

South Coast Air Quality Management District

Annual Publication of Emission Reduction Credit Transactions For Calendar Year 2005

(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) transactions¹, 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 2005. 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 2005

Criteria Pollutant	No. of ERC Transfer Transactions²	Quantity of ERCs Transferred³ (lb/day)	Annualized Quantity of ERCs Transferred (ton/year)	Average Transaction Cost⁴ (\$/ton/year)
ROG	105	4410	805	\$7,804
NOx	25	462	84	\$126,486
SOx	13	198	36	\$78,123
CO	15	944	172	\$30,961
PM10	16	66	12	\$268,588

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.

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1. This report does not include RECLAIM Trading Credit (RTC) transactions.
 2. Includes all privately held ERC certificates which transferred ownership regardless of cost (see Table 2).
 3. Includes the total amount (pounds per day) of ERCs transferred regardless of cost.
 4. Based only on those ERCs transactions that include sales cost (see Table 2).

Table 2 Criteria Pollutant Transaction Purchase Summary - Calendar Year 2005
Sorted by Pollutant and Amount

SCAQMD NO.	POLLUTANT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC05-0022	ROG	1	\$1,500	\$1,500	0.18	\$8,219
SC05-0026	ROG	1	\$0	\$0	0.18	\$0 ¹
SC05-0066	ROG	1	\$1,450	\$1,450	0.18	\$7,945
SC05-0139	ROG	1	\$0	\$0	0.18	\$0 ¹
SC05-0154	ROG	1	\$0	\$0	0.18	\$0 ¹
SC05-0038	ROG	2	\$1,250	\$2,500	0.37	\$6,849
SC05-0122	ROG	2	\$1,000	\$2,000	0.37	\$5,479
SC05-0123	ROG	2	\$1,000	\$2,000	0.37	\$5,479
SC05-0129	ROG	2	\$1,745	\$3,490	0.37	\$9,562
SC05-0134	ROG	2	\$2,500	\$5,000	0.37	\$13,699
SC05-0140	ROG	2	\$0	\$0	0.37	\$0 ¹
SC05-0141	ROG	2	\$0	\$0	0.37	\$0 ¹
SC05-0152	ROG	2	\$2,500	\$5,000	0.37	\$13,699
SC05-0059	ROG	3	\$1,125	\$3,375	0.55	\$6,164
SC05-0063	ROG	3	\$1,700	\$5,100	0.55	\$9,315
SC05-0142	ROG	3	\$0	\$0	0.55	\$0 ¹
SC05-0025	ROG	4	\$0	\$0	0.73	\$0 ¹
SC05-0045	ROG	4	\$1,600	\$6,400	0.73	\$8,767
SC05-0003	ROG	5	\$1,175	\$5,875	0.91	\$6,438
SC05-0020	ROG	5	\$0	\$0	0.91	\$0 ¹
SC05-0050	ROG	5	\$0	\$0	0.91	\$0 ¹
SC05-0086	ROG	5	\$1,180	\$5,900	0.91	\$6,466
SC05-0088	ROG	5	\$1,495.80	\$7,479	0.91	\$8,196
SC05-0121	ROG	5	\$1,000	\$5,000	0.91	\$5,479
SC05-0040	ROG	6	\$1,200	\$7,200	1.10	\$6,575
SC05-0042	ROG	6	\$1,500	\$9,000	1.10	\$8,219
SC05-0138	ROG	6	\$0	\$0	1.10	\$0 ¹
SC05-0143	ROG	6	\$0	\$0	1.10	\$0 ¹
SC05-0148	ROG	6	\$0	\$0	1.10	\$0 ¹
SC05-0014	ROG	7	\$1,325	\$9,275	1.28	\$7,260
SC05-0035	ROG	7	\$1,300	\$9,100	1.28	\$7,123
SC05-0092	ROG	7	\$1,575	\$11,025	1.28	\$8,630
SC05-0146	ROG	7	\$0	\$0	1.28	\$0 ¹
SC05-0158	ROG	7	\$1,525	\$10,675	1.28	\$8,356
SC05-0037	ROG	8	\$0	\$0	1.46	\$0 ¹
SC05-0046	ROG	8	\$1,200	\$9,600	1.46	\$6,575

