower auxiliary port engine on M/V Defiant	\$3,726	7.1	\$32,485
207-2	Foss Maritime Company	Repower auxiliary starboard engine on M/V	\$3,726	7.1	\$32,485

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Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
		Defiant			
180-1	City of Alameda	Repower auxiliary engine on M/V Encinal	\$3,905	12.8	\$57,307
101-1	Michael Peery	Repower main port engine on M/V Blizzard	\$3,938	11.6	\$44,600
101-2	Michael Peery	Repower main starboard engine on M/V Blizzard	\$3,938	11.6	\$44,600
174-2	Brusco Tug & Barge	Repower auxiliary starboard engine on M/V Amy Brusco	\$4,226	4.0	\$20,000
208-1	Foss Maritime Company	Repower main port engine on M/V Defiant	\$4,397	54.9	\$199,996
208-2	Foss Maritime Company	Repower main starboard engine on M/V Defiant	\$4,397	54.9	\$199,996
163-1	The Dutra Group	Repower auxiliary engine on M/V Trojan	\$4,423	1.3	\$10,409
2-1	China Basin Charter/Ruby Sailing	Repower main engine on M/V Ruby	\$4,735	5.6	\$30,989
98-3	West Bay Builders, Inc.	Repower auxiliary engine on M/V Westbay Builder 1	\$4,834	8.3	\$38,182
117-1	C & W Diving Services, Inc.	Repower main port engine on M/V Wanda S	\$6,061	10.4	\$89,965
117-2	C & W Diving Services, Inc.	Repower main starboard engine on M/V Wanda S	\$6,061	10.4	\$89,965
161-1	Foss Maritime Company	Repower auxiliary engine on M/V Marshall	\$8,961	3.5	\$32,485
116-2	C & W Diving Services, Inc.	Repower main starboard engine on M/V Elliott II	\$9,085	7.5	\$106,193
115-1	C & W Diving Services, Inc.	Repower main port engine on M/V Bethany M	\$10,330	5.5	\$77,647
115-2	C & W Diving Services, Inc.	Repower main starboard engine on M/V Bethany M	\$10,330	5.5	\$77,647
120-1	Port of San Francisco and Princess Cruise Lines	Cruise ship shoreside power installation	\$12,821	182.3	\$1,900,000
<b>Off-Road</b>					
166-1	The Dutra Group	Auxiliary drawworks winch repower with Tier 3 engine Serial #649607	\$28	611.0	\$37,372
14-1	The Dutra Group	Auxiliary winch engine repower with Tier 3 engine Derrick Barge 24 engine Serial # 27176210	\$30	561.3	\$37,372

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**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
14-2	The Dutra Group	Auxiliary winch engine repower with Tier 3 engine Derrick Barge 24 engine Serial # 60514584	\$30	550.7	\$37,372
14-3	The Dutra Group	Auxiliary winch engine repower with Tier 3 engine Derrick Barge 24 engine Serial # 60501113	\$30	550.7	\$37,372
13-1	The Dutra Group	Auxiliary winch engine repower with Tier 3 engine Derrick Barge 24 engine Serial # 514051	\$40	236.0	\$37,372
165-1	The Dutra Group	Auxiliary winch engine repower with Tier 3 engine – Serial # 514051-1	\$72	235.2	\$37,372
165-2	The Dutra Group	Auxiliary winch engine repower with Tier 3 engine Serial # 514051-2	\$72	235.2	\$37,372
158-1	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial # 649607-1	\$297	277.4	\$163,386
158-2	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial # 649607-2	\$297	277.4	\$163,386
158-3	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial # 649607-3	\$297	277.4	\$163,386
158-4	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial # 649607-4	\$297	277.4	\$163,386
158-5	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial # 649607-5	\$297	277.4	\$163,386
158-6	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial # 649607-6	\$297	277.4	\$163,386
158-7	The Dutra Group	Auxiliary drawworks engine repower with Tier 2 engine Serial 3 649607-7	\$297	277.4	\$163,386
9-1	The Dutra Group	Repower one dredge generator – Derrick Barge 24	\$343	48.2	\$36,758
155-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial #7627512	\$901	14.7	\$18,658

