

**4.2 Updated Proposed Framework of Regional Emissions Analysis for SCAG's Connect SoCal  
March 26, 2019**

Table 1. South Central Coast Air Basin - Ventura County Portion  
2008 and 2015 8-hour Ozone NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2020	2026	2035	2045
Purpose	Attainment Year under 2008 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2008 Ventura County 2008 Ozone NAAQS Early Progress Plan, Year 2009 Budgets)	ROG: 13 NOx: 19	ROG: 13 NOx: 20	ROG: 13 NOx: 21	ROG: 13 NOx: 22

Table 1a. South Central Coast Air Basin - Ventura County Portion  
2008 and 2015 8-hour Ozone NAAQS (Budgets pending U.S. EPA Approval, Tons per Day)

Modeling Year	2020	2026	2035	2045
Purpose	Attainment Year under 2008 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2016 Ventura County AQMP, 2008 Ozone NAAQS Year 2020 Budgets)	ROG: 5 NOx: 7	ROG: 5 NOx: 7	ROG: 5 NOx: 7	ROG: 5 NOx: 7

Table 2. South Coast Air Basin

1997, 2006, and 2012 PM<sub>2.5</sub> NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2021	2025	2035	2045
Purpose	Attainment Year under 2012 PM <sub>2.5</sub> NAAQS - Moderate	Attainment Year under 2012 PM <sub>2.5</sub> NAAQS - Serious	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2016 South Coast AQMP, 2006 24-hour PM <sub>2.5</sub> NAAQS Year 2019 Budgets)	PM <sub>2.5</sub> : 20 ROG: 83 NOx: 169	PM <sub>2.5</sub> : 20 ROG: 83 NOx: 169	PM <sub>2.5</sub> : 20 ROG: 83 NOx: 169	PM <sub>2.5</sub> : 20 ROG: 83 NOx: 169

Table 2a. South Coast Air Basin

1997, 2006, and 2012 PM<sub>2.5</sub> NAAQS (Budgets pending U.S. EPA Approval, Tons per Day)

Modeling Year	2021	2022	2025	2035	2045
Purpose	Attainment Year under 2012 PM <sub>2.5</sub> NAAQS - Moderate	Budget Year	Attainment Year under 2012 PM <sub>2.5</sub> NAAQS - Serious	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Interpolation	Model	Model	Model
Budgets (2016 South Coast AQMP, 2012 Annual PM <sub>2.5</sub> NAAQS Years 2019, 2022, and 2025 Budgets)	PM <sub>2.5</sub> : 20 ROG: 83 NOx: 169	PM <sub>2.5</sub> : 20 ROG: 69 NOx: 127	PM <sub>2.5</sub> : 20 ROG: 59 NOx: 87	PM <sub>2.5</sub> : 20 ROG: 59 NOx: 87	PM <sub>2.5</sub> : 20 ROG: 59 NOx: 87

Table 3. South Coast Air Basin

1997 24-hour PM<sub>10</sub> NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2020	2030	2035	2045
Purpose	Budget Year	Budget Year	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2009 South Coast PM <sub>10</sub> Maintenance Plan, Years 2020 and 2030 Budgets)	PM <sub>10</sub> : 164 ROG: 110 NOx: 180	PM <sub>10</sub> : 175 ROG: 81 NOx: 116	PM <sub>10</sub> : 175 ROG: 81 NOx: 116	PM <sub>10</sub> : 175 ROG: 81 NOx: 116

Table 4. South Coast Air Basin

1994 CO NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2020	2030	2035	2045
Purpose	Budget Year	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2007 South Coast AQMP/CO Maintenance Plan, Year 2020 Budget)	CO: 2,137	CO: 2,137	CO: 2,137	CO: 2,137

Table 5. South Coast Air Basin - Morongo, Pechanga, and SCAB excluding Morongo and Pechanga Nonattainment Areas  
2008 and 2015 8-hour Ozone NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2020	2023	2026	2031	2037	2045
Purpose	Attainment Year under 2008 Ozone NAAQS - Serious and 2015 Ozone NAAQS - Marginal	Budget Year under 1997 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS - Serious	Attainment Year under 2008 Ozone NAAQS - Extreme	Attainment Year under 2015 Ozone NAAQS - Extreme	Planning Horizon Year
Model/Interpolation	Model	Interpolation	Model	Model	Model	Model
Budgets (2011 South Coast 1997 Ozone NAAQS SIP Revision, 1997 Ozone NAAQS Years 2020 and 2023 SCAB Budgets)	ROG: 108 NOx: 185	ROG: 99 NOx: 140	ROG: 99 NOx: 140	ROG: 99 NOx: 140	ROG: 99 NOx: 140	ROG: 99 NOx: 140

