

2018 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	170	9,835	1.1	0.02	1.1	57.9	10,630	4	4.1%	3.4%			
2	75	383	1.3	0.00	1.3	5.1	498						
Subtotal	245	10,218					11,128						
3	2	16	4.2	0.13	4.1	8.2	66	3	20.5%	13.3%			
4	44	310	4.6	0.14	4.5	7.1	1,380						
5	1	3	4.7	0.14	4.6	3.3	15						
6	14	127	4.8	0.10	4.7	9.0	594						
7	294	18,687	4.9	0.15	4.8	63.6	88,818						
8	35	2,635	5.0	0.01	5.0	75.3	13,158						
9	21	157	5.3	0.04	5.3	7.5	822						
10	107	6,427	5.4	0.06	5.3	60.1	34,404						
11	435	22,995	5.5	0.14	5.4	52.9	122,826						
Subtotal	953	51,357					262,083						
12	32	1,544	3.0	0.17	2.8	48.3	4,373				ULEL	0.6%	0.4%
Subtotal	32	1,544					4,373						
13	52	334	4.6	0.08	4.5	6.4	1,509	2	26.0%	22.1%			
14	129	5,712	4.7	0.14	4.6	44.3	25,944						
15	13	100	4.8	0.11	4.7	7.7	466						
16	21	144	4.9	0.13	4.8	6.9	691						
17	43	1,506	5.0	0.10	4.9	35.0	7,145						
18	30	226	5.1	0.03	5.1	7.5	1,142						
19	2	37	5.2	0.16	5.0	18.5	187						
20	39	241	5.3	0.10	5.2	6.2	1,252						
21	95	4,305	5.4	0.16	5.2	45.3	22,567						
22	1,149	52,382	5.5	0.14	5.4	45.6	280,202						
23	4	26	6.7	0.05	6.6	6.6	176						
24	1	6	7.4	0.00	7.4	5.8	43						
25	1	6	8.6	0.00	8.6	5.5	48						
26	3	192	9.5	0.16	9.3	64.0	1,793						
Subtotal	1,582	65,216					343,165						
27	1	6	5.1	0.15	4.9	5.9	29	1	28.4%	34.0%			
28	5	29	5.4	0.10	5.3	5.9	155						
29	60	404	6.0	0.16	5.8	6.7	2,359						
30	2	29	6.2	0.19	6.0	14.3	172						
31	4	54	6.5	0.20	6.3	13.6	343						
32	5	53	6.6	0.08	6.5	10.7	349						
33	53	472	6.7	0.03	6.7	8.9	3,145						
34	3	54	6.8	0.20	6.6	18.1	359						
35	19	250	6.9	0.19	6.7	13.1	1,672						
36	143	3,930	7.3	0.21	7.1	27.5	27,862						
37	2,009	61,553	7.4	0.20	7.2	30.6	443,233						
38	3	30	7.6	0.16	7.4	9.9	220						
39	3	26	8.1	0.23	7.9	8.8	207						
40	5	44	8.6	0.15	8.4	8.8	374						
41	107	3,999	9.0	0.27	8.7	37.4	34,918						
42	11	273	9.5	0.20	9.3	24.9	2,541						
Subtotal	2,433	71,208					517,937						
43	3	21	5.5	0.00	5.5	6.9	114	0	20.1%	25.4%			
44	1	2	5.8	0.17	5.6	2.4	14						
45	10	63	6.7	0.02	6.7	6.3	417						
46	1	6	6.8	0.00	6.8	5.5	38						
47	1	2	7.2	0.22	7.0	2.1	15						
48	2	25	7.4	0.11	7.3	12.7	183						
49	5	51	7.5	0.32	7.2	10.3	365						
50	1	4	7.6	0.23	7.4	3.9	29						
51	45	1,092	7.8	0.22	7.6	24.3	8,289						
52	61	2,359	7.9	0.25	7.7	38.7	17,904						
53	528	16,039	8.0	0.23	7.8	30.4	124,425						
54	1	6	8.2	0.00	8.2	5.7	47						
55	1	11	8.4	0.25	8.1	10.8	88						
56	17	119	8.6	0.11	8.5	7.0	1,000						
57	128	1,936	8.7	0.33	8.4	15.1	16,142						
58	4	41	8.8	0.13	8.7	10.3	357						
59	1	106	8.9	0.53	8.4	105.7	884						
60	620	17,609	9.0	0.24	8.8	28.4	154,140						
61	2	63	9.2	0.28	8.9	31.6	552						
62	367	10,789.0	9.5	0.24	9.3	29.4	99,693						
63	1	5	10.9	0.65	10.2	4.9	51						
64	7	18	11.8	0.61	11.2	2.5	196						
65	4	5	13.1	0.00	13.1	1.2	64						
66	3	66	14.0	0.48	13.5	21.9	890						
Subtotal	1,814	50,436					425,883						
67	15	164	5.0	0.05	5	10.9	800	N	0.4%	1.3%			
68	1	57	5.3	0.00	5	56.6	300						
69	5	29	6.7	0.00	7	5.9	196						
70	13	89	8.6	0.00	9	6.8	762						
71	1	6	9.0	0.27	9	5.5	48						
72	53	633	13.0	0.33	13	12.0	8,021						
73	5	17	13.1	0.00	13.1	3.3	218						
74	1	0	16.7	0.00	17	0.4	7						
Subtotal	94	995					10,353						
Total	7,153	250,973					1,574,922		100.0%	100.0%			
Fleet Average							6.28						

* 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.