

South Coast Air Quality Management District

Annual Publication of Emission Reduction Credit Transactions for Calendar Year 2015 (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) and Short Term Emission Reduction Credit (STERC) transactions¹, and the transaction costs. The South Coast Air Quality Management District (SCAQMD) 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/STERC transactions for Calendar Year 2015. Table 1 totals, by pollutant, the number of ERC/STERC transactions, the quantity of ERC/STERCs transferred in units of “pounds per day” and “tons per year”, and the average price paid for each ERC/STERC in “dollars per pound per day” and “dollars per ton per year”. The emission source of each of these transactions is from a stationary source.

Table 1 – ERC/STERC Transactions for Calendar Year 2015

Criteria Pollutant	No. of ERC/STERC Transactions ²	Quantity of ERC/STERCs Transferred ³ (lb/day)	Annualized Quantity of ERC/STERCs Transferred ³ (ton/year)	Average Transaction Cost ⁴ (\$/lb/day)	Annualized Average Transaction Cost ⁴ (\$/ton/year)
CO	0	0	0	0.00	0.00
NOx	2	106	19.3	16,646.23	91,424.87
PM10	27	99	18.1	100,749.66	551,400.18
ROG	59	1,293	236	3,886.17	21,293.81
SOx	2	46	8.4	0.00	0.00

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

² Includes all privately held ERC/STERC certificates that transferred ownership regardless of cost (refer to Tables 2a-2d). STERC transactions are counted as a single transaction which includes the yearly increments and the permanent credit, only the latter of which is associated with offset and cost data.

³ Includes the total amount (pounds per day) of ERC/STERCs transferred regardless of the presence or lack of cost data.

⁴ Based only on those ERC/STERC transactions that include cost data (refer to Tables 2a-2d).

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As supported by Table 1, there were no CO offset transactions processed during calendar year 2015. Tables 2a through 2d provide details on the amount and cost of each offset transaction for NOx, PM10, ROG, and SOx, respectively. The Average Transaction Cost (\$/lb/day) and Annualized Average Transaction Cost (\$/ton/year) are based on transactions that included cost data and does not include barter or subsidiary transactions. This information shall remain on file at SCAQMD 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 – NOx Transaction Details

SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)	
SC-15-001	1	0.2	ERC	N/A	N/A	21,500.00	107,500.00	
SC-15-002	105	19.2	ERC	N/A	N/A	16,600.00	90,781.25	
Total	106	19.3						
Total with Cost Data	106	19.3	Average Cost			16,646.23	91,424.87	

Table 2b – PM10 Transaction Details

SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-003	1	0.2	ERC	N/A	N/A	0.00	0.00
SC-15-004	1	0.2	ERC	N/A	N/A	90,000.00	450,000.00
SC-15-005	0	0	STERC	2016	2016	0.00	0.00
SC-15-006	0	0	STERC	2017	2017	0.00	0.00
SC-15-007	0	0	STERC	2018	2018	0.00	0.00
SC-15-008	1	0.2	STERC	2019	9999	96,373.06	481,865.30
SC-15-009	1	0.2	ERC	N/A	N/A	96,373.06	481,865.30
SC-15-010	1	0.2	ERC	N/A	N/A	96,373.06	481,865.30
SC-15-011	0	0	STERC	2016	2016	0.00	0.00
SC-15-012	0	0	STERC	2017	2017	0.00	0.00
SC-15-013	0	0	STERC	2018	2018	0.00	0.00
SC-15-014	1	0.2	STERC	2019	9999	100,000.00	500,000.00
SC-15-015	1	0.2	ERC	N/A	N/A	100,000.00	500,000.00
SC-15-016	1	0.2	ERC	N/A	N/A	100,000.00	500,000.00
SC-15-017	0	0	STERC	2015	2015	0.00	0.00
SC-15-018	0	0	STERC	2016	2016	0.00	0.00
SC-15-019	0	0	STERC	2017	2017	0.00	0.00
SC-15-020	0	0	STERC	2018	2018	0.00	0.00
SC-15-021	2	0.4	STERC	2019	9999	104,981.00	524,905.00
SC-15-022	2	0.4	ERC	N/A	N/A	0.00	0.00
SC-15-023	2	0.4	ERC	N/A	N/A	90,000.00	450,000.00
SC-15-024	3	0.5	ERC	N/A	N/A	104,997.75	629,986.50