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Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
154-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 4 engine Serial #0372014H	\$973	21.1	\$27,990
156-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial #02TO112	\$1,001	13.2	\$18,658
137-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial # 0570009	\$1,192	12.6	\$21,346
138-1	Pacific Coast Drilling Company	Power supply for drilling machine repower with Tier 3 engine Serial #241688UJE530	\$1,207	15.9	\$26,258
152-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial #13H00114	\$1,265	15.1	\$26,258
169-1	North Bay Construction Inc.	Scraper repower with Tier 1 engine Serial # 6AB01228	\$1,398	11.5	\$22,000
170-1	North Bay Construction Inc.	Scraper repower with Tier 1 engine Serial # 6AB01196	\$1,398	11.5	\$22,000
109-1*	Viking Processing Corporation	Electric crane to replace forklifts #1	\$1,843	3.2	\$58,519
10-1	Evans Brothers Inc.	Repower one dozer with Tier 3 engine Serial # 8I217560	\$1,844	26.9	\$68,045
171-1	The Dutra Group	Loader repower with Tier 2 engine Serial #8YG01107	\$2,229	29.5	\$163,386
109-2*	Viking Processing Corporation	Electric crane to replace forklifts #2	\$2,340	10.7	\$58,519
109-3*	Viking Processing Corporation	Electric crane to replace forklifts #3	\$2,340	10.7	\$58,519
109-4*	Viking Processing Corporation	Electric crane to replace forklifts #4	\$2,340	10.7	\$58,519
109-5*	Viking Processing Corporation	Electric crane to replace forklifts #5	\$2,340	10.7	\$58,519

\* Award conditional upon CARB approval.  
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Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
109-6*	Viking Processing Corporation	Electric crane to replace forklifts #6	\$2,340	10.7	\$58,519
151-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial #7DK03093	\$2,471	6.1	\$25,330
153-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial #1013389	\$2,491	6.5	\$22,874
17-1	Evans Brothers Inc.	Crane repower with Tier 3 engine Serial # 50601248	\$2,760	10.4	\$38,756
11-1	Evans Brothers Inc.	Repower one crawler crane with Tier 3 engine Serial # 6VA117925	\$3,637	7.8	\$39,790
150-1	Pacific Coast Drilling Company	Drilling machine repower with Tier 3 engine Serial # 1002545	\$3,639	4.7	\$23,865
23-1	Evans Brothers Inc.	Excavator repower with Tier 2 engine Model Year 1993	\$3,668	10.3	\$83,955
22-1	Evans Brothers Inc.	Excavator repower with Tier 2 engine Model Year 1989	\$4,636	8.1	\$43,855
18-1	Evans Brothers Inc.	Wheel loader repower with Tier 2 engine Serial # 4RN00594	\$4,950	5.6	\$32,355
21-1	Evans Brothers Inc.	Dozer repower with Tier 2 engine Serial # 11N13765	\$7,612	14.2	\$150,345
141-1	Fremont Paving Company, Inc.	Scraper front engine repower with Tier 1 engine Serial # 15S01322	\$9,609	6.6	86,767
141-2	Fremont Paving Company, Inc.	Scraper rear engine repower with Tier 1 engine Serial #15S01322	\$9,609	6.6	\$86,767
140-1	Fremont Paving Company, Inc.	Scraper front engine repower with Tier 1 engine Serial # 15S01639	\$10,104	6.1	\$86,767
140-2	Fremont Paving Company, Inc.	Scraper rear engine repower with Tier 1 engine Serial # 15S01639	\$10,104	6.1	\$86,767
168-1	North Bay Construction Inc.	Compactor repower with Tier 2 engine Serial #86X00926	\$10,608	9.3	\$135,000
118-1	Syar Industries Inc.	Wheel loader repower with Tier 1 engine	\$1,248	51.0	\$89,250

