

2020 Union Pacific South Coast Fleet Average- Form F-A-1 Summary

(1) Line No.	(2) Count of Locomotives	Sum of WMTR MWHR	(3) CL (g/bhphr)	(4) Average Adj. to CL (g/bhphr)	(5) Average EL (g/bhphr)	(6) Average MWhr per Locomotive	(7) Total Weighted MWhr	EPA Tier*	% MW-hrs by Tier	% locos by Tier			
1	169	10,268	1.1	0.02	1.1	60.8	11,088	4	5.9%	5.4%			
2	80	300	1.3	0.00	1.3	3.8	391						
3	1	23	5.0	0.00	5.0	22.6	112						
Subtotal	250	10,591					11,591						
4	4	31	1.2	0.146	1.054	7.650	32	3	16.3%	19.3%			
5	2	25	2.1	0.149	1.952	12.410	48						
6	1	6	4.2	0.13	4.1	6.4	26						
7	2	23	4.5	0.00	4.5	11.7	105						
8	39	240	4.6	0.145	4.454	6.149	1,068						
9	7	97	4.7	0.08	4.6	13.9	445						
10	291	19,026	4.9	0.15	4.8	65.4	90,431						
11	41	2,323	5.0	0.019	5.0	56.7	11,593						
12	7	41	5.3	0.09	5.2	5.8	212						
13	112	437	5.4	0.054	5.346	3.898	2,335						
14	380	6,838	5.5	0.157	5.343	17.996	36,499						
Subtotal	886	29,087					142,796						
15	3	160	3.0	0.17	2.8	53.5	454				2	29.3%	28.8%
16	4	48	4.0	0.15	3.9	11.9	183						
17	27	184	4.6	0.105	4.495	6.807	824						
18	131	8,715	4.7	0.15	4.5	66.5	39,577						
19	7	58	4.8	0.14	4.7	8.2	269						
20	8	57	4.9	0.111	4.789	7.133	274						
21	51	579	5.0	0.085	4.9	11.4	2,784						
22	5	26	5.1	0.058	5.042	5.274	133						
23	20	138	5.3	0.091	5.209	6.876	715						
24	130	2,791	5.4	0.158	5.242	21.467	14,616						
25	940	39,417	5.5	0.143	5.357	41.933	211,234						
Subtotal	1,326	52,172					271,063						
26	1	4	4.6	0.00	4.6	4.2	19	1	37.9%	33.6%			
27	1	4	5.5	0.20	5.3	3.7	20						
28	27	161	6.0	0.17	5.8	6.0	940						
29	136	8,630	6.5	0.20	6.3	63.5	54,389						
30	8	90	6.7	0.02	6.7	11.2	599						
31	3	83	6.8	0.20	6.6	27.7	549						
32	3	15	6.9	0.21	6.7	4.8	97						
33	65	1,655	7.3	0.21	7.1	25.5	11,731						
34	1,212	52,405	7.4	0.197	7.203	43.239	377,578						
35	90	4,579	9.0	0.269	8.731	50.873	39,974						
Subtotal	1,546	67,626					485,897						
36	1	4	6.7	0.20	6.5	4.5	29	0	10.4%	12.7%			
37	39	837	7.2	0.22	7.0	21.5	5,845						
38	31	534	7.8	0.265	7.535	17.215	4,037						
39	33	1,289	7.9	0.26	7.6	39.0	9,744						
40	165	3,851	8.0	0.22	7.8	23.3	29,802						
41	2	12	8.6	0.00	8.6	6.1	105						
42	1	2	8.7	0.23	8.5	2.0	17						
43	244	10,559	9.0	0.25	8.8	43.3	92,351						
44	3	108	9.2	0.55	8.6	36.0	934						
45	52	1,200	9.5	0.31	9.2	23.1	10,950						
46	1	0	10.7	0.64	10.1	0.3	3						
47	1	0	10.8	0.65	10.2	0.3	3						
48	2	5	10.9	0.33	10.6	2.4	52						
49	5	100	11.0	0.66	10.3	20.0	1,034						
50	4	26	11.2	0.67	10.5	6.4	269						
Subtotal	584	18,528					155,175						
51	1	4	8.6	0.00	8.6	3.7	32	N	0.1%	0.2%			
52	3	77	13.0	0.52	12.5	25.6	949						
53	3	5	13.1	0.000	13.100	1.823	72						
54	3	140	16.7	0.00	16.7	46.7	2,341						
Subtotal	10	226					3,393						
Total	4,602	178,230					1,069,914		100.0%	100.0%			
						Fleet Average	6.00						

* EPA Tier categorization is based upon Certification of Conformity for engine families granted under 40 CFR Parts 92, 1033, including switch locomotives not certified under line-haul standards and use of ABT credits for some Tier 1 locomotives.