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SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)	
SC-15-025	3	0.5	ERC	N/A	N/A	0.00	0.00	
SC-15-026	3	0.5	ERC	N/A	N/A	90,000.00	540,000.00	
SC-15-027	3	0.5	ERC	N/A	N/A	100,000.00	600,000.00	
SC-15-028	3	0.5	ERC	N/A	N/A	100,000.00	600,000.00	
SC-15-029	3	0.5	ERC	N/A	N/A	100,000.00	600,000.00	
SC-15-030	0	0	STERC	2015	2015	0.00	0.00	
SC-15-031	0	0	STERC	2016	2016	0.00	0.00	
SC-15-032	0	0	STERC	2017	2017	0.00	0.00	
SC-15-033	0	0	STERC	2018	2018	0.00	0.00	
SC-15-034	4	0.7	STERC	2019	9999	105,000.00	600,000.00	
SC-15-035	0	0	STERC	2015	2015	0.00	0.00	
SC-15-036	0	0	STERC	2016	2016	0.00	0.00	
SC-15-037	0	0	STERC	2017	2017	0.00	0.00	
SC-15-038	0	0	STERC	2018	2018	0.00	0.00	
SC-15-039	4	0.7	STERC	2019	9999	105,000.00	600,000.00	
SC-15-040	4	0.7	ERC	N/A	N/A	90,000.00	514,285.71	
SC-15-041	0	0	STERC	2016	2016	0.00	0.00	
SC-15-042	0	0	STERC	2017	2017	0.00	0.00	
SC-15-043	0	0	STERC	2018	2018	0.00	0.00	
SC-15-044	5	0.9	STERC	2019	9999	96,373.06	535,405.89	
SC-15-045	0	0	STERC	2016	2016	0.00	0.00	
SC-15-046	0	0	STERC	2017	2017	0.00	0.00	
SC-15-047	0	0	STERC	2018	2018	0.00	0.00	
SC-15-048	5	0.9	STERC	2019	9999	100,000.00	555,555.56	
SC-15-049	7	1.3	ERC	N/A	N/A	104,971.89	565,233.25	
SC-15-050	8	1.5	ERC	N/A	N/A	100,000.00	533,333.33	
SC-15-051	9	1.6	ERC	N/A	N/A	105,000.00	590,625.00	
SC-15-052	9	1.6	STERC	2015	9999	104,997.75	590,612.34	
SC-15-053	12	2.2	ERC	N/A	N/A	0.00	0.00	
Total	99	18.1						
Total with Cost Data	81	14.8	Average Cost			100,749.66	551,400.18	

Table 2c – ROG Transaction Details

SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-054	1	0.2	ERC	N/A	N/A	0.00	0.00
SC-15-055	1	0.2	ERC	N/A	N/A	0.00	0.00
SC-15-056	0	0	STERC	2015	2015	0.00	0.00

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SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-057	0	0	STERC	2016	2016	0.00	0.00
SC-15-058	0	0	STERC	2017	2017	0.00	0.00
SC-15-059	1	0.2	STERC	2018	9999	0.00	0.00
SC-15-060	1	0.2	ERC	N/A	N/A	0.00	0.00
SC-15-061	1	0.2	ERC	N/A	N/A	6,000.00	30,000.00
SC-15-062	1	0.2	ERC	N/A	N/A	0.00	0.00
SC-15-063	2	0.4	ERC	N/A	N/A	3,400.00	17,000.00
SC-15-064	2	0.4	ERC	N/A	N/A	3,400.00	17,000.00
SC-15-065	2	0.4	ERC	N/A	N/A	4,600.00	23,000.00
SC-15-066	2	0.4	ERC	N/A	N/A	0.00	0.00
SC-15-067	2	0.4	ERC	N/A	N/A	4,200.00	21,000.00
SC-15-068	0	0	STERC	2015	2015	0.00	0.00
SC-15-069	0	0	STERC	2016	2016	0.00	0.00
SC-15-070	0	0	STERC	2017	2017	0.00	0.00
SC-15-071	0	0	STERC	2018	2018	0.00	0.00
SC-15-072	2	0.4	STERC	2019	9999	3,519.00	17,595.00
SC-15-073	2	0.4	ERC	N/A	N/A	4,400.00	22,000.00
SC-15-074	0	0	STERC	2015	2015	0.00	0.00
SC-15-075	0	0	STERC	2016	2016	0.00	0.00
SC-15-076	0	0	STERC	2017	2017	0.00	0.00
SC-15-077	0	0	STERC	2018	2018	0.00	0.00
SC-15-078	2	0.4	STERC	2019	9999	3,519.00	17,595.00
SC-15-079	3	0.5	ERC	N/A	N/A	0.00	0.00
SC-15-080	3	0.5	ERC	N/A	N/A	0.00	0.00
SC-15-081	3	0.5	ERC	N/A	N/A	0.00	0.00
SC-15-082	0	0	STERC	2015	2015	0.00	0.00
SC-15-083	0	0	STERC	2016	2016	0.00	0.00
SC-15-084	0	0	STERC	2017	2017	0.00	0.00
SC-15-085	0	0	STERC	2018	2018	0.00	0.00
SC-15-086	0	0	STERC	2019	2019	0.00	0.00
SC-15-087	0	0	STERC	2020	2020	0.00	0.00
SC-15-088	3	0.5	STERC	2021	9999	3,519.00	21,114.00
SC-15-089	3	0.5	ERC	N/A	N/A	4,550.00	27,300.00
SC-15-090	0	0	STERC	2015	2015	0.00	0.00
SC-15-091	0	0	STERC	2016	2016	0.00	0.00
SC-15-092	0	0	STERC	2017	2017	0.00	0.00
SC-15-093	0	0	STERC	2018	2018	0.00	0.00
SC-15-094	0	0	STERC	2019	2019	0.00	0.00
SC-15-095	0	0	STERC	2020	2020	0.00	0.00

