

South Coast Air Quality Management District Annual Publication of Emission Reduction Credit Transactions For Calendar Year 2011 (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 2011. 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 2011

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)
CO	4	565	103.11	\$5,479
NOx	24	661	120.63	\$0
PM10	30	184	33.58	\$765,107
ROG	39	1662	303.32	\$35,532
SOx	7	147	26.86	\$0

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). Short Term Emission Reduction Credit (STERC) transactions are counted as a single transaction, which includes the yearly increments and the permanent credit.

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).

Tables 2a through 2e provide details on the amount and cost of each offset transaction for CO, NOx, PM10, ROG, and SOx, respectively. 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.

Table 2a – CO Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-001	CO	310	1,000	310,000	56.58	5,479
SC11-002	CO	18	1,000	18,000	3.29	5,479
SC11-003	CO	28	1,000	28,000	5.11	5,479
SC11-004	CO	209	1,000	209,000	38.14	5,479
	TOTAL	565			103.11	
TOTAL WITH \$ AMOUNT		565		565,000	103.11	
AVERAGE COST			1,000			5,479

Table 2b – NOx Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-005	NOx	53	Subsidiary Trans.	0	9.67	0
SC11-006	NOx	3	Subsidiary Trans.	0	0.55	0
SC11-007	NOx	1	Subsidiary Trans.	0	0.18	0
SC11-008	NOx	1	Subsidiary Trans.	0	0.18	0
SC11-009	NOx	1	Subsidiary Trans.	0	0.18	0
SC11-010	NOx	3	Subsidiary Trans.	0	0.55	0
SC11-011	NOx	3	Subsidiary Trans.	0	0.55	0
SC11-012	NOx	5	Subsidiary Trans.	0	0.91	0
SC11-013	NOx	13	Subsidiary Trans.	0	2.37	0
SC11-014	NOx	40	Subsidiary Trans.	0	7.30	0
SC11-015	NOx	70	Subsidiary Trans.	0	12.78	0
SC11-016	NOx	115	Subsidiary Trans.	0	20.99	0
SC11-017	NOx	77	Subsidiary Trans.	0	14.05	0
SC11-018	NOx	157	Subsidiary Trans.	0	28.65	0
SC11-019	NOx	4	Subsidiary Trans.	0	0.73	0
SC11-020	NOx	1	Subsidiary Trans.	0	0.18	0

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SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-021	NOx	4	Subsidiary Trans.	0	0.73	0
SC11-022	NOx	5	Subsidiary Trans.	0	0.91	0
SC11-023	NOx	6	Subsidiary Trans.	0	1.10	0
SC11-024	NOx	14	Subsidiary Trans.	0	2.56	0
SC11-025	NOx	17	Subsidiary Trans.	0	3.10	0
SC11-026	NOx	21	Subsidiary Trans.	0	3.83	0
SC11-027	NOx	44	Subsidiary Trans.	0	8.03	0
SC11-028	NOx	3	Subsidiary Trans.	0	0.55	0
	TOTAL	661			120.63	
TOTAL WITH \$ AMOUNT		0		0	0	
AVERAGE COST			0			0

Table 2c – PM10 Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-029	PM10	1	27,000	27,000	0.18	147,945
SC11-030	PM10	13	27,000	351,000	2.37	147,945
SC11-031	PM10	3	97,000	291,000	0.55	531,507
SC11-032	PM10	5	97,000	485,000	0.91	531,507
SC11-033	PM10	2	115,000	230,000	0.37	630,137
SC11-034	PM10	2	125,000	250,000	0.37	684,932
SC11-035	PM10	1	125,000	125,000	0.18	684,932
SC11-036	PM10	13	125,000	1,625,000	2.37	684,932
SC11-037	PM10	17	125,000	2,125,000	3.10	684,932
SC11-038	PM10	4	125,000	500,000	0.73	684,932
SC11-039	PM10	5	130,000	650,000	0.91	712,329
SC11-040	PM10	1	130,000	130,000	0.18	712,329
SC11-041	PM10	2	130,000	260,000	0.37	712,329
SC11-042	PM10	3	130,000	390,000	0.55	712,329
SC11-043	PM10	4	130,000	520,000	0.73	712,329
SC11-044	PM10	16	150,000	2,400,000	2.92	821,918
SC11-045	PM10	5	200,000	1,000,000	0.91	1,095,890
SC11-046	PM10	8	200,000	1,600,000	1.46	1,095,890
SC11-047	PM10	18	222,500	4,005,000	3.29	1,219,178

