

### 2021 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	11778.16	1.1	0.02	1.08	69.69	12715.64	4	6%	5%
2	78	173.755	1.3	0.00	1.30	2.23	225.88			
<b>Subtotal</b>	<b>247</b>	<b>11951.92</b>					<b>12941.52</b>			
3	1	2.17	4	0.15	3.85	2.17	8.35	3	16%	20%
4	3	21.64	4.5	0.00	4.50	7.21	97.38			
5	97	843.05	4.6	0.11	4.49	8.69	3797.68			
6	10	100.533	4.7	0.06	4.64	10.05	462.94			
7	295	19808.95	4.9	0.14	4.76	67.15	94155.29			
8	12	67.8	4.95	0.01	4.94	5.65	334.81			
9	20	91.655	5.3	0.02	5.28	4.58	482.23			
10	6	44.14	5.4	0.16	5.24	7.36	231.22			
11	321	3958.067	5.5	0.16	5.34	12.33	21132.08			
12	9	34.36	2.1	0.15	1.95	3.82	67.05			
13	9	65.45	4.6	0.15	4.45	7.27	291.54			
14	1	43.014	4.9	0.17	4.74	43.01	203.67			
15	32	2122.331	5	0.01	4.99	66.32	10605.53			
16	108	291.84	5.4	0.05	5.35	2.70	1564.12			
17	45	2824.687	5.5	0.17	5.34	62.77	15069.71			
<b>Subtotal</b>	<b>969</b>	<b>30319.69</b>					<b>148503.61</b>			
18	4	31.5	4.6	0.04	4.56	7.88	144.26	2	27%	28%
19	1	10.93	4.7	0.00	4.70	10.93	51.37			
20	19	155.93	4.9	0.09	4.81	8.21	750.72			
21	24	224.46	4.95	0.07	4.88	9.35	1093.35			
22	11	300.958	5	0.15	4.85	27.36	1423.11			
23	3	11.41	5.1	0.15	4.95	3.80	56.89			
24	12	146.23	5.3	0.11	5.19	12.19	756.55			
25	8	35.808	5.4	0.08	5.32	4.48	192.07			
26	417	15201.58	5.5	0.14	5.36	36.45	81538.33			
27	11	86.26	7.9	0.06	7.84	7.84	675.77			

28	23	150.41	4	0.11	3.89	6.54	589.69			
29	2	10.83	4.5	0.00	4.50	5.42	48.74			
30	77	372.725	4.6	0.11	4.49	4.84	1671.95			
31	201	10405.84	4.7	0.14	4.56	51.77	47354.74			
32	12	105.78	4.8	0.13	4.67	8.82	494.21			
33	2	17.73	4.9	0.15	4.75	8.87	84.20			
34	6	55.6	4.95	0.02	4.93	9.27	274.22			
35	1	5.41	5	0.00	5.00	5.41	27.05			
36	5	22.84	5.1	0.03	5.07	4.57	115.37			
37	3	5.035	5.2	0.00	5.20	1.68	26.18			
38	3	27.2	5.3	0.11	5.19	9.07	140.92			
39	117	2340.236	5.4	0.16	5.24	20.00	12255.14			
40	429	21018.67	5.5	0.11	5.39	48.99	113764.06			
<b>Subtotal</b>	<b>1391</b>	<b>50743.37</b>					<b>263528.90</b>			
41	2	10.13	6.7	0.10	6.60	5.07	67.10	1	40%	36%
42	2	86.28	6.8	0.20	6.60	43.14	569.10			
43	9	144.356	7.4	0.21	7.19	16.04	1038.60			
44	2	76.81	9.5	0.10	9.40	38.41	714.81			
45	1	3.87	6.7	0.20	6.50	3.87	25.15			
46	1	3.61	4.9	0.15	4.75	3.61	17.15			
47	5	16.285	5.8	0.17	5.63	3.26	91.31			
48	89	508.26	6	0.15	5.85	5.71	2963.19			
49	107	3596.551	6.5	0.19	6.31	33.61	22671.38			
50	8	57.79	6.6	0.12	6.48	7.22	375.21			
51	13	131.07	6.7	0.09	6.61	10.08	868.76			
52	1	8.26	6.8	0.15	6.65	8.26	54.93			
53	3	27.96	6.9	0.21	6.69	9.32	187.14			
54	3	13.95	7.1	0.00	7.10	4.65	99.05			
55	3	8.19	7.2	0.00	7.20	2.73	58.97			
56	68	1474.357	7.3	0.21	7.09	21.68	10449.15			
57	1236	55343.97	7.4	0.19	7.21	44.78	399237.05			
58	2	25.76	7.8	0.19	7.61	12.88	195.89			
59	4	45.18	8.1	0.15	7.95	11.30	357.97			
60	132	8793.83	6.5	0.20	6.30	66.62	55416.60			
61	1	3.67	6.9	0.20	6.70	3.67	24.59			

62	90	4509.65	9	0.27	8.73	50.11	39375.84			
<b>Subtotal</b>	<b>1782</b>	<b>74889.79</b>					<b>534858.94</b>			
63	1	3.61	4.6	0.15	4.45	3.61	16.07	0	9%	11%
64	1	2.495	7.4	0.00	7.40	2.50	18.46			
65	6	59.37	7.8	0.12	7.68	59.37	453.69			
66	2	17.09	8.6	0.00	8.60	17.09	146.97			
67	5	68.88	8.7	0.29	8.41	68.88	577.10			
68	178	9055.839	9	0.26	8.74	9055.84	79131.75			
69	55	1094.896	9.5	0.29	9.21	1094.90	10085.56			
70	1	2.92	11.2	0.67	10.53	2.92	30.74			
71	3	115.8	14	0.21	13.79	115.80	1620.74			
72	1	2.81	6.7	0.00	6.70	2.81	18.83			
73	23	576.076	7.2	0.23	6.97	25.05	4020.95			
74	1	12.71	7.4	0.00	7.40	12.71	94.05			
75	1	31.35	7.5	0.49	7.01	31.35	219.89			
76	20	322.646	7.8	0.22	7.58	16.13	2440.67			
77	38	925.078	7.9	0.25	7.65	24.34	7079.29			
78	181	4731.719	8	0.24	7.76	26.14	36652.10			
79	2	17.68	9.2	0.55	8.65	8.84	152.90			
80	20	386.652	9.5	0.22	9.28	19.33	3589.68			
81	1	1.08	10.8	0.65	10.15	1.08	10.96			
82	3	15.48	11.8	0.00	11.80	5.16	182.66			
<b>Subtotal</b>	<b>543</b>	<b>17444.18</b>					<b>146543.07</b>			
83	25	202.065	26	18.89	18.61	123.32	1404.49	N	0%	1%
<b>Subtotal</b>	<b>25</b>	<b>202.065</b>					<b>1404.49</b>			
<b>Total</b>	<b>4957</b>	<b>185551</b>					<b>1107780.53</b>			
						<b>Fleet Average</b>	<b>5.97</b>			