

Energy Division Data Request No. 20, Request for Clarifications: Updated Air Quality Emissions Calculations for the proposed project, 230kV substation alternative, and 69kV underground alternative.

Construction emissions for the proposed project have been updated to reflect the revised construction start date of January 2016.

Salt Creek Substation (proposed project) - Construction Air Emissions

Emissions Source	Pollutant (pounds per day)					
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
2016						
Uncontrolled Emissions	34.58	139.42	198.14	0.47	159.94	39.37
Controlled Emissions ¹	34.58	139.42	198.14	0.47	18.58	9.68
SDAPCD Thresholds	75	550	250	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No
2017						
Uncontrolled Emissions	16.13	69.95	106.07	0.25	4.61	3.75
Controlled Emissions ¹	16.13	69.95	106.07	0.25	4.61	3.75
SDCAPCD Thresholds	75	550	250	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No

ROG = reactive organic gases; NO_x = nitrogen oxides; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter, up to 10 microns; PM_{2.5} = particulate matter, up to 2.5 microns

Notes:

1. Controlled emissions calculated assuming standard fugitive dust control measures, including watering the site three times daily, as SDG&E's construction restrictions require.

Air Quality information provided below is based on hypothetical project schedules and very preliminary project planning for project alternatives. These alternatives have not been designed.

Construction emissions for the 230kV Substation were based on a construction start date of January 2016 and 24 month project schedule.

230 kV Substation Alternative - Construction Air Emissions

Emissions Source	Pollutant (pounds per day)					
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
2016						
Uncontrolled Emissions	44.39	181.23	244.75	0.60	162.49	39.68
Controlled Emissions ¹	44.39	181.23	244.75	0.60	21.13	10.00
SDAPCD Thresholds	75	550	250	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No
2017						
Uncontrolled Emissions	7.74	36.43	51.35	0.12	2.39	1.05
Controlled Emissions ¹	7.74	36.43	51.35	0.12	2.39	1.05
SDCAPCD Thresholds	75	550	250	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No

ROG = reactive organic gases; NO_x = nitrogen oxides; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter, up to 10 microns; PM_{2.5} = particulate matter, up to 2.5 microns

Notes:

- Controlled emissions calculated assuming standard fugitive dust control measures, including watering the site three times daily, as SDG&E's construction restrictions require.

Construction emissions for the underground alternative were based on a construction start date of January 2016.

Underground Alternative - Construction Air Emissions

Emissions Source	Pollutant (pounds per day)					
	ROG	CO	NO _x	SO _x	PM ₁₀	PM _{2.5}
2016						
Uncontrolled Emissions	32.80	140.19	212.99	0.50	162.69	40.06
Controlled Emissions ¹	32.80	140.19	212.99	0.50	18.98	9.88
SDAPCD Thresholds	75	550	250	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No
2017						
Uncontrolled Emissions	21.73	99.21	155.95	0.37	25.59	9.37
Controlled Emissions ¹	21.73	99.21	155.95	0.37	8.19	5.72
SDCAPCD Thresholds	75	550	250	250	100	55
Is Threshold Exceeded?	No	No	No	No	No	No

ROG = reactive organic gases; NO_x = nitrogen oxides; CO = carbon monoxide; SO_x = sulfur oxides; PM₁₀ = particulate matter, up to 10 microns; PM_{2.5} = particulate matter, up to 2.5 microns

Notes:

1. Controlled emissions calculated assuming standard fugitive dust control measures, including watering the site three times daily, as SDG&E's construction restrictions require.