

Los Angeles County  
Metropolitan Transportation Authority  
California

# OPERATIONS MONTHLY RAIL PERFORMANCE REPORT

AUGUST 2019



# METRO RAIL PERFORMANCE – AUGUST 2019

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## Metro Rail Scorecard Overview

Metro operates heavy rail, the Red and Purple Lines, from Union Station to North Hollywood and Union Station to Wilshire/Western. Data for Red and Purple lines are reported under Metro Red line in this report. Metro also operates four light rail lines: Blue Line from Downtown to Long Beach, Green Line along the 105 freeway, Gold Line from Azusa to East Los Angeles, and Expo Line from Los Angeles to Santa Monica. Metro Rail is responsible for the operation of approximately 104 heavy rail cars and 203 light rail cars carrying nearly 110 million passengers each year. Also included in this report are Key Performance Indicators for Wayside, which is in the process of being developed.

Measurement	FY 2017	FY 2018	FY 2019	FY 2020 Target	FY 2020 YTD	FYTD Status	Jun Month	Jul Month	Aug Month
<b>Systemwide</b>									
On-Time Pullouts	99.61%	99.68%	99.72%	99.80%	99.64%	●	99.76%	99.56%	99.72%
Mean Miles Between Chargeable Mechanical Failures <sup>3</sup>	29,711	31,146	39,034	44,540	37,950	●	36,984	36,692	39,287
In-Service On-time Performance	98.24%	98.48%	98.81%	99.10%	98.84%	●	98.98%	98.91%	98.77%
Service Delivery Ratio	99.23%	99.22%	99.56%	99.70%	99.71%	●	99.78%	99.82%	99.60%
Traffic Accidents Per 100,000 Train Miles	1.01	0.96	0.68	0.85	0.78	●	0.63	0.63	0.94
CPUC Reportable Accidents per 100,000 Train Miles	0.36	0.54	0.29	0.37	0.39	●	0.16	0.31	0.47
Passenger Accidents per 100,000 Boardings	0.023	0.022	0.014	0.010	0.014	●	0.000	0.027	0.000
Complaints per 100,000 Boardings	1.98	1.81	1.83	1.10	1.47	●	1.55	1.63	1.32
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours <sup>1,2</sup>	12.27	11.17	11.43	10.05	11.65	●	5.81	4.72	18.43
Lost Work Days per 200,000 Exposure Hours <sup>1,2</sup>	733	886	800	821.44	833	●	838	833	-
OSHA Injuries per 200,000 Exposure Hours <sup>1,2</sup>	8.53	7.61	7.23	6.43	4.72	●	1.94	4.72	-
<b>Wayside Maintenance &amp; Engineering</b>									
Past-Due Preventive Maintenance - Aging of Outstanding Work Orders	1	3	63	N/A	120	N/A	14	53	67
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	5.35	5.02	5.31	5.40	10.42	●	0.00	3.55	16.99
Lost Work Days per 200,000 Exposure Hours <sup>1</sup>	194	312	218	296	114	●	152	114	0
OSHA Injuries per 200,000 Exposure Hours <sup>1</sup>	4.01	4.01	3.84	4.13	3.55	●	0.00	3.55	0
<b>Blue Line</b>									
On-Time Pullouts	99.60%	99.39%	99.46%	99.50%	99.46%	●	99.44%	98.92%	100.00%
Mean Miles Between Chargeable Mechanical Failures <sup>3</sup>	15,405	13,772	22,391	22,391	350,945	●	85,685	177,184	173,761
In-Service On-time Performance	96.44%	97.11%	98.13%	98.80%	99.54%	●	99.80%	99.72%	99.35%
Service Delivery Ratio	98.54%	98.42%	99.31%	99.40%	99.66%	●	99.79%	99.80%	99.52%
Traffic Accidents Per 100,000 Train Miles	2.18	1.63	1.05	1.84	2.50	●	3.43	3.32	1.67
CPUC Reportable Accidents per 100,000 Train Miles	0.71	1.03	0.38	0.40	1.67	●	1.72	1.66	1.67
Passenger Accidents per 100,000 Boardings	0.046	0.033	0.013	0.010	0.000	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	1.67	2.22	1.73	1.40	2.08	●	3.97	3.01	1.17
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours <sup>1,2</sup>	16.74	13.95	14.22	11.90	18.42	●	6.06	18.42	18.42
Lost Work Days per 200,000 Exposure Hours <sup>1</sup>	836	1,016	695	953	751	●	787	751	-
OSHA Injuries per 200,000 Exposure Hours <sup>1</sup>	10.40	8.10	5.96	5.93	6.14	●	6.06	6.14	-

<sup>1</sup> There is a One Month lag in reporting this data

<sup>2</sup> Includes Operations, RFS and Wayside

<sup>3</sup> MMBMF for each line is based on Actual Vehicle Revenue Miles since hub miles are not available by the line operated. Vehicles from Division 11 may operate on the Expo or Blue Line.

● Green - High probability of achieving the target (on track). Meets Target at 100% or better.

● Yellow - Uncertain if the target will be achieved -- slight problems, delays or management issues. Falls below Target 70 - 99%.

● Red - High probability that the target will not be achieved -- significant problems and/or delays. Falls below Target >70%.

N/A = Not Available

Measurement	FY 2017	FY 2018	FY 2019	FY 2020 Target	FY 2020 YTD	FYTD Status	Jun Month	Jul Month	Aug Month
<b>Red Line</b>									
On-Time Pullouts	99.95%	99.88%	99.85%	100.00%	99.80%	●	100.00%	99.61%	100.00%
Mean Miles Between Chargeable Mechanical Failures <sup>3</sup>	104,637	68,407	58,255	94,165	45,279	●	49,128	41,176	50,065
In-Service On-time Performance	99.39%	99.33%	99.41%	99.70%	99.47%	●	99.23%	99.46%	99.47%
Service Delivery Ratio	99.72%	99.65%	99.73%	100.00%	99.76%	●	99.81%	99.72%	99.79%
Traffic Accidents Per 100,000 Train Miles	0.57	0.64	0.57	0.57	0.00	●	0.87	0.00	0.00
CPUC Reportable Accidents per 100,000 Train Miles	0.14	0.21	0.28	0.21	0.00	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.004	0.000	0.002	0.000	0.014	●	0.000	0.029	0.000
Complaints per 100,000 Boardings	1.19	1.16	1.35	0.55	0.68	●	1.07	0.66	0.70
New Workers' Compensation Indemnity Claims per	12.68	11.80	14.74	10.80	5.67	●	11.79	5.70	5.65
*Lost Work Days per 200,000 Exposure Hours	992	827	755	809	706	●	846	706	-
*OSHA Injuries per 200,000 Exposure Hours	7.52	4.99	9.67	3.89	5.70	●	0.00	5.70	-

<b>Green Line</b>									
On-Time Pullouts	99.69%	99.59%	99.85%	99.70%	99.42%	●	99.32%	99.08%	99.76%
Mean Miles Between Chargeable Mechanical Failures <sup>3</sup>	16,375	21,614	22,144	22,651	22,412	●	24,218	24,773	20,446
In-Service On-time Performance	98.69%	98.72%	98.76%	99.00%	98.41%	●	98.84%	98.01%	98.80%
Service Delivery Ratio	99.61%	99.38%	99.70%	100.00%	99.81%	●	99.59%	99.86%	99.75%
Traffic Accidents Per 100,000 Train Miles	0.48	0.34	0.25	0.35	0.39	●	0.00	0.00	0.78
CPUC Reportable Accidents per 100,000 Train Miles	0.07	0.00	0.06	0.40	0.00	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.048	0.010	0.021	0.010	0.000	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	2.08	1.69	2.08	1.20	2.66	●	2.53	2.64	2.68
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	9.14	12.87	6.82	11.52	13.46	●	0.00	0.00	26.43
*Lost Work Days per 200,000 Exposure Hours	712	984	1,321	930	1,106	●	1,019	1,106	-
*OSHA Injuries per 200,000 Exposure Hours	6.65	9.84	5.31	8.70	0.00	●	0.00	0.00	-

<b>Gold Line</b>									
On-Time Pullouts	99.82%	99.84%	99.58%	100.00%	99.66%	●	100.00%	99.87%	99.46%
Mean Miles Between Chargeable Mechanical Failures <sup>3</sup>	38,427	43,588	40,584	49,281	30,041	●	29,775	24,637	38,533
In-Service On-time Performance	97.61%	98.19%	98.50%	98.80%	97.09%	●	98.44%	97.40%	96.78%
Service Delivery Ratio	98.88%	99.07%	99.39%	99.50%	99.53%	●	99.72%	99.84%	99.22%
Traffic Accidents Per 100,000 Train Miles	0.61	0.55	0.55	0.51	0.91	●	0.45	0.91	0.91
CPUC Reportable Accidents per 100,000 Train Miles	0.25	0.26	0.25	0.40	0.46	●	0.00	0.46	0.46
Passenger Accidents per 100,000 Boardings	0.030	0.086	0.044	0.010	0.041	●	0.000	0.082	0.000
Complaints per 100,000 Boardings	2.77	2.65	2.71	1.80	2.65	●	2.28	3.26	2.01
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	14.31	14.24	14.15	11.67	12.90	●	16.37	0.00	25.75
*Lost Work Days per 200,000 Exposure Hours	1,055	1,146	1,391	993	1,899	●	1,840	1,899	-
*OSHA Injuries per 200,000 Exposure Hours	9.69	11.87	10.61	8.94	5.17	●	5.46	5.17	-

<b>Expo Line</b>									
On-Time Pullouts	98.76%	99.71%	99.87%	99.70%	99.69%	●	99.68%	99.68%	99.69%
Mean Miles Between Chargeable Mechanical Failures <sup>3</sup>	33,402	57,013	93,728	93,278	46,739	●	41,190	81,986	32,641
In-Service On-time Performance	98.48%	98.72%	98.93%	98.90%	99.27%	●	98.42%	99.52%	99.02%
Service Delivery Ratio	99.46%	99.54%	99.67%	99.80%	99.84%	●	99.89%	99.92%	99.76%
Traffic Accidents Per 100,000 Train Miles	1.26	1.78	1.19	1.26	0.90	●	0.00	0.00	1.79
CPUC Reportable Accidents per 100,000 Train Miles	0.63	1.30	0.56	0.40	0.45	●	0.00	0.00	0.89
Passenger Accidents per 100,000 Boardings	0.018	0.010	0.010	0.010	0.000	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	3.68	2.20	2.11	1.40	1.62	●	1.10	1.72	1.51
New Workers' Compensation Indemnity Claims per	19.26	12.57	16.21	11.84	10.69	●	0.00	0.00	20.93
*Lost Work Days per 200,000 Exposure Hours	887	1,470	980	1,343	845	●	790	845	-
*OSHA Injuries per 200,000 Exposure Hours	16.60	9.92	9.73	9.92	7.28	●	-	7.28	-

\* There is One Month lag in reporting this data

<sup>3</sup> MMBMF for each line is based on Actual Vehicle Revenue Miles since hub miles are not available by the line operated.

Vehicles from Division 11 may operate on the Expo or Blue Line.

● Green - High probability of achieving the target (on track). Meets Target at 100% or better.

● Yellow - Uncertain if the target will be achieved -- slight problems, delays or management issues. Falls below Target 70 - 99%.

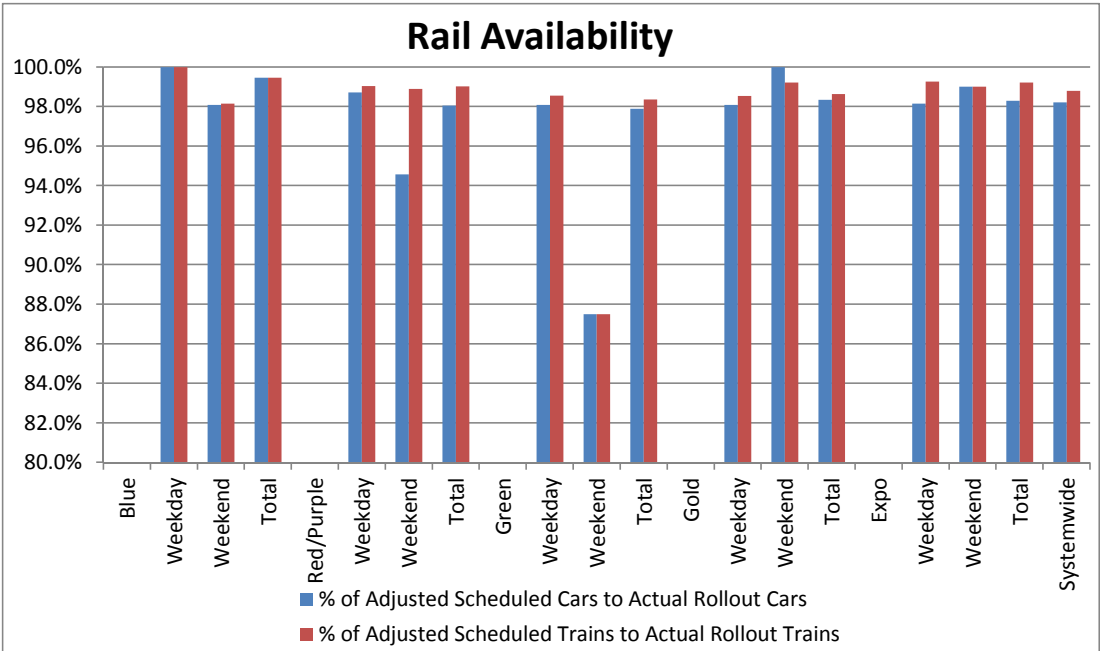
● Red - High probability that the target will not be achieved -- significant problems and/or delays. Falls below Target >70%.

N/A = Not Available

# Vehicle Availability

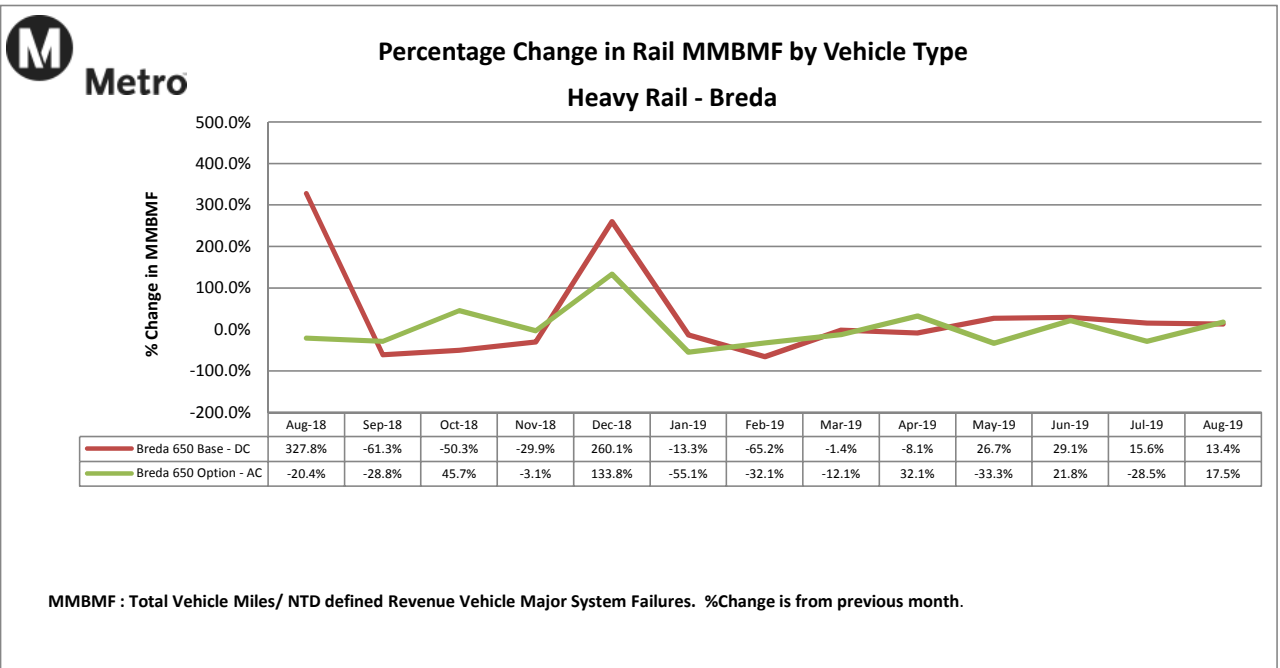
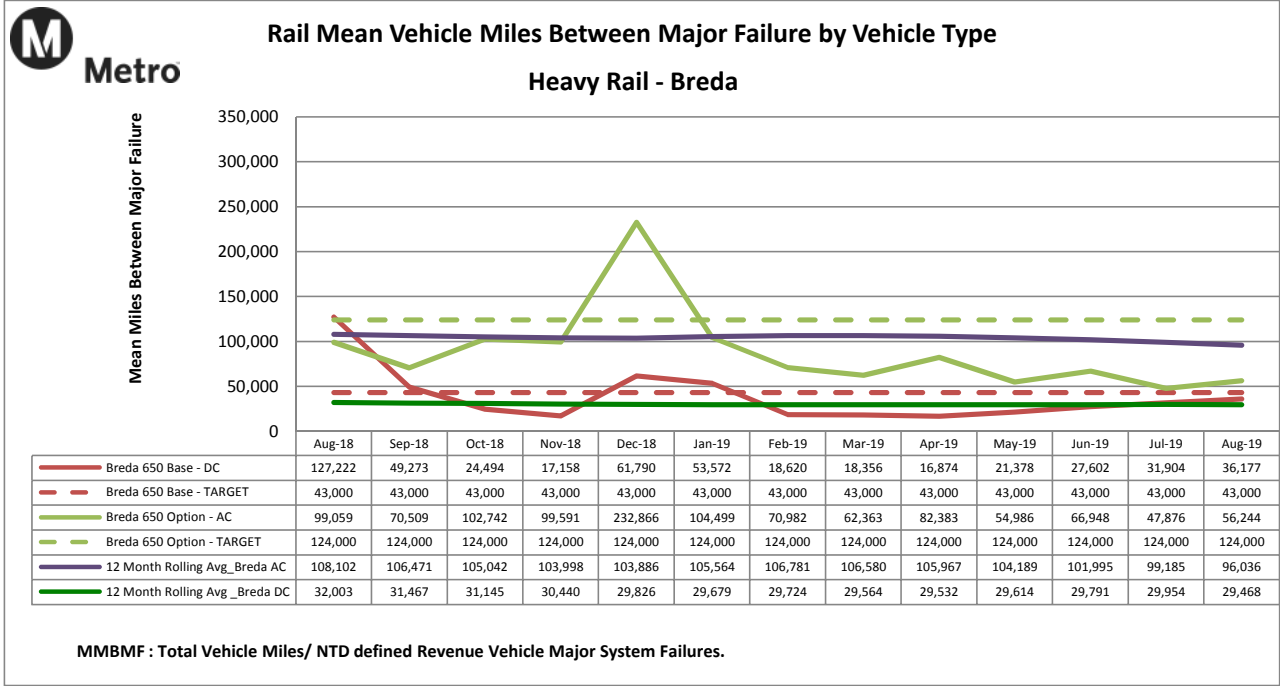
**Aug 2019**

Day Type	% of Adjusted Scheduled Cars to Actual Rollout Cars	% of Adjusted Scheduled Trains to Actual Rollout Trains
<b>Blue</b>		
Weekday	100.00%	100.00%
Weekend	98.08%	98.15%
Total	99.46%	99.46%
<b>Red/Purple</b>		
Weekday	98.71%	99.04%
Weekend	94.57%	98.89%
Total	98.05%	99.02%
<b>Green</b>		
Weekday	98.09%	98.56%
Weekend	87.50%	87.50%
Total	97.89%	98.36%
<b>Gold</b>		
Weekday	98.09%	98.53%
Weekend	100.00%	99.21%
Total	98.34%	98.64%
<b>Expo</b>		
Weekday	98.15%	99.26%
Weekend	99.00%	99.00%
Total	98.29%	99.22%
Systemwide	98.21%	98.80%



# METRO RAIL PERFORMANCE – AUGUST 2019

## Rail Performance by Vehicle Type



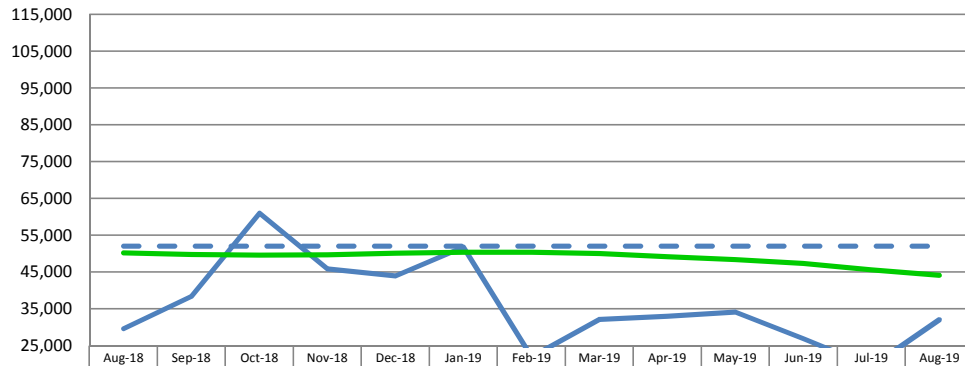


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### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

#### Light Rail - Breda

Mean Miles Between Major Failure



	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
— AnsaldoBreda 2550 Base - AC	29,623	38,403	60,989	45,884	43,889	51,768	21,949	32,069	32,976	34,128	26,913	19,321	32,039
— AnsaldoBreda 2550 Base - TARGET	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000	52,000
— 12 Month Rolling Avg AnsaldoBreda2550Base - AC	50,179	49,789	49,586	49,710	50,097	50,339	50,411	50,011	49,160	48,395	47,296	45,542	44,074

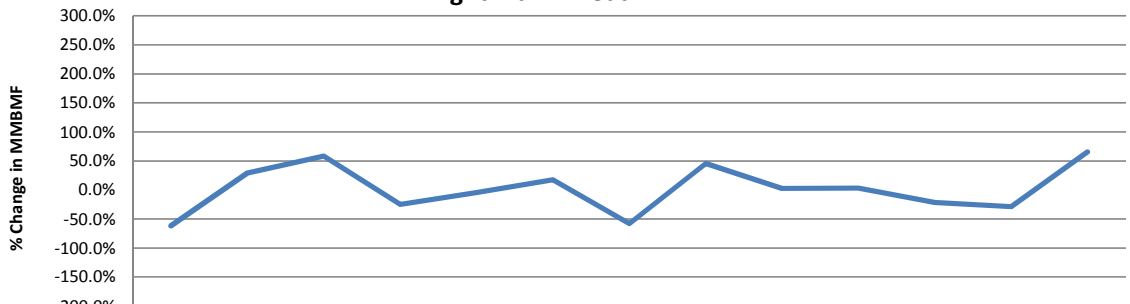
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Metro

### Percentage Change in Rail MMBMF by Vehicle Type

#### Light Rail - Breda



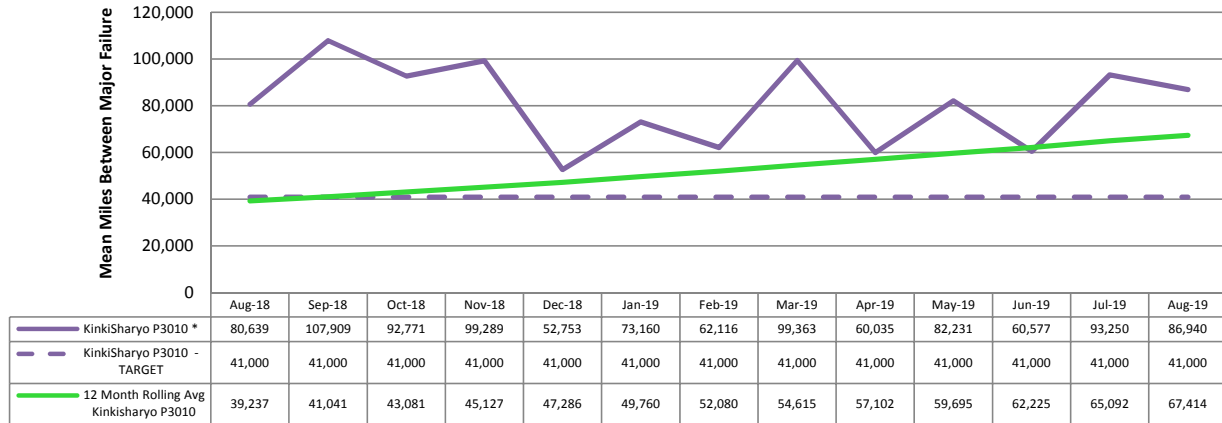
	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
— AnsaldoBreda 2550 Base - AC	-61.4%	29.6%	58.8%	-24.8%	-4.3%	18.0%	-57.6%	46.1%	2.8%	3.5%	-21.1%	-28.2%	65.8%

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.



Metro

### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type Light Rail - KinkiSharyo

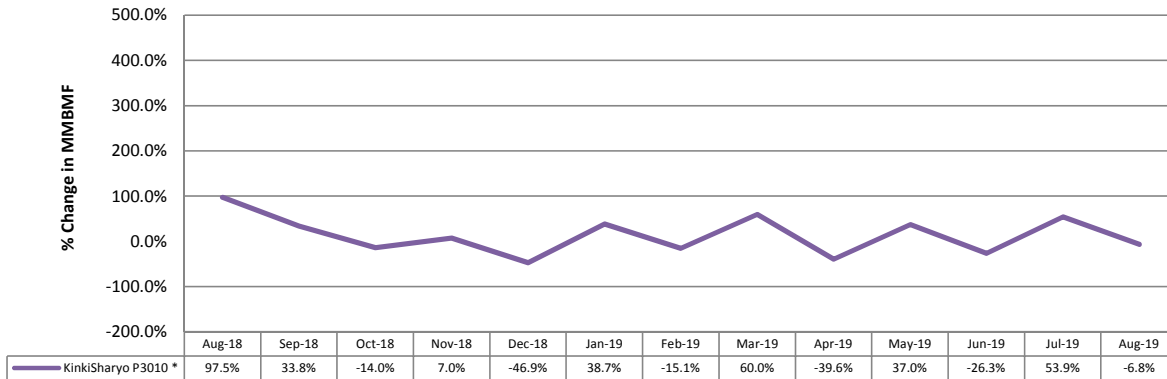


MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



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### Percentage Change in Rail MMBMF by Vehicle Type Light Rail - KinkiSharyo



MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.



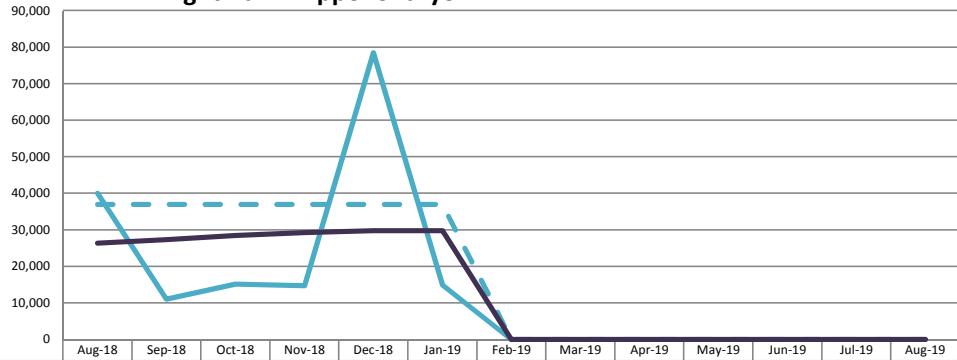


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### Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

#### Light Rail - NipponSharyo

Mean Miles Between Major Failure



\* Nippon Sharyo 2020 Cars did not operate starting in February 2019

\*\* Nippon Sharyo 865 -DC Cars have been retired starting September 2018

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.