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		Serial # 49Z00607			
111-1	Riverview Equipment Company	Hydraulic crane repower with Tier 3 engine Serial # 50438	\$1,532	5.5	\$14,569
107-1	Riverview Equipment Company	Pressure washer repower with Tier 3 engine Serial # 7626205	\$1,841	4.3	\$13,957
46-1	Independent Construction	Grader repower with Tier 1 engine #30024	\$2,291	11.2	\$35,056
60-1	Independent Construction	Grader repower with Tier 1 engine #30018	\$2,418	10.3	\$35,056
119-1	Syar Industries Inc.	Wheel loader repower with Tier 2 engine Serial # 8YG00215	\$2,972	22.1	\$90,200
58-1	Independent Construction	Grader repower with Tier 1 engine #30015	\$3,096	10.3	\$45,056
59-1	Independent Construction	Grader repower with Tier 1 engine #30016	\$3,108	10.3	\$45,056
86-1	Independent Construction	Scraper front engine repower with Tier 2 engine #37013	\$3,685	23.8	\$118,139
90-1	Independent Construction	Scraper front engine repower with Tier 2 engine #37021	\$3,878	21.9	\$118,139
57-1	Independent Construction	Grader repower with Tier 1 engine #30012	\$4,284	7.7	\$45,056
94-1	Top Grade Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit Serial # 1JB00534	\$5,138	21.8	\$155,955
95-1	Top Grade Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit Serial # 1FB00354	\$5,138	21.8	\$155,955
55-1	Independent Construction	Scraper repower with Tier 2 engine #39002	\$5,695	17.5	\$135,755
86-2	Independent Construction	Scraper rear engine repower with Tier 2 engine #37013	\$5,719	13.2	\$103,281
90-2	Independent Construction	Scraper rear engine repower with Tier 2 engine #37021	\$6,013	12.2	\$103,281
56-1	Independent Construction	Scraper repower with Tier 2 engine #39003	\$6,099	16.0	\$135,755
83-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51014	\$6,586	19.1	\$181,903

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Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
94-2	Top Grade Construction	Scraper rear engine repower with Tier 3 engine and Level 3 PM retrofit Serial #1JB00534	\$6,621	12.1	\$113,305
95-2	Top Grade Construction	Scraper rear engine repower with Tier 3 engine and Level 3 PM retrofit Serial # 1FB00354	\$6,621	12.1	\$113,305
93-1	Top Grade Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit Serial # 1FB00368	\$6,979	16.3	\$155,955
47-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #20008	\$7,019	20.8	\$206,852
74-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51010	\$7,118	20.8	\$206,852
76-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51026	\$7,118	20.8	\$206,852
77-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51025	\$7,118	20.8	\$206,852
78-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51023	\$7,118	20.8	\$206,852
81-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51021	\$7,118	20.8	\$206,852
82-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51016	\$7,118	20.8	\$206,852
84-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51006	\$7,118	20.8	\$206,852
27-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57008	\$7,307	20.8	\$212,352
28-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57009	\$7,307	20.8	\$212,352

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30-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57011	\$7,307	20.8	\$212,352
40-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57012	\$7,307	20.8	\$212,352
41-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57031	\$7,307	20.8	\$212,352
53-1	Independent Construction	Compactor repower with Tier 2 engine #44038	\$7,461	13.2	\$137,023
54-1	Independent Construction	Compactor repower with Tier 2 engine #44039	\$7,461	13.2	\$137,023
63-1	Independent Construction	Compactor repower with Tier 2 engine #24002	\$7,461	13.2	\$137,023
64-1	Independent Construction	Compactor repower with Tier 2 engine #44026	\$7,461	13.2	\$137,023
65-1	Independent Construction	Compactor repower with Tier 2 engine #44027	\$7,461	13.2	\$137,023
72-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51012	\$7,490	19.1	\$206,852
73-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #51011	\$7,490	19.1	\$206,852
203-1	Potrero Hills Landfill	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit Serial #41Z14190	\$7,561	19.5	\$177,524
29-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57010	\$7,689	19.1	\$212,352
31-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57002	\$7,689	19.1	\$212,352
32-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57003	\$7,689	19.1	\$212,352
42-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57004	\$7,689	19.1	\$212,352

