

# South Coast Air Quality Management District

## Annual Publication of Emission Reduction Credit Transactions For Calendar Year 2008

(California Health and Safety Code Section 40709.5)

Effective January 1, 1993, Assembly Bill 3785 (AB 3785) amended Health and Safety Code (HSC) Section 40709.5 to require each air pollution control district to publish a report summarizing Emission Reduction Credit (ERC) transactions<sup>1</sup>, and the transaction costs. The South Coast AQMD also presents this information to the California Air Resources Board (CARB), which prepares an annual publication for statewide distribution.

Table 1 is a summary of ERC transactions for Calendar Year 2008. Table 1 totals, by pollutant, the number of ERC transactions, the quantity of ERCs transferred in units of pounds per day and tons per year, and the average price paid for each ERC.

**Table 1. ERC Transactions – Calendar Year 2008**

<b>Criteria Pollutant</b>	<b>No. of ERC Transfer Transactions<sup>2</sup></b>	<b>Quantity of ERCs Transferred<sup>3</sup> (lb/day)</b>	<b>Annualized Quantity of ERCs Transferred (ton/year)</b>	<b>Average Transaction Cost<sup>4</sup> (\$/ton/year)</b>
<b>ROG</b>	101	2,511	458	\$76,228
<b>NOx</b>	2	8	1	\$216,216
<b>SOx</b>	14	154	28	\$263,750
<b>CO</b>	1	10	2	N/A
<b>PM10</b>	52	286	52	\$661,715

Table 2 provides details on the amount and cost of each offset transaction. The Average Transaction Cost (\$/ton/year) does not include barter or subsidiary transactions. This information shall remain on file at AQMD for public review and distribution. As specified in HSC Section 40709.5(e), the reported information does not disclose the identity of the transacting parties.

<sup>1</sup> This report does not include RECLAIM Trading Credit (RTC) transactions.

<sup>2</sup> Includes all privately held ERC certificates which transferred ownership regardless of cost (see Table 2). Short Term Emission Reduction Credit (STERC) transactions are counted as a single transaction, which includes the yearly increments and the permanent credit.

<sup>3</sup> Includes the total amount (pounds per day) of ERCs transferred regardless of cost.

<sup>4</sup> Based only on those ERCs transactions that include sales cost (see Table 2).