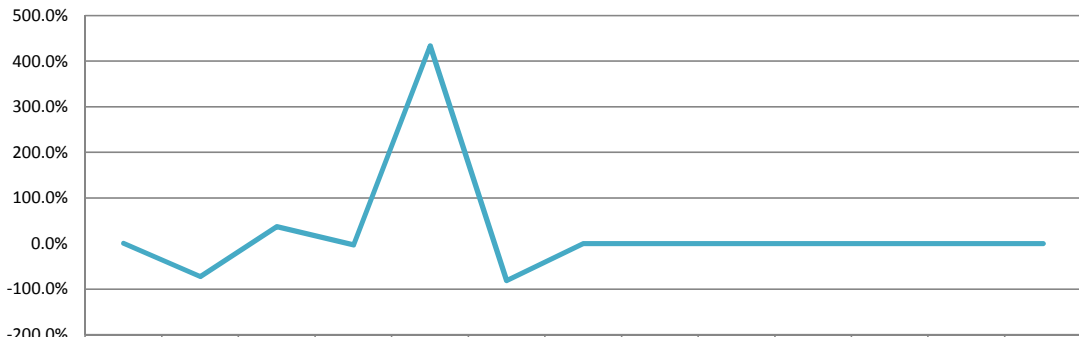


Metro

### Percentage Change in Rail MMBMF by Vehicle Type

#### Light Rail - NipponSharyo

% Change in MMBMF



\* Nippon Sharyo 2020 did not operate starting in February 2019

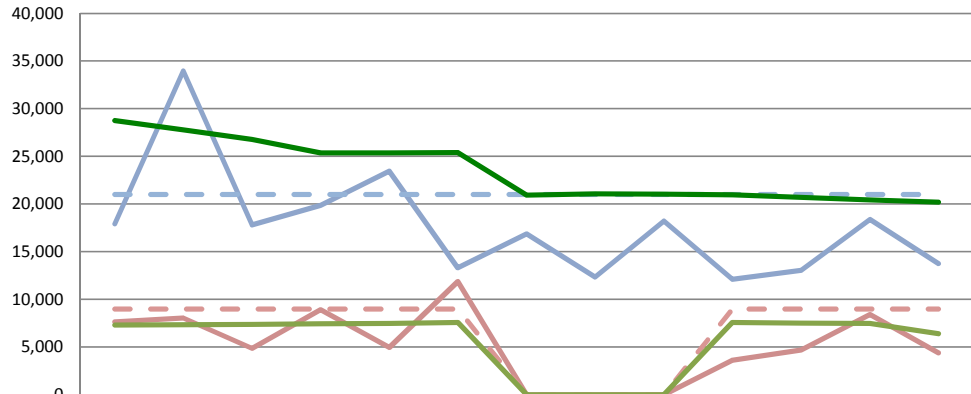
\*\* Nippon Sharyo 865 -DC Cars have been retired starting September 2018

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.



### Rail Mean Vehicle Miles Between Major Failures by Vehicle Type Light Rail - Siemens

Mean Miles Between Major Failure



	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Siemens 2000 Base - AC	17,919	33,989	17,816	19,888	23,455	13,310	16,886	12,338	18,216	12,118	13,056	18,410	13,747
Siemens 2000 Base - TARGET	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000	21,000
Siemens 2000 GE/ATP - AC **	7,657	8,052	4,877	8,911	4,963	11,882	0	0	0	3,607	4,711	8,422	4,402
Siemens 2000 GE/ATP - TARGET **	9,000	9,000	9,000	9,000	9,000	9,000	0	0	0	9,000	9,000	9,000	9,000
12 Month Rolling Avg - Siemens 2000 Base - AC	28,766	27,801	26,804	25,377	25,372	25,427	20,962	21,085	21,055	20,982	20,708	20,446	20,206
12 Month Rolling Avg - Siemens 2000 GE/ATP - AC	7,313	7,356	7,382	7,450	7,496	7,573	0	0	0	7,591	7,527	7,488	6,416

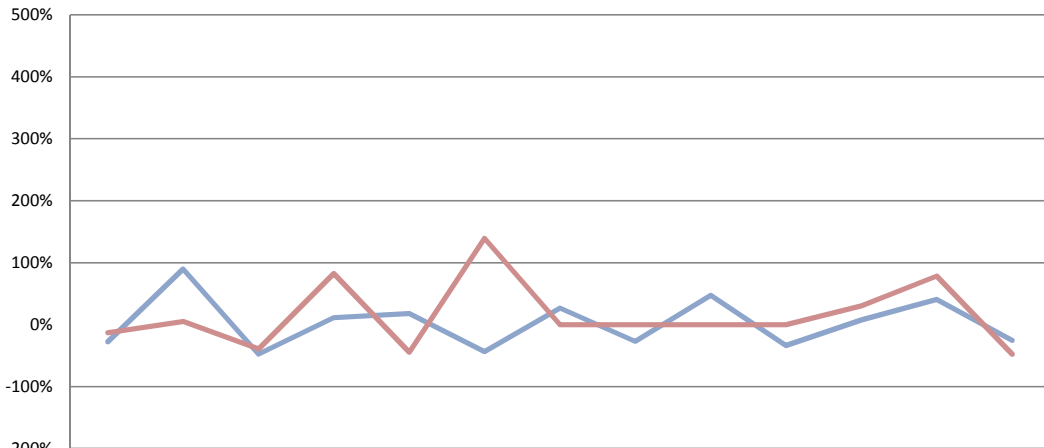
\*\* The Siemens 2000 GE/ATP AC cars did not operate starting in February 2019 and resumed in May 2019.

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



### Percentage Change in Rail MMBMF by Vehicle Type Light Rail - Siemens

% Change in MMBMF



	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Siemens 2000 Base - AC	-27.6%	89.7%	-47.6%	11.6%	17.9%	-43.3%	26.9%	-26.9%	47.6%	-33.5%	7.7%	41.0%	-25.3%
Siemens 2000 GE/ATP - AC **	-12.7%	5.1%	-39.4%	82.7%	-44.3%	139.4%	0.0%	0.0%	0.0%	0.0%	30.6%	78.8%	-47.7%

\*\* The Siemens 2000 GE/ATP AC cars did not operate starting in February 2019.

MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.

### Mean Miles Between Major Failures

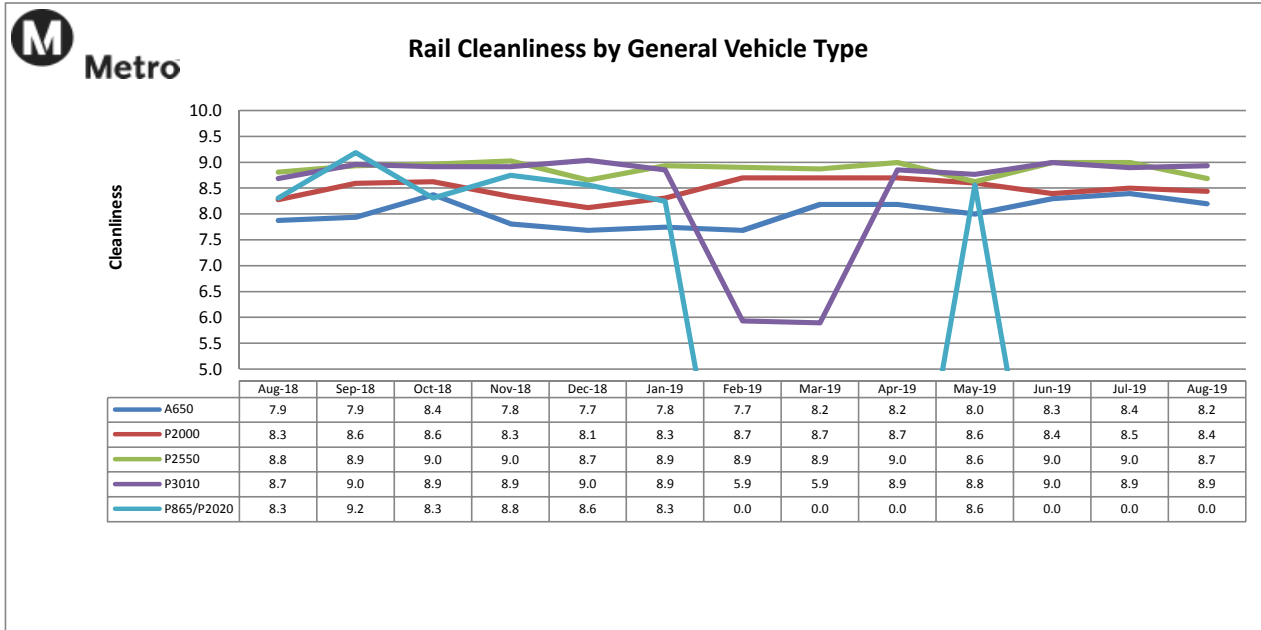
	FY 2019	FY2020 Goal	FY2020 YTD
AnsaldoBreda2550Base - AC	37,825	52,000	24,408
Breda 650 Base - DC	27,943	43,000	33,735
Breda 650 Option - AC	85,062	124,000	51,840
Kinkisharyo P3010	70,566	41,000	90,095
Nippon Sharyo 2020 - DC	21,405	37,000	0
Nippon Sharyo 865 - DC			0**
Siemens 2000 Base - AC	17,841	21,000	15,941
Siemens 2000 GE/ATP - AC	6,920	9,000	5,742

\*\* retired in September 2018

### Rail Fleet Distribution – MAY 2019

Number of Rail Vehicle Type by Division	Blue	Red / Purple	Green	Gold	Expo	Total
AnsaldoBreda 2550 Base - AC				50		50
Breda 650 Base - DC		30				30
Breda 650 Option - AC		68				68
KinkiSharyo P3010	54		24	47	56	181
Nippon Sharyo 2020 - DC	15					15
0						0
Siemens 2000 Base - AC	7				15	22
Siemens 2000 GE/ATP - AC			16			16
<b>TOTALS</b>	76	98	40	97	71	382

## Cleanliness by Vehicle Type Aug 2019

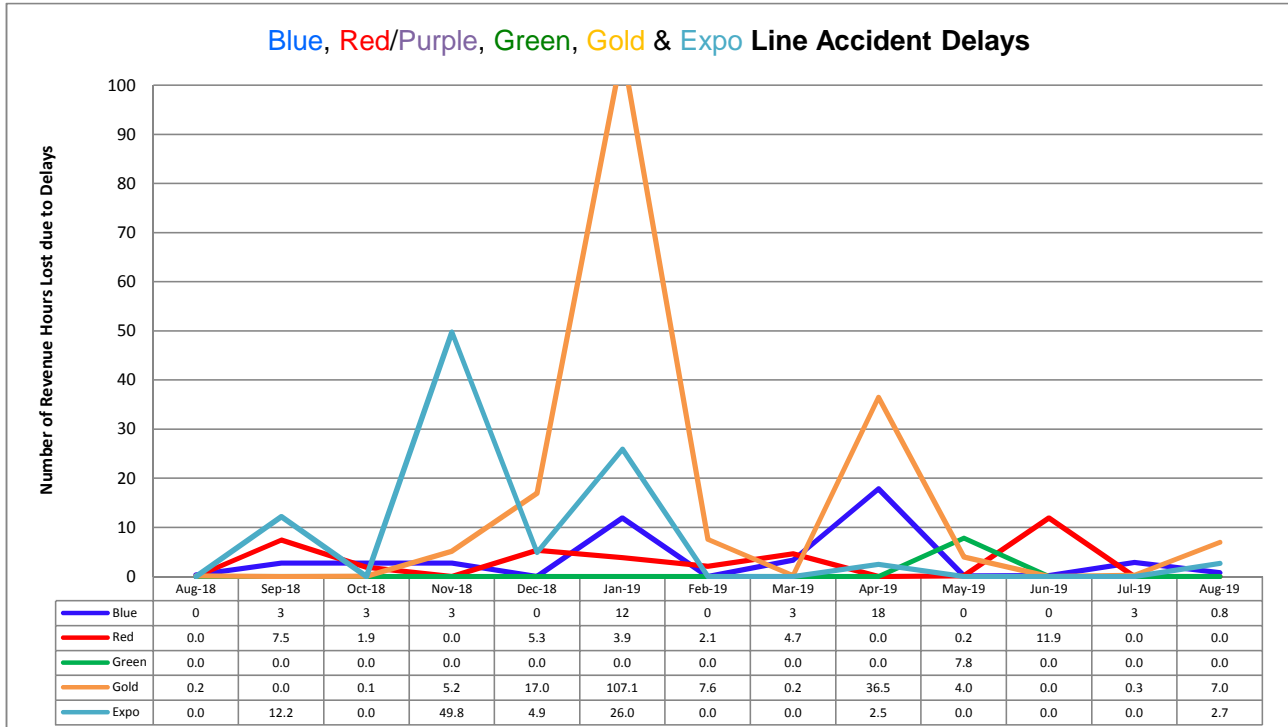


P2020 has only one cleanliness inspection since Jan 2019 due to Blue Line Construction

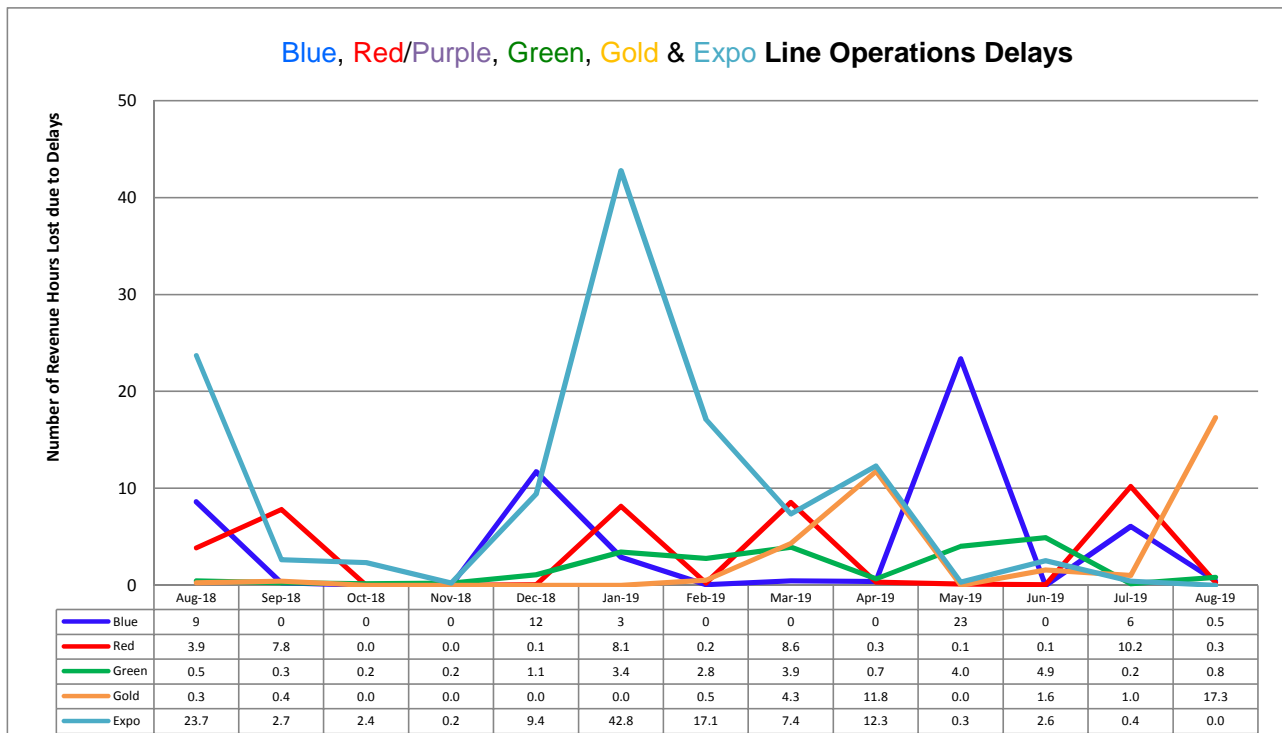
## RAIL DELAYS BY CATEGORY - SYSTEMWIDE

Revenue Hours Lost Related to - ACCIDENTS

Aug 2019

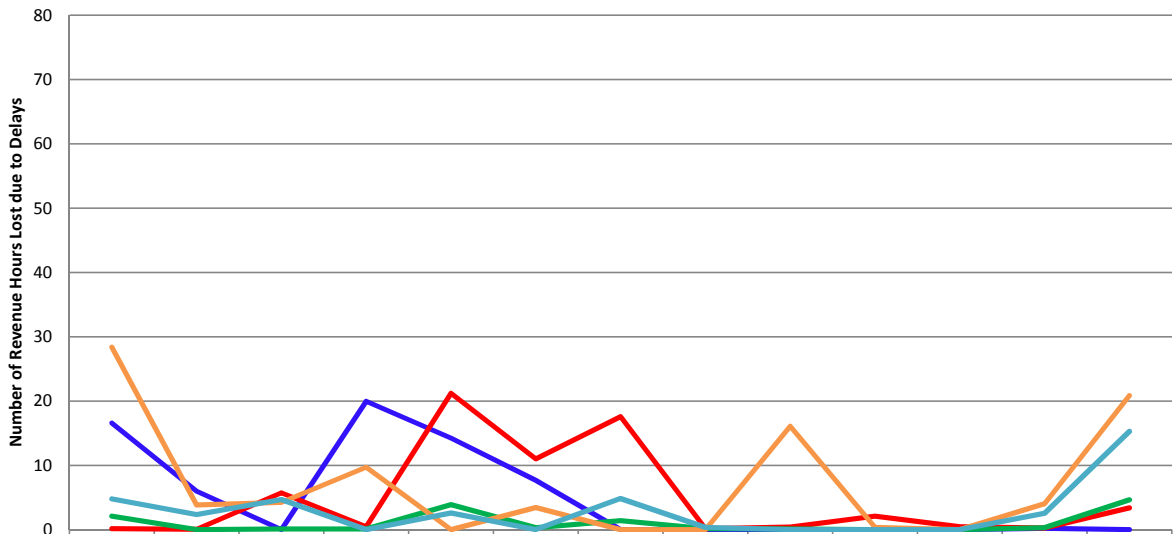


## Revenue Hours Lost Related to - OPERATIONS



### Revenue Hours Lost Related to - OTHER

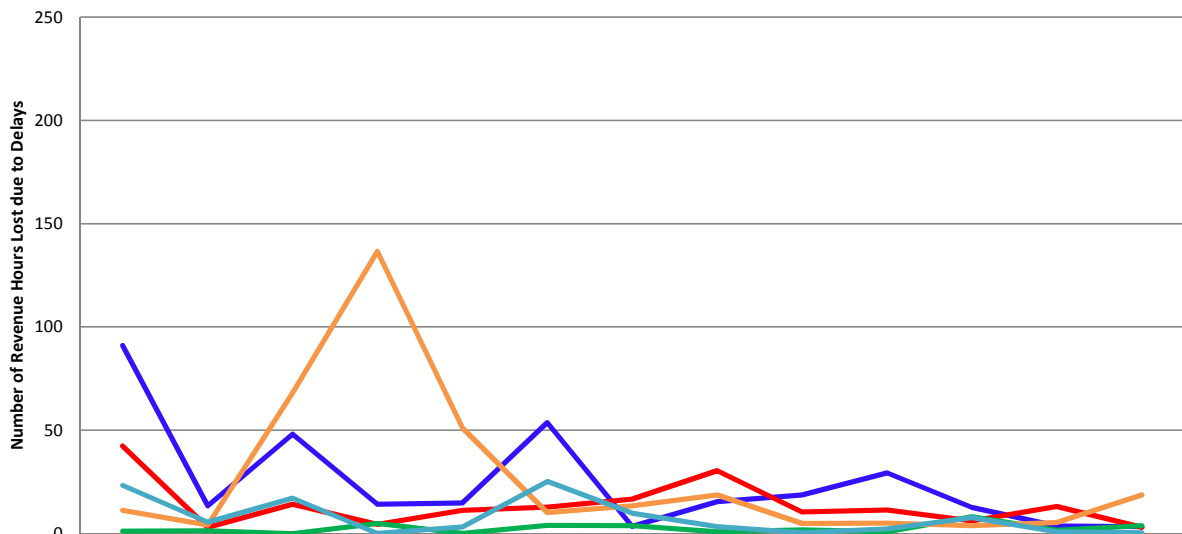
Blue, Red/Purple, Green, Gold & Expo Line Other Delays



	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Blue	17	6	0	20	14	8	0	0	0	0	0	0	0.0
Red	0.2	0.1	5.7	0.5	21.2	11.0	17.6	0.2	0.4	2.1	0.5	0.3	3.4
Green	2.1	0.0	0.1	0.1	3.9	0.3	1.4	0.2	0.1	0.0	0.0	0.3	4.6
Gold	28.4	3.8	4.3	9.7	0.0	3.5	0.0	0.0	16.1	0.4	0.0	4.0	20.9
Expo	4.8	2.4	4.7	0.0	2.6	0.0	4.9	0.4	0.0	0.0	0.0	2.6	15.3

### Revenue Hours Lost Related to - POLICE & HEALTH

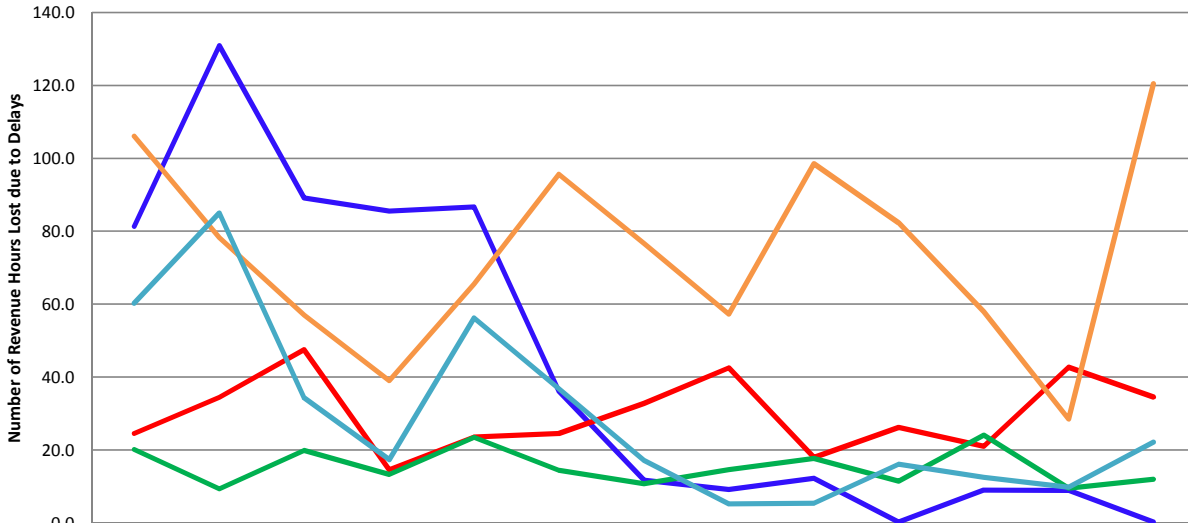
Blue, Red/Purple, Green, Gold & Expo Line Police & Health Delays



	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Blue	91	13	48	14	15	54	4	15	19	29	13	4	3.4
Red	42.4	3.0	14.2	4.4	11.3	12.8	16.7	30.4	10.5	11.4	6.2	13.2	3.1
Green	1.3	1.4	0.0	5.0	0.2	4.0	3.9	0.9	1.9	1.0	8.2	1.6	3.9
Gold	11.2	4.2	68.1	136.5	51.1	10.2	13.4	18.8	4.9	5.1	3.9	5.4	18.7
Expo	23.3	5.6	17.2	0.2	3.3	25.2	9.9	3.4	0.4	2.3	7.7	0.9	0.4

### Revenue Hours Lost Related to - Vehicle Delays

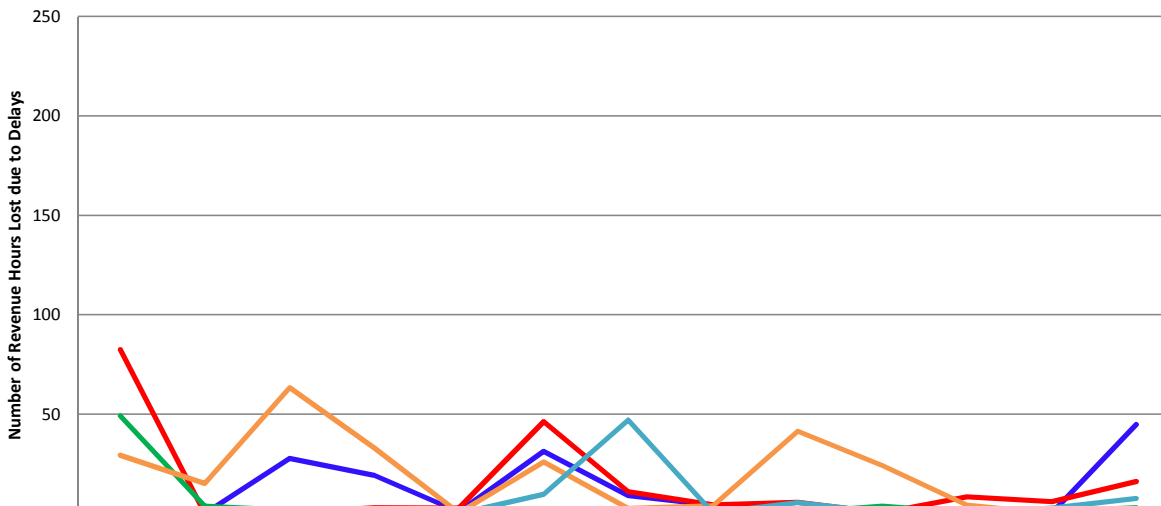
Blue, Red/Purple, Green, Gold & Expo Line Vehicle Delays



	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Blue	81.3	130.9	89.2	85.5	86.7	36.2	11.8	9.3	12.3	0.3	9.1	9.0	0.3
Red	24.6	34.5	47.6	14.7	23.6	24.6	32.8	42.6	18.0	26.3	21.1	42.7	34.6
Green	20.2	9.4	19.9	13.4	23.5	14.5	10.8	14.6	17.7	11.5	24.2	9.6	12.0
Gold	106.1	78.3	57.0	39.0	65.6	95.7	76.7	57.3	98.6	82.4	57.9	28.5	120.5
Expo	60.3	85.0	34.3	17.4	56.2	36.9	17.2	5.2	5.5	16.1	12.6	9.8	22.2

### Revenue Hours Lost Related to - WAYSIDE

Blue, Red/Purple, Green, Gold & Expo Line Wayside Delays

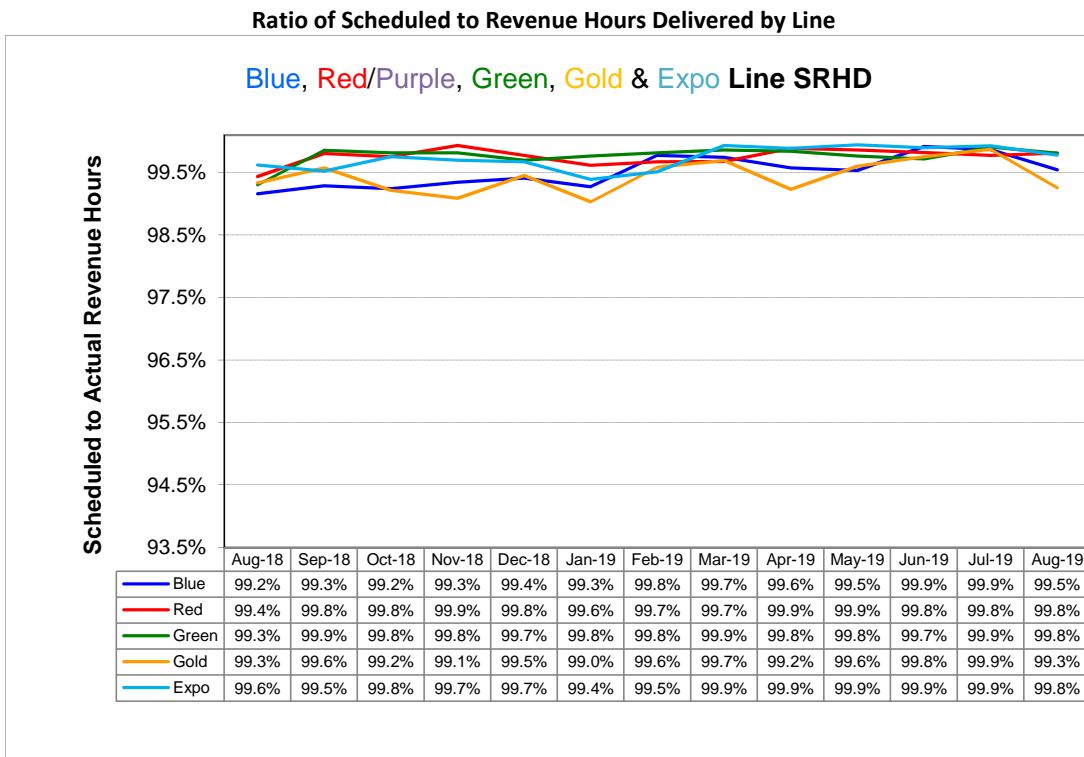
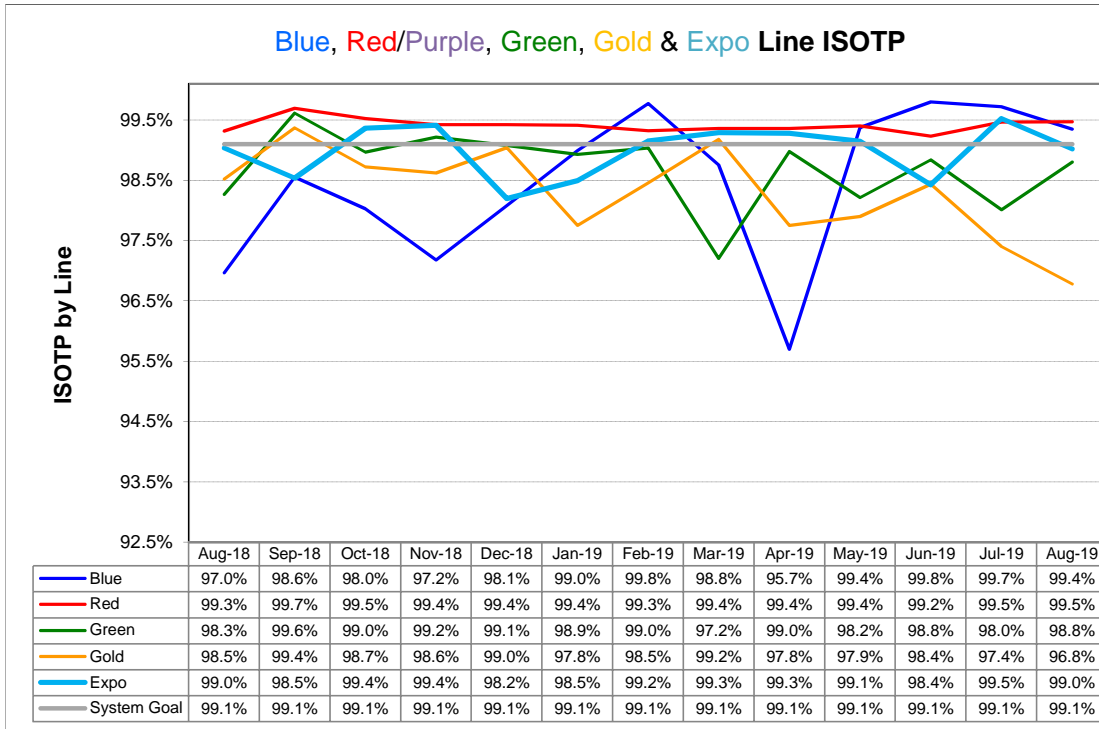


