

Southern California Edison
A.19-07-015 – TLRR IC

DATA REQUEST SET E D - S C E - 2 0 _ Q X

To: Energy Division
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Job Title: Advisor
Received Date: 12/3/2024

Response Date: 12/13/2024

Question 20-1:

20-1: Air Quality Modeling

In the 2020 PEA, SCE used the California Emissions Estimator Model (CalEEMod) for air emissions estimates. These calculations are complex, and after our team's review, we have planned to use them as the basis of the EIR impact analysis rather than re-running the model ourselves.

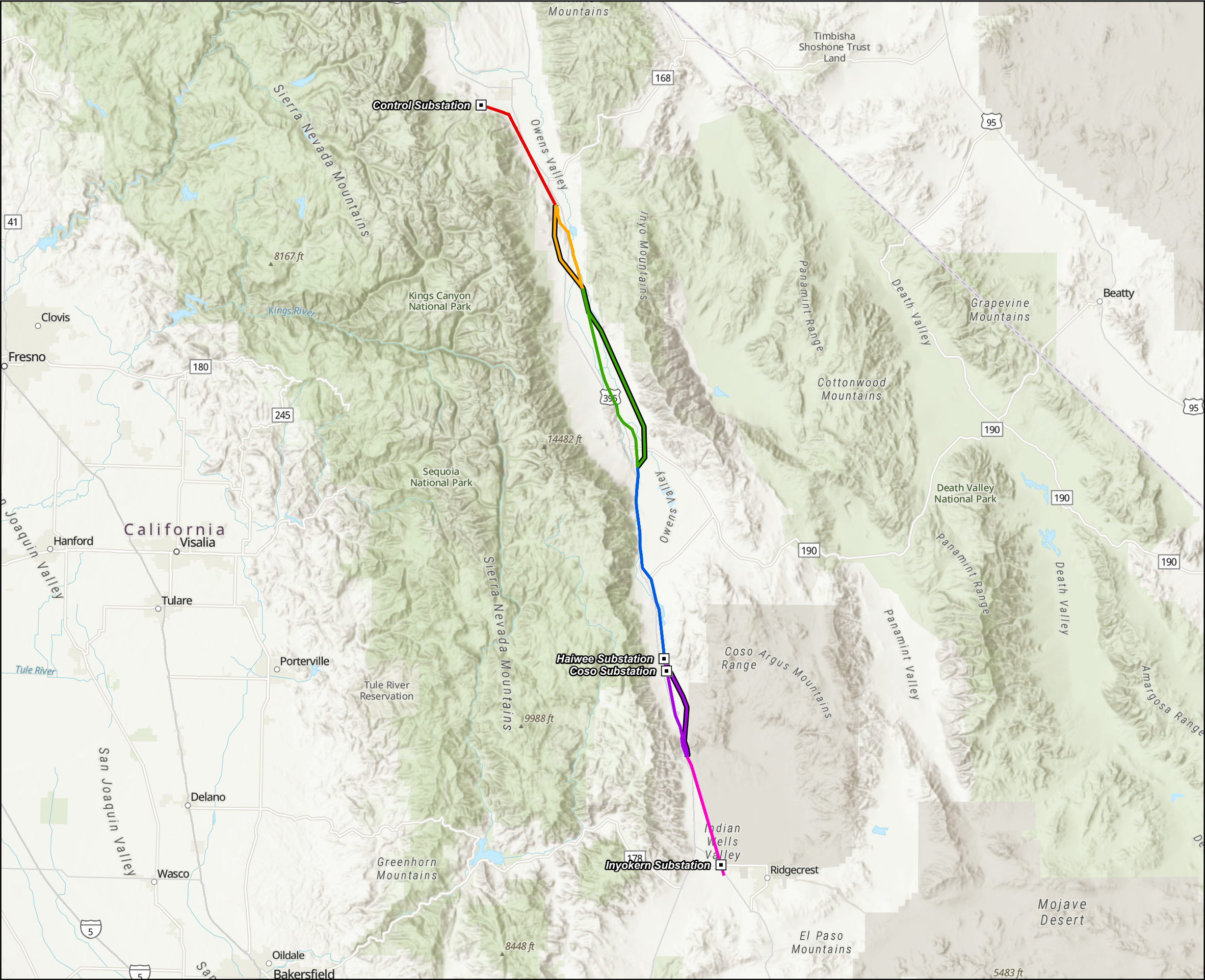
However, because the PEA is now 4.5 years old, new versions of CalEEMod have been released, with the most recent version being Version 2022.1.

In addition, the model is now run in an online platform (rather than the older desktop application) and the old model files cannot be uploaded and edited in the new online version of the model. As a result, we are not able to make changes to the PEA calculations in order to get data reflective of the Segment 4 elimination. In addition, the consultant legal team is suggesting that using older version of the model may not be acceptable.

As a result, we request that SCE revise the calculations using the newest version of CalEEMod (Version 2022.1) and the new project parameters.