**Table 2 Criteria Pollutant Transaction Purchase Summary - Calendar Year 2008  
Sorted by Pollutant and Amount**

SCAQMD NO.	POLLUTANT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC08-127	ROG	1	\$11,500	\$11,500	0.18	\$63,014
SC08-128	ROG	1	\$11,500	\$11,500	0.18	\$63,014
SC08-129	ROG	1	\$11,500	\$11,500	0.18	\$63,014
SC08-165	ROG	1	\$18,000	\$18,000	0.18	\$98,630
SC08-213	ROG	1	\$0	\$0	0.18	\$0 <sup>5</sup>
SC08-247	ROG	1	\$16,000	\$16,000	0.18	\$87,671
SC08-307	ROG	1	\$0	\$0	0.18	\$0 <sup>5</sup>
SC08-040	ROG	2	\$20,000	\$40,000	0.37	\$109,589
SC08-169	ROG	2	\$3,750	\$7,500	0.37	\$20,548
SC08-186	ROG	2	\$17,500	\$35,000	0.37	\$95,890
SC08-188	ROG	2	\$17,500	\$35,000	0.37	\$95,890
SC08-207	ROG	2	\$0	\$0	0.37	\$0 <sup>5</sup>
SC08-210	ROG	2	\$0	\$0	0.37	\$0 <sup>5</sup>
SC08-217	ROG	2	\$15,500	\$31,000	0.37	\$84,932
SC08-364	ROG	2	\$15,000	\$30,000	0.37	\$82,192
SC08-099	ROG	3	\$15,000	\$45,000	0.55	\$82,192
SC08-113	ROG	3	\$15,000	\$45,000	0.55	\$82,192
SC08-125	ROG	3	\$11,500	\$34,500	0.55	\$63,014
SC08-145	ROG	3	\$0	\$0	0.55	\$0 <sup>5</sup>
SC08-187	ROG	3	\$17,500	\$52,500	0.55	\$95,890
SC08-218	ROG	3	\$15,500	\$46,500	0.55	\$84,932
SC08-305	ROG	4	\$0	\$0	0.73	\$0 <sup>5</sup>
SC08-349	ROG	4	\$0	\$0	0.73	\$0 <sup>5</sup>
SC08-366	ROG	4	\$0	\$0	0.73	\$0 <sup>5</sup>
SC08-074	ROG	5	\$750	\$3,750	0.91	\$4,110
SC08-098	ROG	5	\$1,500	\$7,500	0.91	\$8,219
SC08-103	ROG	5	\$3,750	\$18,750	0.91	\$20,548
SC08-112	ROG	5	\$11,000	\$55,000	0.91	\$60,274
SC08-116	ROG	5	\$18,000	\$90,000	0.91	\$98,630
SC08-117	ROG	5	\$18,000	\$90,000	0.91	\$98,630
SC08-164	ROG	5	\$18,000	\$90,000	0.91	\$98,630
SC08-166	ROG	5	\$18,000	\$90,000	0.91	\$98,630
SC08-219	ROG	5	\$15,000	\$75,000	0.91	\$82,192
SC08-348	ROG	6	\$14,750	\$88,500	1.10	\$80,822
SC08-016	ROG	7	\$19,250	\$134,750	1.28	\$105,479
SC08-115	ROG	8	\$15,850	\$126,800	1.46	\$86,849
SC08-206	ROG	9	\$17,500	\$157,500	1.64	\$95,890
SC08-245	ROG	9	\$16,750	\$150,750	1.64	\$91,781
SC08-246	ROG	9	\$16,000	\$144,000	1.64	\$87,671

**Annual Publication of Emission Reduction Credit (ERC) Transactions  
for Calendar Year 2008**

<b>SCAQMD NO.</b>	<b>POLLUTANT</b>	<b>AMOUNT (LBS/DAY)</b>	<b>COST (\$/LB/DAY)</b>	<b>TOTAL COST</b>	<b>TON/YR</b>	<b>COST (\$/TON/YR)</b>
SC08-001	ROG	10	\$0	\$0	1.83	\$0 <sup>5</sup>
SC08-004	ROG	10	\$0	\$0	1.83	\$0 <sup>5</sup>
SC08-005	ROG	10	\$0	\$0	1.83	\$0 <sup>5</sup>
SC08-008	ROG	10	\$0	\$0	1.83	\$0 <sup>5</sup>
SC08-025	ROG	10	\$0	\$0	1.83	\$0 <sup>5</sup>
SC08-045	ROG	10	\$18,000	\$180,000	1.83	\$98,630
SC08-118	ROG	11	\$17,000	\$187,000	2.01	\$93,151
SC08-310	ROG	11	\$14,750	\$162,250	2.01	\$80,822
SC08-017	ROG	12	\$18,750	\$225,000	2.19	\$102,740
SC08-047	ROG	12	\$17,500	\$210,000	2.19	\$95,890
SC08-048	ROG	12	\$16,000	\$192,000	2.19	\$87,671
SC08-167	ROG	12	\$4,015	\$48,180	2.19	\$22,000
SC08-189	ROG	12	\$17,500	\$210,000	2.19	\$95,890
SC08-191	ROG	13	\$14,750	\$191,750	2.37	\$80,822
SC08-002	ROG	14	\$0	\$0	2.56	\$0 <sup>5</sup>
SC08-006	ROG	14	\$0	\$0	2.56	\$0 <sup>5</sup>
SC08-214	ROG	16	\$0	\$0	2.92	\$0 <sup>5</sup>
SC08-215	ROG	16	\$16,000	\$256,000	2.92	\$87,671
SC08-194	ROG	17	\$15,000	\$255,000	3.10	\$82,192
SC08-050	ROG	20	\$13,750	\$275,000	3.65	\$75,342
SC08-049	ROG	21	\$18,000	\$378,000	3.83	\$98,630
SC08-208	ROG	22	\$0	\$0	4.02	\$0 <sup>5</sup>
SC08-338	ROG	22	\$0	\$0	4.02	\$0 <sup>5</sup>
SC08-044	ROG	25	\$18,000	\$450,000	4.56	\$98,630
SC08-197	ROG	25	\$2,840	\$71,000	4.56	\$15,562
SC08-337	ROG	25	\$0	\$0	4.56	\$0 <sup>5</sup>
SC08-340	ROG	25	\$14,750	\$368,750	4.56	\$80,822
SC08-003	ROG	26	\$0	\$0	4.75	\$0 <sup>5</sup>
SC08-007	ROG	26	\$0	\$0	4.75	\$0 <sup>5</sup>
SC08-121	ROG	26	\$17,000	\$442,000	4.75	\$93,151
SC08-195	ROG	26	\$14,250	\$370,500	4.75	\$78,082
SC08-058	ROG	27	\$750	\$20,250	4.93	\$4,110
SC08-082	ROG	27	\$1,500	\$40,500	4.93	\$8,219
SC08-107	ROG	27	\$3,750	\$101,250	4.93	\$20,548
SC08-308	ROG	30	\$13,000	\$390,000	5.48	\$71,233
SC08-311	ROG	30	\$15,000	\$450,000	5.48	\$82,192
SC08-066	ROG	31	\$750	\$23,250	5.66	\$4,110
SC08-090	ROG	31	\$1,500	\$46,500	5.66	\$8,219
SC08-110	ROG	31	\$3,750	\$116,250	5.66	\$20,548
SC08-122	ROG	35	\$18,250	\$638,750	6.39	\$100,000
SC08-212	ROG	36	\$16,400	\$590,400	6.57	\$89,863
SC08-211	ROG	37	\$16,400	\$606,800	6.75	\$89,863
SC08-042	ROG	38	\$0	\$0	6.94	\$0 <sup>5</sup>
SC08-248	ROG	40	\$16,000	\$640,000	7.30	\$87,671

