

South Coast Air Quality Management District

Annual Publication of Emission Reduction Credit Transactions For Calendar Year 2014 (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 2014. 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. The emission source of each of these transactions is from a stationary source.

Table 1 ERC Transactions – Calendar Year 2014

Criteria Pollutant	No. of ERC Transfer Transactions ²	Quantity of ERCs Transferred ³ (lb/day)	Annualized Quantity of ERCs Transferred (ton/year)	Average Transaction Cost ⁴ (\$/ton/year)
CO	2	113	20.62	\$5,479
NOx	2	30	5.48	\$63,014
PM10	28	139	25.37	\$521,868
ROG	57	836	152.57	\$22,002
SOx	0	0	0	0

¹ This report does not include RECLAIM Trading Credit (RTC) transactions.

² Includes all privately held ERC certificates that 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)
SC-14-100	CO	32	1,000	32,000	5.84	5,479.45
SC-14-101	CO	81	0	0	14.78	0.00
	TOTAL	113			20.62	
TOTAL WITH \$ AMOUNT		32		32,000	5.84	
AVERAGE COST			1,000			5,479.45

Table 2b – NOx Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC-14-102	NOX	21	11,500	241,500	3.83	63,013.70
SC-14-103	NOX	9	11,500	103,500	1.64	63,013.70
	TOTAL	30			5.48	
TOTAL WITH \$ AMOUNT		30		345,000	5.48	
AVERAGE COST			11,500			63,013.70

Table 2c – PM10 Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC-14-104	PM10	1	52,800	52,800	0.18	289,315.07
SC-14-105	PM10	7	52,800	369,600	1.28	289,315.07
SC-14-106	PM10	3	85,000	255,000	0.55	465,753.42
SC-14-107	PM10	3	90,000	270,000	0.55	493,150.68
SC-14-108	PM10	4	92,000	368,000	0.73	504,109.59
SC-14-109	PM10	2	92,000	184,000	0.37	504,109.59
SC-14-110	PM10	4	92,000	368,000	0.73	504,109.59
SC-14-111	PM10	4	93,000	372,000	0.73	509,589.04
SC-14-112	PM10	3	93,000	279,000	0.55	509,589.04

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SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC-14-113	PM10	4	93,000	372,000	0.73	509,589.04
SC-14-114	PM10	4	93,000	372,000	0.73	509,589.04
SC-14-115	PM10	5	94,500	472,500	0.91	517,808.22
SC-14-116	PM10	4	95,000	380,000	0.73	520,547.95
SC-14-117	PM10	5	95,000	475,000	0.91	520,547.95
SC-14-118	PM10	7	95,000	665,000	1.28	520,547.95
SC-14-119	PM10	1	95,000	95,000	0.18	520,547.95
SC-14-120	PM10	2	100,000	200,000	0.37	547,945.21
SC-14-121	PM10	1	100,000	100,000	0.18	547,945.21
SC-14-122	PM10	1	100,000	100,000	0.18	547,945.21
SC-14-123	PM10	5	101,000	505,000	0.91	553,424.66
SC-14-124	PM10	1	101,000	101,000	0.18	553,424.66
SC-14-125	PM10	4	101,000	404,000	0.73	553,424.66
SC-14-126	PM10	3	101,000	303,000	0.55	553,424.66
SC-14-127	PM10	4	101,000	404,000	0.73	553,424.66
SC-14-128	PM10	4	101,000	404,000	0.73	553,424.66
SC-14-129	PM10	3	101,000	303,000	0.55	553,424.66
SC-14-130	PM10	31	105,000	3,255,000	5.66	575,342.47
SC-14-131	PM10	19	0	0	3.47	0.00
	TOTAL	139			25.37	
TOTAL WITH \$ AMOUNT		120		11,428,900	21.90	
AVERAGE COST			95,241			521,868

Table 2d – ROG Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC-14-132	ROG	4	1,350	5,400	0.73	7,397.26
SC-14-133	ROG	3	2,500	7,500	0.55	13,698.63
SC-14-134	ROG	36	3,400	122,400	6.57	18,630.14
SC-14-135	ROG	13	3,975	51,675	2.37	21,780.82
SC-14-136	ROG	13	3,975	51,675	2.37	21,780.82
SC-14-137	ROG	4	4,050	16,200	0.73	22,191.78
SC-14-138	ROG	1	4,100	4,100	0.18	22,465.75