Response to Question 20-1: SCE revised the air quality calculations using CalEEMod Version 2022.1. The revised air quality calculations also exclude Segment 4. Please see the attached files: A.19-070-15_ED-SCE-20_Q1_Air Quality_Figure_1.PDF and A.19-07-015_ED-SCE-20-QX.ZIP

T:_ENVISCEISCE_TLLR\ArcGIS_Pro\IC\Projects\CEW tables 2024-03\CEW tables 2024-03.aprx\Figure 1 - Alignment segments • 12/10/2024 • CMHickma





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LEGEND

-  Substation
- Proposed Project Segments
-  Segment 1A

 Segment 1B

 Segment 1C

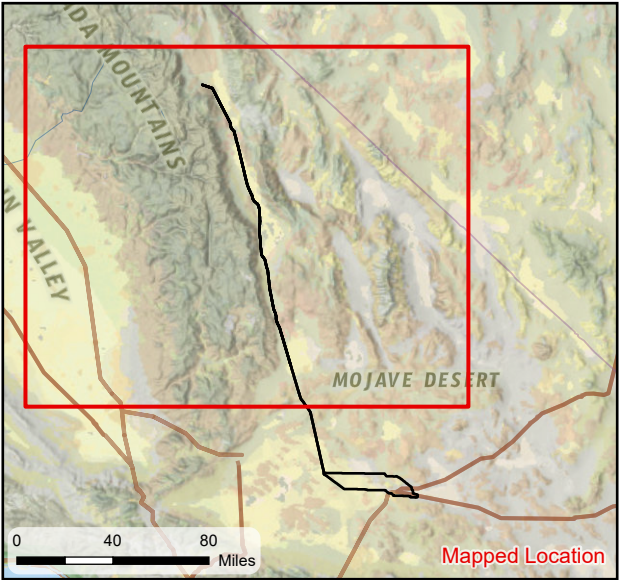
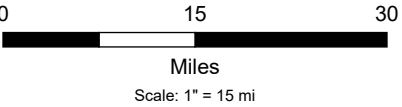
 Segment 1D

 Segment 1E

 Segment 1F
- Alternative Alignment Segments
-  Segment 1B (Crater Mountain)

 Segment 1C (Manzanar)

 Segment 1E (Fossil Falls)



Transmission Line Rating Remediation Project

Ivanpah-Control Project
Alignment Segments



Emissions Summary - All Segments

	YEAR	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total	CO2e
1A	2025	0.58	1.70	5.41	0.02	3.84	0.45	1359
	2026	0.05	0.37	0.94	0.00	1.29	0.14	286
	2027	0.00	0.04	0.16	0.00	0.24	0.03	43
1B Proposed	2025	0.38	1.13	3.57	0.01	2.68	0.31	907
	2026	0.05	0.33	0.79	0.00	0.52	0.06	214
	2027	0.00	0.01	0.05	0.00	0.04	0.00	11
1B Crater	2025	0.51	1.21	4.06	0.01	2.96	0.35	1014
	2026	0.02	0.12	0.41	0.00	0.84	0.09	140
	2027	0.01	0.05	0.22	0.00	0.32	0.04	60
1C Proposed	2025	0.62	1.89	4.83	0.02	3.53	0.42	1302
	2026	0.07	0.55	2.33	0.01	1.41	0.16	529
	2027	0.00	0.01	0.08	0.00	0.06	0.01	15
1C Manzanar	2025	1.05	2.05	6.41	0.02	3.50	0.44	1575
	2026	0.04	0.34	1.90	0.00	1.31	0.14	404
	2027	0.00	0.01	0.05	0.00	0.04	0.00	11
1D	2025	0.74	1.57	3.71	0.02	2.05	0.27	1006
	2026	0.12	0.94	4.61	0.01	2.70	0.30	998
	2027	0.00	0.02	0.14	0.00	0.04	0.01	26
1E Proposed	2025	0.37	0.84	1.83	0.01	1.53	0.19	541
	2026	0.09	0.67	2.86	0.01	2.29	0.26	686
	2027	0.01	0.06	0.23	0.00	0.39	0.04	68
1E Fossil Falls	2025	0.53	0.96	2.36	0.01	1.74	0.22	658
	2026	0.07	0.51	2.54	0.01	2.12	0.24	595
	2027	0.01	0.07	0.29	0.00	0.44	0.05	82
1F	2025	0.17	1.02	1.92	0.01	1.77	0.21	607
	2026	0.40	0.78	3.15	0.01	3.11	0.36	809
	2027	0.03	0.24	1.07	0.00	1.24	0.13	264
2	2025	0.38	2.34	2.53	0.02	3.19	0.39	1044
	2026	0.89	0.88	4.27	0.01	2.76	0.34	1014
	2027	0.15	1.15	6.84	0.01	4.69	0.52	1472
3N	2025	0.04	0.27	0.74	0.00	0.99	0.11	221
	2026	0.80	0.73	3.46	0.01	2.24	0.27	832
	2027	0.04	0.28	1.21	0.00	1.39	0.15	314
3S	2025	0.05	0.28	0.84	0.00	0.91	0.10	234
	2026	0.81	0.77	3.77	0.01	2.42	0.29	897
	2027	0.03	0.23	1.22	0.00	1.37	0.15	309

Great Basin (proposed)	MAX	2.86	7.54	21	0.077	14.9	1.79	5436
Kern County	MAX	0.71	1.85	5.52	0.015	4.36	0.5	1265
Mojave Desert	MAX	2.04	2.60	10.5	0.033	6.87	0.8	2423