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<b>SCAQMD NO.</b>	<b>POLLUTANT</b>	<b>AMOUNT (LBS/DAY)</b>	<b>COST (\$/LB/DAY)</b>	<b>TOTAL COST</b>	<b>TON/YR</b>	<b>COST (\$/TON/YR)</b>
SC08-123	ROG	42	\$15,850	\$665,700	7.67	\$86,849
SC08-168	ROG	46	\$17,750	\$816,500	8.40	\$97,260
SC08-221	ROG	48	\$0	\$0	8.76	\$0 <sup>5</sup>
SC08-368	ROG	48	\$2,750	\$132,000	8.76	\$15,068
SC08-369	ROG	48	\$3,800	\$182,400	8.76	\$20,822
SC08-177	ROG	49	\$0	\$0	8.94	\$0 <sup>5</sup>
SC08-124	ROG	50	\$15,850	\$792,500	9.13	\$86,849
SC08-126	ROG	59	\$11,500	\$678,500	10.77	\$63,014
SC08-139	ROG	60	\$15,000	\$900,000	10.95	\$82,192
SC08-180	ROG	64	\$17,250	\$1,104,000	11.68	\$94,521
SC08-209	ROG	64	\$0	\$0	11.68	\$0 <sup>5</sup>
SC08-142	ROG	70	\$18,250	\$1,277,500	12.78	\$100,000
SC08-196	ROG	70	\$19,750	\$1,382,500	12.78	\$108,219
SC08-370	ROG	70	\$0	\$0	12.78	\$0 <sup>5</sup>
SC08-336	ROG	78	\$0	\$0	14.24	\$0 <sup>5</sup>
SC08-346	ROG	83	\$14,750	\$1,224,250	15.15	\$80,822
SC08-306	ROG	127	\$13,650	\$1,733,550	23.18	\$74,795
SC08-179	ROG	348	\$17,250	\$6,003,000	63.51	\$94,521
	<b>TOTAL</b>	<b>2,511</b>			<b>458.26</b>	
<b>TOTAL W/ \$ AMNT</b>		<b>1,928</b>		<b>\$26,821,580</b>	<b>351.86</b>	
	<b>AVG. COST</b>		<b>\$13,912</b>			<b>\$76,228</b>
SC08-367	NOX	2	\$40,000	\$80,000	0.37	\$216,216
SC08-043	NOX	6	\$0	\$0	1.10	\$0 <sup>5</sup>
	<b>TOTAL</b>	<b>8</b>			<b>1.47</b>	
<b>TOTAL W/ \$ AMNT</b>		<b>2</b>		<b>\$80,000</b>	<b>0.37</b>	
	<b>AVG. COST</b>		<b>\$40,000</b>			<b>\$216,216</b>
SC08-039	SOX	1	\$77,000	\$77,000	0.18	\$421,918
SC08-130	SOX	1	\$48,000	\$48,000	0.18	\$263,014
SC08-131	SOX	2	\$48,000	\$96,000	0.37	\$263,014
SC08-132	SOX	2	\$48,000	\$96,000	0.37	\$263,014
SC08-134	SOX	2	\$48,000	\$96,000	0.37	\$263,014
SC08-192	SOX	3	\$70,000	\$210,000	0.55	\$383,562
SC08-133	SOX	4	\$48,000	\$192,000	0.73	\$263,014
SC08-146	SOX	5	\$15,000	\$75,000	0.91	\$82,192
SC08-135	SOX	10	\$48,000	\$480,000	1.83	\$263,014
SC08-136	SOX	18	\$48,000	\$864,000	3.29	\$263,014
SC08-137	SOX	20	\$48,000	\$960,000	3.65	\$263,014
SC08-339	SOX	20	\$50,000	\$1,000,000	3.65	\$273,973
SC08-347	SOX	26	\$50,000	\$1,300,000	4.75	\$273,973
SC08-138	SOX	40	\$48,000	\$1,920,000	7.30	\$263,014
	<b>TOTAL</b>	<b>154</b>			<b>28.11</b>	