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43-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57005	\$7,689	19.1	\$212,352
44-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57006	\$7,689	19.1	\$212,352
45-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57007	\$7,689	19.1	\$212,352
48-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #20007	\$7,689	19.1	\$212,352
49-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #57001	\$7,689	19.1	\$212,352
203-2	Potrero Hills Landfill	Scraper rear engine repower with Tier 3 engine and Level 3 PM retrofit Serial #6NC14095	\$8,158	13.8	\$135,625
75-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31019	\$8,920	17.0	\$212,095
67-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31024	\$8,920	17.0	\$212,095
68-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31023	\$8,920	17.0	\$212,095
69-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31022	\$8,920	17.0	\$212,095
70-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31021	\$8,920	17.0	\$212,095
71-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31020	\$8,920	17.0	\$212,095
79-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31026	\$8,920	17.0	\$212,095
80-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31028	\$8,920	17.0	\$212,095
91-1	Independent Construction	Scraper repower with Tier 3 engine and Level 3 PM retrofit #31027	\$8,920	17.0	\$212,095
93-2	Top Grade Construction	Scraper rear engine repower with Tier 3 engine and Level 3 PM retrofit Serial # 1FB00368	\$9,126	9.1	\$113,305

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85-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #37023	\$9,421	15.6	\$212,095
87-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #37022	\$9,421	15.6	\$212,095
88-1	Independent Construction	Scraper front engine repower with Tier 3 engine and Level 3 PM retrofit #37019	\$9,421	15.6	\$212,095
<b>On-Road</b>					
186-1	Mid Coast Transportation	Retrofit diesel truck with Level 3 PM DECS: LIC#6G03035	\$1,859	0.3	\$10,500
181-3	A.G. Schwartz Trucking Company Inc.	Retrofit diesel truck with Level 3 PM DECS: LIC#3R66712	\$2,024	0.2	\$8,000
181-5	A.G. Schwartz Trucking Company Inc.	Retrofit diesel truck with Level 3 PM DECS: LIC#5K11760	\$2,194	0.2	\$8,000
206-1	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 154	\$3,912	2.3	\$19,356
206-2	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 155	\$3,912	2.3	\$19,356
206-3	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 156	\$3,912	2.3	\$19,356
206-4	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 157	\$3,912	2.3	\$19,356
206-5	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 158	\$3,912	2.3	\$19,356
206-6	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 159	\$3,912	2.3	\$19,356
206-7	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 160	\$3,912	2.3	\$19,356
206-8	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 161	\$3,912	2.3	\$19,356
206-9	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 162	\$3,912	2.3	\$19,356
206-10	Bode Concrete, LLC	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 163	\$3,912	2.3	\$19,356
188-1	Jose R Topete/Cross County Transport	Retrofit diesel truck with Level 3 PM DECS: LIC#9D06731	\$4,479	0.1	\$10,500
145-1	Sugar City Building Materials	Repower diesel truck: Unit 25	\$4,851	5.0	\$47,097

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
	Company				
146-1	Sugar City Building Materials Company	Repower diesel truck: Unit 26	\$4,851	5.0	\$47,097
147-1	Sugar City Building Materials Company	Repower diesel truck: Unit 27	\$4,851	5.0	\$47,097
148-1	Sugar City Building Materials Company	Repower diesel truck: Unit 28	\$4,851	5.0	\$47,097
149-1	Sugar City Building Materials Company	Repower diesel truck: Unit 29	\$4,851	5.0	\$47,097
181-4	A.G. Schwartz Trucking Company Inc.	Retrofit diesel truck with Level 3 PM DECS: LIC#5U86174	\$4,875	0.1	\$8,000
130-1	Timothy Oehninger/Oehninger Trucking	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#7E08557	\$4,888	4.7	\$56,500
125-1	Kevin McCord/Kevin McCord Trucking	Retrofit diesel truck with Level 3 PM DECS: LIC#5L37021	\$4,977	0.1	\$10,500
127-1	Jaskaran Singh/Karan Trucking	Retrofit diesel truck with Level 3 PM DECS: LIC#7K20320	\$4,977	0.1	\$10,500
132-1	Tommie Carter/TCB Transportation	Retrofit diesel truck with Level 3 PM DECS: LIC#9B80842	\$4,977	0.1	\$10,500
187-1	Mid Coast Transportation	Retrofit diesel truck with Level 3 PM/NOx DECS: LIC#6G03035	\$5,038	3.7	\$56,825
184-1	Mid Coast Transportation	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#9A46932	\$5,516	1.6	\$43,806
121-1	Timothy Ore/T.R. Transfer	Repower and retrofit diesel truck with Level 3 PM DECS: LIC# 6A74375	\$5,879	1.3	\$43,806
182-13	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 11	\$5,955	7.1	\$52,099
124-1	Karanjit Sekhon	Retrofit diesel truck with Level 3 PM DECS: LIC#6T71697	\$6,246	0.1	\$10,500
193-1	Jagdeep Singh/JJ Trucking	Retrofit diesel truck with Level 3 PM DECS: LIC#9D78024	\$6,246	0.1	\$10,500

