

# South Coast Air Quality Management District

## Annual Publication of Emission Reduction Credit Transactions For Calendar Year 2004

(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 (ERCs) 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 privately held ERC transactions for Calendar Year 2004. 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 2004**

<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 ERC Transferred (ton/year)</b>	<b>Average Transaction Cost<sup>4</sup> (\$/ton/year)</b>
<b>CO</b>	13	229	42	\$20,288
<b>NOx</b>	12	214	39	\$44,862
<b>PM10</b>	16	43	8	\$139,025
<b>ROG</b>	99	2688	491	\$6,947
<b>SOx</b>	8	161	29	\$41,433

Tables 2a through 2e provide details on the amount and cost of each offset transaction. 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.

- 
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 Tables 2a through 2e).
  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 Tables 2a through 2e).

**Table 2a. CO ERC Transaction Purchase Summary - Calendar Year 2004 –  
Sorted Chronologically**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0004	CO	2	\$6,000	\$12,000	0.4	\$32,877
SC04-0022	CO	4	\$1,500	\$6,000	0.7	\$8,219
SC04-0027	CO	26	\$2,250	\$58,500	4.7	\$12,329
SC04-0118	CO	27	\$0 <sup>1</sup>	\$0 <sup>1</sup>	4.9	\$0 <sup>1</sup>
SC04-0129	CO	26	\$4,100	\$106,600	4.7	\$22,466
SC04-0130	CO	26	\$5,800	\$150,800	4.7	\$31,781
SC04-0131	CO	28	\$5,750	\$161,000	5.1	\$31,507
SC04-0132	CO	28	\$500	\$14,000	5.1	\$2,740
SC04-0133	CO	4	\$4,000	\$16,000	0.7	\$21,918
SC04-0134	CO	26	\$5,750	\$149,500	4.7	\$31,507
SC04-0142	CO	4	\$5,875	\$23,500	0.7	\$32,192
SC04-0147	CO	4	\$1,786	\$7,144	0.7	\$9,786
SC04-0148	CO	24	\$1,786	\$42,864	4.4	\$9,786
	<b>TOTAL</b>	<b>229</b>			<b>42</b>	
	<b>TOTAL W/ \$ AMNT</b>	<b>202</b>		<b>\$747,908</b>	<b>37</b>	
	<b>AVG. COST</b>		<b>\$3,703</b>			<b>\$20,288</b>

<sup>1</sup> SUBSIDIARY TRANSACTION

**Table 2b. NOx ERC Transaction Purchase Summary - Calendar Year 2004 –  
Sorted Chronologically**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0005	NOX	27	\$7,500	\$202,500	4.9	\$41,096
SC04-0008	NOX	27	\$8,800	\$237,600	4.9	\$48,219
SC04-0009	NOX	40	\$8,600	\$344,000	7.3	\$47,123
SC04-0014	NOX	70	\$7,759	\$543,102	12.8	\$42,513
SC04-0015	NOX	17	\$7,759	\$131,896	3.1	\$42,513
SC04-0030	NOX	5	\$7,000	\$35,000	0.9	\$38,356
SC04-0031	NOX	4	\$10,500	\$42,000	0.7	\$57,534
SC04-0117	NOX	1	\$8,500	\$8,500	0.2	\$46,575
SC04-0123	NOX	1	\$9,500	\$9,500	0.2	\$52,055
SC04-0135	NOX	4	\$9,000	\$36,000	0.7	\$49,315
SC04-0136	NOX	4	\$9,000	\$36,000	0.7	\$49,315
SC04-0137	NOX	14	\$9,000	\$126,000	2.6	\$49,315
	<b>TOTAL</b>	<b>214</b>			<b>39</b>	
	<b>TOTAL W/ \$ AMNT</b>	<b>214</b>		<b>\$1,752,098</b>	<b>39</b>	
	<b>AVG. COST</b>		<b>\$8,187</b>			<b>\$44,862</b>