	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Blue	1	0	28	19	1	31	9	4	1	1	0	0	44.8
Red	82.5	0.1	0.4	2.9	2.9	46.2	11.0	4.4	5.6	0.3	8.4	6.0	16.2
Green	49.1	3.8	1.6	1.1	2.2	0.1	2.3	0.9	0.6	3.7	0.6	1.2	2.9
Gold	29.3	15.2	63.3	32.8	0.3	26.0	2.6	3.9	41.5	24.1	4.3	0.0	0.8
Expo	0.0	0.0	0.4	0.0	0.0	9.7	47.0	0.4	5.5	0.6	0.3	2.8	7.7

## Rail Service Performance

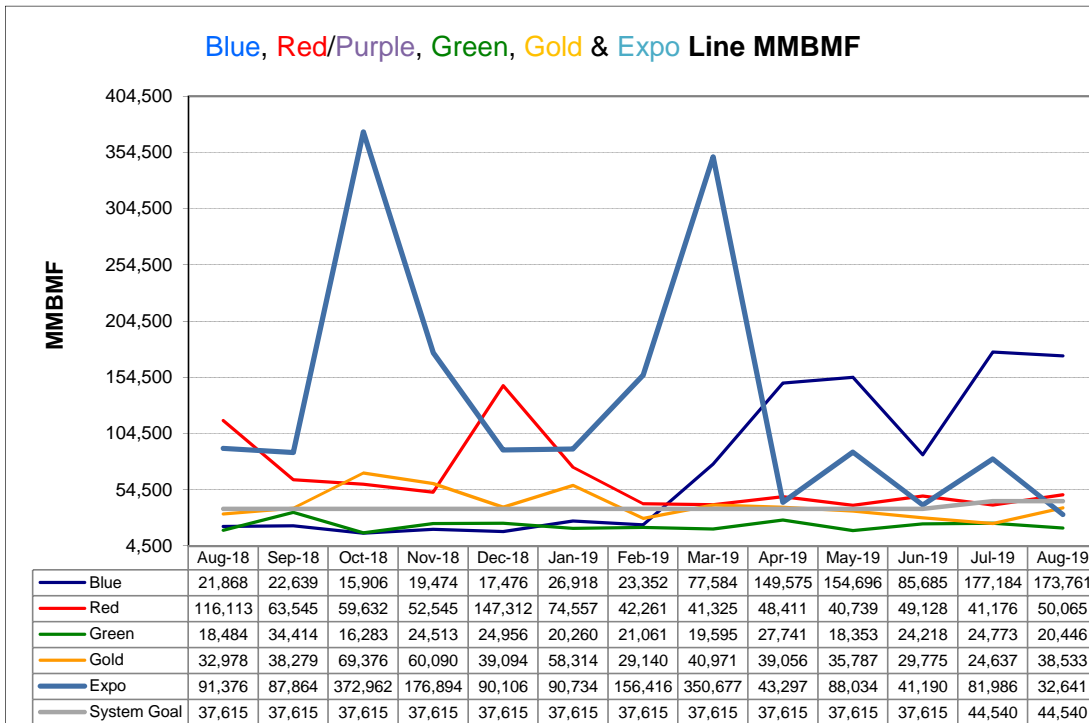
### In Service On Time Performance by Line

#### Aug 2019

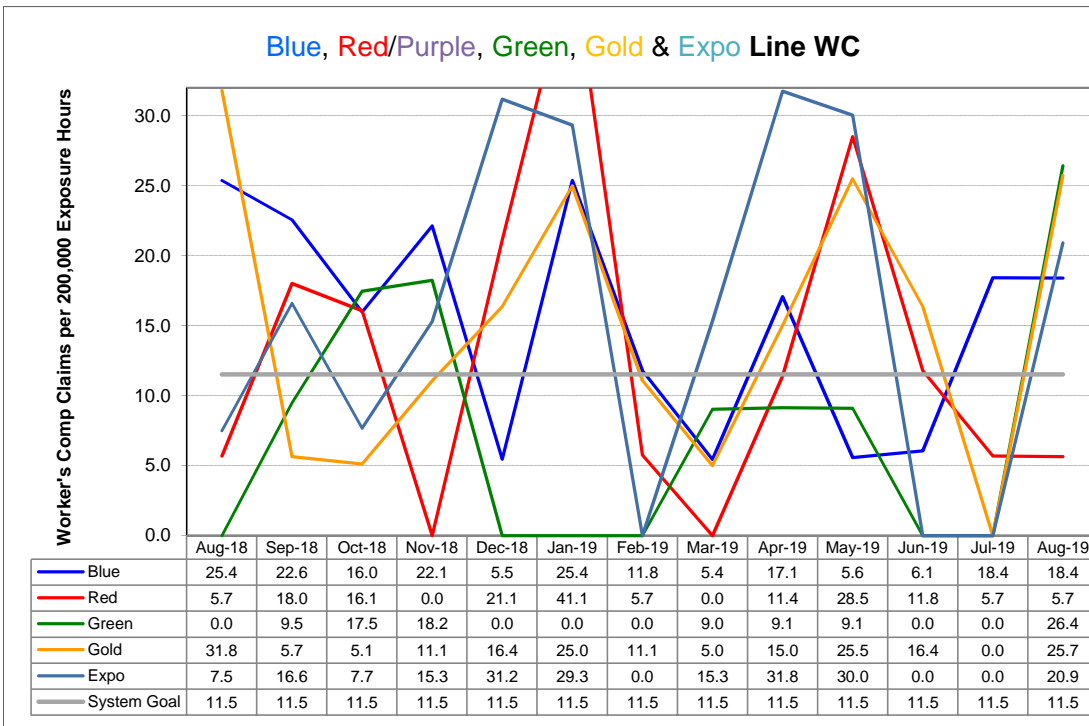




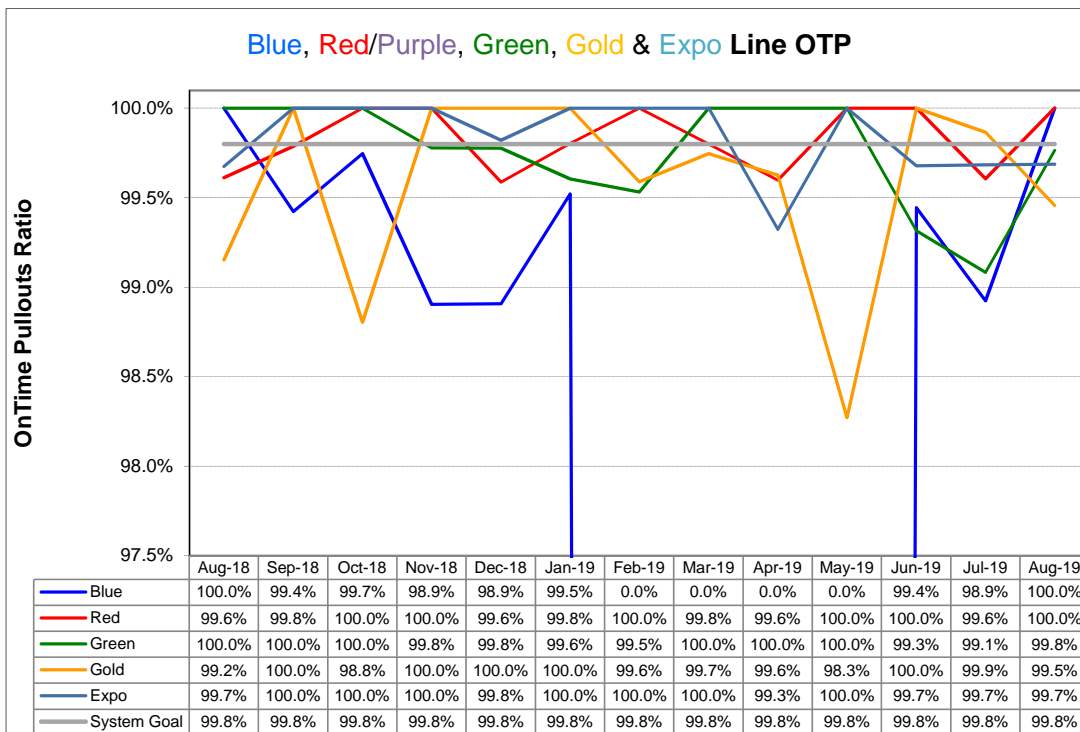
### Mean Miles Between Mechanical Failures by Line



### Workers Comp Claims by Line



On-Time Pullouts Ratio by Line

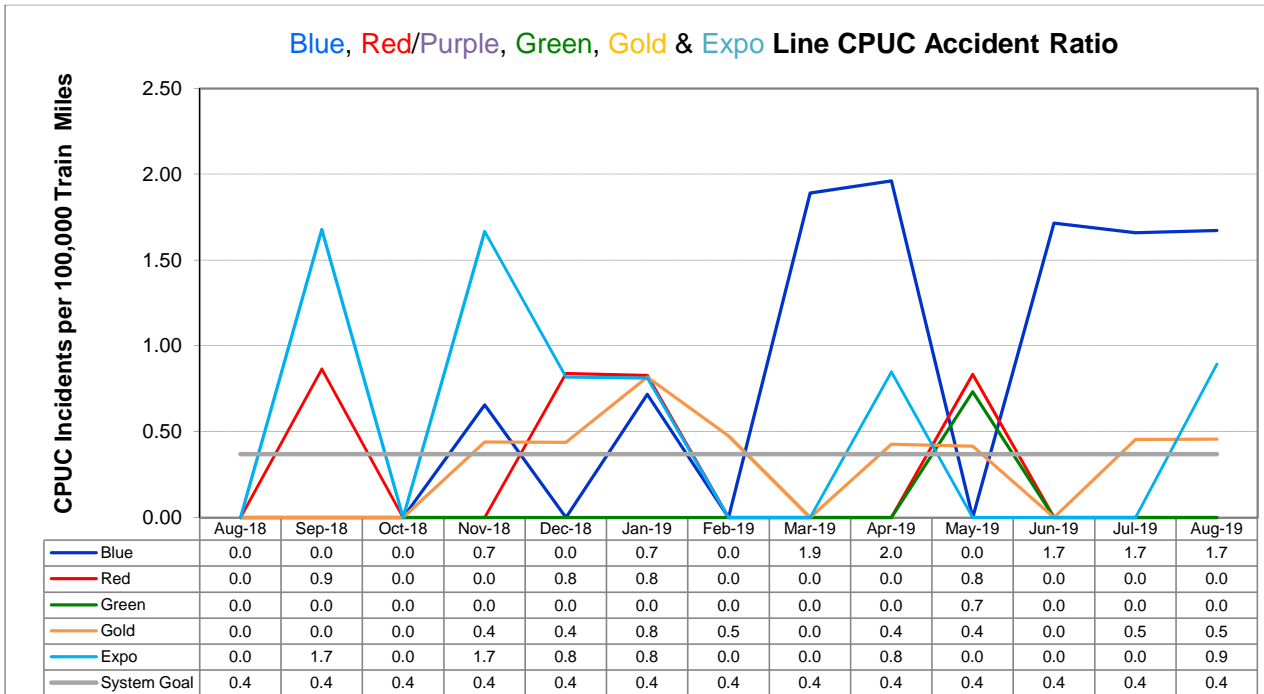


Due to Blue Line Construction, Blue pulled out of EXPO for Feb, Mar, Apr and May 2019.

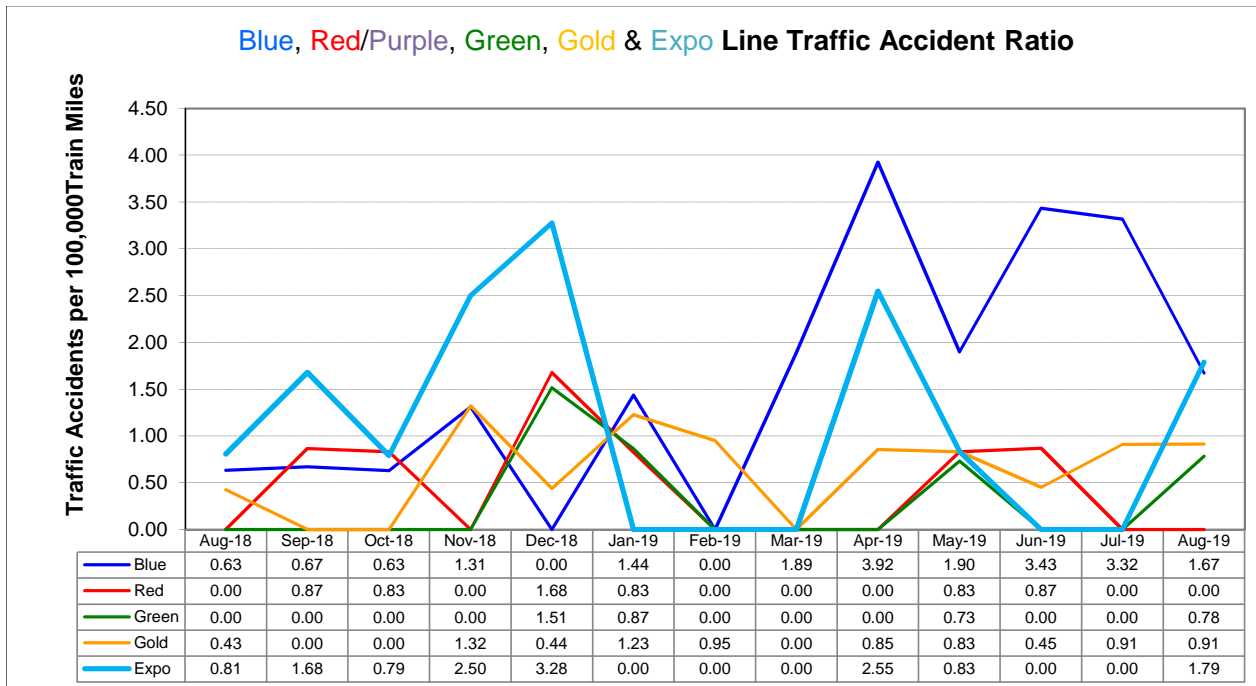
## Rail Safety Performance

### CPUC REPORTABLE INCIDENTS PER 100,000 TRAIN MILES

Aug 2019



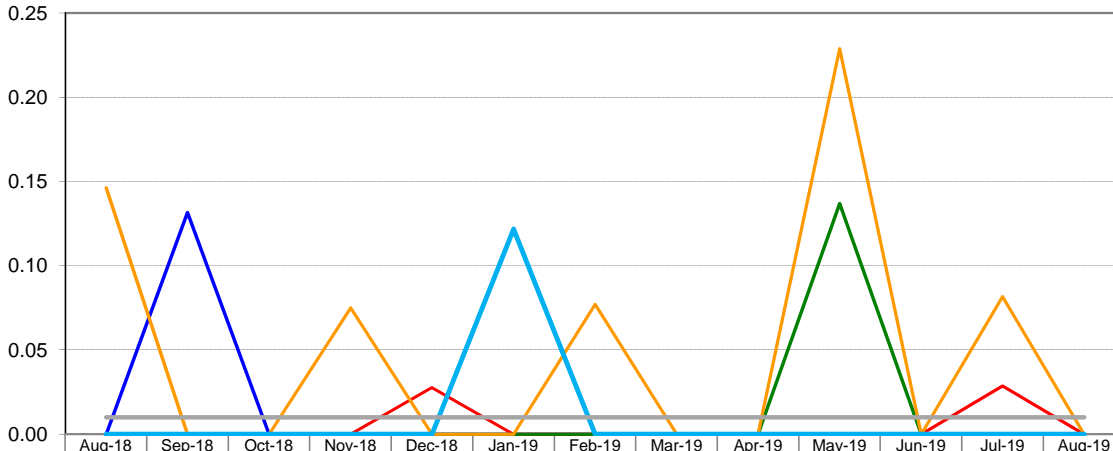
### TRAFFIC ACCIDENTS PER 100,000 TRAIN MILES



### PASSENGER ACCIDENTS PER 100,000 BOARDINGS

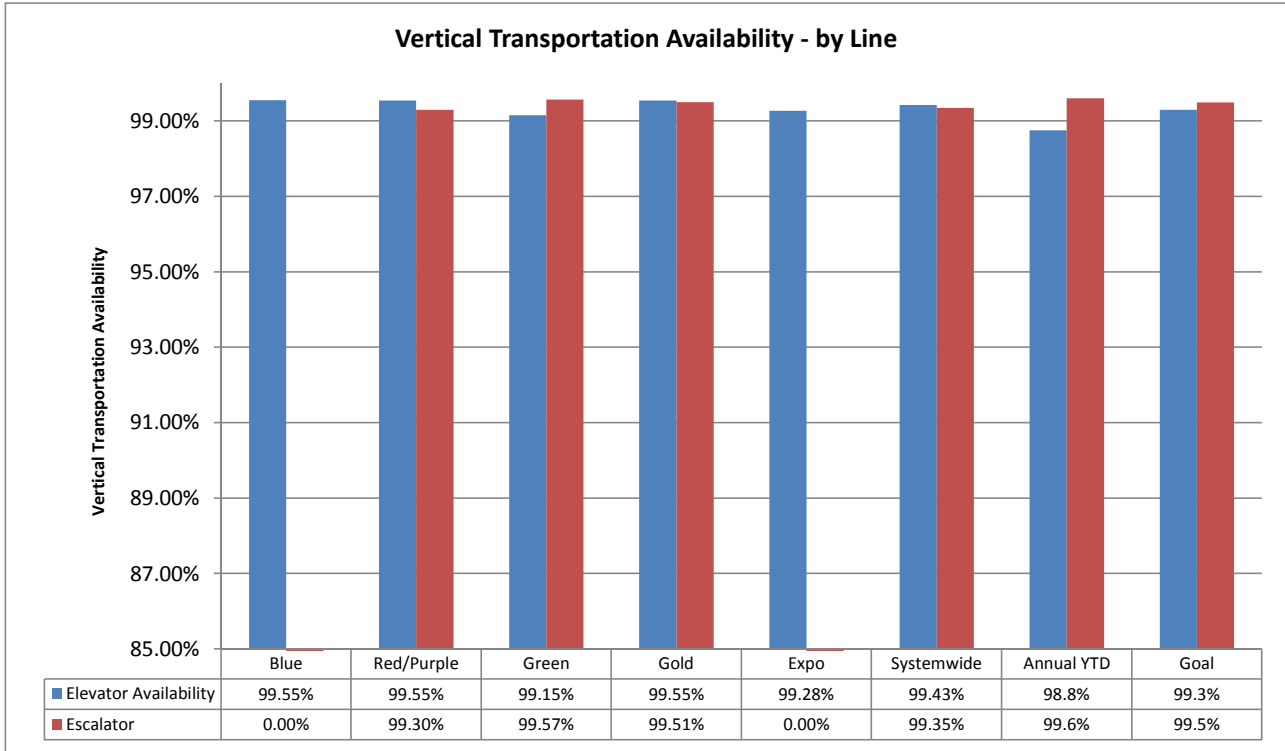
Blue, Red/Purple, Green, Gold & Expo Line Passenger Accident Ratio

Passenger Accidents per 100,000 Boardings

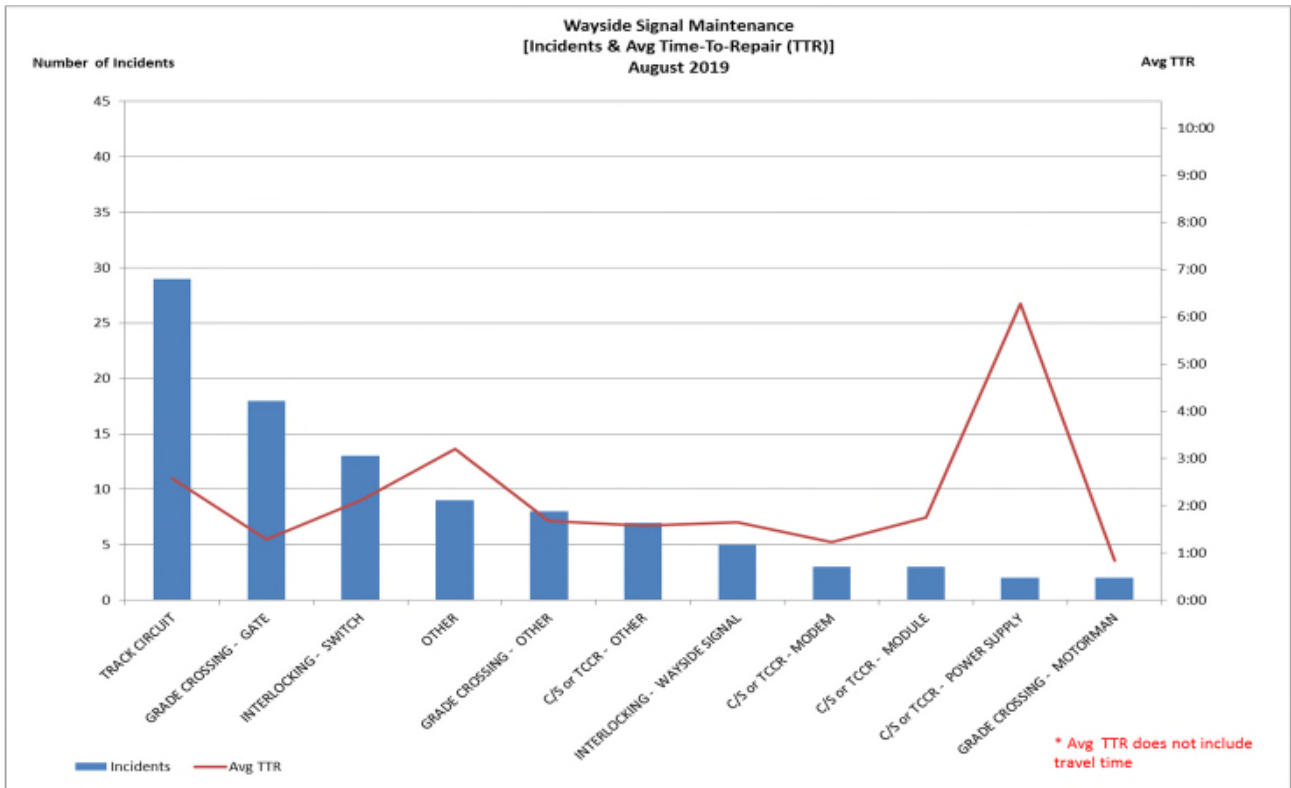


	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Blue	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Red	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Green	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00
Gold	0.15	0.00	0.00	0.08	0.00	0.00	0.08	0.00	0.00	0.23	0.00	0.08	0.00
Expo	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
System Goal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

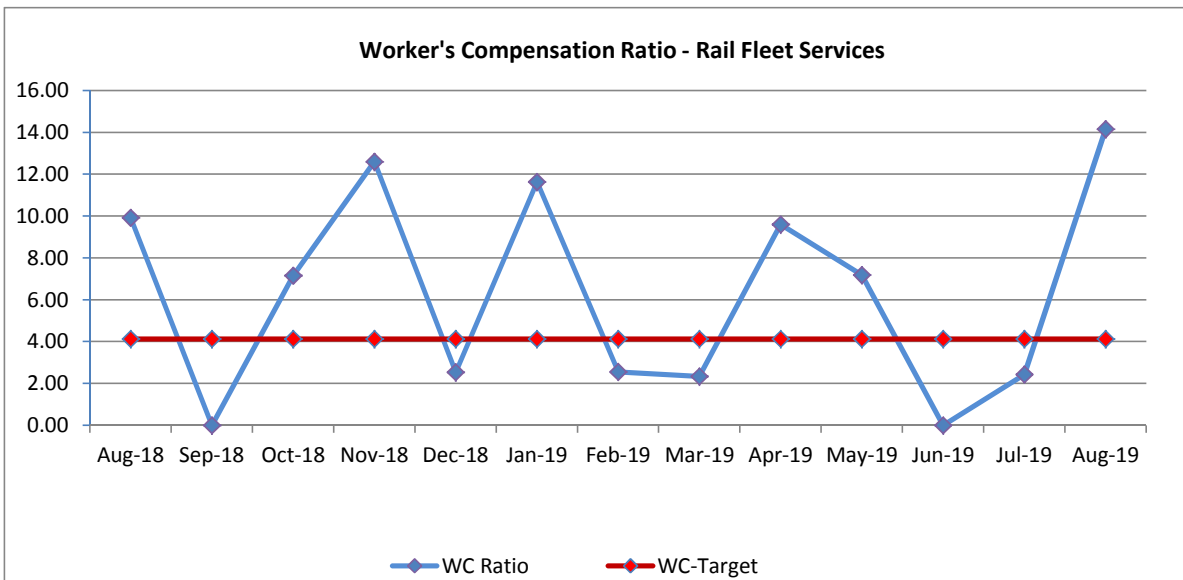
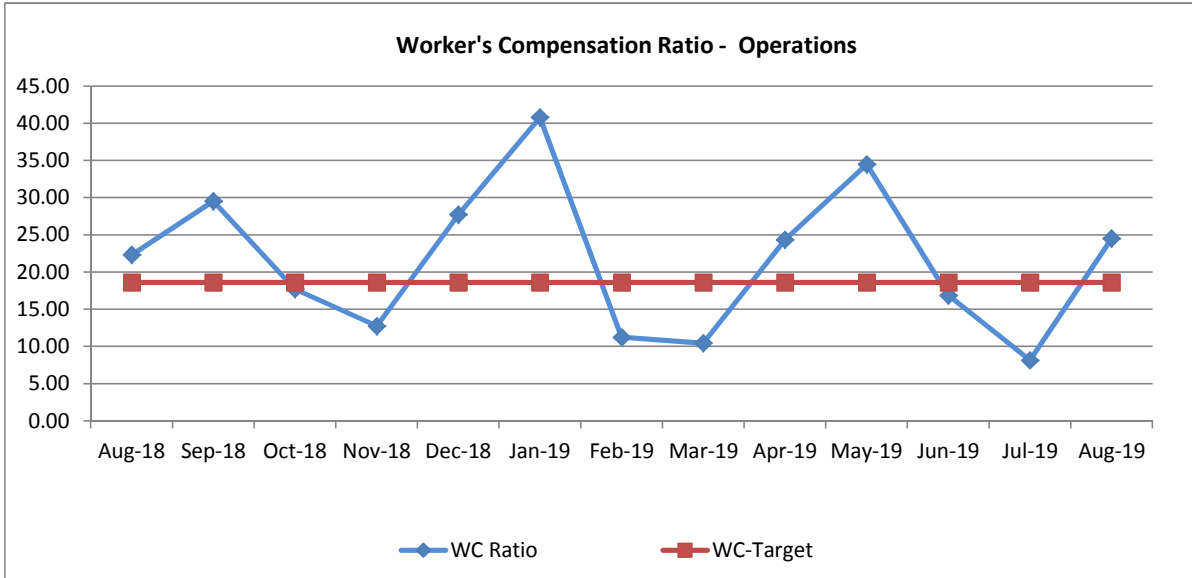
## Systemwide Vertical Transportation Availability by Line Aug 2019

