

Appendix R

Data Supporting Volumes III and IV

Appendix R1.2

Air Quality

This appendix presents a table showing estimated construction phase air pollutant emissions for existing renewable energy projects within the Plan Area.

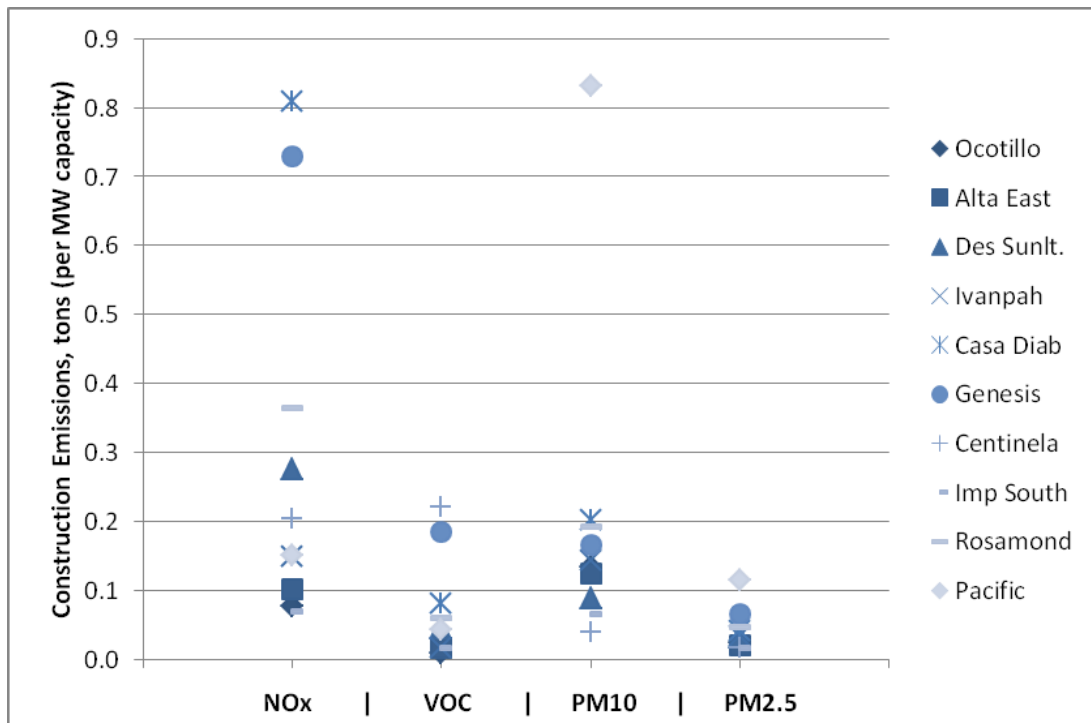
Appendix R1.2 Air Quality

R1.2-1 Existing Projects' Construction-Phase Air Pollutant Emissions

Project	Technology Type	County	MW	Ac.	Total Const. (tons NO _x)	Total Const. (tons VOC)	Total Const. (tons PM ₁₀)	Total Const. (ton PM _{2.5})
Ocotillo Express Wind	Wind	Imperial	315	12,436	24.01	3.08	42.11	7.75
Alta East Wind	Wind	Kern	300	2,592	30.34	4.88	37.51	6.29
Desert Sunlight Solar Farm	Solar PV	Riv	550	4,144	151.78	24.63	48.56	17.33
Ivanpah Solar Electric Generating	Solar Power Tower	San Bern	390	3,471	58	6.8	56	13
Casa Diablo ¹	Geothermal	Mono	33	17	26.67	2.67	6.67	1.33
Genesis NextEra	Solar Trough	Riv	250	1,950	182.2	46.13	41.49	16.28
Centinela Solar	Solar PV	Imperial	170	2,067	34.7	37.61	6.58	2.75
Imperial Solar Energy Center South	Solar PV	Imperial	130	946	8.93	2.18	8.65	2.06
Rosamond I and II	Solar PV	Kern	40	480	14.6	2.4	7.7	1.9
Pacific Wind Energy	Wind	Kern	140	8,300	21.11	5.91	116.37	16.16
Average Construction Emissions (ton) per MW Capacity					Average (NO_x ton)	Average (VOC ton)	Average (PM₁₀ ton)	Average (PM_{2.5} ton)
Sum of Capacity (MW):			2,318		0.29 per MW	0.07 per MW	0.20 per MW	0.04 per MW

¹Not a baseline project.

Construction-Phase Emissions, tons (per MW Capacity)



References for Appendix R1.2-1 and Appendix R1.3-1: Existing Projects' Emissions:

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