Table 5a. South Coast Air Basin - Morongo, Pechanga, and SCAB excluding Morongo and Pechanga Nonattainment Areas  
2008 and 2015 8-hour Ozone NAAQS (Budgets pending U.S. EPA Approval, Tons per Day)

Modeling Year	2020	2023	2026	2029	2031	2037	2045
Purpose	Attainment Year under 2008 Ozone NAAQS - Serious and 2015 Ozone NAAQS - Marginal	RFP Budget Year	Attainment Year under 2015 Ozone NAAQS - Serious	RFP Budget Year	Attainment Year under 2008 Ozone NAAQS - Extreme	Attainment Year under 2015 Ozone NAAQS - Extreme	Planning Horizon Year
Model/Interpolation	Model	Interpolation	Model	Interpolation	Model	Model	Model
Budgets (2018 Update to California 2008 Ozone NAAQS SIP, 2008 Ozone NAAQS Years 2020, 2023, 2026, 2029, and 2031 SCAB Budgets)	ROG: 80 NOx: 141	ROG: 68 NOx: 89	ROG: 60 NOx: 77	ROG: 54 NOx: 69	ROG: 50 NOx: 66	ROG: 50 NOx: 66	ROG: 50 NOx: 66

Table 6. Western Mojave Desert Air Basin - Antelope Valley Portion of Los Angeles County and San Bernardino County Portion of WMDAB 2008 and 2015 8-hour Ozone NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2026	2032	2035	2045
Purpose	Attainment Year under 2008 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2008 8-hour Ozone Early Progress Plan, 1997 Ozone NAAQS Year 2009 Budgets)	ROG: 22 NOx: 77	ROG: 22 NOx: 77	ROG: 22 NOx: 77	ROG: 22 NOx: 77

Table 6a. Western Mojave Desert Air Basin - Antelope Valley Portion of Los Angeles County and San Bernardino County Portion of WMDAB 2008 and 2015 8-hour Ozone NAAQS (Budgets pending U.S. EPA Approval, Tons per Day)

Modeling Year	2020	2023	2026	2032	2035	2045
Purpose	RFP Budget Year	RFP Budget Year	Attainment Year under 2008 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Interpolation	Model	Model	Model	Model
Budgets (2018 Updates to California 2008 Ozone SIP, 2008 Ozone NAAQS Years 2020, 2023, and 2026 Budgets)	ROG: 7.9 NOx: 17.6	ROG: 6.8 NOx: 11.0	ROG: 6.2 NOx: 10.2	ROG: 6.2 NOx: 10.2	ROG: 6.2 NOx: 10.2	ROG: 6.2 NOx: 10.2

Table 7. Mojave Desert Air Basin - San Bernardino County Portion excluding Searles Valley  
 1997 24-hour PM<sub>10</sub> NAAQS (No Currently Approved Budgets)

Modeling Year	2020	2025	2035	2045
Purpose	Milestone Year to Satisfy within First Five Years	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Build/No-Build Test	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>

Table 8. Mojave Desert Air Basin - Searles Valley Portion  
 1997 24-hour PM<sub>10</sub> NAAQS (No Currently Approved Budgets)

Modeling Year	2020	2025	2035	2045
Purpose	Milestone Year to Satisfy within First Five Years	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Build/No-Build Test	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>

Table 9. Salton Sea Air Basin - Coachella Valley Portion  
 2008 and 2015 8-hour Ozone NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2026	2032	2035	2045
Purpose	Attainment Year under 2008 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2008 8-hour Ozone Early Progress Plan, 1997 Ozone NAAQS Year 2012 Budgets)	ROG: 7 NOx: 26	ROG: 7 NOx: 26	ROG: 7 NOx: 26	ROG: 7 NOx: 26

Table 9a. Salton Sea Air Basin - Coachella Valley Portion  
 2008 and 2015 8-hour Ozone NAAQS (Budgets pending U.S. EPA Approval, Tons per Day)