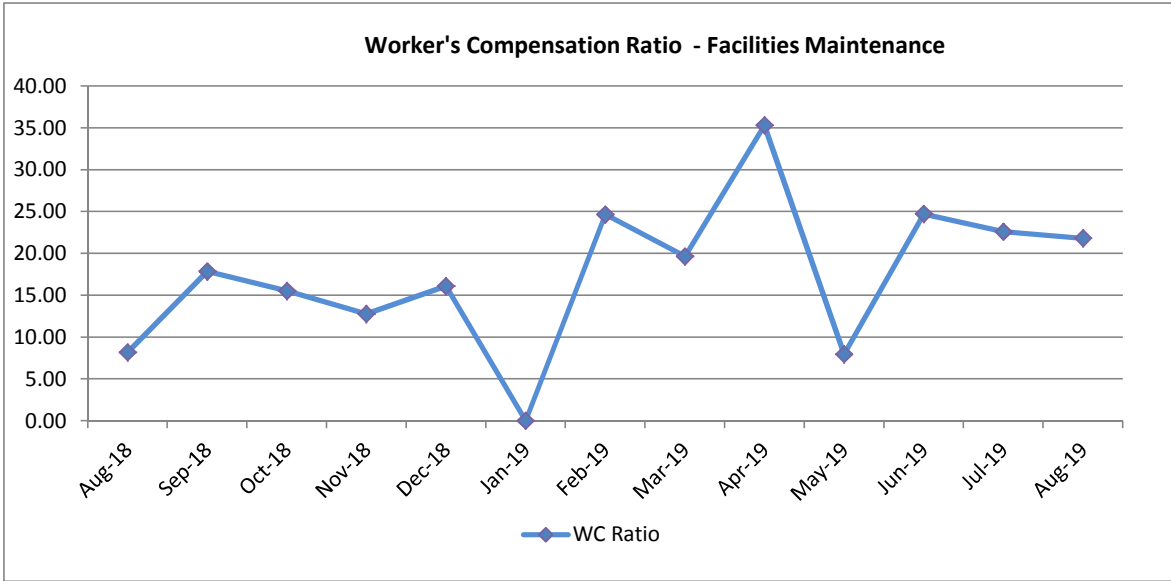
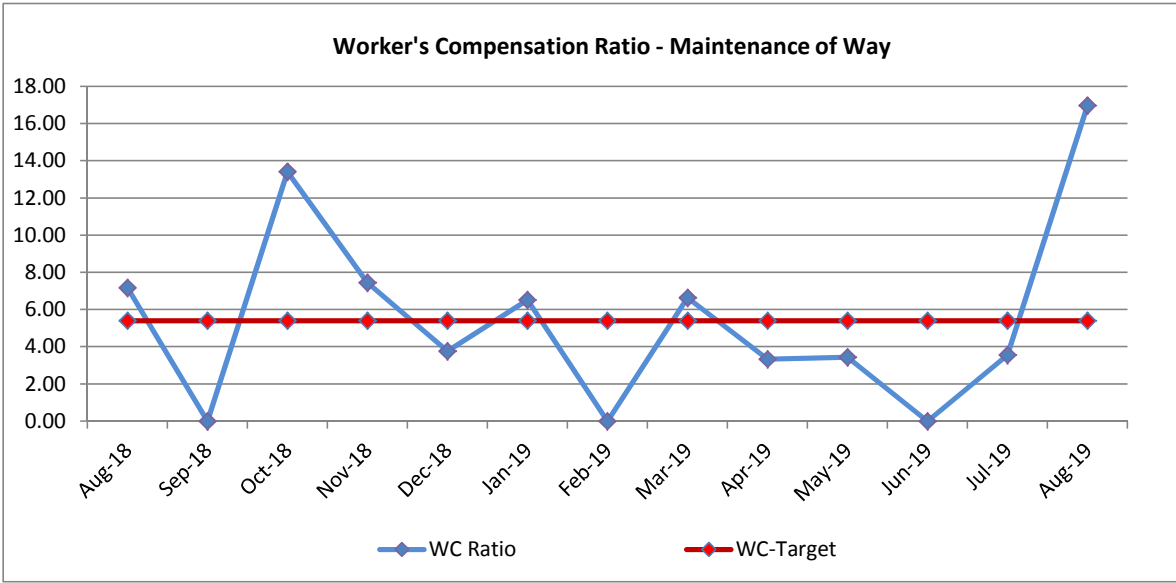


Note: No Escalators at Blue and Expo Lines



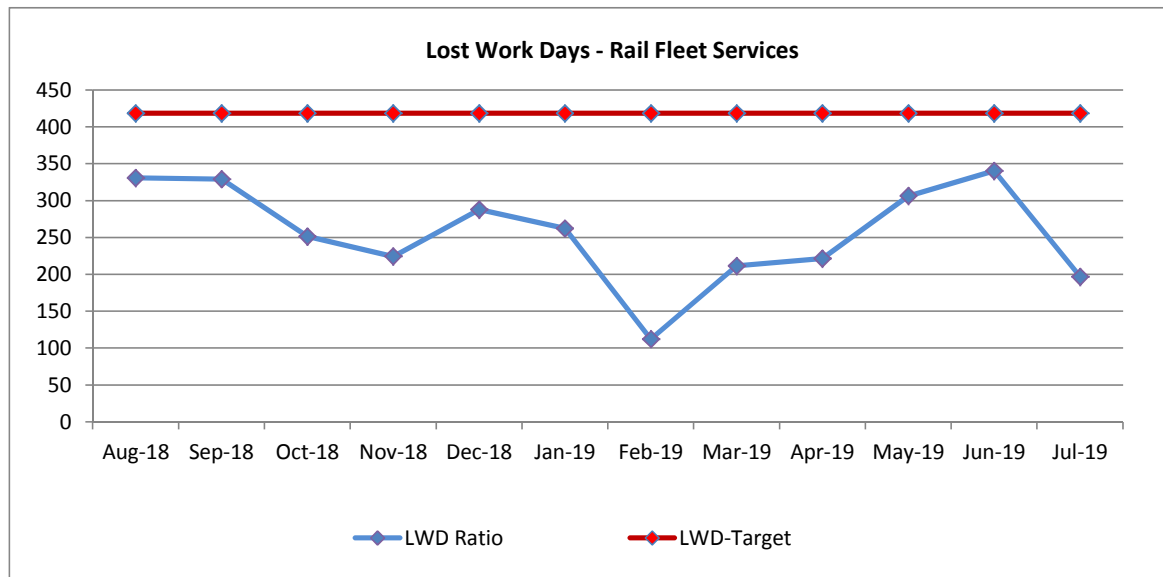
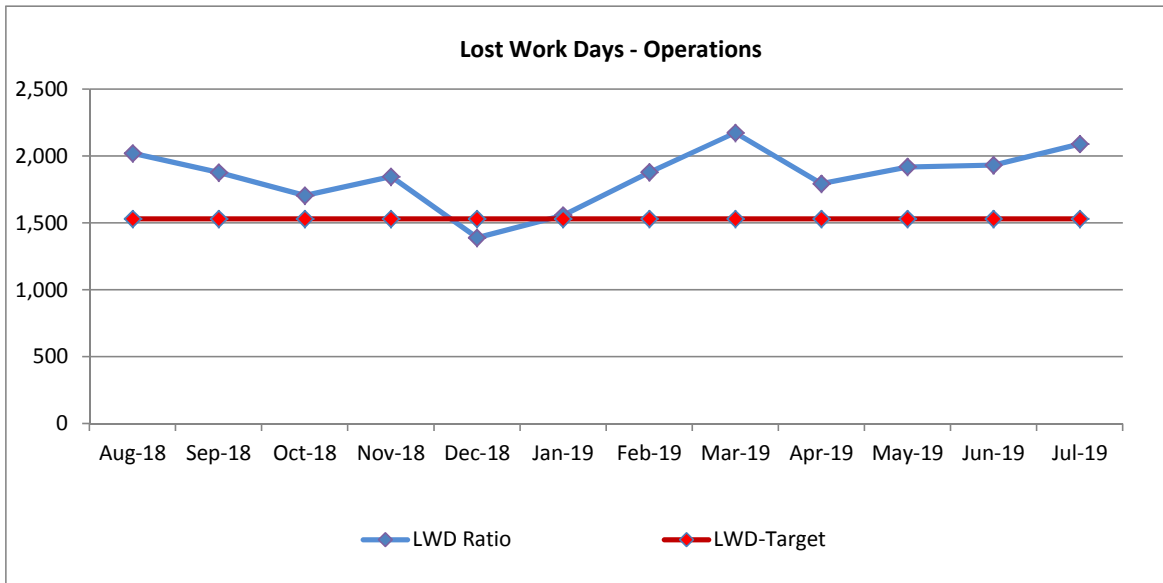
## Administrative Key Performance Indicators Worker's Compensation, Lost Work Days, OSHA Aug 2019



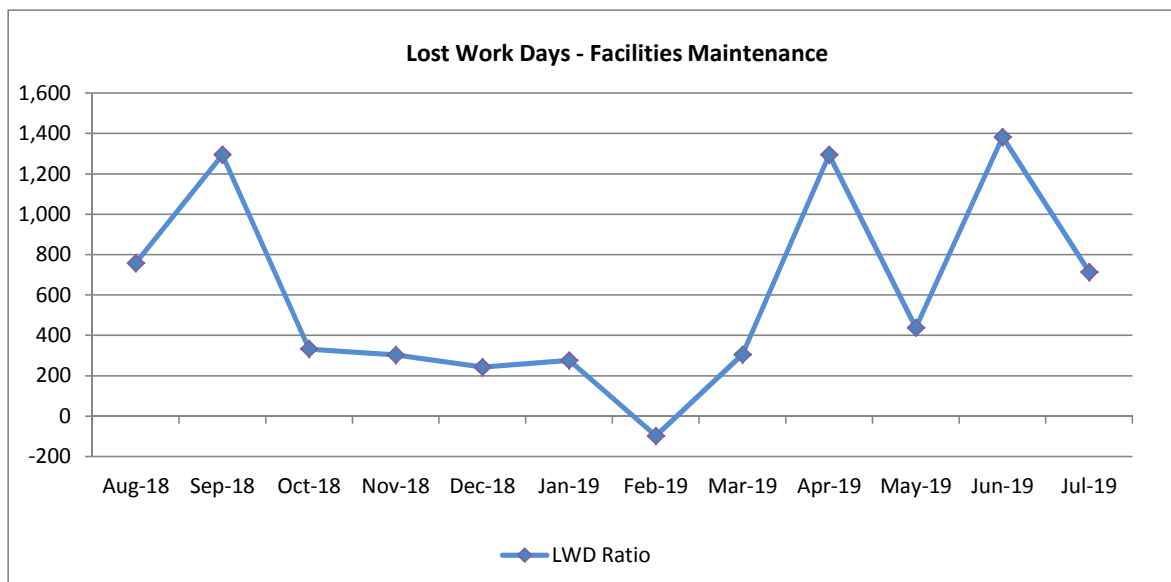
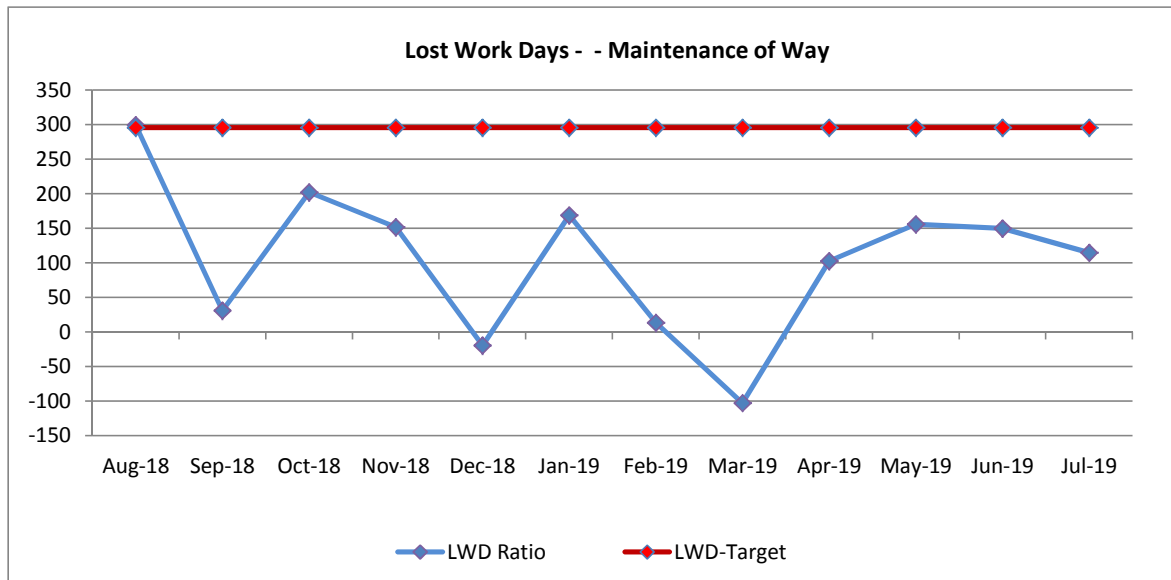


Facilities Maintenance goals to be established.



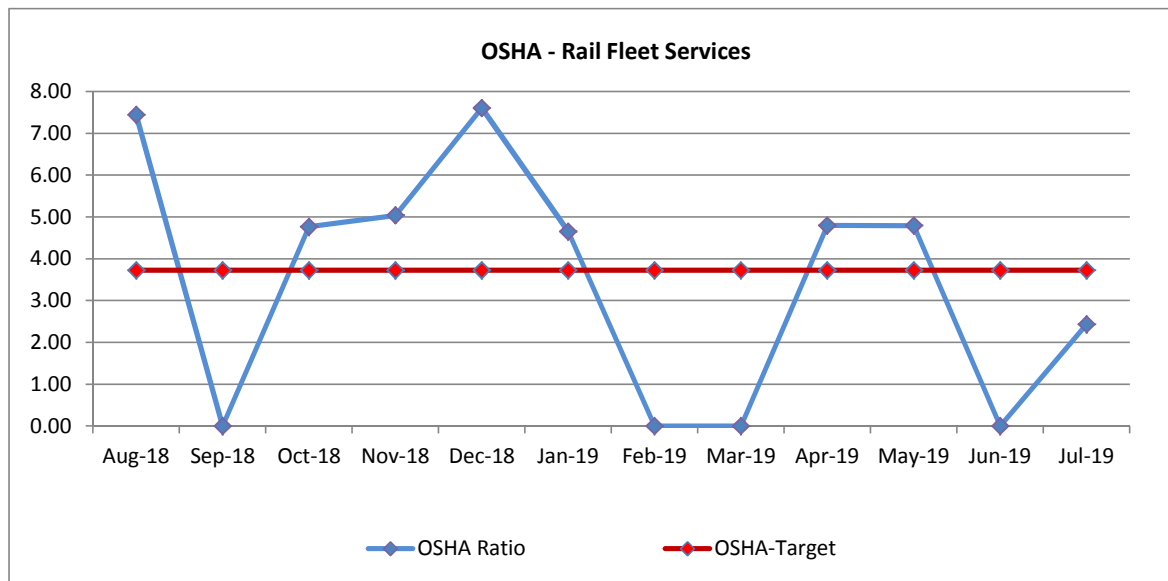
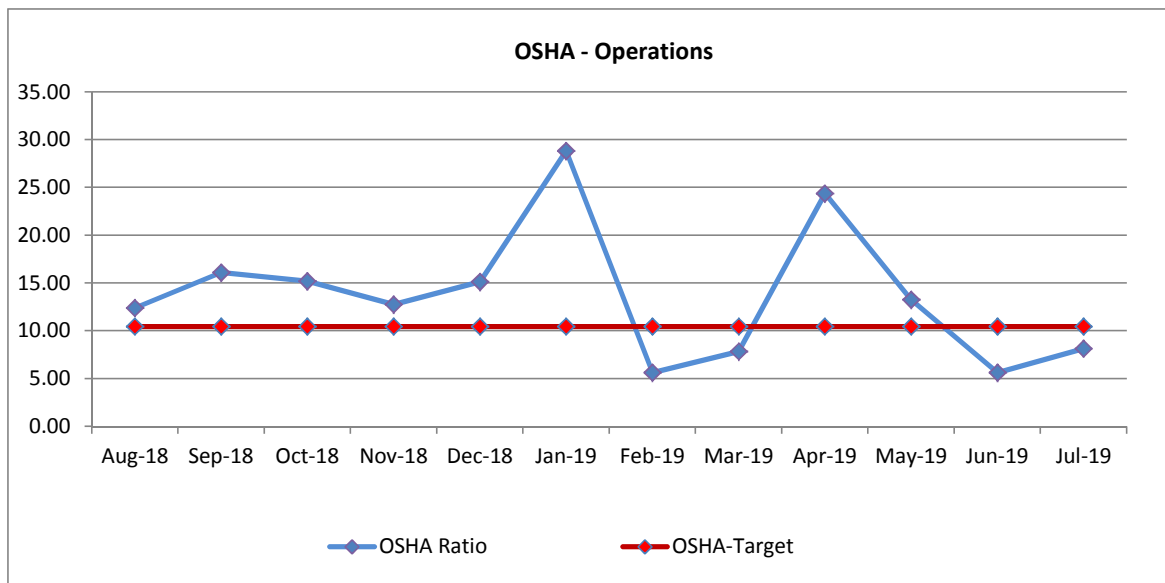


Note: There is a one month lag in Lost Work Days and OSHA data.

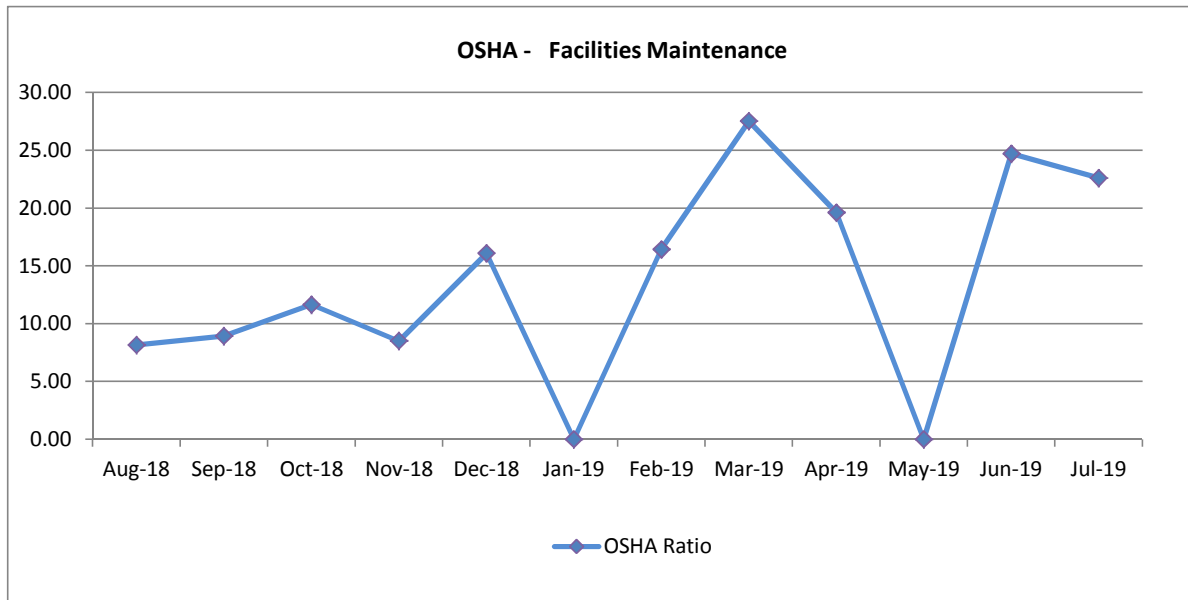
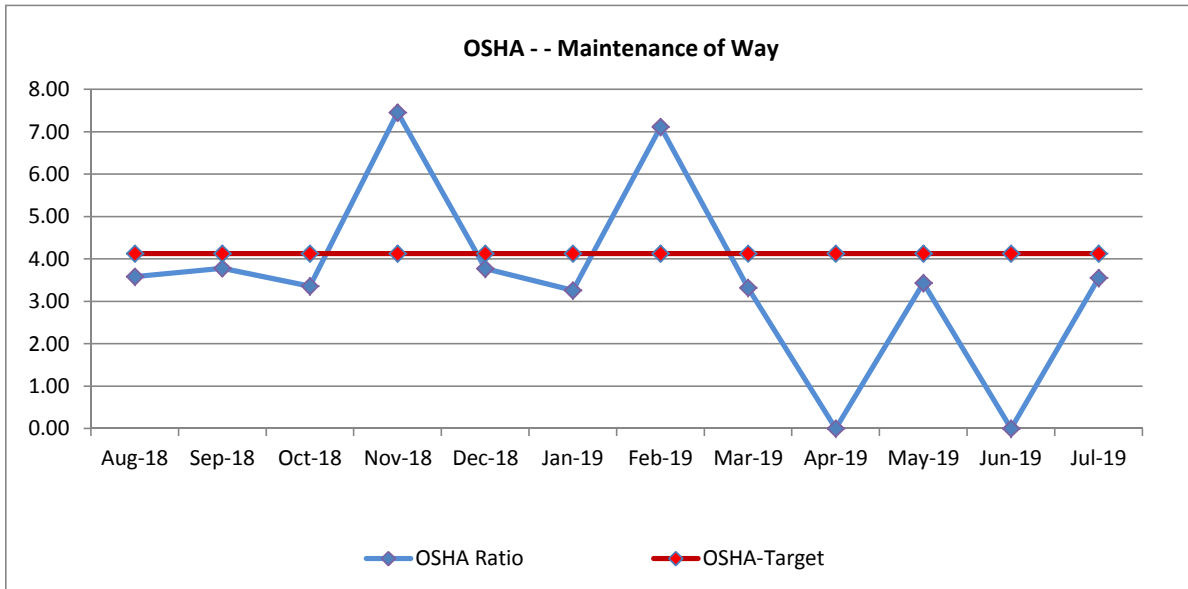


Facilities Maintenance goals to be established.

Note: There is a one month lag in Lost Work Days and OSHA data.



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Facilities Maintenance goals to be established.

Note: There is a one month lag in Lost Work Days and OSHA data.

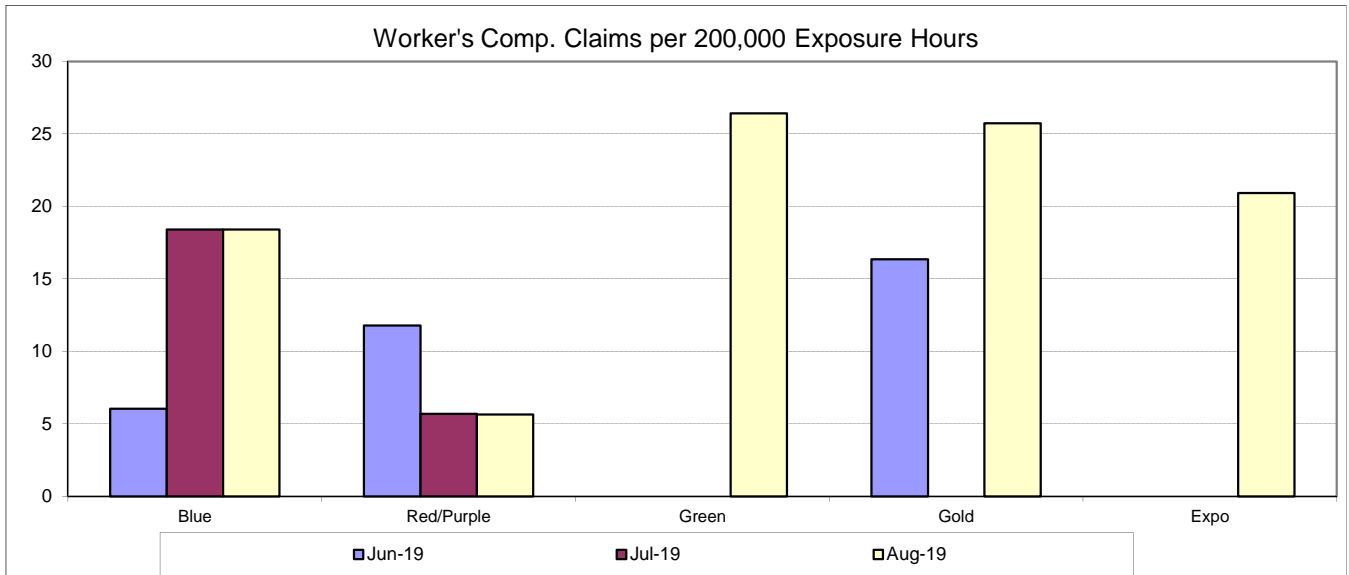
## Worker's Comp. Claims

Jun 2019 - Aug 2019

3 Month Comparison

**Worker's Comp Definition: Number of new reported Workers Compensation Indemnity and Medical claims filed per 200,000 exposure hours. This indicator measures safety.**

**Calculation:  $\text{New reported Workers' Compensation Indemnity and Medical claims filed per 200,000 Exposure Hours} = \text{New Claims} / (\text{Exposure Hours} / 200,000)$**



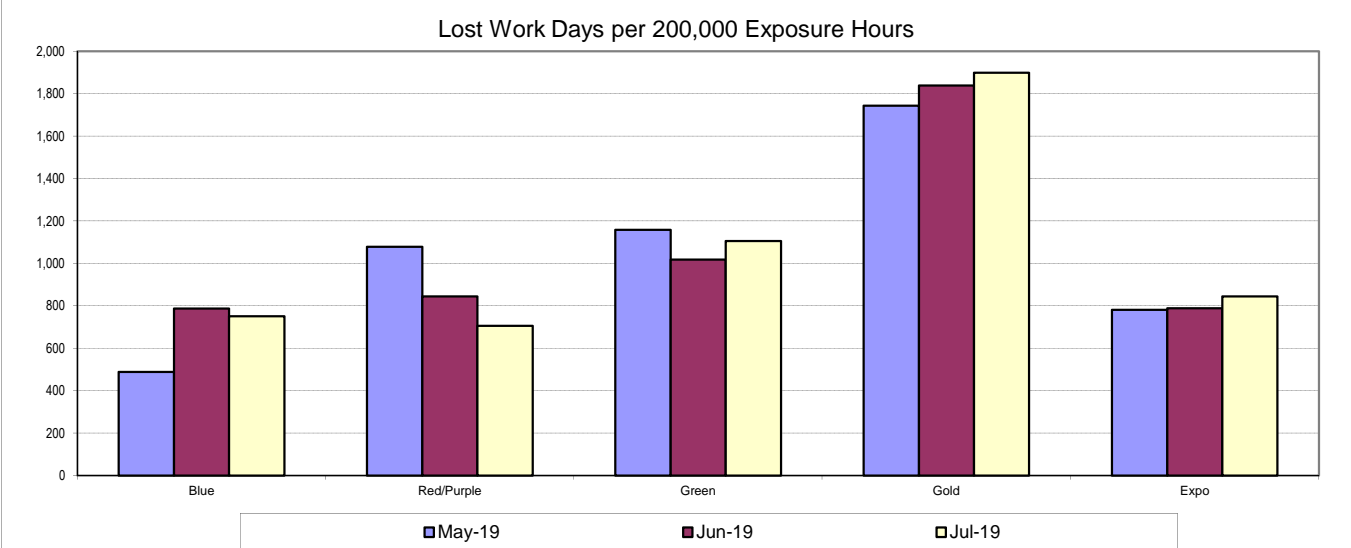
## Lost Work Days and OSHA Injuries

May 2019 - Jul 2019

3 Month Comparison

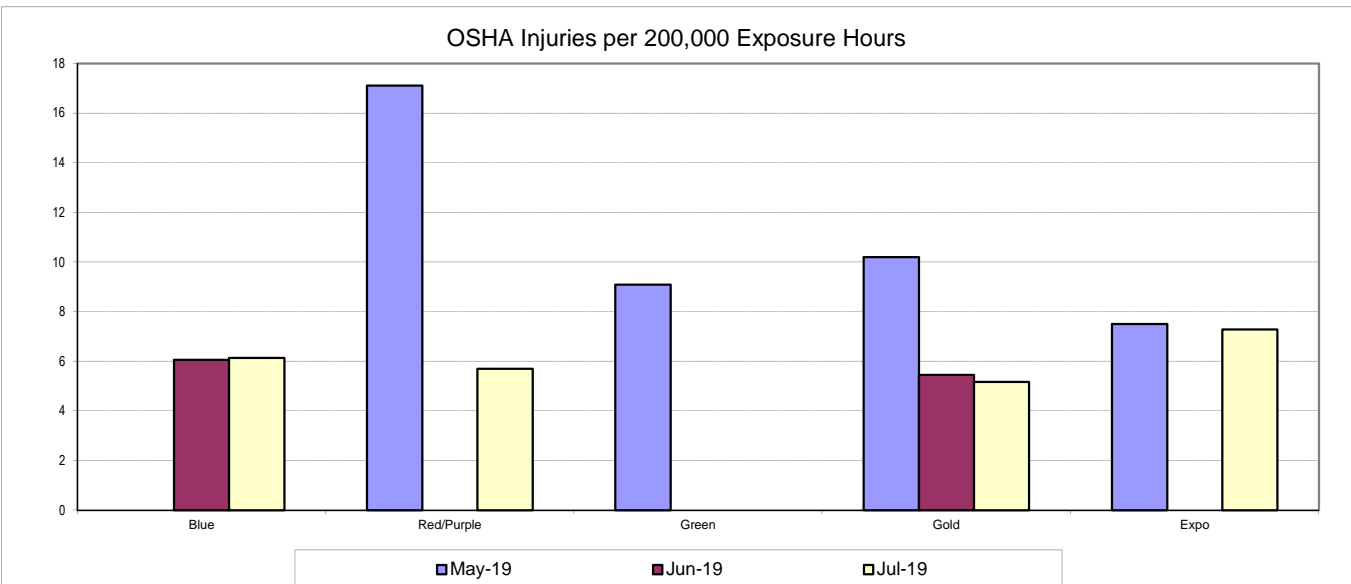
**LWD Definition: Number of paid working days lost due to employees workers' compensation injuries each month per 200,000 exposure hours. This indicator measures use of Transitional Duty Program.**

**Calculation: : (Total Temporary Disability Benefit Payments / Estimated TD Benefit Rate) x (5/7) / (Number Exposure Hours / 200,000)"**



**OSHA Definition: Work-related injuries and illnesses that result in: death, loss of consciousness, days away from work, restricted work activity or job transfer, or medical treatment beyond first aid which are filed per 200,000 exposure hours.**

**Calculation: New OSHA Injuries filed per 200,000 Exposure Hours = New Injuries / (Exposure Hours/200,000)**



Note: There is a one month lag in Lost Work Days and OSHA data.