**Table 2c. PM10 ERC Transaction Purchase Summary - Calendar Year 2004  
– Sorted Chronologically**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0006	PM10	1	\$25,000	\$25,000	0.2	\$136,986
SC04-0007	PM10	1	\$25,000	\$25,000	0.2	\$136,986
SC04-0011	PM10	4	\$25,000	\$100,000	0.7	\$136,986
SC04-0025	PM10	1	\$26,000	\$26,000	0.2	\$142,466
SC04-0071	PM10	4	\$25,000	\$100,000	0.7	\$136,986
SC04-0085	PM10	4	\$27,000	\$108,000	0.7	\$147,945
SC04-0089	PM10	4	\$25,000	\$100,000	0.7	\$136,986
SC04-0095	PM10	4	\$28,000	\$112,000	0.7	\$153,425
SC04-0096	PM10	4	\$28,000	\$112,000	0.7	\$153,425
SC04-0097	PM10	1	\$28,000	\$28,000	0.2	\$153,425
SC04-0112	PM10	3	\$23,000	\$69,000	0.5	\$126,027
SC04-0113	PM10	7	\$23,000	\$161,000	1.3	\$126,027
SC04-0114	PM10	1	\$20,000	\$20,000	0.2	\$109,589
SC04-0115	PM10	1	\$27,000	\$27,000	0.2	\$147,945
SC04-0119	PM10	1	\$26,000	\$26,000	0.2	\$142,466
SC04-0124	PM10	2	\$26,000	\$52,000	0.4	\$142,466
	<b>TOTAL</b>	<b>43</b>			<b>8</b>	
	<b>TOTAL W/ \$ AMNT</b>	<b>43</b>		<b>\$1,091,000</b>	<b>8</b>	
		<b>AVG. COST</b>	<b>\$25,372</b>			<b>\$139,025</b>

**Table 2d. ROG ERC Transaction Purchase Summary - Calendar Year 2004 – Sorted Chronologically**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0001	ROG	64	\$0 <sup>1</sup>	\$0 <sup>1</sup>	11.7	\$0 <sup>1</sup>
SC04-0002	ROG	8	\$1,325	\$10,600	1.5	\$7,260
SC04-0003	ROG	8	\$0 <sup>1</sup>	\$0 <sup>1</sup>	1.5	\$0 <sup>1</sup>
SC04-0010	ROG	8	\$0 <sup>1</sup>	\$0 <sup>1</sup>	1.5	\$0 <sup>1</sup>
SC04-0012	ROG	21	\$1,000	\$21,000	3.8	\$5,479
SC04-0013	ROG	16	\$950	\$15,200	2.9	\$5,205
SC04-0016	ROG	40	\$1,275	\$51,000	7.3	\$6,986
SC04-0017	ROG	5	\$1,375	\$6,875	0.9	\$7,534
SC04-0018	ROG	26	\$0 <sup>1</sup>	\$0 <sup>1</sup>	4.7	\$0 <sup>1</sup>
SC04-0019	ROG	10	\$4,000	\$40,000	1.8	\$21,918
SC04-0020	ROG	38	\$3,454	\$131,252	6.9	\$18,926
SC04-0021	ROG	38	\$1,240	\$47,120	6.9	\$6,795