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SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-096	3	0.5	STERC	2021	9999	3,519.00	21,114.00
SC-15-097	4	0.7	ERC	N/A	N/A	0.00	0.00
SC-15-098	4	0.7	ERC	N/A	N/A	0.00	0.00
SC-15-099	0	0	STERC	2015	2015	0.00	0.00
SC-15-100	0	0	STERC	2016	2016	0.00	0.00
SC-15-101	0	0	STERC	2017	2017	0.00	0.00
SC-15-102	0	0	STERC	2018	2018	0.00	0.00
SC-15-103	4	0.7	STERC	2019	9999	4,600.00	26,285.71
SC-15-104	5	0.9	STERC	2014	9999	4,600.00	25,555.56
SC-15-105	5	0.9	STERC	2011	9999	6,500.00	36,111.11
SC-15-106	0	0	STERC	2015	2015	0.00	0.00
SC-15-107	0	0	STERC	2016	2016	0.00	0.00
SC-15-108	0	0	STERC	2017	2017	0.00	0.00
SC-15-109	0	0	STERC	2018	2018	0.00	0.00
SC-15-110	0	0	STERC	2019	2019	0.00	0.00
SC-15-111	0	0	STERC	2020	2020	0.00	0.00
SC-15-112	5	0.9	STERC	2021	9999	3,519.00	19,550.00
SC-15-113	0	0	STERC	2015	2015	0.00	0.00
SC-15-114	0	0	STERC	2016	2016	0.00	0.00
SC-15-115	0	0	STERC	2017	2017	0.00	0.00
SC-15-116	0	0	STERC	2018	2018	0.00	0.00
SC-15-117	0	0	STERC	2019	2019	0.00	0.00
SC-15-118	0	0	STERC	2020	2020	0.00	0.00
SC-15-119	5	0.9	STERC	2021	9999	3,519.00	19,550.00
SC-15-120	5	0.9	ERC	N/A	N/A	0.00	0.00
SC-15-121	0	0	STERC	2015	2015	0.00	0.00
SC-15-122	0	0	STERC	2016	2016	0.00	0.00
SC-15-123	6	1.1	STERC	2017	9999	4,200.00	22,909.09
SC-15-124	6	1.1	ERC	N/A	N/A	0.00	0.00
SC-15-125	6	1.1	ERC	N/A	N/A	0.00	0.00
SC-15-126	7	1.3	ERC	N/A	N/A	0.00	0.00
SC-15-127	8	1.5	ERC	N/A	N/A	0.00	0.00
SC-15-128	0	0	STERC	2015	2015	0.00	0.00
SC-15-129	0	0	STERC	2016	2016	0.00	0.00
SC-15-130	0	0	STERC	2017	2017	0.00	0.00
SC-15-131	0	0	STERC	2018	2018	0.00	0.00
SC-15-132	0	0	STERC	2019	2019	0.00	0.00
SC-15-133	0	0	STERC	2020	2020	0.00	0.00
SC-15-134	8	1.5	STERC	2021	9999	3,400.00	18,133.33