Annual Publication of Emission Reduction Credit (ERC) Transactions  
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SCAQMD NO.	POLLUTANT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
<b>TOTAL W/ \$ AMNT</b>		<b>154</b>		<b>\$7,414,000</b>	<b>28.11</b>	
	<b>AVG. COST</b>		<b>\$48,143</b>			<b>\$263,750</b>
SC08-041	CO	10	\$0	\$0	1.83	\$0 <sup>b</sup>
	<b>TOTAL</b>	<b>10</b>			<b>1.83</b>	
<b>TOTAL W/ \$ AMNT</b>		<b>0</b>		<b>\$0</b>	<b>0</b>	
	<b>AVG. COST</b>		<b>\$0</b>			<b>\$0</b>
SC08-114	PM10	1	\$236,000	\$236,000	0.18	\$1,293,151
SC08-163	PM10	1	\$230,000	\$230,000	0.18	\$1,260,274
SC08-171	PM10	1	\$92,593	\$92,593	0.18	\$507,357
SC08-178	PM10	1	\$200,000	\$200,000	0.18	\$1,095,890
SC08-181	PM10	1	\$120,000	\$120,000	0.18	\$657,534
SC08-193	PM10	1	\$237,000	\$237,000	0.18	\$1,298,630
SC08-334	PM10	1	\$210,000	\$210,000	0.18	\$1,150,685
SC08-341	PM10	1	\$167,000	\$167,000	0.18	\$915,068
SC08-046	PM10	2	\$200,000	\$400,000	0.37	\$1,095,890
SC08-119	PM10	2	\$247,000	\$494,000	0.37	\$1,353,425
SC08-120	PM10	2	\$247,000	\$494,000	0.37	\$1,353,425
SC08-140	PM10	2	\$96,000	\$192,000	0.37	\$526,027
SC08-170	PM10	2	\$92,593	\$185,185	0.37	\$507,357
SC08-172	PM10	2	\$92,593	\$185,185	0.37	\$507,357
SC08-176	PM10	2	\$92,593	\$185,185	0.37	\$507,357
SC08-182	PM10	2	\$120,000	\$240,000	0.37	\$657,534
SC08-183	PM10	2	\$120,000	\$240,000	0.37	\$657,534
SC08-216	PM10	2	\$95,000	\$190,000	0.37	\$520,548
SC08-326	PM10	2	\$210,000	\$420,000	0.37	\$1,150,685
SC08-342	PM10	2	\$167,000	\$334,000	0.37	\$915,068
SC08-141	PM10	3	\$96,000	\$288,000	0.55	\$526,027
SC08-147	PM10	3	\$0	\$0	0.55	\$0 <sup>b</sup>
SC08-175	PM10	3	\$92,593	\$277,778	0.55	\$507,357
SC08-184	PM10	3	\$120,000	\$360,000	0.55	\$657,534
SC08-343	PM10	3	\$167,000	\$501,000	0.55	\$915,068
SC08-357	PM10	3	\$90,000	\$270,000	0.55	\$493,151
SC08-174	PM10	4	\$92,593	\$370,370	0.73	\$507,357
SC08-185	PM10	4	\$120,000	\$480,000	0.73	\$657,534
SC08-296	PM10	4	\$100,000	\$400,000	0.73	\$547,945
SC08-345	PM10	4	\$167,000	\$668,000	0.73	\$915,068
SC08-190	PM10	5	\$120,000	\$600,000	0.91	\$657,534
SC08-229	PM10	5	\$197,000	\$985,000	0.91	\$1,079,452
SC08-272	PM10	5	\$100,000	\$500,000	0.91	\$547,945
SC08-335	PM10	5	\$102,500	\$512,500	0.91	\$561,644
SC08-205	PM10	6	\$214,083	\$1,284,499	1.10	\$1,173,058
SC08-280	PM10	6	\$100,000	\$600,000	1.10	\$547,945