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
126-1	Frank Ekler/Frank E Trucking	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#9C15699	\$6,255	1.2	\$43,806
191-1	Harminder K Kahlon/Kahlon Trucking	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#9A94982	\$6,255	1.2	\$43,806
201-1	Rudy Castro/RTC Trucking	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#9B43666	\$6,752	1.2	\$43,806
181-2	A.G. Schwartz Trucking Company Inc.	Retrofit diesel truck with Level 3 PM DECS: LIC#9B63316	\$6,799	0.1	\$8,000
182-11	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 16	\$6,888	1.3	\$52,099
182-16	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 7	\$6,888	1.3	\$52,099
182-17	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 49	\$6,888	1.3	\$52,099
182-19	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 42	\$6,888	1.3	\$52,099
182-24	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 24	\$6,888	1.3	\$52,099
182-25	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 23	\$6,888	1.3	\$52,099
139-1	HG Trucking, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#3Z38412	\$6,888	1.3	\$52,102
142-1	HG Trucking, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#7M49823	\$6,924	1.3	\$52,372
123-1	Jaskaran Singh/Karan Trucking	Retrofit diesel truck with Level 3 PM DECS: LIC#5G66689	\$6,940	0.1	\$10,500
196-1	Mark Kammermann/M.K. Transfer	Retrofit diesel truck with Level 3 PM/NOx DECS: LIC#6F11723	\$7,083	1.4	\$61,500

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
192-1	Harminder K Kahlon/Kahlon Trucking	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#9A94982	\$7,087	2.6	\$59,286
198-1	Louis Ekler/Ekler Transport	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#9A79023	\$7,087	2.6	\$59,286
199-1	Martha Saunders/Martha J Saunders Trucking	Repower and retrofit diesel truck with Level 3 PM DECS: LIC#9B60288	\$7,292	1.2	\$43,400
182-1	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 54	\$7,294	1.4	\$52,099
182-3	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 45	\$7,294	1.4	\$52,099
182-4	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 44	\$7,294	1.4	\$52,099
182-5	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 43	\$7,294	1.4	\$52,099
182-6	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 40	\$7,294	1.4	\$52,099
182-7	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 30	\$7,294	1.4	\$52,099
182-8	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 25	\$7,294	1.4	\$52,099
182-9	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 18	\$7,294	1.4	\$52,099
182-10	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 17	\$7,294	1.4	\$52,099
182-12	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 15	\$7,294	1.4	\$52,099

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
182-14	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 9	\$7,294	1.4	\$52,099
182-15	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 8	\$7,294	1.4	\$52,099
182-20	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 35	\$7,294	1.4	\$52,099
182-21	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 37	\$7,294	1.4	\$52,099
182-22	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 34	\$7,294	1.4	\$52,099
182-23	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 28	\$7,294	1.4	\$52,099
182-28	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 19	\$7,294	1.4	\$52,099
182-29	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 10	\$7,294	1.4	\$52,099
183-1	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 50	\$7,294	1.4	\$52,099
183-2	George Maciel, Inc. Sub. of Alviso Rock, Inc.	Repower and retrofit diesel truck with Level 3 PM DECS: Unit 51	\$7,294	1.4	\$52,099
181-1	A.G. Schwartz Trucking Company Inc.	Retrofit diesel truck with Level 3 PM DECS: LIC#5K61210	\$7,466	0.1	\$8,000
202-1	Rudy Castro/RTC Trucking	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#9B43666	\$7,552	2.6	\$59,286
200-1	Martha Saunders/Martha J Saunders Trucking	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#9B60288	\$7,916	2.5	\$56,825
128-1	Harjinder Singh/Harry Trucking	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#6U47375	\$8,259	2.5	\$59,286

Shaded projects meet AB1390 requirements.