## BLUE LINE

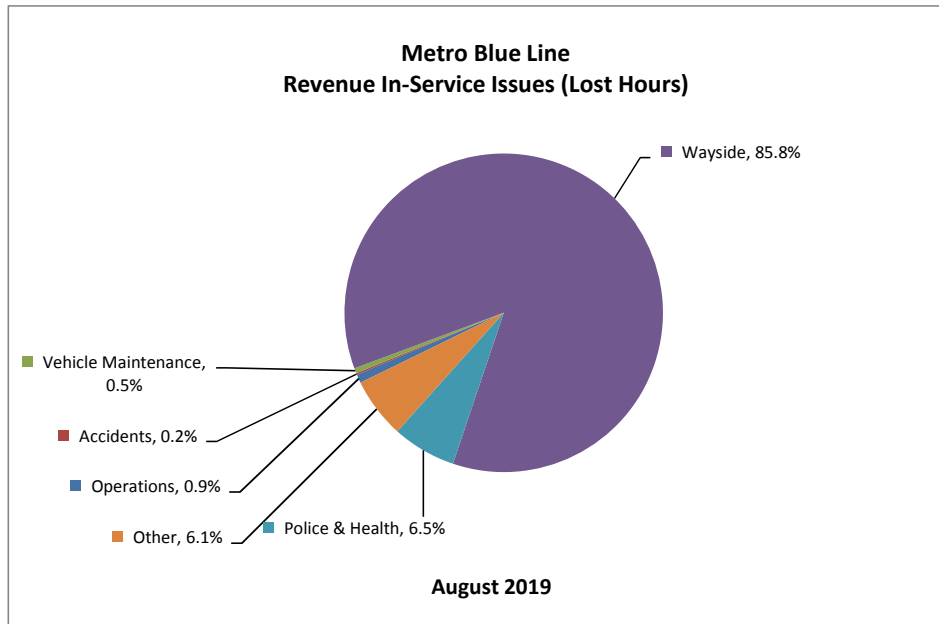
Out of a total of 10,829 hours operated, there were approximately 52 total hours of service delays.

August 2019 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	10,777	99.5%
Cancelled + Delayed Hours	52	0.5%
<b>Total Revenue Hours</b>	<b>10,829</b>	<b>100.0%</b>

Summary of the incidents:	Count	Hours	Percent
Operations	3	0.5	0.9%
Accidents	1	0.1	0.2%
Vehicle Maintenance	3	0.3	0.5%
Wayside	6	44.7	85.8%
Police & Health	4	3.4	6.5%
Other	3	3.2	6.1%
<b>Total</b>	<b>20</b>	<b>52.1</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy

The number of incidents on the following page may differ from the summary count due to some incidents not properly designated as Cancelled or Delayed



**August 2019 Blue Line incidents causing delay were as follows:**

**Operations Incidents:**

**8/1/2019 4:17:00 AM - Incident# 3181607 (0 lost trips, 5 lost minutes)**

Train was late out of MBL Yard

Train 103

T-164

1116-1073-1087

Yard Control, Arrival Trk., Northbound

**8/20/2019 1:13:00 AM - Incident# 3189503 (0 lost trips, 12 lost minutes)**

Pink Letter P-755 Del Amo Turn Backs.

**8/29/2019 10:40:00 PM - Incident# 3194123 (0 lost trips, 11 lost minutes)**

Work denied due to emergency OCS Inspection.

**Accidents:**

**8/22/2019 12:54:00 PM - Incident# 3190785 (0 lost trips, 5 lost minutes)**

T-125 on Train 106 states 10-73 departing 1st Station southbound.

Train 106, Lead car (1107A)-1118-1130, 1st St. Station, Southbound. Track 2.

**Vehicle Maintenance Incidents:**

**8/16/2019 6:26:00 PM - Incident# 3188472 (0 lost trips, 4 lost minutes)**

Car 1073B loss of cab signal.

T-59

Train 101

Cars (1073B)-1135-1079

Spring St, Track 1, northbound.

**8/24/2019 6:56:00 PM - Incident# 3191641 (0 lost trips, 8 lost minutes)**

Doors 1/2

Train 103

T-237

1085-(113A)-1102

Northbound, Track 1 Wadlow station.

**8/29/2019 6:11:00 AM - Incident# 3193695 (0 lost trips, 3 lost minutes)**

Doors do not open on cars #1122-(1135)-1100

Train #105

T-433

Willow Street, track #2, Southbound.



### **Wayside Incidents:**

**8/13/2019 4:40:00 PM - Incident# 3186953 (0 lost trips, 10 lost minutes) CHARGEABLE**

Main Yard Interlocking out of correspondence

Train 105

T-201

Southbound Track #2

1106-1091-1075

Train 104

T-306

Northbound Track #1

1077-1118-1107

**8/14/2019 3:15:00 PM - Incident# 3187425 (15 lost trips, 2,622 lost minutes) CHARGEABLE**

OCS: Broken Dropper/Hanger Wire

Train 105

T-026

1138-1112-(1080)

Southbound, Track 2 Willow station.

**8/23/2019 8:43:00 PM - Incident# 3191359 (0 lost trips, 10 lost minutes) CHARGEABLE**

Systems Intergrated Testing

**8/29/2019 4:16:00 PM - Incident# 3194009 (0 lost trips, 10 lost minutes) CHARGEABLE**

T-132 on Train 105 states there is a broken hanger wire just north of mile post marker 16.3 on track 2 side.

Location is at the Main Yard Interlocking.

Train 105, Main Yard Interlocking, Track 1, Northbound.

**8/29/2019 10:14:00 PM - Incident# 3194121 (0 lost trips, 20 lost minutes) CHARGEABLE**

Emergency OCS Repair/Inspection

**8/30/2019 10:02:00 AM - Incident# 3194315 (0 lost trips, 15 lost minutes) CHARGEABLE**

1) Manville grade crossing 2) Myrrh grade crossing, Section Insulator Damage requiring emergency single tracking to accommodate repairs utilizing Hi-Rail vehicle.

### **Police & Health Incidents:**

**8/14/2019 12:59:00 PM - Incident# 3187326 (0 lost trips, 5 lost minutes)**

Blockade at Wardlow crossing.

Train 103

T-082

1117-1087-1123

Northbound, Track 1 Wardlow station.

**8/20/2019 4:59:00 PM - Incident# 3189901 (1 lost trip, 177 lost minutes) CHARGEABLE**

Blockade  
Train 101  
T-175  
1075-1093-1101  
Southbound, Track 2 Long Beach and 1st street.

**8/22/2019 12:32:00 PM - Incident# 3190776 (0 lost trips, 12 lost minutes) CHARGEABLE**  
T-26 states male patron was having a seizure on Train 102 car 1080.

Train 102, cars 1080-1136-1137, Approaching PCH station, Track 1, Northbound.

**8/23/2019 11:00:00 PM - Incident# 3191389 (0 lost trips, 8 lost minutes) CHARGEABLE**  
Passenger activating emergency door release.

### **Other Incidents:**

#### **Unable to Duplicate:**

**8/23/2019 1:05:00 AM - Incident# 3190941 (0 lost trips, 2 lost minutes)**

All southbound trains are to enter transit mall no more than 10 mph due to heavy vehicle and pedestrian traffic.

**8/12/2019 9:17:00 PM - Incident# 3186531 (0 lost trips, 16 lost minutes)**

Train Operator T-69 reports misaligned door.

Train 105

T-69

Cars (1079A)-1135-1073

Southbound, track 2, Compton Station

#### **Reset**

**8/27/2019 4:25:00 AM - Incident# 3192564 (1 lost trip, 174 lost minutes) CHARGEABLE**

Train 104 reports Propulsion Faults at the Blue Line Yard.

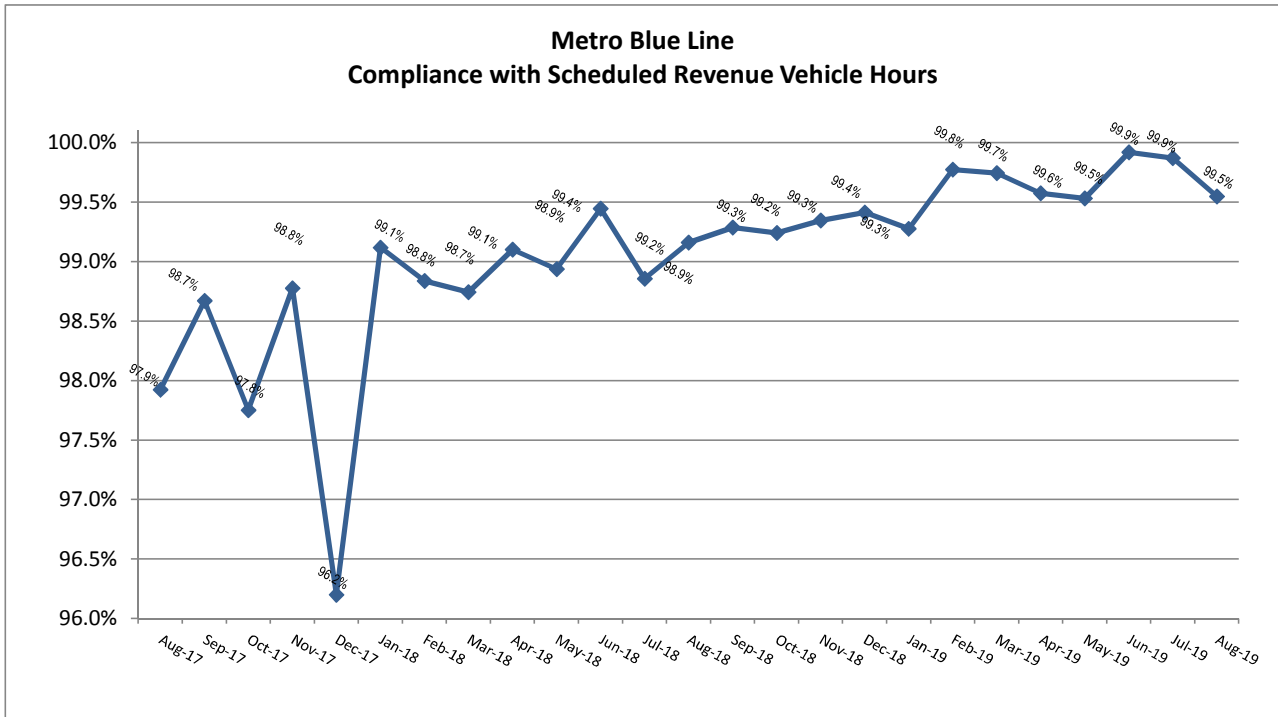
Train 104

T-258

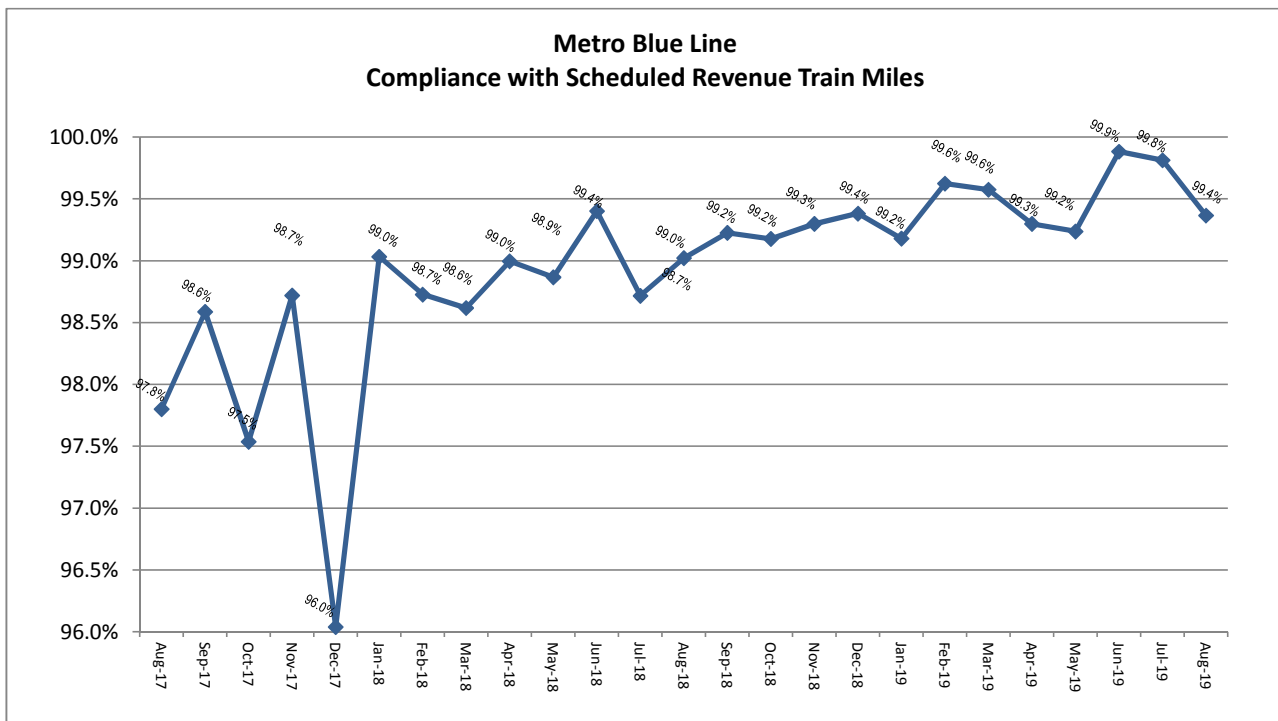
LRV'S 1139-1082-1086

Blue Line Yard.

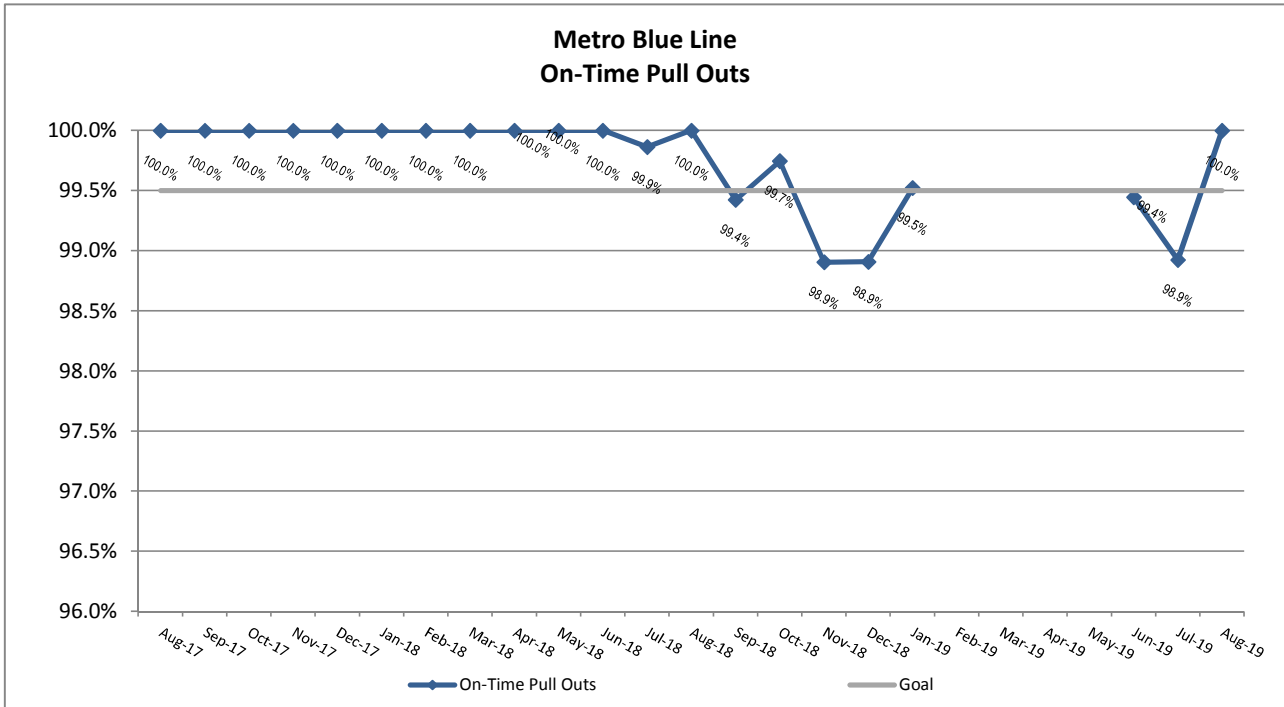
**MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS**  
**COMPLIANCE WITH SCHEDULED VEHICLE HOURS**  
**Aug 2019**



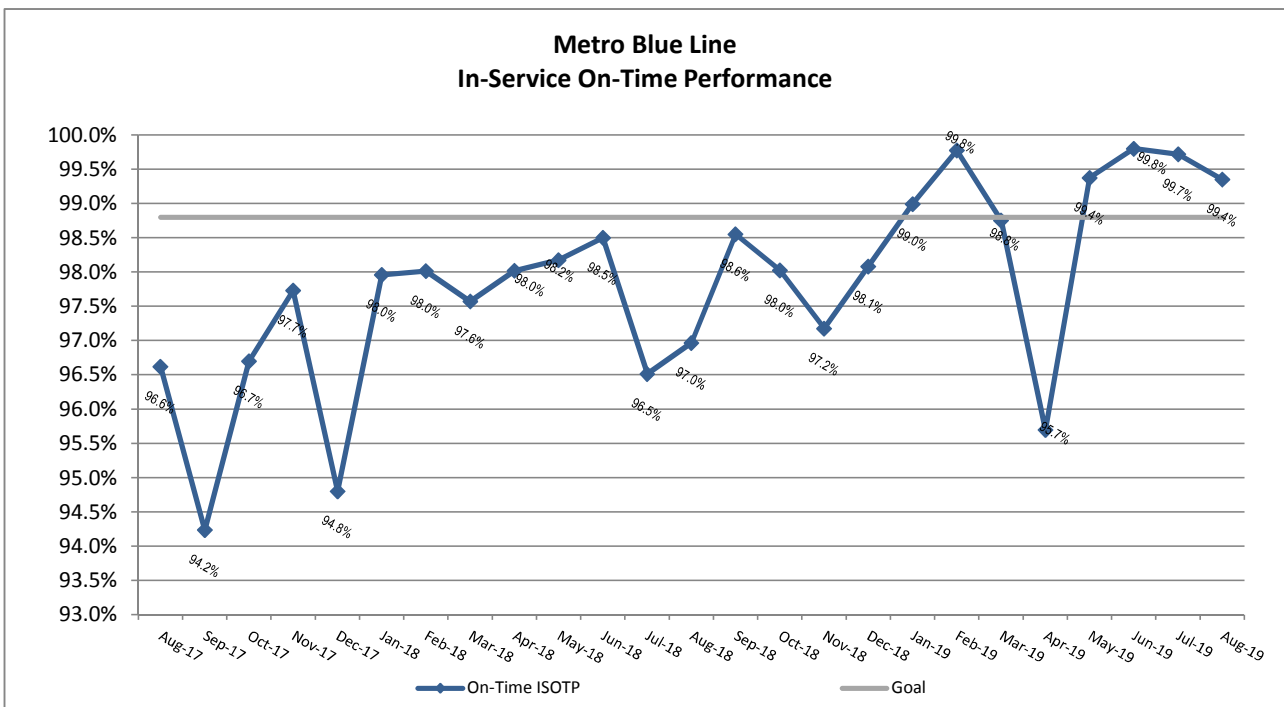
**COMPLIANCE WITH SCHEDULED TRAIN MILES**



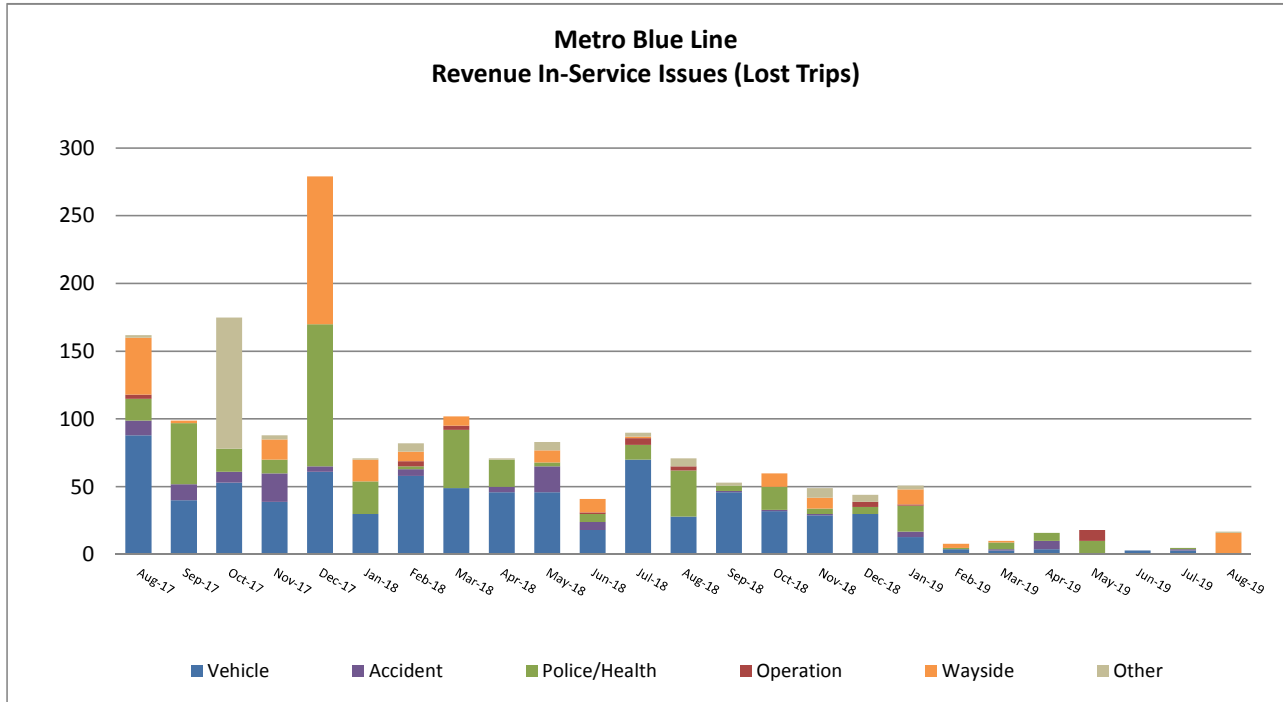
### ON-TIME PULL OUTS



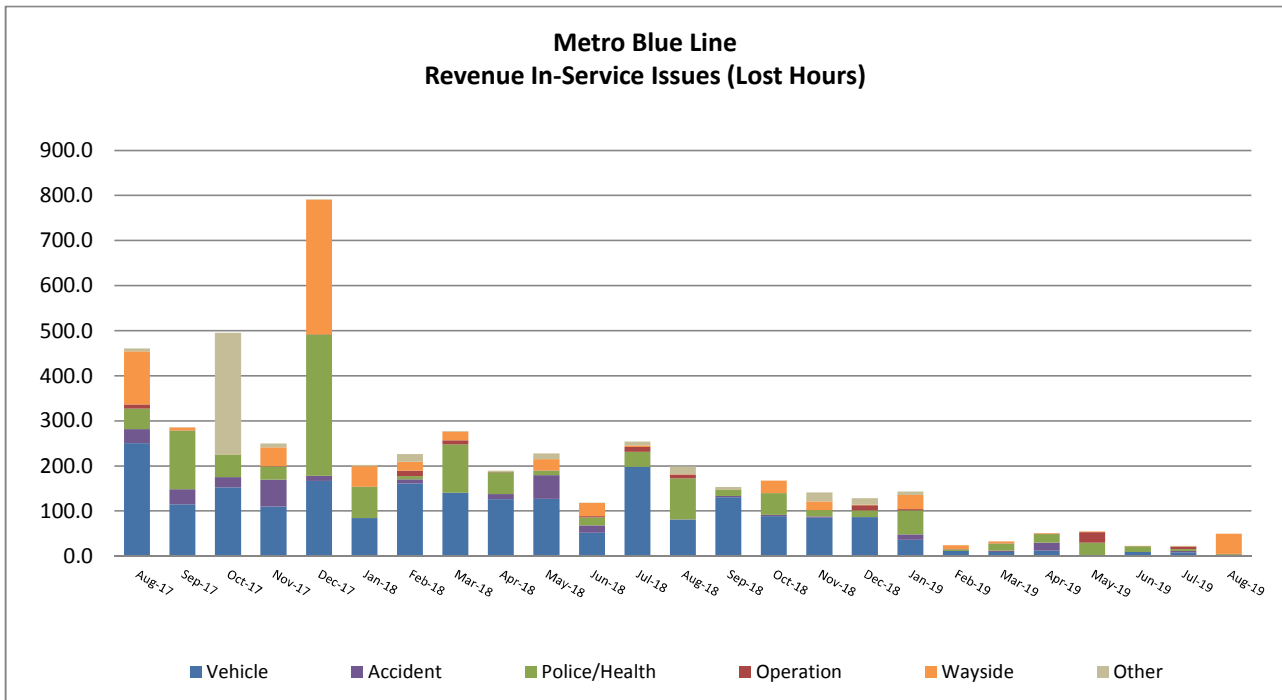
### IN-SERVICE ON-TIME PERFORMANCE CHART