**Annual Publication of Emission Reduction Credit (ERC) Transactions  
for Calendar Year 2008**

<b>SCAQMD NO.</b>	<b>POLLUTANT</b>	<b>AMOUNT (LBS/DAY)</b>	<b>COST (\$/LB/DAY)</b>	<b>TOTAL COST</b>	<b>TON/YR</b>	<b>COST (\$/TON/YR)</b>
SC08-288	PM10	6	\$100,000	\$600,000	1.10	\$547,945
SC08-143	PM10	7	\$96,000	\$672,000	1.28	\$526,027
SC08-244	PM10	7	\$145,000	\$1,015,000	1.28	\$794,521
SC08-256	PM10	7	\$100,000	\$700,000	1.28	\$547,945
SC08-264	PM10	7	\$145,000	\$1,015,000	1.28	\$794,521
SC08-318	PM10	7	\$210,000	\$1,470,000	1.28	\$1,150,685
SC08-220	PM10	8	\$113,500	\$908,000	1.46	\$621,918
SC08-144	PM10	12	\$96,000	\$1,152,000	2.19	\$526,027
SC08-344	PM10	12	\$167,000	\$2,004,000	2.19	\$915,068
SC08-155	PM10	13	\$96,000	\$1,248,000	2.37	\$526,027
SC08-173	PM10	13	\$92,593	\$1,203,704	2.37	\$507,357
SC08-015	PM10	15	\$50,000	\$750,000	2.74	\$273,973
SC08-024	PM10	15	\$78,500	\$1,177,500	2.74	\$430,137
SC08-031	PM10	15	\$0	\$0	2.74	\$0 <sup>5</sup>
SC08-304	PM10	20	\$145,000	\$2,900,000	3.65	\$794,521
SC08-237	PM10	24	\$100,000	\$2,400,000	4.38	\$547,945
	<b>TOTAL</b>	<b>286</b>			<b>52.20</b>	
	<b>TOTAL W/ \$ AMNT</b>	<b>268</b>		<b>\$32,364,499</b>	<b>48.91</b>	
	<b>AVG. COST</b>		<b>\$120,763</b>			<b>\$661,715</b>

<sup>5</sup> Subsidiary transaction