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for Calendar Year 2005**

SCAQMD NO.	POLLUTANT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC05-0047	ROG	8	\$1,500	\$12,000	1.46	\$8,219
SC05-0001	ROG	9	\$1,300	\$11,700	1.64	\$7,123
SC05-0034	ROG	9	\$0	\$0	1.64	\$0 ¹
SC05-0067	ROG	9	\$1,125	\$10,125	1.64	\$6,164
SC05-0093	ROG	9	\$1,575	\$14,175	1.64	\$8,630
SC05-0144	ROG	9	\$0	\$0	1.64	\$0 ¹
SC05-0159	ROG	9	\$950	\$8,550	1.64	\$5,205
SC05-0161	ROG	9	\$1,450	\$13,050	1.64	\$7,945
SC05-0163	ROG	9	\$1,250	\$11,250	1.64	\$6,849
SC05-0013	ROG	10	\$1,175	\$11,750	1.83	\$6,438
SC05-0015	ROG	10	\$1,425	\$14,250	1.83	\$7,808
SC05-0024	ROG	10	\$900	\$9,000	1.83	\$4,932
SC05-0151	ROG	10	\$975	\$9,750	1.83	\$5,342
SC05-0169	ROG	10	\$1,350	\$13,500	1.83	\$7,397
SC05-0145	ROG	11	\$0	\$0	2.01	\$0 ¹
SC05-0162	ROG	11	\$1,450	\$15,950	2.01	\$7,945
SC05-0164	ROG	11	\$1,250	\$13,750	2.01	\$6,849
SC05-0071	ROG	12	\$2,488.50	\$29,862	2.19	\$13,636
SC05-0106	ROG	12	\$1,625	\$19,500	2.19	\$8,904
SC05-0131	ROG	12	\$1,475	\$17,700	2.19	\$8,082
SC05-0017	ROG	14	\$1,175	\$16,450	2.56	\$6,438
SC05-0115	ROG	15	\$1,500	\$22,500	2.74	\$8,219
SC05-0041	ROG	16	\$1,250	\$20,000	2.92	\$6,849
SC05-0048	ROG	16	\$1,475	\$23,600	2.92	\$8,082
SC05-0044	ROG	19	\$950	\$18,050	3.47	\$5,205
SC05-0051	ROG	19	\$1,275	\$24,225	3.47	\$6,986
SC05-0054	ROG	19	\$1,450	\$27,550	3.47	\$7,945
SC05-0057	ROG	20	\$900	\$18,000	3.65	\$4,932
SC05-0084	ROG	20	\$1,350	\$27,000	3.65	\$7,397
SC05-0132	ROG	25	\$1,000	\$25,000	4.56	\$5,479
SC05-0167	ROG	27	\$1,475	\$39,825	4.93	\$8,082
SC05-0168	ROG	27	\$1,425	\$38,475	4.93	\$7,808
SC05-0031	ROG	30	\$1,375	\$41,250	5.48	\$7,534
SC05-0033	ROG	30	\$1,400	\$42,000	5.48	\$7,671
SC05-0055	ROG	33	\$1,225	\$40,425	6.02	\$6,712
SC05-0074	ROG	35	\$900	\$31,500	6.39	\$4,932
SC05-0087	ROG	35	\$1,180	\$41,300	6.39	\$6,466
SC05-0089	ROG	35	\$1,495.80	\$52,353	6.39	\$8,196
SC05-0108	ROG	35	\$1,125	\$39,375	6.39	\$6,164