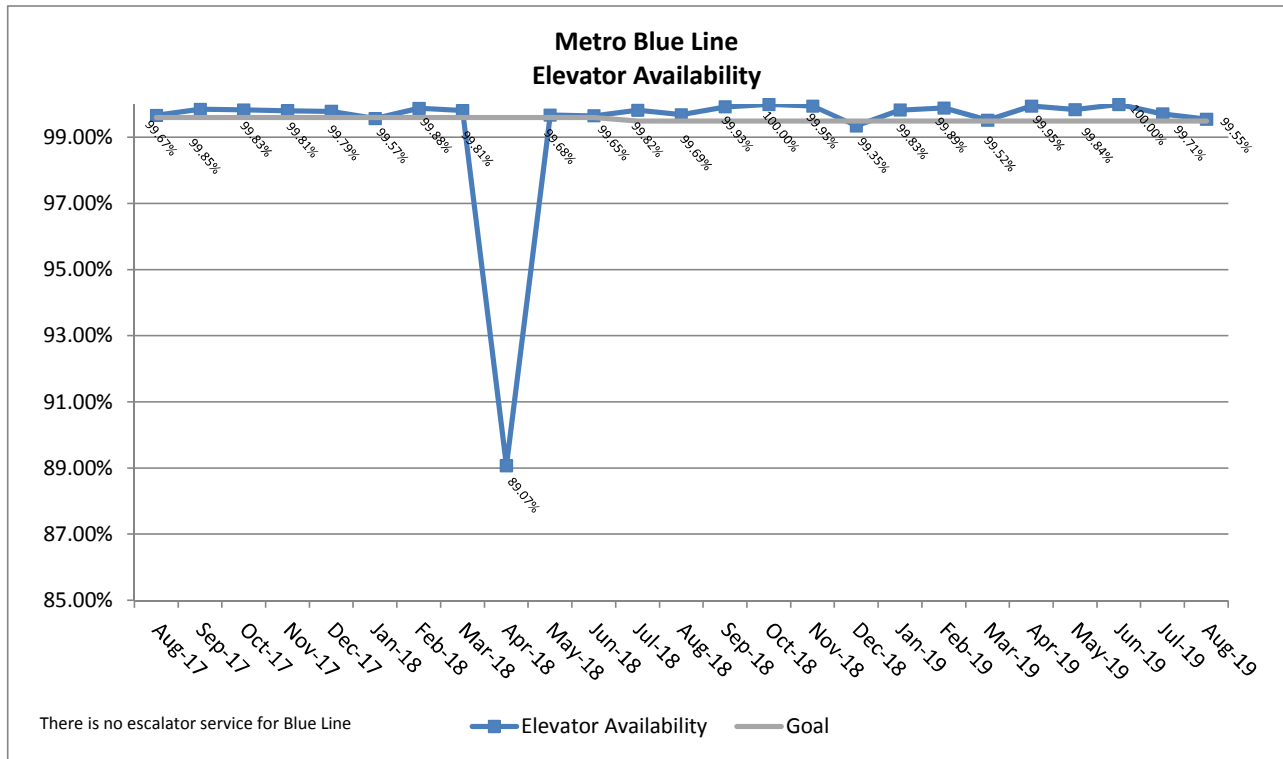
## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY



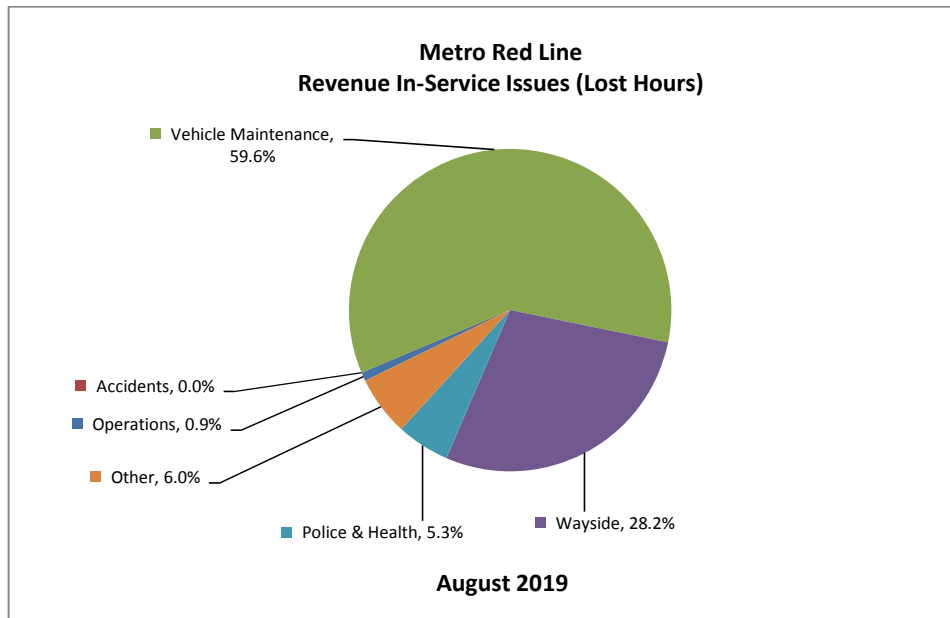
## RED LINE

Out of a total of 27,447 hours operated, there were approximately 58 total hours of service delays.

August 2019 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	27,389	99.8%
Cancelled + Delayed Hours	58	0.2%
<b>Total Revenue Hours</b>	<b>27,447</b>	<b>100.0%</b>

Summary of the incidents:	Count	Hours	Percent
Operations	1	0.5	0.9%
Accidents	0	0.0	0.0%
Vehicle Maintenance	14	34.2	59.6%
Wayside	7	16.2	28.2%
Police & Health	7	3.1	5.3%
Other	5	3.4	6.0%
<b>Total</b>	<b>34</b>	<b>57.4</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy  
 The number of incidents on the following page may differ from the summary count due to some incidents not properly designated as Cancelled or Delayed



## **August 2019 Red Line incidents causing delay were as follows:**

### **Operations Incidents:**

#### **8/12/2019 10:40:00 PM - Incident# 3186544 (0 lost trips, 30 lost minutes)**

Service delay from N/H to V/B East and West due to Hi rail vehicle traveling from the Yard to the work location between V/M and H/V AL track. (M3 # 3,186,506)

### **Vehicle Maintenance Incidents:**

#### **8/1/2019 4:44:00 PM - Incident# 3182047 (0 lost trips, 10 lost minutes)**

Doors 6/8 are off track on consist 601,602,587,588,579(580).

Westlake Station

Train #214, T-378, AR, westbound.

#### **8/2/2019 2:11:00 PM - Incident# 3182453 (0 lost trips, 3 lost minutes)**

Recurring emergency brake application entering Union Station. (543)544,557,558,533,534.

Yard Limit to Union Station

Train #214, T-420, YR, westbound.

#### **8/4/2019 3:49:00 PM - Incident# 3183061 (0 lost trips, 10 lost minutes)**

Flashing cab signals/Emergency brake application.

Train 208

T-31

569-570-567-(568)

North Hollywood Il. East

#### **8/6/2019 5:36:00 PM - Incident# 3184038 (8 lost trips, 1,194 lost minutes)**

Car 522 smoking brakes.

T-61

Train 202

Cars 527-(522)-515-516

W/Western Station, BR, eastbound.

#### **8/6/2019 6:18:00 PM - Incident# 3184052 (0 lost trips, lost minutes)**

Train 217 lost cab signals at Westlake Station eastbound on the AL.

Car 568/567/569/570/547548.

T-532.

#### **8/7/2019 6:33:00 AM - Incident# 3184193 (0 lost trips, 12 lost minutes) CHARGEABLE**

Train operator reports of no movement

Train 204

T-254

(534)

North Hollywood, AL, Eastbound



**8/7/2019 7:01:00 AM - Incident# 3184208 (1 lost trip, 150 lost minutes)**

Train operator reports of no movement

Train 202

T-169

511-512-523-528

Wilshire Western, BR, Eastbound

**8/8/2019 12:20:00 PM - Incident# 3184887 (1 lost trip, 150 lost minutes)**

Service brake failure.

Train #203

T-254

Cars #545-546-(603)-604.

E/Bound Westlake Station A/L Track.

**8/8/2019 7:53:00 PM - Incident# 3185053 (0 lost trips, 36 lost minutes)**

No movement with cab signals.

Train -206

T-420

Cars #573-(574)-567-568.

E/Bound Wilshire Vermont Station A/L Track.

**8/19/2019 5:36:00 AM - Incident# 3189036 (0 lost trips, 5 lost minutes)**

Flashing cab signals

Train 201

593-594/549-550/533-(534)

T-435

North Hollywood, AR, Eastbound

**8/19/2019 2:11:00 PM - Incident# 3189312 (0 lost trips, 10 lost minutes)**

T-365

Train 209

Operator reports friction brakes will not release in car 569.

North Hollywood AR east

577, 578, (569), 570

**8/20/2019 11:16:00 PM - Incident# 3189992 (0 lost trips, 10 lost minutes)**

Train Operator reports no movement at the West Interlocking, Union Station. Emergency Brake does not release.

Cars: 577-578 565-566 561-(562).

Train 215.

**8/22/2019 8:19:00 AM - Incident# 3190657 (2 lost trips, 298 lost minutes)**

Train 208

T-271

Operator reports service brake failure on car 522.

Wilshire Western BR Eastbound.

507- 510- 527- (522)

**8/29/2019 7:23:00 AM - Incident# 3193771 (1 lost trip, 162 lost minutes)**

7th Metro Center AL-E / Train 205 / Operator T-350 Consist 543,544,589,590,547,(548)

Operator reports multiple emergency brake applications departing 7th / Metro Center Station. Consist required EMO for movement.

### **Wayside Incidents:**

**8/5/2019 10:41:00 AM - Incident# 3183312 (2 lost trips, 330 lost minutes)**

Wilshire/Western Switch 3A/ 3B Out of Correspondence

**8/6/2019 4:15:00 AM - Incident# 3183659 (0 lost trips, 19 lost minutes)**

Vermont/Santa Monica interlocking out of correspondence.

**8/6/2019 3:35:00 PM - Incident# 3183971 (0 lost trips, 4 lost minutes)**

Red Line Yard de-energized. Last Pull-Out Train 219 stranded.

**8/7/2019 7:04:00 AM - Incident# 3184226 (2 lost trips, 300 lost minutes)**

North Hollywood I/L unable to route

**8/8/2019 4:38:00 AM - Incident# 3184660 (1 lost trip, 155 lost minutes)**

7/Metro ETS 19 -BLS AL Deluge activated

**8/8/2019 8:47:00 AM - Incident# 3184786 (0 lost trips, 15 lost minutes)**

D03 Civic Center opened de-energized AR track from Civic -Union.

**8/15/2019 9:06:00 PM - Incident# 3188042 (1 lost trip, 149 lost minutes)**

False Occupancy Circuits 1AT AL and 1BT AR North Hollywood interlocking.

### **Police & Health Incidents:**

**8/1/2019 6:50:00 AM - Incident# 3181679 (0 lost trips, 5 lost minutes)**

Universal City Station AL Track, Train-205 T-278

consist #571-572-603-604-563-564 departing North Hollywood with individual on-board threatening passengers verbally (Note: MTA Security Officers ridding same train).

**8/2/2019 11:50:00 PM - Incident# 3182619 (1 lost trip, 150 lost minutes)**

Contract security guard Angel Medina requests law enforcement to Wilshire Vermont to assist a patron in making a report regarding an alleged assault on board a North Hollywood train.

**8/3/2019 2:45:00 PM - Incident# 3182781 (0 lost trips, 9 lost minutes)**

Civic Center suspect jumped to the ROW AR Track.

**8/8/2019 12:30:00 AM - Incident# 3184616 (0 lost trips, 5 lost minutes)**

Train 928 reported a trespasser.

**8/16/2019 6:11:00 PM - Incident# 3188465 (0 lost trips, 5 lost minutes)**

S-43 reports a patron advised him that he saw a suspect ( male Hispanic ) take money from another patron and told that patron that the He (suspect) has a gun. The patron never saw the gun. Train # 215 , car # 561.

**8/21/2019 8:18:00 AM - Incident# 3190141 (0 lost trips, 10 lost minutes)**

Trespasser @ Pershing Square AR- East

African American male

**8/27/2019 7:21:00 AM - Incident# 3192630 (0 lost trips, 4 lost minutes)**

Westlake/Mac Arthur AL Track, Train-209 T-271 cars 550/549/552/551/544/543 "PIC" patron claiming unknown type illness and requesting LAFD. Patron decided to proceed to 7th St Metro Center to meet LAFD. S-Unit-7 awaited train however patron fled scene.

### **Other Incidents:**

#### **Unable To Duplicate:**

**8/5/2019 6:11:00 AM - Incident# 3183187 (0 lost trips, 9 lost minutes)**

T-464/ Train 210 / Consist 589,590,535,536,533,(534)

Propulsion failure on ATO mode in car 534.

**8/8/2019 4:39:00 PM - Incident# 3185010 (0 lost trips, 8 lost minutes)**

No dynamic braking.

Train #215

T-179

Cars #537-538-587-588-595-(596).

E/Bound Hollywood Western Station A/L Track.

**8/9/2019 5:59:00 AM - Incident# 3185160 (1 lost trip, 149 lost minutes)**

Emergency brakes applied

Train 206

T-271

Cars 553-554-567-(568)

Wilshire Western BR East of the Interlocking

**8/28/2019 8:02:00 PM - Incident# 3193602 (0 lost trips, 30 lost minutes)**

Operating Car 522 indicates " Doors Open Indication" on both door panels.

T-172

Train 218

Cars 513,(514),511,512,527,522

Wilshire/Vermont AL EB.

**8/31/2019 4:51:00 AM - Incident# 3194623 (0 lost trips, 10 lost minutes)**

Hollywood Highland Station AR-W / Train #204 / T-254

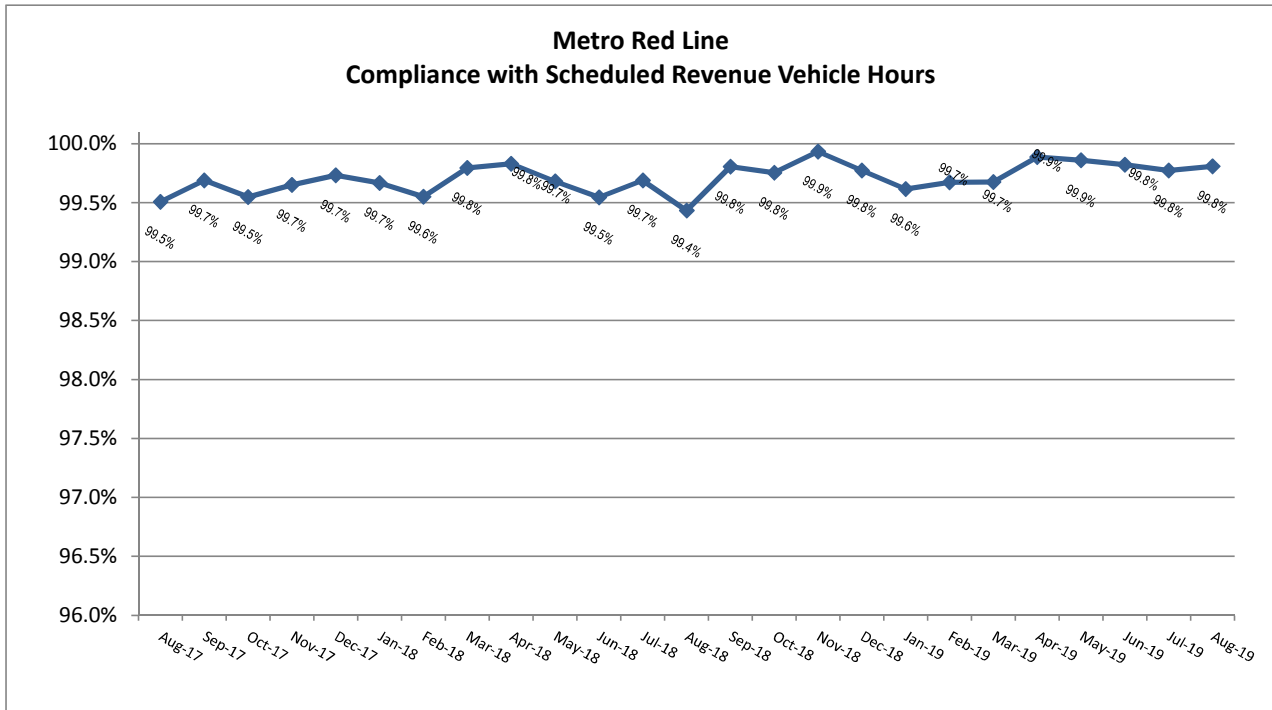
Consist (505),506,503,504,527,522

Operator reports emergency brake applications in car 505. Operator utilized EMO to Universal City Station. At Universal City, the problem was resolved.

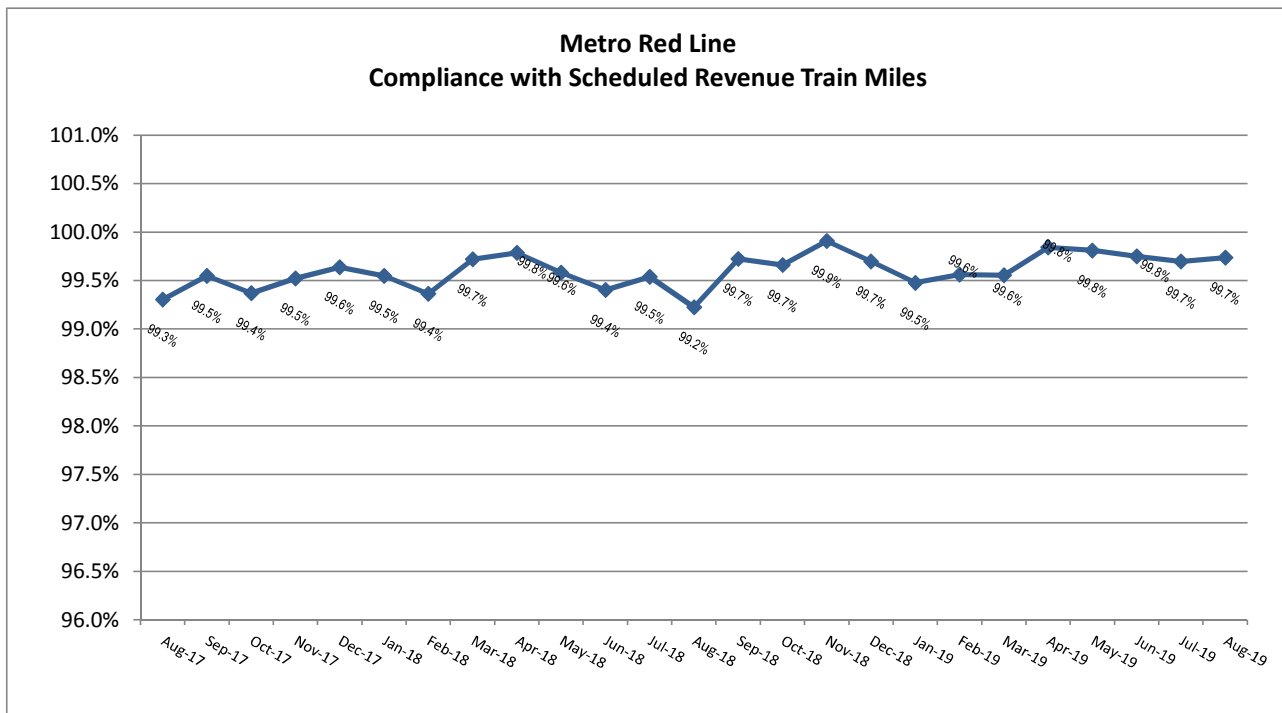
# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

## COMPLIANCE WITH SCHEDULED VEHICLE HOURS

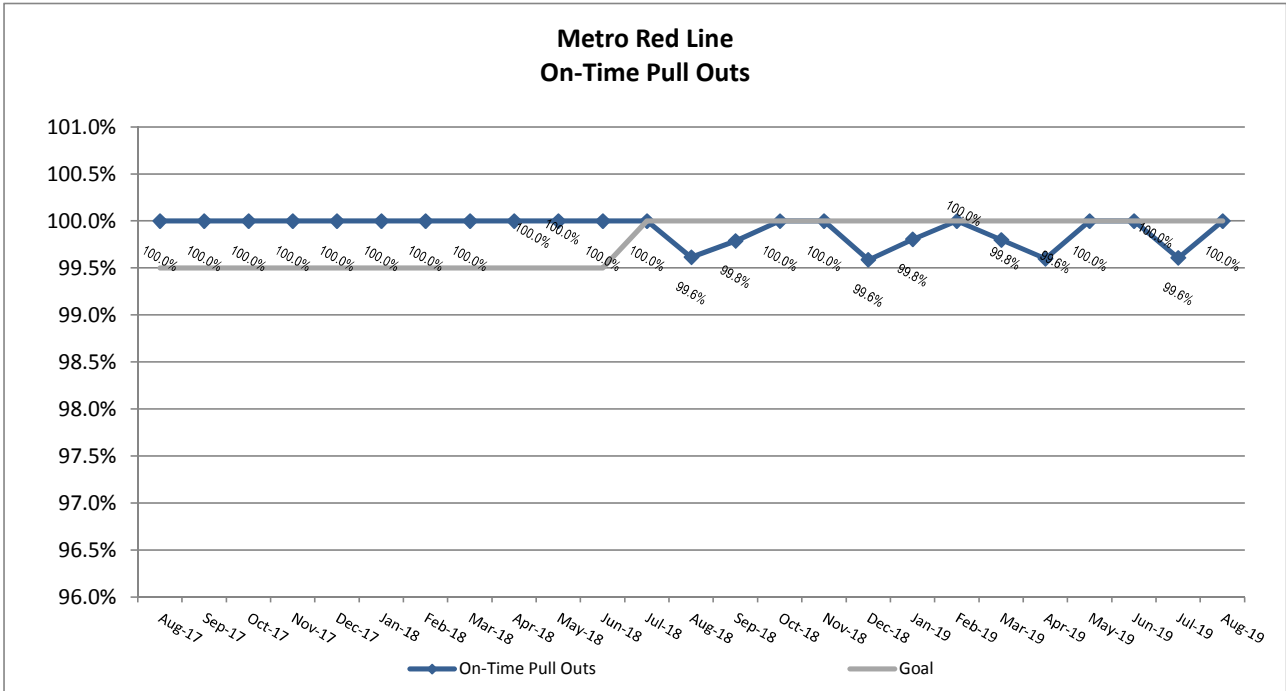
### Aug 2019



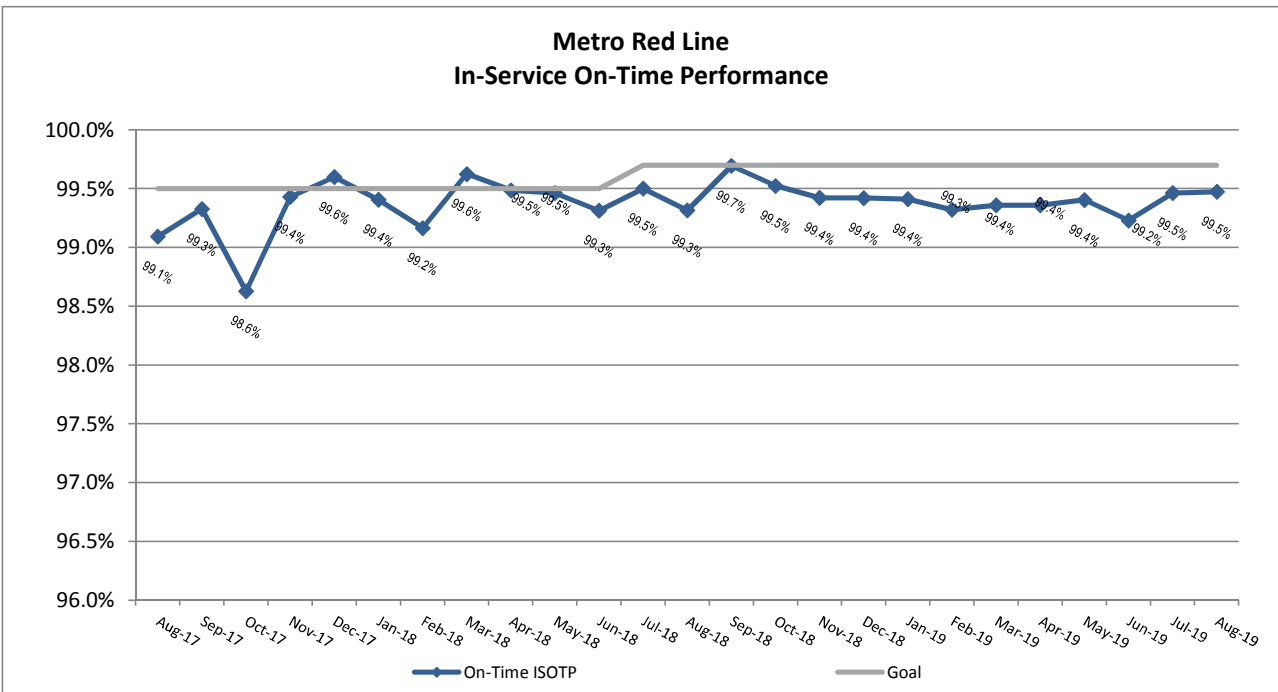
## COMPLIANCE WITH SCHEDULED TRAIN MILES