**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
129-1	Kamaljit Singh/Kam Trucking	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#8A12419	\$8,259	2.5	\$59,286
16-1	Padilla & Sons Trucking	Repower and retrofit diesel truck with Level 3 PM DECS: LIC# 9A29551	\$8,268	2.9	\$107,615
185-1	Mid Coast Transportation	Repower and retrofit diesel truck with Level 3 PM/NOx DECS: LIC#9A46932	\$8,275	2.4	\$59,286
12-6	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 23234	\$10,543	0.2	\$2,136
143-1	Sugar City Building Materials Company	Repower diesel truck: Unit 12	\$12,930	3.6	\$47,097
144-1	Sugar City Building Materials Company	Repower diesel truck: Unit 14	\$12,930	3.6	\$47,097
12-13	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 97903	\$13,222	0.1	\$1,200
122-3	County of Contra Costa	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 6610	\$13,319	0.6	\$17,000
12-17	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 01907	\$13,592	0.1	\$1,300
12-11	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 22614	\$13,793	0.2	\$2,600
12-5	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 23233	\$13,813	0.2	\$2,400
12-24	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 01905	\$13,880	0.2	\$2,400
12-18	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 01908	\$13,992	0.1	\$1,100
12-4	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 23232	\$14,006	0.2	\$2,600

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
12-2	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 23231	\$14,016	0.2	\$2,000
12-19	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 02801	\$14,146	0.3	\$3,820
12-23	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 23235	\$14,279	0.3	\$3,700
122-1	County of Contra Costa	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 6608	\$14,280	0.6	\$17,000
12-3	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 29403	\$14,296	0.1	\$1,763
12-26	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 02901	\$14,297	0.1	\$1,083
12-15	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 99903	\$14,298	0.1	\$1,591
12-7	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 95901	\$14,298	0.2	\$2,136
12-22	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 22623	\$14,298	0.2	\$2,837
12-20	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 22620	\$14,298	0.2	\$1,989
12-16	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 00901	\$14,298	0.1	\$1,413
12-12	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 22608	\$14,299	0.3	\$3,962
12-8	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 53227	\$14,299	0.2	\$2,456

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
12-10	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 22285	\$14,299	0.2	\$2,582
12-1	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 23230	\$14,299	0.3	\$3,936
12-25	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 04801	\$14,299	0.4	\$4,708
12-21	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 22621	\$14,300	0.2	\$2,128
12-9	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 53228	\$14,300	0.1	\$1,669
12-14	Santa Clara County	Retrofit diesel truck with Level 3 PM/NOx DECS: Unit 98901	\$14,300	0.1	\$1,198
24-12	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3308	\$3,345	3.0	\$21,396
24-13	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3309	\$4,093	2.5	\$21,396
24-9	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3139	\$4,315	2.3	\$21,396
24-3	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3002	\$5,252	1.7	\$19,221
24-15	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3311	\$5,597	1.8	\$21,396
24-11	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3307	\$5,750	1.8	\$21,396
108-1	Bay Leasing Co./Solano Garbage Company	Purchase one liquified natural gas refuse collection truck	\$5,875	3.3	\$15,600
24-17	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3313	\$5,888	1.7	\$21,396
24-8	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3138	\$6,080	1.7	\$21,396
24-1	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3000	\$6,376	1.4	\$19,221

Shaded projects meet AB1390 requirements.

**Projects Recommended for Funding**

Project #	Project Sponsor Name	Project Description	Weighted Cost Effectiveness	Lifetime NOx, ROG & PM Emissions Reduction	Proposed Grant Award
24-2	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3001	\$6,497	1.4	\$19,221
24-18	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3314	\$7,076	1.4	\$21,396
24-16	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3312	\$7,164	1.4	\$21,396
24-10	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3306	\$7,303	1.4	\$21,396
24-14	Berkeley Farms	Retrofit diesel truck with Level 3 PM DECS: Unit 3310	\$8,146	1.2	\$21,396

Shaded projects meet AB1390 requirements.