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SC05-0002	ROG	36	\$1,300	\$46,800	6.57	\$7,123
SC05-0104	ROG	36	\$1,400	\$50,400	6.57	\$7,671
SC05-0119	ROG	36	\$1,575	\$56,700	6.57	\$8,630
SC05-0109	ROG	38	\$1,470	\$55,860	6.94	\$8,055
SC05-0173	ROG	38	\$1,525	\$57,950	6.94	\$8,356
SC05-0009	ROG	41	\$0	\$0	7.48	\$0 ¹
SC05-0065	ROG	41	\$1,250	\$51,250	7.48	\$6,849
SC05-0056	ROG	44	\$900	\$39,600	8.03	\$4,932
SC05-0060	ROG	44	\$1,125	\$49,500	8.03	\$6,164
SC05-0061	ROG	44	\$1,700	\$74,800	8.03	\$9,315
SC05-0023	ROG	46	\$1,150	\$52,900	8.40	\$6,301
SC05-0073	ROG	46	\$1,550	\$71,300	8.40	\$8,493
SC05-0058	ROG	50	\$1,470	\$73,500	9.13	\$8,055
SC05-0171	ROG	50	\$1,850	\$92,500	9.13	\$10,137
SC05-0036	ROG	53	\$1,450	\$76,850	9.67	\$7,945
SC05-0072	ROG	59	\$1,250	\$73,750	10.77	\$6,849
SC05-0156	ROG	59	\$1,500	\$88,500	10.77	\$8,219
SC05-0107	ROG	66	\$1,000	\$66,000	12.05	\$5,479
SC05-0155	ROG	73	\$1,425	\$104,025	13.32	\$7,808
SC05-0172	ROG	73	\$1,925	\$140,525	13.32	\$10,548
SC05-0166	ROG	82	\$1,550	\$127,100	14.97	\$8,493
SC05-0091	ROG	109	\$0	\$0	19.89	\$0 ¹
SC05-0070	ROG	124	\$0	\$0	22.63	\$0 ¹
SC05-0128	ROG	133	\$0	\$0	24.27	\$0 ¹
SC05-0150	ROG	133	\$1,525	\$202,825	24.27	\$8,356
SC05-0085	ROG	137	\$1,021.90	\$140,000	25.00	\$5,599
SC05-0120	ROG	161	\$0	\$0	29.38	\$0 ¹
SC05-0082	ROG	340	\$0	\$0	62.05	\$0 ¹
SC05-0133	ROG	600	\$1,500	\$900,000	109.50	\$8,219
SC05-0174	ROG	800	\$1,525	\$1,220,000	146.00	\$8,356
	Total	4,410			805	
	Total w/ \$ Amount	3,416		\$4,865,319	623.42	
	Average Cost		\$1,424			\$7,804

SC05-0068	NOX	1	\$0	\$0	0.18	\$0 ¹
SC05-0102	NOX	1	\$1	\$1	0.18	\$52
SC05-0114	NOX	1	\$0	\$0	0.18	\$0 ²
SC05-0030	NOX	3	\$7,714	\$23,143	0.55	\$42,270

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SC05-0105	NOX	3	\$14,000	\$42,000	0.55	\$76,712
SC05-0113	NOX	3	\$0	\$0	0.55	\$0 ²
SC05-0127	NOX	3	\$28,400	\$85,200	0.55	\$155,616
SC05-0069	NOX	4	\$0	\$0	0.73	\$0 ¹
SC05-0147	NOX	4	\$32,000	\$128,000	0.73	\$175,342
SC05-0149	NOX	5	\$20,000	\$100,000	0.91	\$109,589
SC05-0094	NOX	6	\$0	\$0	1.10	\$0 ²
SC05-0099	NOX	6	\$14,750	\$88,500	1.10	\$80,822
SC05-0101	NOX	6	\$1	\$6	1.10	\$52
SC05-0110	NOX	10	\$1	\$10	1.83	\$52
SC05-0112	NOX	10	\$0	\$0	1.83	\$0 ²
SC05-0098	NOX	15	\$14,750	\$221,250	2.74	\$80,822
SC05-0100	NOX	15	\$1	\$15	2.74	\$52
SC05-0160	NOX	20	\$22,000	\$440,000	3.65	\$120,548
SC05-0095	NOX	30	\$0	\$0	5.48	\$0 ²
SC05-0097	NOX	30	\$14,750	\$442,500	5.48	\$80,822
SC05-0103	NOX	40	\$1	\$40	7.30	\$52
SC05-0111	NOX	40	\$0	\$0	7.30	\$0 ²
SC05-0096	NOX	66	\$0	\$0	12.05	\$0 ¹
SC05-0136	NOX	70	\$0	\$0	12.78	\$0 ²
SC05-0157	NOX	70	\$30,000	\$2,100,000	12.78	\$164,384
	Total	462			84	
	Total w/ \$ Amount	159		\$3,670,633	29.02	
	Average Cost		\$23,086			\$126,486

