

San Joaquin Valley APCD

DRAFT Annual Offset Equivalency Report

Offset Quantity Equivalency

Summary for 08/20/2019 through 08/19/2020

Pollutant	Number of New Major Sources	Number of Federal Major Mods	Offsets		Current Year Excess or Shortfall	Previous	Year-to- Year Adjustment to Carryover Balance	Year-End Total Carryover Excess or Shortfall
			Required under Federal NSR	Required under District NSR		Total Carryover Excess or Shortfall		
NOx	0	7	18.8	26.8	8.0	4,319.9	(1,916.7)	2,411.2
VOC	0	12	50.0	35.0	(15.0)	733.4	(2,518.3)	(1,799.9)
PM10	0	0	0.0	15.1	15.1	837.5	(140.0)	712.6
PM2.5	0	0	0.0	12.4	12.4	377.7	(147.9)	242.2
CO	0	0	0.0	0.0	0.0	198.1	0.0	198.1
SOx	0	0	0.0	8.5	8.5	2,863.6	(1,508.0)	1,364.1

Notes:

- All values are in tons per year

San Joaquin Valley APCD

DRAFT Annual Offset Equivalency Report

Surplus Value Equivalency

Summary for 08/20/2019 through 08/19/2020

Pollutant	Number of New Major Sources	Number of Federal Major Mods	Offsets Required under Federal NSR	Surplus Reductions Used for Equivalency This Year	Current Year Excess or Shortfall	Previous Year-End Total Carry-over Creditable Reductions	Year-to-Year Adjustment to Carryover Balance	Current Year New Creditable Reductions	Year-End Total Carry-over Creditable Reductions
NOx ¹	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
VOC ¹	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
PM10	0	0	0.0	0.0	0.0	1,898.0	(1,359.0)	15.2	554.1
PM2.5	0	0	0.0	0.0	0.0	1,020.0	(794.9)	12.5	237.5
CO	0	0	0.0	0.0	0.0	763.0	0.0	0.0	763.0
SOx	0	0	0.0	0.0	0.0	2,038.0	(1,576.1)	2.3	464.2

Notes:

- All values are in tons per year

¹ Effective September 17, 2020, NOx and VOC were no longer Surplus Value equivalent and Rule 2201 remedy was enacted to require surplus at time-of-use ERCs for projects requiring NOx and VOC offsets under Rule 2201. Therefore, these pollutants are not included in Surplus Value demonstration.

San Joaquin Valley APCD

DRAFT Annual Offset Equivalency Report

Total Adjustments to Offset Quantity Carry-over Balance by Category

Offset Quantity Equivalency

Category	NOx	SOx	PM10	PM2.5	VOC
Adjustments to District Offset Quantity	(2,000.7)	(1,379.4)	(181.2)	(148.7)	(1,472.1)
Adjustments to Federal Offset Quantity	90.5	(128.6)	41.2	0.0	(1,041.5)
Addition of Prior Year Federal Major Modifications	(6.5)	0.0	0.0	0.0	(4.7)
Addition of Prior Year ERCs Reserved/Withdrawn	0.0	0.0	0.0	0.8	0.0
Total Adjustment to Unused Carry-over	(1,916.7)	(1,508.0)	(140.0)	(147.9)	(2,518.3)

Notes:

- All values are in tons per year

San Joaquin Valley APCD

DRAFT Annual Offset Equivalency Report

Total Adjustments to Unused Surplus Carry-over Creditable Reductions by Category

Surplus Value Equivalency

Category	NOx ¹	SOx	PM10	PM2.5	VOC ¹
Removal of Orphan Shutdown Projects	n/a	(338.0)	(1,146.7)	(613.5)	n/a
Removal of Ag Engine Electrification Projects	n/a	(3.0)	(56.8)	(46.8)	n/a
Addition of Prior Year ERCs Reserved/Withdrawn	n/a	0.0	0.0	0.8	n/a
Resurplusing of Prior Year Carry-over	n/a	(665.4)	0.0	0.0	n/a
Adjustments to District Offset Quantity	n/a	(441.1)	(196.7)	(135.3)	n/a
Adjustments to Federal Offset Quantity	n/a	(128.6)	41.2	0.0	n/a
Total Adjustment to Unused Carry-over	n/a	(1,576.1)	(1,359.0)	(794.9)	n/a

Notes:

- All values are in tons per year

¹ Effective September 17, 2020, NOx and VOC were no longer Surplus Value equivalent and Rule 2201 remedy was enacted to require surplus at time-of-use ERCs for projects requiring NOx and VOC offsets under Rule 2201. Therefore, these pollutants are not included in Surplus Value demonstration.

San Joaquin Valley APCD

DRAFT Annual Offset Equivalency Report

2019-20 New Surplus Reduction Summary

Category	NOx ¹	SOx	PM10	PM2.5	VOC ¹
ERC Reserved/Withdrawn	n/a	2.3	15.1	12.4	n/a
ERCs Surrendered	n/a	0.0	0.0	0.0	n/a
ERCs Newly Issued (AQID)	n/a	0.0	0.1	0.1	n/a
Orphan Shutdowns	n/a	0.0	0.0	0.0	n/a
BACT on Minor Sources	n/a	0.0	0.0	0.0	n/a
Total	n/a	2.3	15.2	12.5	n/a

Notes:

- All values are in tons per year

¹ Effective September 17, 2020, NOx and VOC were no longer Surplus Value equivalent and Rule 2201 remedy was enacted to require surplus at time-of-use ERCs for projects requiring NOx and VOC offsets under Rule 2201. Therefore, these pollutants are not included in Surplus Value demonstration.