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SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-135	0	0	STERC	2015	2015	0.00	0.00
SC-15-136	0	0	STERC	2016	2016	0.00	0.00
SC-15-137	0	0	STERC	2017	2017	0.00	0.00
SC-15-138	0	0	STERC	2018	2018	0.00	0.00
SC-15-139	0	0	STERC	2019	2019	0.00	0.00
SC-15-140	0	0	STERC	2020	2020	0.00	0.00
SC-15-141	8	1.5	STERC	2021	9999	3,990.00	21,280.00
SC-15-142	8	1.5	ERC	N/A	N/A	0.00	0.00
SC-15-143	9	1.6	ERC	N/A	N/A	0.00	0.00
SC-15-144	11	2	ERC	N/A	N/A	0.00	0.00
SC-15-145	12	2.2	ERC	N/A	N/A	0.00	0.00
SC-15-146	14	2.6	ERC	N/A	N/A	4,350.00	23,423.08
SC-15-147	16	2.9	ERC	N/A	N/A	4,600.00	25,379.31
SC-15-148	17	3.1	ERC	N/A	N/A	4,200.00	23,032.26
SC-15-149	19	3.5	ERC	N/A	N/A	4,500.00	24,428.57
SC-15-150	0	0	STERC	2015	2015	0.00	0.00
SC-15-151	0	0	STERC	2016	2016	0.00	0.00
SC-15-152	0	0	STERC	2017	2017	0.00	0.00
SC-15-153	0	0	STERC	2018	2018	0.00	0.00
SC-15-154	19	3.5	STERC	2019	9999	3,000.00	16,285.71
SC-15-155	20	3.7	ERC	N/A	N/A	4,250.00	22,972.97
SC-15-156	25	4.6	ERC	N/A	N/A	0.00	0.00
SC-15-157	38	6.9	ERC	N/A	N/A	4,000.00	22,028.99
SC-15-158	38	6.9	ERC	N/A	N/A	4,000.00	22,028.99
SC-15-159	44	8	ERC	N/A	N/A	0.00	0.00
SC-15-160	0	0	STERC	2015	2015	0.00	0.00
SC-15-161	0	0	STERC	2016	2016	0.00	0.00
SC-15-162	0	0	STERC	2017	2017	0.00	0.00
SC-15-163	0	0	STERC	2018	2018	0.00	0.00
SC-15-164	45	8.2	STERC	2019	9999	3,000.00	16,463.41
SC-15-165	50	9.1	ERC	N/A	N/A	4,000.00	21,978.02
SC-15-166	50	9.1	ERC	N/A	N/A	4,200.00	23,076.92
SC-15-167	50	9.1	ERC	N/A	N/A	0.00	0.00
SC-15-168	55	10	ERC	N/A	N/A	0.00	0.00
SC-15-169	0	0	STERC	2015	2015	0.00	0.00
SC-15-170	0	0	STERC	2016	2016	0.00	0.00
SC-15-171	0	0	STERC	2017	2017	0.00	0.00
SC-15-172	0	0	STERC	2018	2018	0.00	0.00
SC-15-173	0	0	STERC	2019	2019	0.00	0.00

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SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-174	0	0	STERC	2020	2020	0.00	0.00
SC-15-175	57	10.4	STERC	2021	9999	3,400.00	18,634.62
SC-15-176	0	0	STERC	2015	2015	0.00	0.00
SC-15-177	0	0	STERC	2016	2016	0.00	0.00
SC-15-178	0	0	STERC	2017	2017	0.00	0.00
SC-15-179	0	0	STERC	2018	2018	0.00	0.00
SC-15-180	0	0	STERC	2019	2019	0.00	0.00
SC-15-181	0	0	STERC	2020	2020	0.00	0.00
SC-15-182	57	10.4	STERC	2021	9999	3,990.00	21,868.27
SC-15-183	150	27.4	ERC	N/A	N/A	4,200.00	22,992.70
SC-15-184	150	27.4	ERC	N/A	N/A	4,800.00	26,277.37
SC-15-185	213	38.9	ERC	N/A	N/A	2,975.00	16,289.85
Total	1,293	236					
Total with Cost Data	1,023	186.7	Average Cost			3,886.17	21,293.81

Table 2d – SOx Transactions Details

SCAQMD No.	Amount (lb/day)	Amount (ton/year)	Type	Start Year	End Year	Cost (\$/lb/day)	Cost (\$/ton/year)
SC-15-186	20	3.7	ERC	N/A	N/A	0.00	0.00
SC-15-187	26	4.7	ERC	N/A	N/A	0.00	0.00
Total	46	8.4					
Total with Cost Data	0	0	Average Cost			0.00	0.00