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SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-048	PM10	1	245,000	245,000	0.18	1,342,466
SC11-049	PM10	1	245,000	245,000	0.18	1,342,466
SC11-050	PM10	37	Barter	0	6.75	0
SC11-051	PM10	1	Subsidiary Trans.	0	0.18	0
SC11-052	PM10	4	Subsidiary Trans.	0	0.73	0
SC11-053	PM10	4	Subsidiary Trans.	0	0.73	0
SC11-054	PM10	1	Subsidiary Trans.	0	0.18	0
SC11-055	PM10	7	Subsidiary Trans.	0	1.28	0
SC11-056	PM10	1	Subsidiary Trans.	0	0.18	0
SC11-057	PM10	2	Subsidiary Trans.	0	0.37	0
SC11-058	PM10	2	Subsidiary Trans.	0	0.37	0
	TOTAL	184			33.58	
TOTAL WITH \$ AMOUNT		125		17,454,000	22.81	
AVERAGE COST			139,632			765,107

Table 2d – ROG Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-060	ROG	44	5,500	242,000	8.03	30,137
SC11-061	ROG	92	5,500	506,000	16.79	30,137
SC11-062	ROG	2	5,700	11,400	0.37	31,233
SC11-063	ROG	14	5,700	79,800	2.56	31,233
SC11-064	ROG	14	5,700	79,800	2.56	31,233
SC11-065	ROG	2	5,700	11,400	0.37	31,233
SC11-066	ROG	4	5,775	23,100	0.73	31,644
SC11-067	ROG	3	5,775	17,325	0.55	31,644
SC11-068	ROG	5	5,900	29,500	0.91	32,329
SC11-069	ROG	4	5,950	23,800	0.73	32,603
SC11-070	ROG	12	5,950	71,400	2.19	32,603
SC11-071	ROG	7	5,950	41,650	1.28	32,603
SC11-072	ROG	2	5,950	11,900	0.37	32,603
SC11-073	ROG	3	5,950	17,850	0.55	32,603
SC11-074	ROG	1	6,000	6,000	0.18	32,877

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SC11-075	ROG	1	6,000	6,000	0.18	32,877
SC11-076	ROG	1	6,000	6,000	0.18	32,877
SC11-077	ROG	8	6,000	48,000	1.46	32,877
SC11-078	ROG	100	6,000	600,000	18.25	32,877
SC11-079	ROG	5	6,000	30,000	0.91	32,877
SC11-080	ROG	11	6,200	68,200	2.01	33,973
SC11-081	ROG	121	6,400	774,400	22.08	35,068
SC11-082	ROG	33	7,000	231,000	6.02	38,356
SC11-083	ROG	1	7,000	7,000	0.18	38,356
SC11-084	ROG	8	7,000	56,000	1.46	38,356
SC11-085	ROG	5	7,000	35,000	0.91	38,356
SC11-086	ROG	4	7,000	28,000	0.73	38,356
SC11-087	ROG	2	7,000	14,000	0.37	38,356
SC11-088	ROG	435	7,000	3,045,000	79.39	38,356
SC11-092	ROG	30	Subsidiary Trans.	0	5.48	0
SC11-093	ROG	28	Subsidiary Trans.	0	5.11	0
SC11-094	ROG	483	Subsidiary Trans.	0	88.15	0
SC11-095	ROG	100	Subsidiary Trans.	0	18.25	0
SC11-096	ROG	64	Subsidiary Trans.	0	11.68	0
SC11-097	ROG	1	Subsidiary Trans.	0	0.18	0
SC11-098	ROG	4	Subsidiary Trans.	0	0.73	0
SC11-099	ROG	2	Subsidiary Trans.	0	0.37	0
SC11-100	ROG	1	Subsidiary Trans.	0	0.18	0
SC11-101	ROG	5	Subsidiary Trans.	0	0.91	0
	TOTAL	1662			303.32	
TOTAL WITH \$ AMOUNT		944		6,121,525	172.28	
AVERAGE COST			6,484.67			35,532

Table 2e – SOx Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC11-102	SOx	1	Subsidiary Trans.	0	0.18	0
SC11-103	SOx	1	Subsidiary Trans.	0	0.18	0
SC11-104	SOx	3	Subsidiary Trans.	0	0.55	0
SC11-105	SOx	75	Subsidiary Trans.	0	13.69	0
SC11-106	SOx	47	Subsidiary Trans.	0	8.58	0
SC11-107	SOx	10	Subsidiary Trans.	0	1.83	0
SC11-108	SOx	10	Subsidiary Trans.	0	1.83	0
	TOTAL	147			26.83	
TOTAL WITH \$ AMOUNT		0		0	0	
AVERAGE COST			0			0