**Table 2d. ROG ERC Transaction Purchase Summary - Calendar Year 2004 – Sorted Chronologically (continued)**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0023	ROG	50	\$1,365	\$68,250	9.1	\$7,479
SC04-0024	ROG	16	\$1,400	\$22,400	2.9	\$7,671
SC04-0026	ROG	3	\$1,435	\$4,305	0.5	\$7,863
SC04-0028	ROG	3	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.5	\$0 <sup>1</sup>
SC04-0029	ROG	19	\$1,200	\$22,800	3.5	\$6,575
SC04-0032	ROG	2	\$1,350	\$2,700	0.4	\$7,397
SC04-0033	ROG	18	\$1,350	\$24,300	3.3	\$7,397
SC04-0034	ROG	14	\$0 <sup>1</sup>	\$0 <sup>1</sup>	2.6	\$0 <sup>1</sup>
SC04-0035	ROG	250	\$0 <sup>1</sup>	\$0 <sup>1</sup>	45.6	\$0 <sup>1</sup>
SC04-0036	ROG	18	\$1,150	\$20,700	3.3	\$6,301
SC04-0037	ROG	17	\$0 <sup>1</sup>	\$0 <sup>1</sup>	3.1	\$0 <sup>1</sup>
SC04-0038	ROG	19	\$1,250	\$23,750	3.5	\$6,849
SC04-0039	ROG	18	\$950	\$17,100	3.3	\$5,205
SC04-0040	ROG	80	\$1,275	\$102,000	14.6	\$6,986
SC04-0042	ROG	6	\$0 <sup>1</sup>	\$0 <sup>1</sup>	1.1	\$0 <sup>1</sup>
SC04-0043	ROG	3	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.5	\$0 <sup>1</sup>
SC04-0044	ROG	12	\$1,240	\$14,880	2.2	\$6,795
SC04-0045	ROG	123	\$1,250	\$153,750	22.4	\$6,849
SC04-0046	ROG	146	\$900	\$131,400	26.6	\$4,932
SC04-0047	ROG	6	\$1,219	\$7,313	1.1	\$6,678
SC04-0048	ROG	10	\$1,219	\$12,188	1.8	\$6,678
SC04-0049	ROG	10	\$1,285	\$12,850	1.8	\$7,041
SC04-0050	ROG	56	\$1,285	\$71,960	10.2	\$7,041
SC04-0051	ROG	24	\$1,285	\$30,840	4.4	\$7,041
SC04-0052	ROG	3	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.5	\$0 <sup>1</sup>
SC04-0053	ROG	16	\$1,365	\$21,840	2.9	\$7,479
SC04-0054	ROG	34	\$1,365	\$46,410	6.2	\$7,479
SC04-0062	ROG	25	\$1,434	\$35,845	4.6	\$7,856
SC04-0063	ROG	25	\$1,434	\$35,845	4.6	\$7,856
SC04-0064	ROG	6	\$750	\$4,500	1.1	\$4,110
SC04-0065	ROG	1	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.2	\$0 <sup>1</sup>
SC04-0066	ROG	37	\$1,230	\$45,510	6.8	\$6,740
SC04-0067	ROG	80	\$1,275	\$102,000	14.6	\$6,986
SC04-0068	ROG	1	\$1,300	\$1,300	0.2	\$7,123
SC04-0069	ROG	10	\$0 <sup>1</sup>	\$0 <sup>1</sup>	1.8	\$0 <sup>1</sup>
SC04-0070	ROG	13	\$1,100	\$14,300	2.4	\$6,027
SC04-0072	ROG	21	\$1,230	\$25,830	3.8	\$6,740
SC04-0073	ROG	9	\$1,100	\$9,900	1.6	\$6,027

**Table 2d. ROG ERC Transaction Purchase Summary - Calendar Year 2004 – Sorted Chronologically (continued)**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0074	ROG	183	\$1,275	\$233,325	33.4	\$6,986
SC04-0075	ROG	31	\$900	\$27,900	5.7	\$4,932
SC04-0076	ROG	30	\$900	\$27,000	5.5	\$4,932
SC04-0077	ROG	6	\$1,250	\$7,500	1.1	\$6,849
SC04-0078	ROG	86	\$1,100	\$94,600	15.7	\$6,027
SC04-0079	ROG	3	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.5	\$0 <sup>1</sup>
SC04-0080	ROG	24	\$1,300	\$31,200	4.4	\$7,123
SC04-0081	ROG	43	\$0 <sup>1</sup>	\$0 <sup>1</sup>	7.8	\$0 <sup>1</sup>
SC04-0082	ROG	4	\$700	\$2,800	0.7	\$3,836
SC04-0083	ROG	25	\$1,250	\$31,250	4.6	\$6,849
SC04-0084	ROG	54	\$1,180	\$63,720	9.9	\$6,466
SC04-0086	ROG	3	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.5	\$0 <sup>1</sup>
SC04-0087	ROG	4	\$1,500	\$6,000	0.7	\$8,219
SC04-0088	ROG	8	\$0 <sup>1</sup>	\$0 <sup>1</sup>	1.5	\$0 <sup>1</sup>
SC04-0090	ROG	7	\$1,125	\$7,875	1.3	\$6,164
SC04-0091	ROG	5	\$1,125	\$5,625	0.9	\$6,164
SC04-0092	ROG	4	\$1,125	\$4,500	0.7	\$6,164
SC04-0093	ROG	16	\$1,175	\$18,800	2.9	\$6,438
SC04-0094	ROG	16	\$1,062	\$16,984	2.9	\$5,816
SC04-0098	ROG	30	\$1,200	\$36,000	5.5	\$6,575
SC04-0099	ROG	3	\$1,260	\$3,780	0.5	\$6,904
SC04-0100	ROG	2	\$1,200	\$2,400	0.4	\$6,575
SC04-0101	ROG	1	\$1,400	\$1,400	0.2	\$7,671
SC04-0102	ROG	28	\$0 <sup>1</sup>	\$0 <sup>1</sup>	5.1	\$0 <sup>1</sup>
SC04-0103	ROG	28	\$1,100	\$30,800	5.1	\$6,027
SC04-0104	ROG	28	\$1,100	\$30,800	5.1	\$6,027
SC04-0105	ROG	14	\$3,081	\$43,134	2.6	\$16,882
SC04-0106	ROG	4	\$0 <sup>1</sup>	\$0 <sup>1</sup>	0.7	\$0 <sup>1</sup>
SC04-0107	ROG	2	\$950	\$1,900	0.4	\$5,205
SC04-0108	ROG	9	\$0 <sup>1</sup>	\$0 <sup>1</sup>	1.6	\$0 <sup>1</sup>
SC04-0109	ROG	2	\$1,400	\$2,800	0.4	\$7,671
SC04-0110	ROG	2	\$1,200	\$2,400	0.4	\$6,575
SC04-0111	ROG	102	\$0 <sup>1</sup>	\$0 <sup>1</sup>	18.6	\$0 <sup>1</sup>
SC04-0116	ROG	6	\$1,275	\$7,650	1.1	\$6,986
SC04-0120	ROG	37	\$0 <sup>1</sup>	\$0 <sup>1</sup>	6.8	\$0 <sup>1</sup>
SC04-0121	ROG	40	\$1,000	\$40,000	7.3	\$5,479
SC04-0122	ROG	20	\$1,250	\$25,000	3.7	\$6,849
SC04-0125	ROG	5	\$1,250	\$6,250	0.9	\$6,849

