

**2018 Union Pacific South Coast Fleet Average 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	8,255.8	1.1	0.0	1.1	48.6	8,923.2	4	3.8%	3.4%
2	75	347.1	1.3	0.0	1.3	4.6	451.2			
<b>Subtotal</b>	<b>245</b>	<b>8,602.9</b>					<b>9,374.4</b>			
3	32	1,476.2	3.0	0.2	2.8	46.1	4,180.6	ULEL	0.6%	0.4%
<b>Subtotal</b>	<b>32</b>	<b>1,476.2</b>					<b>4,180.6</b>			
5	2	16.3	4.2	0.1	4.1	8.2	66.5	3	20.6%	13.3%
6	44	310.3	4.6	0.1	4.4	7.1	1,379.7			
7	1	3.3	4.7	0.1	4.6	3.3	15.0			
8	14	126.5	4.8	0.1	4.7	9.0	594.3			
9	294	15,530.6	4.9	0.1	4.8	52.8	73,816.1			
10	35	2,278.7	5.0	0.0	5.0	65.1	11,377.6			
11	21	156.8	5.3	0.0	5.3	7.5	821.7			
12	107	6,439.4	5.4	0.1	5.3	59.6	34,472.1			
13	435	22,200.2	5.5	0.1	5.4	51.0	118,584.0			
<b>Subtotal</b>	<b>953</b>	<b>47,062.1</b>					<b>241,126.9</b>			
14	52	333.5	4.6	0.1	4.5	6.4	1,509.1	2	25.3%	22.1%
15	129	4,832.3	4.7	0.1	4.6	37.2	21,951.6			
16	13	99.6	4.8	0.1	4.7	7.7	466.4			
17	21	240.0	4.9	0.1	4.8	11.4	1,145.3			
18	43	1,128.1	5.0	0.3	4.7	26.2	5,368.7			
19	30	225.7	5.1	0.0	5.1	7.5	1,142.2			
20	2	103.3	5.2	0.2	5.0	51.6	520.9			
21	39	240.9	5.3	0.1	5.2	6.2	1,252.1			
22	95	4,088.4	5.4	0.2	5.2	39.7	21,435.3			
23	1,149	46,426.8	5.5	0.1	5.4	40.2	248,357.7			
24	4	26.4	6.7	0.1	6.6	6.6	175.8			
25	1	5.8	7.4	0.0	7.4	5.8	43.2			
26	1	5.5	8.6	0.0	8.6	5.5	47.6			
27	3	192.0	9.5	0.2	9.3	64.0	1,792.9			
<b>Subtotal</b>	<b>1,582</b>	<b>57,948.3</b>					<b>305,208.8</b>			
28	1	5.9	5.1	0.2	4.9	5.9	29.1	1	27.9%	34.0%
29	5	29.3	5.4	0.1	5.3	5.9	155.1			
30	60	404.2	6.0	0.2	5.8	6.7	2,358.9			
31	2	28.5	6.2	0.2	6.0	14.3	171.5			
32	4	16.8	6.5	0.2	6.3	4.2	105.9			
33	5	53.4	6.6	0.1	6.5	10.7	349.3			
34	53	472.0	6.7	0.0	6.7	8.9	3,144.8			
35	3	54.4	6.8	0.2	6.6	18.1	358.9			
36	19	260.5	6.9	0.2	6.7	13.7	1,745.2			
37	143	3,894.3	7.3	0.2	7.1	26.9	27,605.8			
38	2,008	54,826.8	7.4	0.2	7.2	27.1	394,775.7			
39	3	29.7	7.6	0.2	7.4	9.9	219.8			
40	3	26.4	8.1	0.2	7.9	8.8	206.8			
41	5	44.0	8.6	0.2	8.4	8.8	374.5			
42	107	3,412.8	9.0	0.3	8.7	31.9	29,795.9			
43	12	296.3	9.5	0.2	9.3	24.7	2,754.7			
<b>Subtotal</b>	<b>2,433</b>	<b>63,855.3</b>					<b>464,152.0</b>			
44	3	20.8	5.5	0.0	5.5	6.9	114.3	0	21.3%	25.4%
45	1	2.4	5.8	0.2	5.6	2.4	13.5			
46	10	62.7	6.7	0.0	6.7	6.3	416.5			
47	1	5.5	6.8	0.0	6.8	5.5	37.7			
48	1	3.2	7.2	0.2	7.0	3.2	22.0			
49	2	49.8	7.4	0.2	7.2	24.9	356.5			
50	5	51.5	7.5	0.4	7.1	10.3	365.1			
51	1	3.9	7.6	0.2	7.4	3.9	28.5			
52	45	975.4	7.8	0.2	7.6	20.8	7,394.4			
53	61	1,767.5	7.9	0.2	7.7	29.0	13,502.9			
54	528	15,722.6	8.0	0.2	7.8	29.7	121,961.8			
55	1	5.7	8.2	0.0	8.2	5.7	46.9			
56	1	10.8	8.4	0.3	8.1	10.8	87.7			
57	17	118.9	8.6	0.1	8.5	7.0	999.7			
58	128	1,768.4	8.7	0.3	8.4	13.8	14,760.0			
59	4	41.0	8.8	0.1	8.7	10.3	356.6			
60	1	55.0	8.9	0.5	8.4	55.0	460.0			
61	620	16,912.8	9.0	0.2	8.8	26.9	148,069.1			
62	2	42.1	9.2	0.4	8.8	21.0	369.8			
63	367	10,528.9	9.5	0.2	9.3	28.6	97,372.6			
64	1	5.1	10.9	0.7	10.2	5.1	52.4			
65	7	517.3	11.8	0.6	11.2	73.9	5,790.0			
66	4	5.3	13.1	0.0	13.1	1.3	68.8			
67	3	30.2	14.0	0.6	13.4	10.1	404.8			
<b>Subtotal</b>	<b>1,814</b>	<b>48,706.7</b>					<b>413,051.5</b>			
68	1	5.5	9.0	0.3	8.7	5.5	48.4	N	0.3%	0.8%
69	53	625.4	13.0	0.3	12.7	11.8	7,920.3			
70	2	7.4	13.1	0.0	13.1	3.7	96.7			
71	1	0.4	16.7	0.0	16.7	0.4	6.5			
<b>Subtotal</b>	<b>57</b>	<b>638.7</b>					<b>8,071.9</b>			
72	15	159.4	5.0	0.0	4.9	10.6	777.9	NO TIER REPORTED	0.2%	0.5%
73	1	56.6	5.3	0.0	5.3	56.6	300.1			
74	5	29.3	6.7	0.0	6.7	5.9	196.2			
75	13	88.6	8.6	0.0	8.6	6.8	762.2			
76	3	9.3	13.1	0.0	13.1	3.1	121.7			
<b>Subtotal</b>	<b>37</b>	<b>343.2</b>					<b>2,158.0</b>			
<b>Total</b>	<b>7,153</b>	<b>228,633</b>					<b>1,447,324</b>		<b>100.0%</b>	<b>100.0%</b>
<b>Fleet Average</b>							<b>6.3</b>			

\* 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.

a) 186 Tier 4 credit locomotives included with Tier 3 locomotives with CL value of 4.6, 5.0, 5.4, & 5.5