Modeling Year	2020	2023	2026	2032	2035	2045
Purpose	RFP Budget Year	RFP Budget Year	Attainment Year under 2008 Ozone NAAQS	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Interpolation	Model	Model	Model	Model
Budgets (2018 Updates to California 2008 Ozone SIP, 2008 Ozone NAAQS Years 2020, 2023, and 2026 Budgets)	ROG: 3.7 NOx: 8.4	ROG: 3.3 NOx: 4.6	ROG: 3.0 NOx: 4.2	ROG: 3.0 NOx: 4.2	ROG: 3.0 NOx: 4.2	ROG: 3.0 NOx: 4.2

Table 10. Salton Sea Air Basin - Coachella Valley Portion  
 1997 24-hour PM<sub>10</sub> NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2025	2035	2045
Purpose	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model
Budgets (2003 Coachella Valley PM <sub>10</sub> SIP, Year 2006 Budget)	PM <sub>10</sub> : 10.9	PM <sub>10</sub> : 10.9	PM <sub>10</sub> : 10.9

Table 11. Salton Sea Air Basin - Imperial County Portion  
 2008 and 2015 8-hour Ozone NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2020	2025	2035	2045
Purpose	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2008 Imperial County 2008 8-hour Ozone Early Progress Plan, Year 2009 Budgets)	ROG: 7 NOx: 17	ROG: 7 NOx: 17	ROG: 7 NOx: 17	ROG: 7 NOx: 17

Table 11a. Salton Sea Air Basin - Imperial County Portion  
 2008 and 2015 8-hour Ozone NAAQS (Currently Approved Budgets, Tons per Day)

Modeling Year	2020	2025	2035	2045
Purpose	Attainment Year under 2015 Ozone NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (2017 Imperial County 2008 Ozone NAAQS SIP, Year 2017 Budgets)	ROG: 4 NOx: 7	ROG: 4 NOx: 7	ROG: 4 NOx: 7	ROG: 4 NOx: 7

Table 12. Salton Sea Air Basin - Imperial County Portion  
 2006 and 2012 PM<sub>2.5</sub> NAAQS (No Approved Budgets)

Modeling Year	2020	2025	2035	2045
Purpose	Milestone Year to Satisfy within First Five Years	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Build/No-Build Test	PM <sub>2.5</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub>	PM <sub>2.5</sub>

Table 12a. Salton Sea Air Basin - Imperial County Portion  
 2006 and 2012 PM<sub>2.5</sub> NAAQS (Budgets pending U.S. EPA Approval)

Modeling Year	2021	2025	2035	2045
Purpose	Attainment Year under 2012 PM <sub>2.5</sub> NAAQS	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation		Model	Model	Model
2018 Imperial County 2012 PM <sub>2.5</sub> NAAQS SIP, Years 2019 and 2022 Budgets	PM <sub>2.5</sub> : 1.8	PM <sub>2.5</sub> : 1.7	PM <sub>2.5</sub> : 1.7	PM <sub>2.5</sub> : 1.7

Table 13. Salton Sea Air Basin - Imperial County Portion  
 1997 24-hour PM<sub>10</sub> NAAQS (No Currently Approved Budgets)

Modeling Year	2020	2025	2035	2045
Purpose	Milestone Year to Satisfy within First Five Years	Milestone Year to Satisfy No More Than 10 Years Apart	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Build/No-Build Test	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>	PM <sub>10</sub>

Table 13a. Salton Sea Air Basin - Imperial County Portion  
 1997 24-hour PM<sub>10</sub> NAAQS (Budgets pending U.S. EPA Approval, Tons per Day)

Modeling Year	2020	2030	2035	2045
Purpose	Milestone Year to Satisfy No More Than 10 Years Apart	Last Year of Maintenance Plan	Milestone Year to Satisfy No More Than 10 Years Apart	Planning Horizon Year
Model/Interpolation	Model	Model	Model	Model
Budgets (Imperial County 2018 PM <sub>10</sub> Maintenance Plan, Years 2016 and 2030 Budgets)	PM <sub>10</sub> : 20	PM <sub>10</sub> : 19	PM <sub>10</sub> : 19	PM <sub>10</sub> : 19