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SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC-14-139	ROG	26	4,200	109,200	4.75	23,013.70
SC-14-140	ROG	4	4,400	17,600	0.73	24,109.59
SC-14-141	ROG	8	4,500	36,000	1.46	24,657.53
SC-14-142	ROG	4	4,500	18,000	0.73	24,657.53
SC-14-143	ROG	5	4,500	22,500	0.91	24,657.53
SC-14-144	ROG	1	4,500	4,500	0.18	24,657.53
SC-14-145	ROG	4	4,500	18,000	0.73	24,657.53
SC-14-146	ROG	4	4,650	18,600	0.73	25,479.45
SC-14-147	ROG	3	4,700	14,100	0.55	25,753.42
SC-14-148	ROG	3	4,700	14,100	0.55	25,753.42
SC-14-149	ROG	1	4,700	4,700	0.18	25,753.42
SC-14-150	ROG	1	5,000	5,000	0.18	27,397.26
SC-14-151	ROG	1	5,000	5,000	0.18	27,397.26
SC-14-152	ROG	2	5,000	10,000	0.37	27,397.26
SC-14-153	ROG	5	6,000	30,000	0.91	32,876.71
SC-14-154	ROG	4	0	0	0.73	0.00
SC-14-155	ROG	4	0	0	0.73	0.00
SC-14-156	ROG	9	0	0	1.64	0.00
SC-14-157	ROG	22	0	0	4.02	0.00
SC-14-158	ROG	19	0	0	3.47	0.00
SC-14-159	ROG	15	0	0	2.74	0.00
SC-14-160	ROG	4	0	0	0.73	0.00
SC-14-161	ROG	20	0	0	3.65	0.00
SC-14-162	ROG	35	0	0	6.39	0.00
SC-14-163	ROG	2	0	0	0.37	0.00
SC-14-164	ROG	2	0	0	0.37	0.00
SC-14-165	ROG	2	0	0	0.37	0.00
SC-14-166	ROG	80	0	0	14.60	0.00
SC-14-167	ROG	32	0	0	5.84	0.00
SC-14-168	ROG	35	0	0	6.39	0.00
SC-14-169	ROG	4	0	0	0.73	0.00
SC-14-170	ROG	95	0	0	17.34	0.00
SC-14-171	ROG	86	0	0	15.70	0.00
SC-14-172	ROG	1	0	0	0.18	0.00

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SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
SC-14-173	ROG	1	0	0	0.18	0.00
SC-14-174	ROG	1	0	0	0.18	0.00
SC-14-175	ROG	5	0	0	0.91	0.00
SC-14-176	ROG	17	0	0	3.10	0.00
SC-14-177	ROG	20	0	0	3.65	0.00
SC-14-178	ROG	35	0	0	6.39	0.00
SC-14-179	ROG	1	0	0	0.18	0.00
SC-14-180	ROG	3	0	0	0.55	0.00
SC-14-181	ROG	2	0	0	0.37	0.00
SC-14-182	ROG	3	0	0	0.55	0.00
SC-14-183	ROG	3	0	0	0.55	0.00
SC-14-184	ROG	10	0	0	1.83	0.00
SC-14-185	ROG	22	0	0	4.02	0.00
SC-14-186	ROG	2	0	0	0.37	0.00
SC-14-187	ROG	11	0	0	2.01	0.00
SC-14-188	ROG	83	0	0	15.15	0.00
TOTAL		836			152.57	
TOTAL WITH \$ AMOUNT		146		586,250	26.65	
AVERAGE COST			4,015			22,002

Table 2e – SOx Transaction Details

SCAQMD No.	Pollutant	Amount (lb/day)	Cost (\$/lb/day)	Total Cost (\$)	Amount (ton/yr)	Cost (\$/ton/yr)
No SOx Transactions						
TOTAL WITH \$ AMOUNT		-		-	-	
AVERAGE COST			-			-