SC05-0010	SOX	1	\$12,500	\$12,500	0.18	\$68,493
SC05-0135	SOX	2	\$8,500	\$17,000	0.37	\$46,575
SC05-0090	SOX	3	\$17,500	\$52,500	0.55	\$95,890
SC05-0032	SOX	4	\$7,714.30	\$30,857	0.73	\$42,270
SC05-0043	SOX	4	\$16,750	\$67,000	0.73	\$91,781
SC05-0118	SOX	6	\$30,500	\$183,000	1.10	\$167,123
SC05-0049	SOX	10	\$11,000	\$110,000	1.83	\$60,274
SC05-0083	SOX	14	\$0	\$0	2.56	\$0 ¹
SC05-0028	SOX	18	\$10,500	\$189,000	3.29	\$57,534
SC05-0027	SOX	20	\$10,500	\$210,000	3.65	\$57,534
SC05-0116	SOX	22	\$30,500	\$671,000	4.02	\$167,123

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SC05-0062	SOX	40	\$7,775	\$311,000	7.30	\$42,603
SC05-0117	SOX	54	\$0	\$0	9.86	\$0 ²
	Total	198			36	
	Total w/ \$ Amount	130		\$1,853,857	23.73	
	Average Cost		\$14,260			\$78,123

SC05-0012	CO	2	\$5,500	\$11,000	0.37	\$30,137
SC05-0077	CO	2	\$0	\$0	0.37	\$0 ¹
SC05-0076	CO	3	\$0	\$0	0.55	\$0 ¹
SC05-0170	CO	3	\$6,000	\$18,000	0.55	\$32,877
SC05-0006	CO	4	\$4,100	\$16,400	0.73	\$22,466
SC05-0011	CO	4	\$5,800	\$23,200	0.73	\$31,781
SC05-0081	CO	4	\$0	\$0	0.73	\$0 ¹
SC05-0005	CO	24	\$4,100	\$98,400	4.38	\$22,466
SC05-0080	CO	24	\$0	\$0	4.38	\$0 ¹
SC05-0078	CO	26	\$0	\$0	4.75	\$0 ¹
SC05-0004	CO	28	\$5,800	\$162,400	5.11	\$31,781
SC05-0019	CO	28	\$7,000	\$196,000	5.11	\$38,356
SC05-0029	CO	28	\$1	\$28	5.11	\$52
SC05-0075	CO	144	\$0	\$0	26.28	\$0 ¹
SC05-0079	CO	620	\$0	\$0	113.15	\$0 ¹
	Total	944			172	
	Total w/ \$ Amount	93		\$525,400	16.97	
	Average Cost		\$5,649			\$30,961

SC05-0064	PM10	1	\$60,000	\$60,000	0.18	\$328,767
SC05-0126	PM10	1	\$0	\$0	0.18	\$0 ¹
SC05-0008	PM10	2	\$23,000	\$46,000	0.37	\$126,027
SC05-0021	PM10	2	\$41,000	\$82,000	0.37	\$224,658
SC05-0039	PM10	2	\$32,500	\$65,000	0.37	\$178,082
SC05-0153	PM10	2	\$30,000	\$60,000	0.37	\$164,384
SC05-0165	PM10	2	\$71,000	\$142,000	0.37	\$389,041
SC05-0007	PM10	3	\$50,000	\$150,000	0.55	\$273,973
SC05-0053	PM10	3	\$70,000	\$210,000	0.55	\$383,562
SC05-0124	PM10	3	\$0	\$0	0.55	\$0 ¹
SC05-0052	PM10	4	\$71,000	\$284,000	0.73	\$389,041
SC05-0125	PM10	4	\$0	\$0	0.73	\$0 ¹
SC05-0016	PM10	5	\$45,000	\$225,000	0.91	\$246,575

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SC05-0130	PM10	6	\$0	\$0	1.10	\$0 ¹
SC05-0018	PM10	12	\$45,000	\$540,000	2.19	\$246,575
SC05-0137	PM10	14	\$0	\$0	2.56	\$0 ¹
	Total	66			12	
	Total w/ \$ Amount	38		\$1,864,000	6.94	
	Average Cost		\$49,053			\$268,588

¹ SUBSIDIARY TRANSACTION

² BARTER TRANSACTION