**Table 2d. ROG ERC Transaction Purchase Summary - Calendar Year 2004 – Sorted Chronologically (continued)**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0126	ROG	4	\$1,250	\$5,000	0.7	\$6,849
SC04-0127	ROG	4	\$1,250	\$5,000	0.7	\$6,849
SC04-0128	ROG	20	\$1,250	\$25,000	3.7	\$6,849
SC04-0138	ROG	3	\$1,270	\$3,810	0.5	\$6,959
SC04-0139	ROG	50	\$0 <sup>1</sup>	\$0 <sup>1</sup>	9.1	\$0 <sup>1</sup>
SC04-0140	ROG	103	\$1,275	\$131,325	18.8	\$6,986
SC04-0141	ROG	10	\$1,350	\$13,500	1.8	\$7,397
SC04-0143	ROG	10	\$1,300	\$13,000	1.8	\$7,123
SC04-0144	ROG	40	\$1,100	\$44,000	7.3	\$6,027
SC04-0145	ROG	21	\$1,300	\$27,300	3.8	\$7,123
SC04-0146	ROG	22	\$1,325	\$29,150	4.0	\$7,260
	<b>TOTAL</b>	<b>2,688</b>			<b>491</b>	
	<b>TOTAL W/ \$ AMNT</b>	<b>1,988</b>		<b>\$2,520,291</b>	<b>363</b>	
	<b>AVG. COST</b>		<b>\$1,268</b>			<b>\$6,947</b>

<sup>1</sup> SUBSIDIARY TRANSACTIONS

**Table 2e. SOx ERC Transaction Purchase Summary - Calendar Year 2004 – Sorted Chronologically**

SCAQMD NO.	EMIT	AMOUNT (LBS/DAY)	COST (\$/LB/DAY)	TOTAL COST	TON/YR	COST (\$/TON/YR)
SC04-0041	SOX	14	\$7,286	\$102,000	2.6	\$39,922
SC04-0055	SOX	3	\$7,000	\$21,000	0.5	\$38,356
SC04-0056	SOX	1	\$7,600	\$7,600	0.2	\$41,644
SC04-0057	SOX	1	\$7,600	\$7,600	0.2	\$41,644
SC04-0058	SOX	10	\$7,600	\$76,000	1.8	\$41,644
SC04-0059	SOX	10	\$7,600	\$76,000	1.8	\$41,644
SC04-0060	SOX	47	\$7,600	\$357,200	8.6	\$41,644
SC04-0061	SOX	75	\$7,600	\$570,000	13.7	\$41,644
	<b>TOTAL</b>	<b>161</b>			<b>29</b>	
	<b>TOTAL W/ \$ AMNT</b>	<b>161</b>		<b>\$1,217,400</b>	<b>29</b>	
	<b>AVG. COST</b>		<b>\$7,561</b>			<b>\$41,433</b>