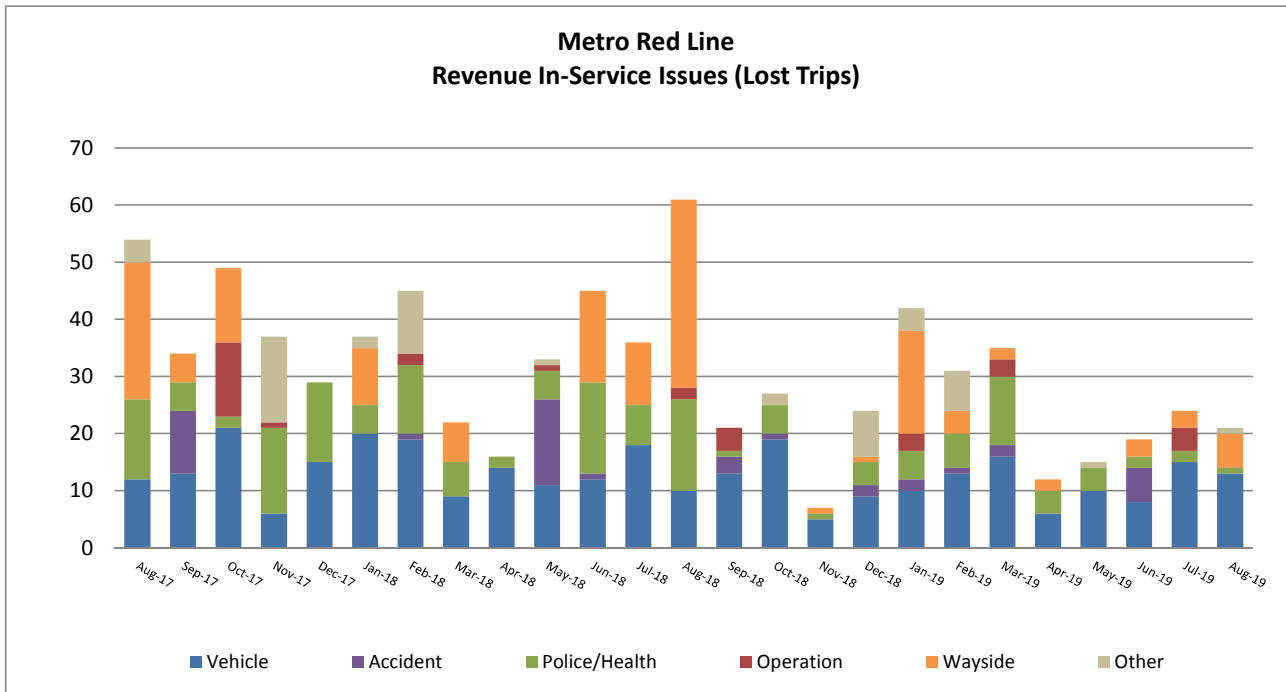
## ON-TIME PULL OUTS



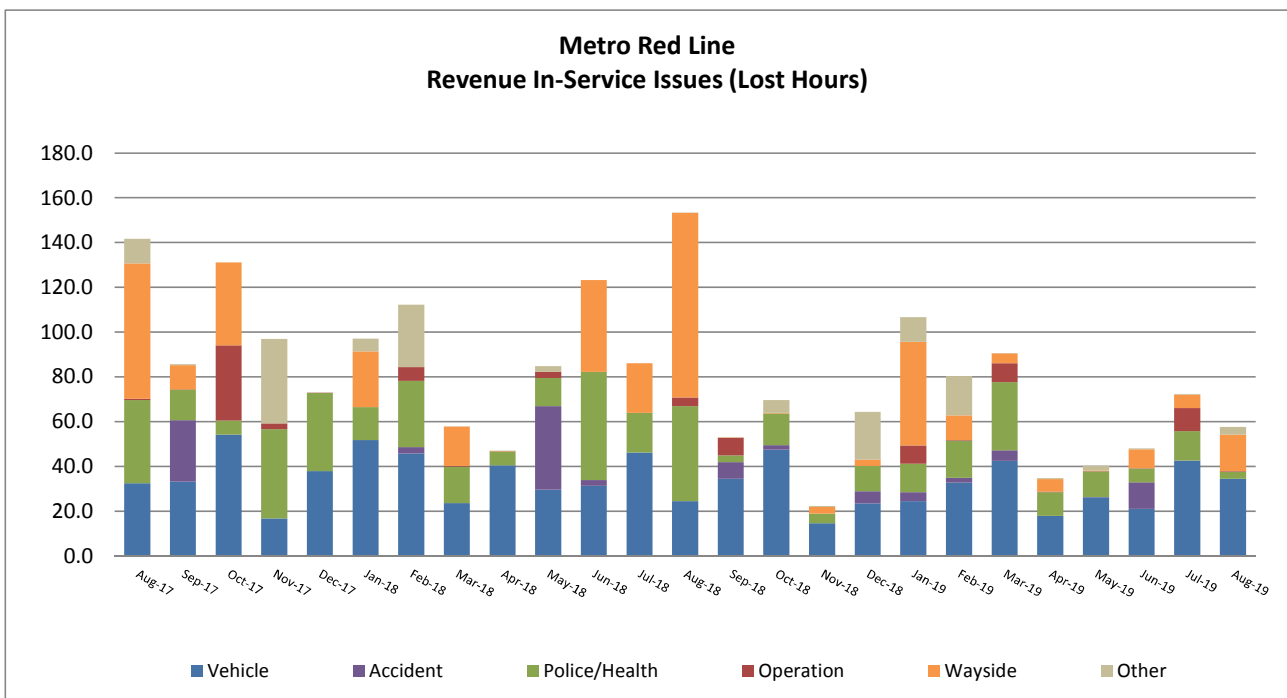
## IN-SERVICE ON-TIME PERFORMANCE



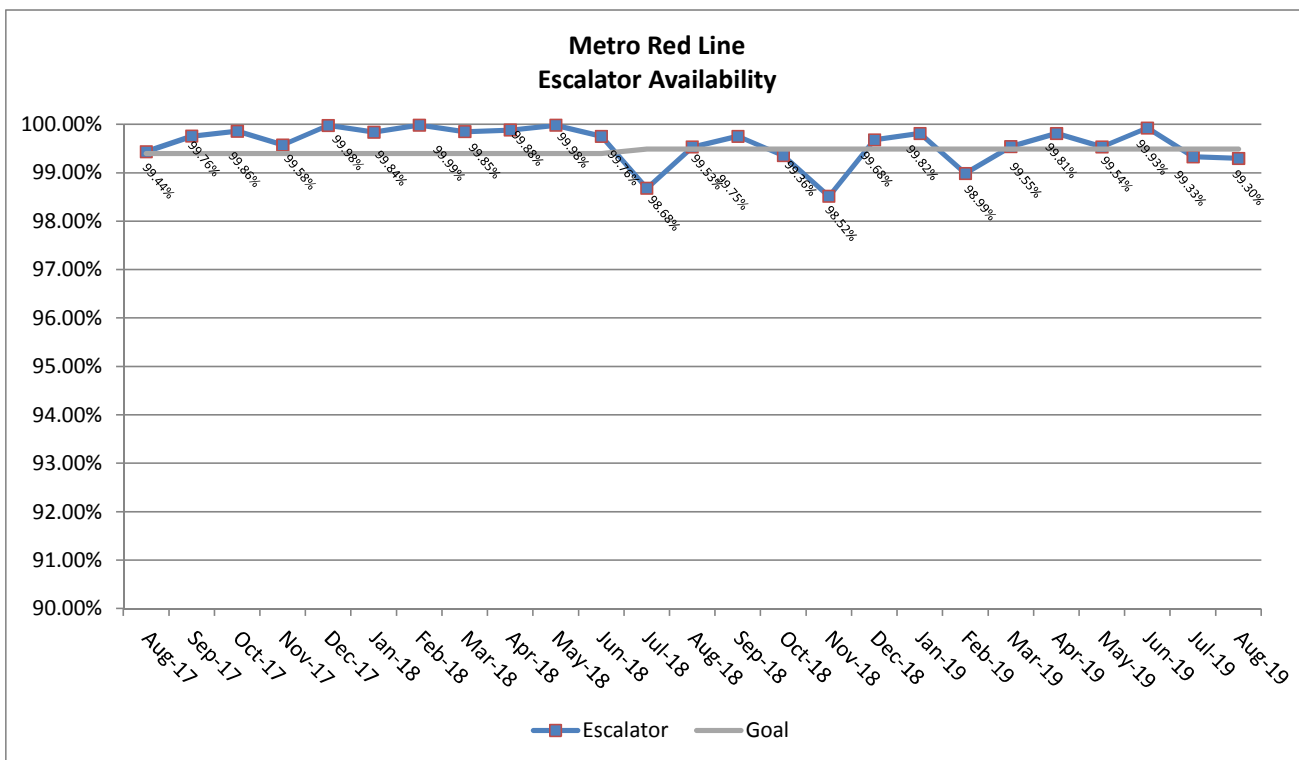
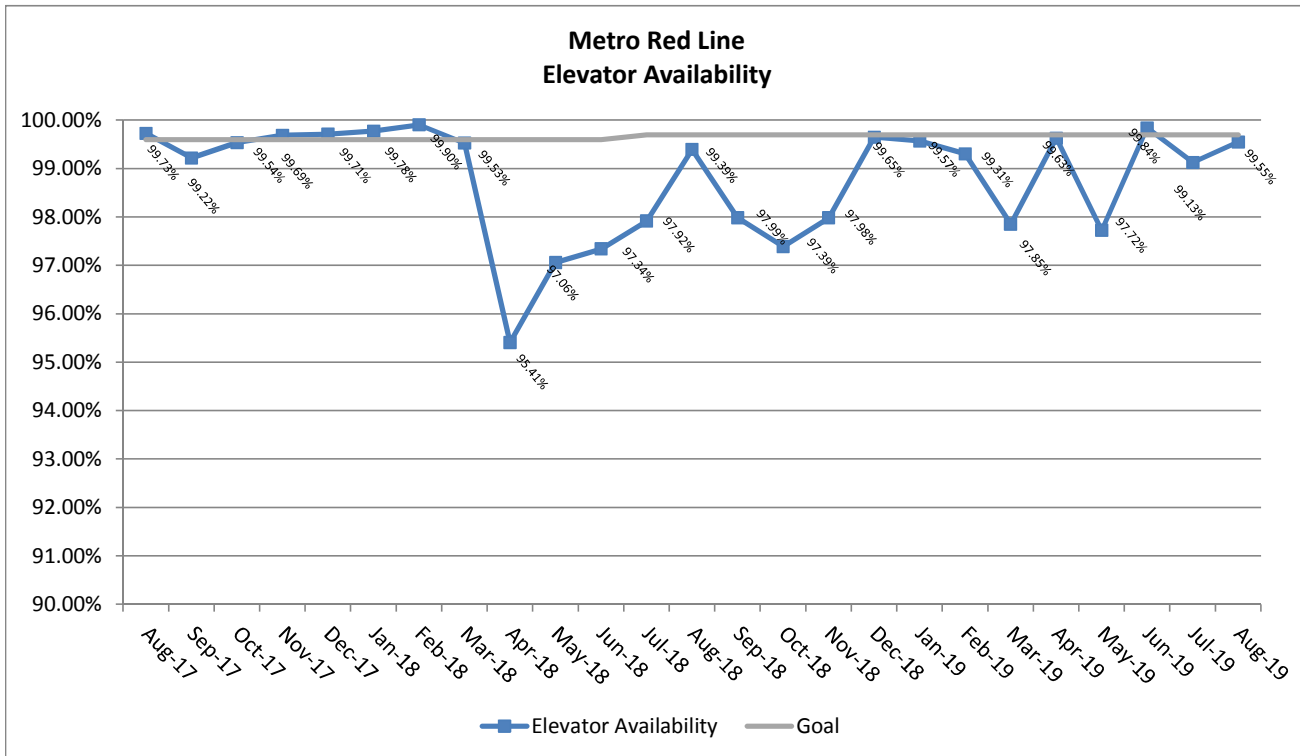
## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY





## GREEN LINE

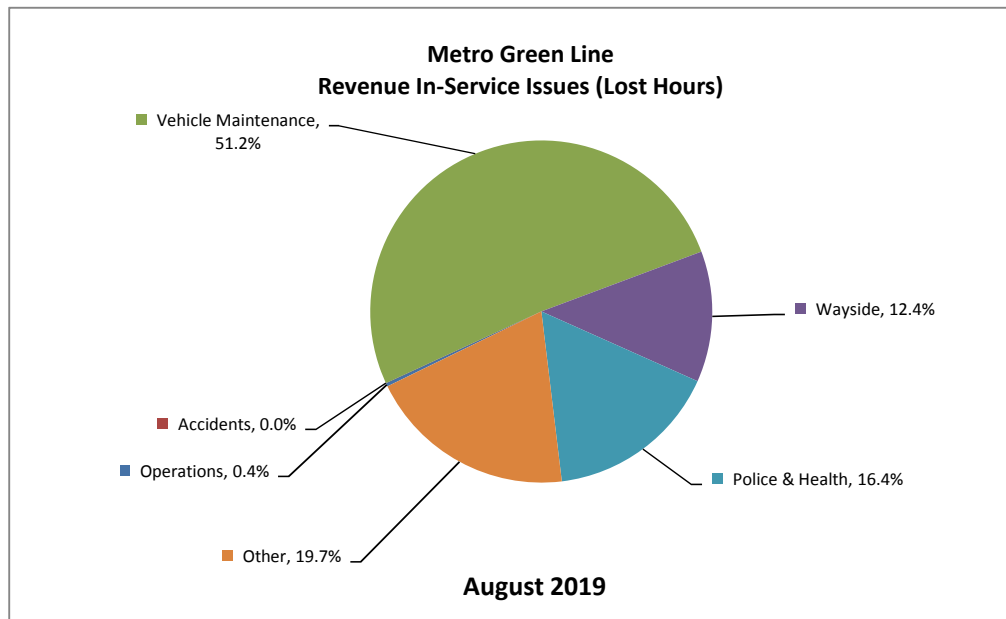
Out of a total of 9,436 hours operated, there were approximately 24 total hours of service delays.

August 2019 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	9,412	99.7%
Cancelled + Delayed Hours	24	0.3%
<b>Total Revenue Hours</b>	<b>9,436</b>	<b>100.0%</b>

Summary of the incidents:	Count	Hours	Percent
Operations	1	0.1	0.4%
Accidents	0	0.0	0.0%
Vehicle Maintenance	17	12.0	51.2%
Wayside	4	2.9	12.4%
Police & Health	3	3.9	16.4%
Other	13	4.6	19.7%
<b>Total</b>	<b>38</b>	<b>23.5</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy

The number of incidents on the following page may differ from the summary count due to some incidents not properly designated as Cancelled or Delayed



## **August 2019 Green Line incidents causing delay were as follows:**

### **Operations Incidents:**

**8/22/2019 3:06:00 PM - Incident# 3190853 (0 lost trips, 5 lost minutes)**

Train 355T-20

Yard Interface IL

(1141 B)-1151

Per CTC alarm, while pulling out of the yard, T-20 operating train 355 LRV 1141 B, passed a stop indication at YDI signal 76.

### **Vehicle Maintenance Incidents:**

**8/2/2019 7:21:00 AM - Incident# 3182253 (0 lost trips, 7 lost minutes)**

Train 341 / Operator T-231 / Consist (225)-243

Operator reports a propulsion fault with a speed restriction on car 225A.

**8/5/2019 5:46:00 AM - Incident# 3183182 (0 lost trips, 6 lost minutes)**

Auto Train Protection (Speed Limit), (1183A)-1141

Train #3342

T-121

Lakewood Station, track #11, Westbound.

**8/6/2019 5:38:00 AM - Incident# 3183797 (1 lost trip, 74 lost minutes)**

Train 331

T-55

LRV Cars (203)-227

EB track 2 Aviation

Operator reports that departing Aviation Station EB on track 2 he lost cab signals.

**8/12/2019 3:02:00 PM - Incident# 3186416 (2 lost trips, 132 lost minutes) CHARGEABLE**

Friction Brake Fault with no movement.

**8/13/2019 12:34:00 AM - Incident# 3186555 (1 lost trip, 78 lost minutes)**

Lose of cab signal

Train 331

T-294

LRV cars 202-220

West of Norwalk Station westbound track 1

**8/19/2019 10:30:00 PM - Incident# 3189489 (1 lost trip, 86 lost minutes)**

Low Air Pressure No Movement

Train 333

T-302

(208)

Douglas, Track 2, Eastbound

**8/21/2019 4:33:00 AM - Incident# 3190024 (0 lost trips, 7 lost minutes) CHARGEABLE**

Propulsion / Dynamic Brakes, cars (203A)-208

Train #334

T-409

Hawthorne Station, track #2, Eastbound.

**8/21/2019 4:37:00 PM - Incident# 3190410 (0 lost trips, lost minutes)**

Train 353

T-394

Operator reports no power, no movement and limited lighting 1184.

Track 2 west of Long Beach Station

1177, (1184)

**8/24/2019 1:47:00 PM - Incident# 3191560 (0 lost trips, 5 lost minutes) CHARGEABLE**

Auto Train Protection (Speed Limit)

T-136

Train 332

LRV (1184) 1177

Crenshaw Station, Track 1, eastbound.

**8/26/2019 4:24:00 PM - Incident# 3192402 (0 lost trips, 3 lost minutes) CHARGEABLE**

Propulsion / Dynamic Brakes

Train 333

T-141

206-(209)

Eastbound, Track 2 Mariposa station.

**8/27/2019 11:31:00 AM - Incident# 3192811 (1 lost trip, 66 lost minutes) CHARGEABLE**

Propulsion fault with no movement.

Train 332

T-279

(222)-206

Crenshaw Station, Track 2, eastbound.

**8/27/2019 3:55:00 PM - Incident# 3193081 (1 lost trip, 66 lost minutes) CHARGEABLE**

No cab signals.

Train 352

T-136

(1150)-1155

Track 1

Westbound

Lakewood station.

**8/27/2019 11:50:00 PM - Incident# 3193154 (0 lost trips, 20 lost minutes) CHARGEABLE**

Train 331 no movement on car 208B low air pressure. No movement between Douglas Station and El Segundo Station.

**8/28/2019 4:34:00 AM - Incident# 3193184 (0 lost trips, 9 lost minutes) CHARGEABLE**

Train 332 / Operator T-055 / Consist 1156-(1183)

Operator reports car 1183 as an extremely wet car. Operator reports the A/C is leaking and the entire car is completely covered in water.

**8/29/2019 5:27:00 AM - Incident# 3193687 (1 lost trip, 71 lost minutes) CHARGEABLE**

Train operator reports of a propulsion fault with a speed restriction

Train 335

T-231

(209A) 203

Willowbrook Station, Trk. 1, Westbound

**8/30/2019 2:57:00 PM - Incident# 3194521 (1 lost trip, 80 lost minutes) CHARGEABLE**

Train 335

T-057

(208A)-205

Westbound Track #2

Wilmington West 15

Operator reports a friction brake applied with no movement.

**8/31/2019 7:41:00 PM - Incident# 3194818 (0 lost trips, 12 lost minutes)**

(1174A)-1142

No Cab Signal

EB at Marine Interlocking

T-294

Train 335

**Wayside Incidents:**

**8/1/2019 9:02:00 AM - Incident# 3181728 (0 lost trips, 8 lost minutes)**

OCS repairs

TP-149

Crenshaw to Aviaiton East interlocking.

**8/5/2019 10:20:00 PM - Incident# 3183635 (0 lost trips, 25 lost minutes) CHARGEABLE**

Damaged OCS.

**8/12/2019 3:22:00 PM - Incident# 3186452 (0 lost trips, 10 lost minutes)**

False occupancy at track circuit 787 track 1 just east of Lynwood IL.

**8/27/2019 3:35:00 PM - Incident# 3193075 (2 lost trips, 132 lost minutes)**

Marine IL, switch 3 out of correspondence.

**Police & Health Incidents:**

**8/5/2019 9:23:00 AM - Incident# 3183275 (0 lost trips, 5 lost minutes)**

LASD: Arellano reports there is a male suspect chasing a female.

Train #31

T-113

Crenshaw Station, track #2, Eastbound.

**8/8/2019 12:35:00 PM - Incident# 3184898 (0 lost trips, 23 lost minutes)**

Train 337

T-141

Wilmington Station, Track 1, Westbound

220-205

Per LASD, train 337 was held at Wilmington Station so that deputies could conduct a sweep of a patron with a weapon.

**8/10/2019 6:47:00 PM - Incident# 3185750 (3 lost trips, 204 lost minutes)**

T-257 departing Norwalk in Train # 334 stated that a young male Hispanic , wearing a Grey sweat shirt , black face bandana pointed a Gun at the Cab window . She departed the station but the suspect remained at the platform.

**Other Incidents:**

**8/25/2019 12:21:00 PM - Incident# 3191806 (0 lost trips, 7 lost minutes)**

Door problem

Train 332 T-348

1141-(1146)

Track 1

Norwalk

**8/13/2019 3:17:00 PM - Incident# 3186922 (0 lost trips, 8 lost minutes)**

Train 353

T-257

Eastbound, Track 2

1155-1168

T-257 reported a PIC activation and emergency door released at MP marker 12.0

**8/27/2019 3:04:00 PM - Incident# 3193041 (0 lost trips, 29 lost minutes)**

Loss of scada, entire mainline Norwalk to Marine.

**Unable To Duplicate**

**8/5/2019 3:37:00 PM - Incident# 3183525 (0 lost trips, 10 lost minutes)**

Train 354 Reports No Cab Signal departing Norwalk Station WB Tk-2.

T-269

Train 354

Cars: (1174)-1150

Norwalk Tk-2 WB

**8/7/2019 4:15:00 AM - Incident# 3184141 (0 lost trips, 8 lost minutes)**

Train 342 / Operator T-310 / Consist 1176-1170

Operator reports a loss of cab signal departing Norwalk Station Track 2. Operator utilized stop and proceed mode to regain cab signal. Operator did not regain cab signal, instructed to local off.

**8/21/2019 3:55:00 PM - Incident# 3190384 (0 lost trips, 6 lost minutes)**

Train 336

T-148

Operator reports loosing cab signals in car 1174.

Douglas track 2 east

1173, (1174)

**8/22/2019 5:00:00 AM - Incident# 3190535 (0 lost trips, 12 lost minutes) CHARGEABLE**

Train operator reports of no cab sig

Train 336

T-078

(1173)1147

YDI Signal 2, Trk. 2, Eastbound

**8/23/2019 3:35:00 PM - Incident# 3191295 (2 lost trips, 136 lost minutes) CHARGEABLE**

Car 1176B loss of Cab Signal.

T-96

Train 353

Cars (1176B)-1155

Paramount IL (MP12.0), Track 1, westbound.

**Reset**

**8/10/2019 1:17:00 PM - Incident# 3185690 (0 lost trips, 9 lost minutes)**

T-44 operating Train # 334 reports Dark ADU in car # 1145.

Operator did local off and Troubleshoot but no movement.

No technician available.

**8/13/2019 4:27:00 AM - Incident# 3186586 (0 lost trips, 5 lost minutes)**

ATP fault: no movement

Train 344

T-231

208-(222)

Marine, track 2, Eastbound

**8/13/2019 6:18:00 PM - Incident# 3186996 (0 lost trips, 28 lost minutes) CHARGEABLE**

Train 335

T-292

Avalon Station, Track 1, Westbound

(208 B), 222

T-292 reported no movement on train 335, just east of Avalon Station.

**8/24/2019 1:47:00 PM - Incident# 3191580 (0 lost trips, 5 lost minutes) CHARGEABLE**

Auto Train Protection (Speed Limit)

T-136

Train 332

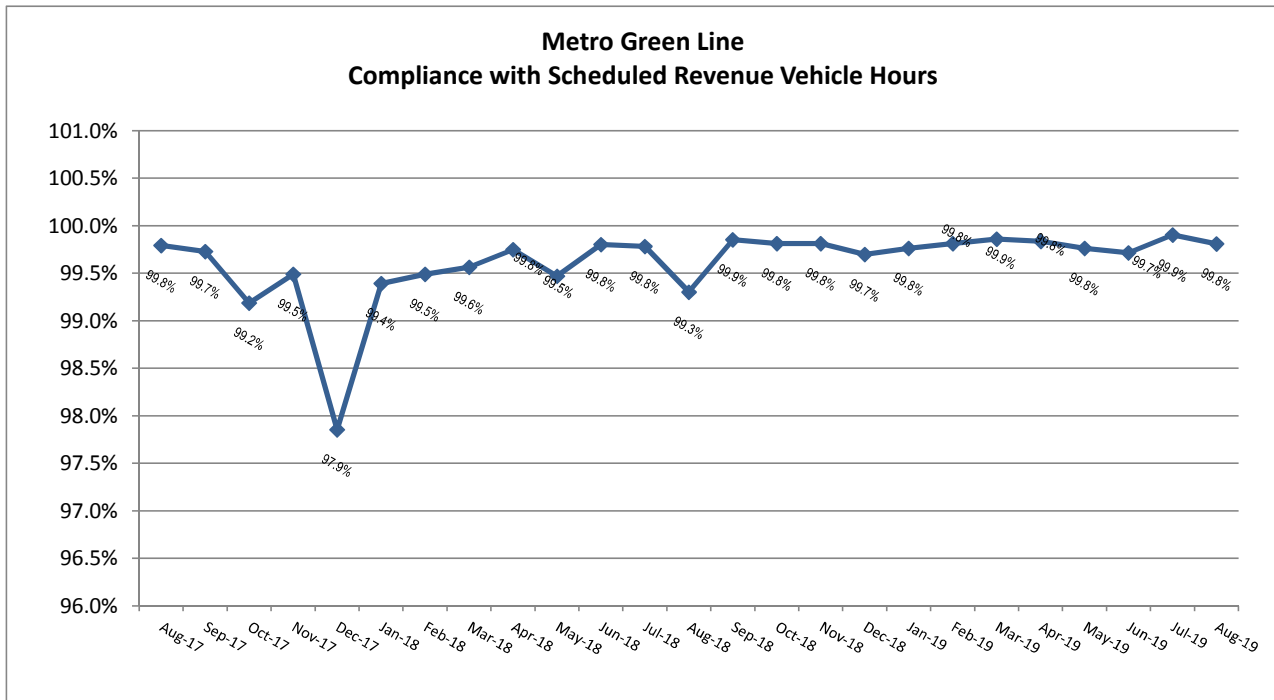
LRV (1184) 1177

Crenshaw Station, Track 1, eastbound.

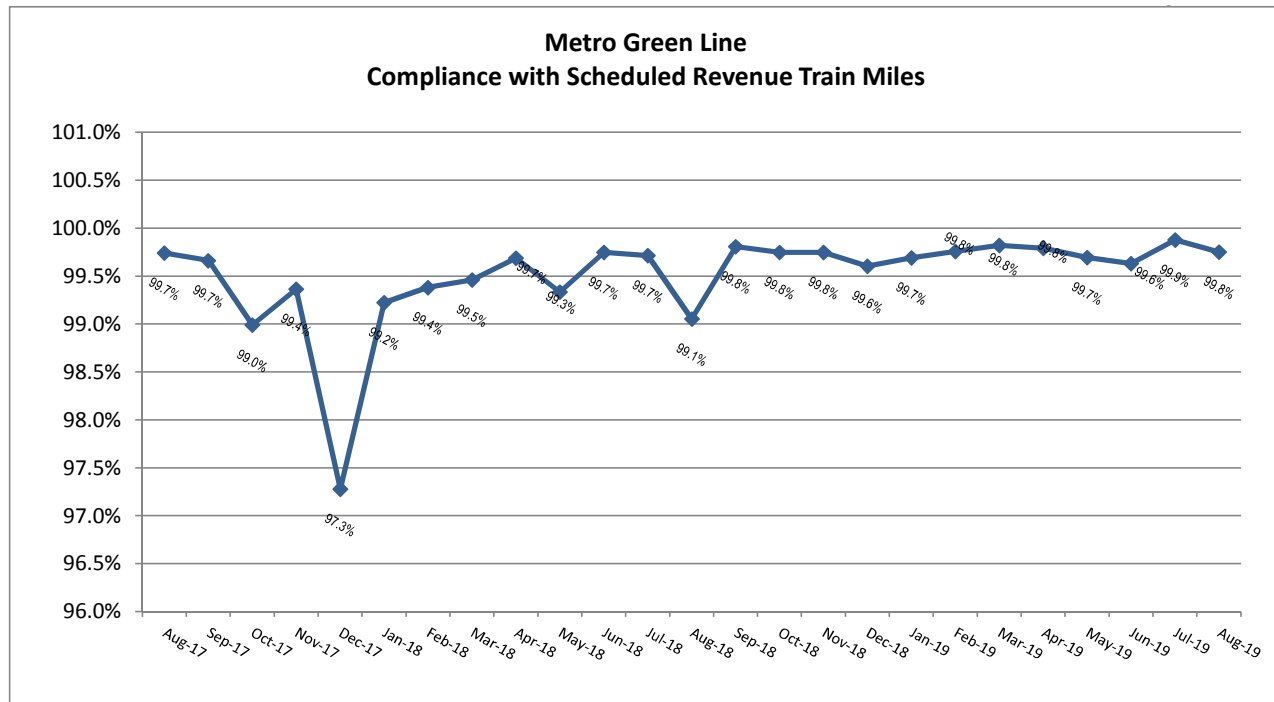
**8/30/2019 10:30:00 PM - Incident# 3194599 (0 lost trips, 15 lost minutes) CHARGEABLE**

T-396 reported no movement on train 333 car 1143.

**MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS**  
**COMPLIANCE WITH SCHEDULED VEHICLE HOURS**  
**Aug 2019**

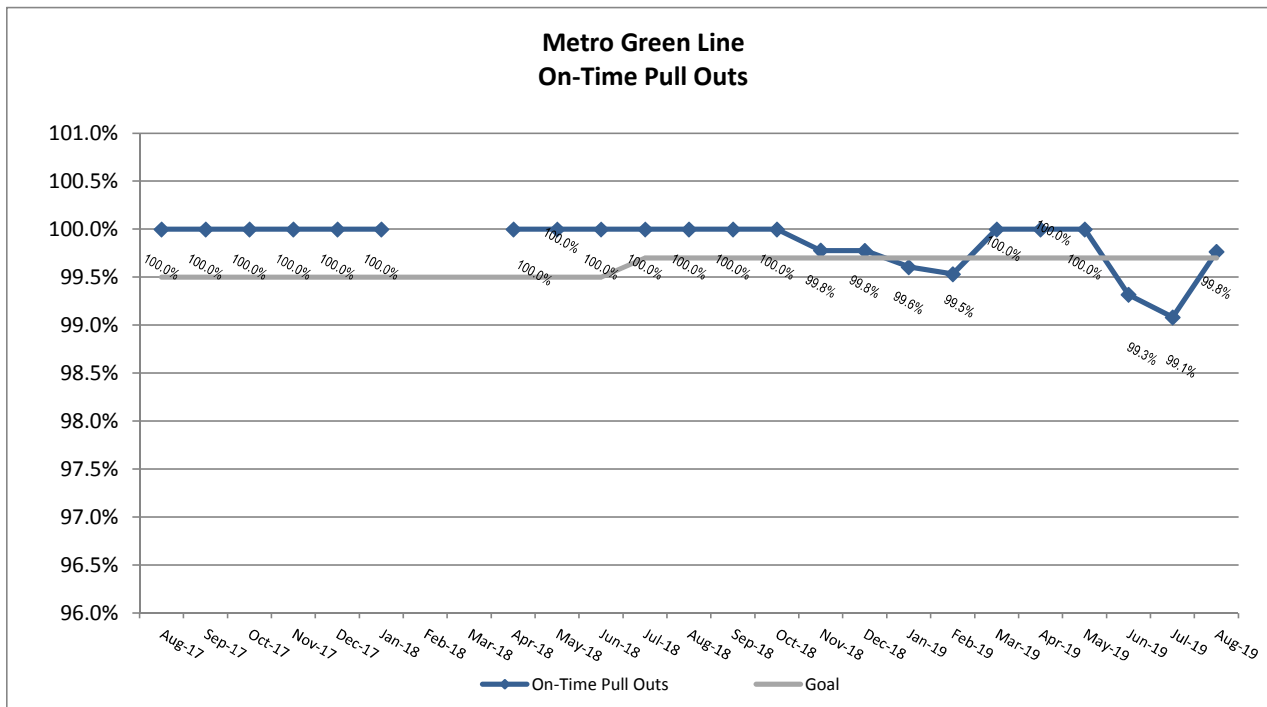


**COMPLIANCE WITH SCHEDULED TRAIN MILES**



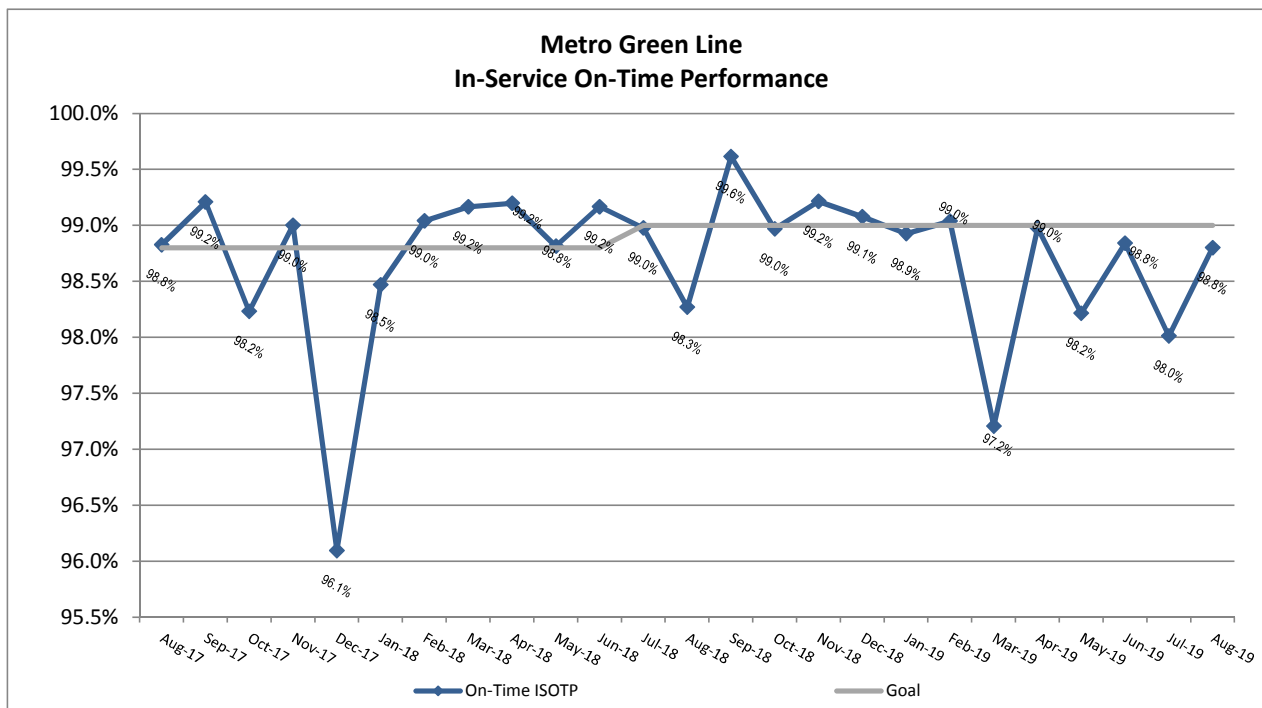


### ON-TIME PULL OUTS

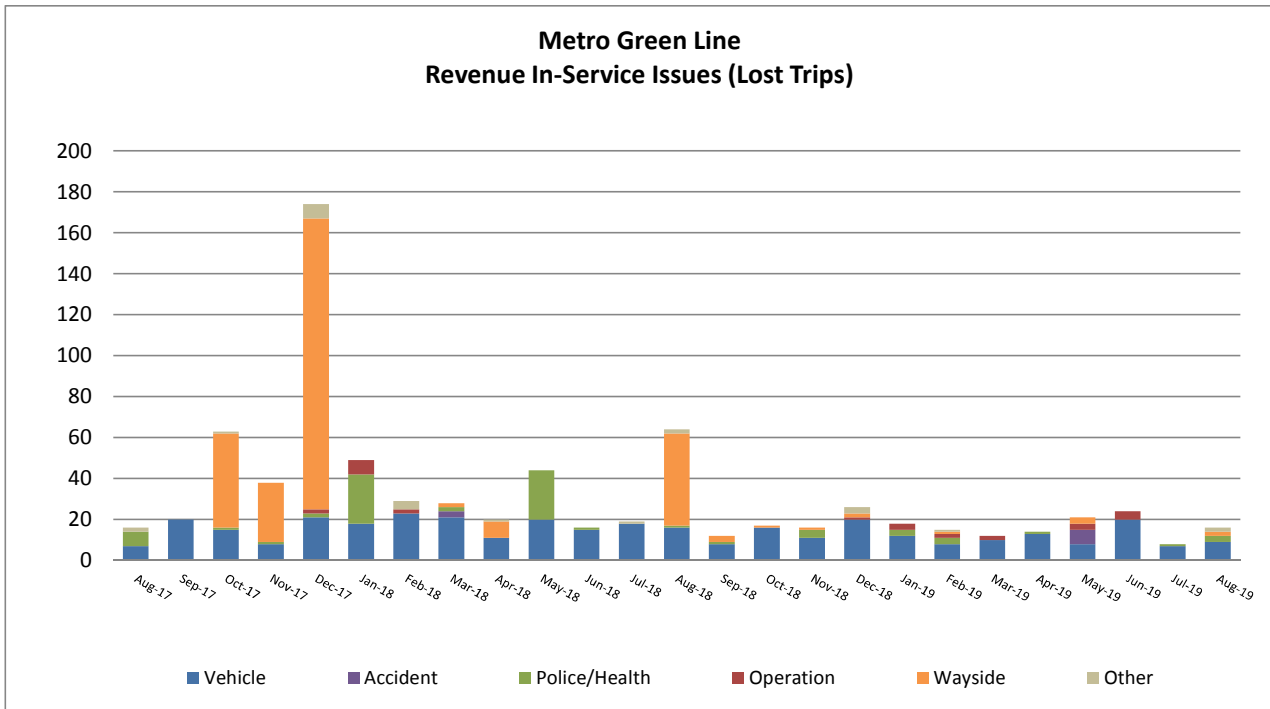


Due to the Crenshaw line link construction in Feb and March 2018, Green Line trains did not pull in or pull out, trains stayed on the tracks.

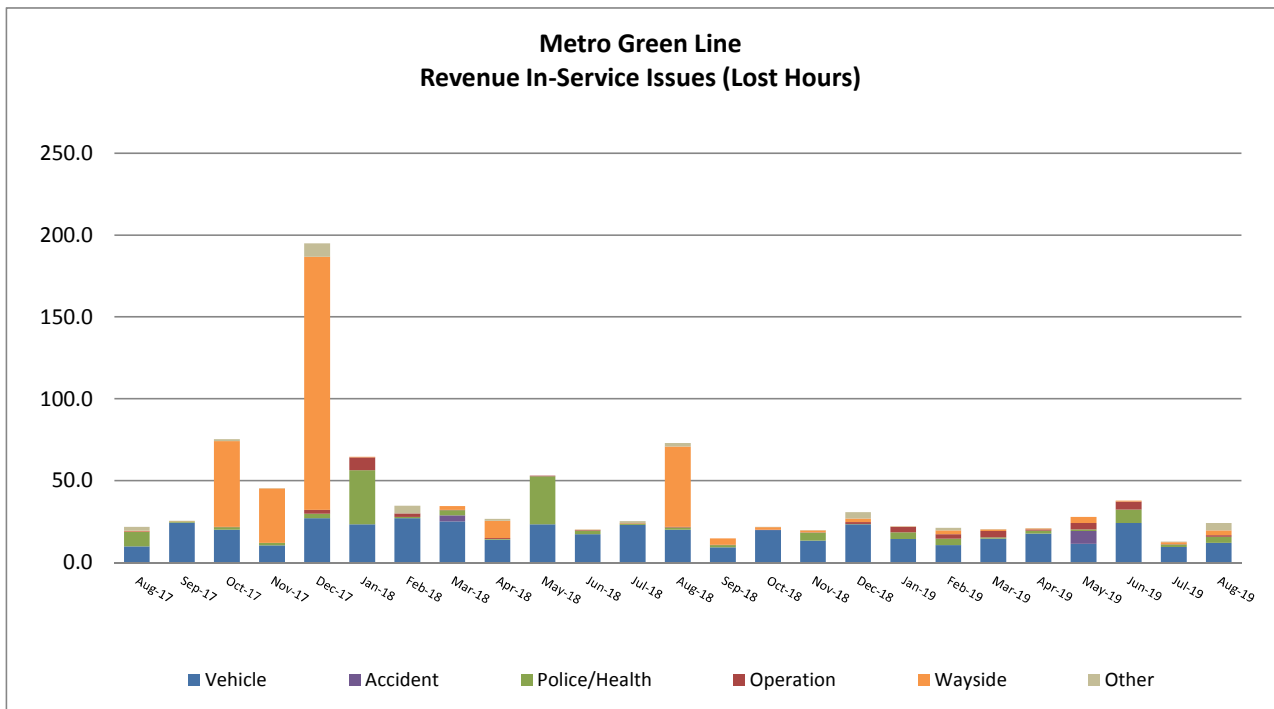
### IN-SERVICE ON-TIME PERFORMANCE



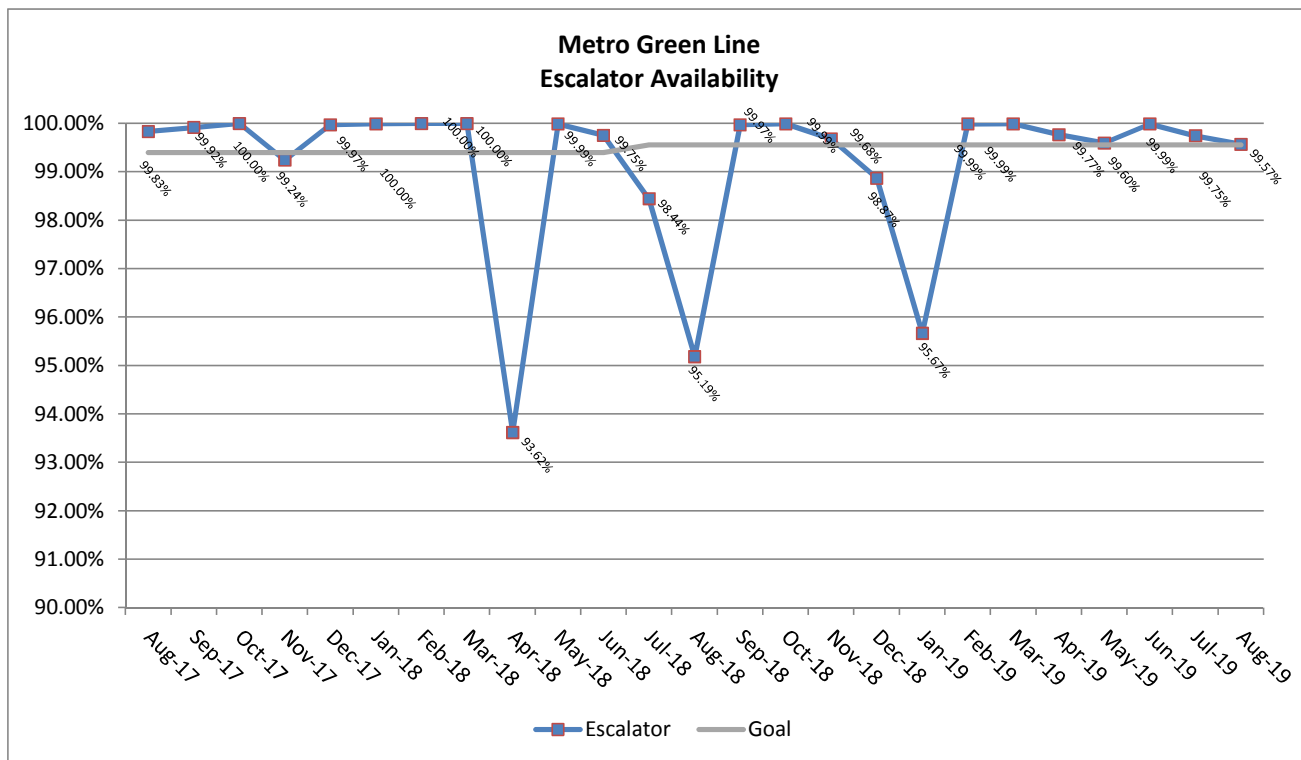
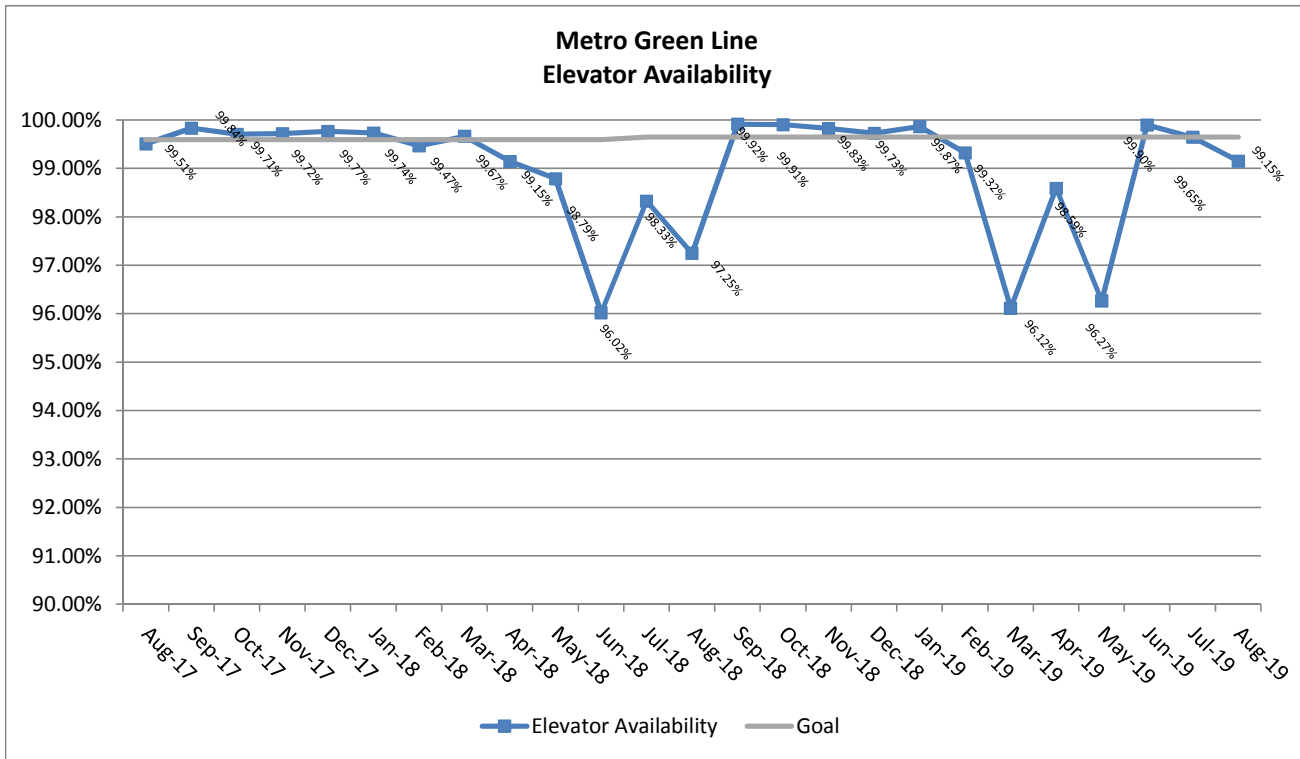
## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY



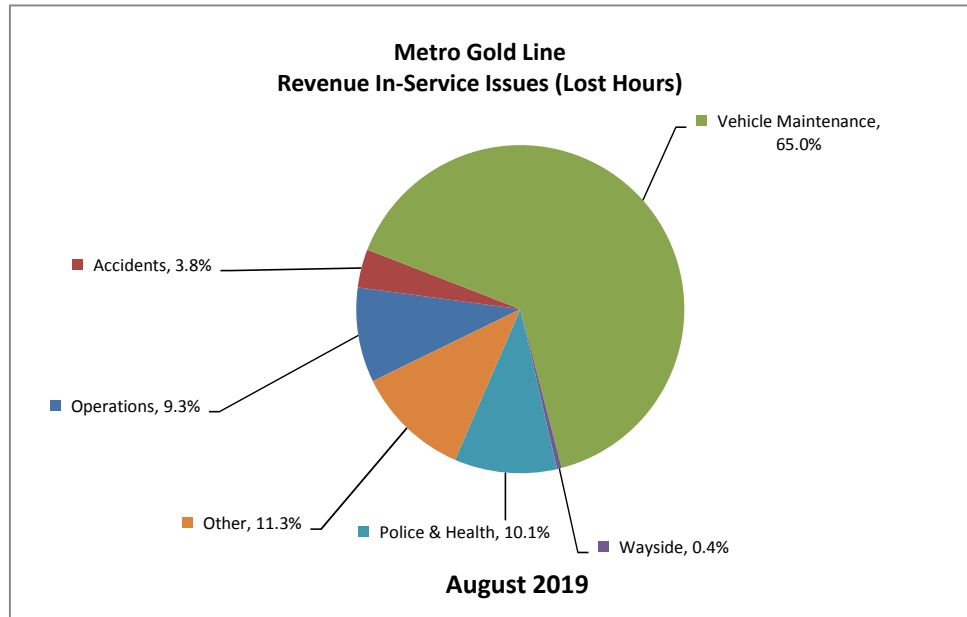
## GOLD LINE

Out of a total of 23,813 hours operated, there were approximately 185 total hours of service delays.

August 2019 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	23,628	99.2%
Cancelled + Delayed Hours	185	0.8%
<b>Total Revenue Hours</b>	<b>23,813</b>	<b>100.0%</b>

Summary of the incidents:	Count	Hours	Percent
Operations	8	17.3	9.3%
Accidents	1	7.0	3.8%
Vehicle Maintenance	20	120.5	65.0%
Wayside	3	0.8	0.4%
Police & Health	13	18.7	10.1%
Other	12	20.9	11.3%
<b>Total</b>	<b>57</b>	<b>185.2</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy  
 The number of incidents on the following page may differ from the summary count due to some incidents not properly designated as Cancelled or Delayed



## **August 2019 Gold Line incidents causing delay were as follows:**

### **Operations Incidents:**

#### **8/1/2019 5:01:00 AM - Incident# 3181629 (2 lost trips, 397 lost minutes) CHARGEABLE**

Train pulled out late from Monrovia Yard.

Train # 407

T-475

Monrovia Yard Limits, northbound

1008.1006.1013

#### **8/1/2019 11:41:00 PM - Incident# 3182163 (1 lost trip, 198 lost minutes)**

Operating Rule 4250 violation/Scheduled Stops-Schedule Adherence

Train 424 TK#2 Duarte Station

T-445

708-735

#### **8/10/2019 7:00:00 AM - Incident# 3185580 (0 lost trips, 13 lost minutes) CHARGEABLE**

Regional Connector Constructors (RCC). Single Tracking on Track #2 between Pico Aliso and Union South Interlocking.

#### **8/15/2019 9:00:00 AM - Incident# 3187740 (0 lost trips, 14 lost minutes) CHARGEABLE**

Operator T-131 operating train 401 proceeded northbound with a 14 minute delay in revenue service. Operator failed to notify what the delay was or any issue with train.

Train #401

T-131

Arcadia, track #1, northbound

718 721 714

#### **8/16/2019 5:24:00 AM - Incident# 3188116 (2 lost trips, 392 lost minutes)**

Yard Control R-093 notified train # 409 will be out late due to reconfiguring consist.

Train # 409

T-221

Yard Limits to APU.

#### **8/22/2019 5:01:00 AM - Incident# 3190634 (0 lost trips, 10 lost minutes)**

Trains out late due to late arrivals at Yard Limits, Division 24

#### **8/23/2019 5:19:00 AM - Incident# 3191015 (0 lost trips, lost minutes)**

Train 408 was a late pull out to yard limits by 6 minutes.

#### **8/24/2019 8:06:00 AM - Incident# 3191430 (0 lost trips, 15 lost minutes)**

Union Station Turn Backs for RCC Construction.

FM-138 (EIC)

David Reyna (Watch Person with ProTran)

## **Accidents:**

**8/12/2019 11:05:00 PM - Incident# 3186543 (2 lost trips, 421 lost minutes)**

(no narrative provided in M3)

## **Vehicle Maintenance Incidents:**

**8/2/2019 7:14:00 PM - Incident# 3182567 (1 lost trip, 201 lost minutes)**

Operator reports a speed restriction and propulsion fault.

Train-409

T-203

Cars (723), 710, 702

Monrovia Station, Track 1, NB

**8/3/2019 2:28:00 PM - Incident# 3182768 (0 lost trips, 7 lost minutes)**

Car 702 major propulsion fault/speed restricted.

T-476

Train 412

Cars (702)-710

Duarte Station, Track 2, southbound.

**8/5/2019 12:06:00 PM - Incident# 3183419 (0 lost trips, 12 lost minutes) CHARGEABLE**

Operator reports a propulsion fault.

Train-408

T-250

Cars 727, 701, (708B)

Maravilla Station, Track 2, SB

**8/5/2019 8:00:00 PM - Incident# 3183591 (0 lost trips, 10 lost minutes) CHARGEABLE**

Reports of no cab signal

Train # 423

T-218

(1166B)-1191

23.8, Track #2, SB

**8/9/2019 7:10:00 AM - Incident# 3185191 (0 lost trips, 10 lost minutes)**

No speed code,ATP bypass engaged.

Train#403

T#98

1179A,1006,1058

Track#1,Northbound,Sierra Madre Station.

**8/9/2019 12:00:00 PM - Incident# 3185398 (0 lost trips, 10 lost minutes)**

Operator reports no movement.

Train 406

T-490

Cars (1055), 1125

Atlantic Station, Track 1, NB

**8/16/2019 1:34:00 PM - Incident# 3188337 (1 lost trip, 196 lost minutes)**

Operator reports multiple faults on car 742. HSBC fault and a propulsion fault.

Train-453

T-186

Cars (742), 741

Maravilla Station, Track 2, SB

**8/17/2019 6:39:00 PM - Incident# 3188717 (1 lost trip, 146 lost minutes)**

Train 406

T-323

Memorial Park Station, Southbound, Track 2

(1178), 1188

T-323 reported an SLC fault with a speed restriction arriving at Memorial Park Station.

**8/19/2019 4:38:00 PM - Incident# 3189378 (0 lost trips, 7 lost minutes)**

Operator reports recurring HSCB and propulsion fault.

Train-452

T-039

Cars 743, 740, (742A)

Fillmore Station, Track 1, NB

**8/20/2019 8:49:00 AM - Incident# 3189561 (0 lost trips, 3 lost minutes) CHARGEABLE**

APU/Citrus, Train-416 T-129 consist #1191-1164-1192 with door issues and unable to proceed.

**8/20/2019 1:59:00 PM - Incident# 3189837 (0 lost trips, 12 lost minutes) CHARGEABLE**

Recurring ATP failure (741A)743,740.

Highland Park Station

Train #454, T-11, track #1, northbound.

**8/22/2019 4:35:00 AM - Incident# 3190531 (0 lost trips, 10 lost minutes)**

High Speed Circuit Breaker fault

Train 411

T-221

Cars 715-723-(710)

Duarte Station Track 1 North

**8/22/2019 4:31:00 PM - Incident# 3190884 (0 lost trips, 5 lost minutes)**

Operator reports ATP and TWC failure.

Train-425

T-106

Cars (721), 728, 708

Chinatown Station, Track 1, NB

**8/23/2019 5:21:00 AM - Incident# 3191029 (0 lost trips, 12 lost minutes)**

Train 411 Prop fault with speed restriction.

T-490

Train 411

Cars: (715)-716-730

NB Tk-1 Soto Station

**8/23/2019 7:53:00 PM - Incident# 3191355 (1 lost trip, 197 lost minutes)**

No Fault - No Movement

Train 424

T-228

LRV cars (718)-735-731

Highland Park track 1 northbound

**8/24/2019 3:40:00 AM - Incident# 3191416 (0 lost trips, 18 lost minutes)**

Train 403, Operator unable to enter cab due to door lock malfunction.

T-465

Train 403

Cars: (1010)-1104

SB Tk-2 APU/Citrus Station

**8/26/2019 2:34:00 PM - Incident# 3192354 (1 lost trip, 201 lost minutes)**

Operator reports ATP failure

Train-406

T-218

Cars (721),730,735

East Portal, Track 1, NB

**8/27/2019 7:35:00 AM - Incident# 3192635 (0 lost trips, 10 lost minutes)**

ATP Failure-Speed Restriction.

Train#454

T#36

745,(744),739

Track#2,South Pasadena,Southbound.

**8/28/2019 6:30:00 AM - Incident# 3193279 (31 lost trips, 6,148 lost minutes)**



Loss of electric coupling with train indicating trainline  
Train 406  
T-536  
Cars 1157-(1012)-(1104)  
16.5 track 2 South

**8/29/2019 12:28:00 PM - Incident# 3193968 (0 lost trips, 12 lost minutes)**

Operator reports water leaking inside the operators cab and inside the train  
Train-452  
T-280  
Cars (742B), 744  
Chinatown Station, SB, Track 2

**Wayside Incidents:**

**8/3/2019 11:27:00 PM - Incident# 3182866 (0 lost trips, 20 lost minutes)**

MT-137 Requesting access to the ROW for Tamping at Irwindale IL with a crew of 6, Two Hi-Rail vehicles working in tandem known as train 940.  
MT-137 (EIC)  
MT-151 (Watch Person with ProTran)

**8/28/2019 2:49:00 PM - Incident# 3193457 (0 lost trips, 6 lost minutes) CHARGEABLE**

Track Circuit 478-1 and 456-1 north of Indiana siding track 1: False Occupancy. EC1 and EC2 Mission General Alarm Status is reading in ALARM.

**8/30/2019 9:25:00 PM - Incident# 3194583 (0 lost trips, 22 lost minutes) CHARGEABLE**

Track Dept is requesting authorization to enter the ROW to tamp Monrovia North and Monrovia South Interlockings on tracks 1 and 2

**Police & Health Incidents:**

**8/6/2019 3:14:00 PM - Incident# 3183943 (1 lost trip, 203 lost minutes) CHARGEABLE**

T-341 on Train 423 trouble was shooting doors, returning to Cab Patron refused to move from in front of the Operators door and threatened him.

**8/13/2019 12:20:00 AM - Incident# 3186554 (2 lost trips, 399 lost minutes) CHARGEABLE**

LASD Notified Control of car on tracks at 1st & Santa Clara.

**8/15/2019 9:00:00 AM - Incident# 3187721 (0 lost trips, 8 lost minutes) CHARGEABLE**

Metro Security reports a call was place on transit watch app regarding a male passed out on the floor of car (714A).  
Train #401  
T-131  
Arcadia, track #1, northbound  
718 721 (714)

**8/15/2019 6:10:00 PM - Incident# 3188023 (0 lost trips, 45 lost minutes)**

Track two blocked at mile marker 13.1

**8/19/2019 6:43:00 PM - Incident# 3189433 (0 lost trips, lost minutes) CHARGEABLE**

Operator reports a stalled vehicle on track number one at Atlantic Station.

**8/21/2019 9:41:00 AM - Incident# 3190183 (0 lost trips, 3 lost minutes) CHARGEABLE**

Small fire south of Duarte Station at the Impedance Bonds.

Track

**8/24/2019 7:54:00 PM - Incident# 3191669 (0 lost trips, 6 lost minutes) CHARGEABLE**

Train 408 reported a non responsive individual aboard lead car 1175 as the train was departing Atlantic Station

Train 408

T-323

(1175)-1056

4N Atlantic Interlocking, Track 2, Northbound

**8/25/2019 1:33:00 PM - Incident# 3191841 (0 lost trips, 12 lost minutes)**

Train 406

T-452

Fillmore Station, Southbound, Track 2

712- (702)

T-452 reported at Fillmore Station reported an altercation aboard their consist in LRV 702.

**8/26/2019 5:28:00 AM - Incident# 3191980 (0 lost trips, 12 lost minutes)**

Train 403 SB Tk-2 at Southwest Museum was held by Patron that left their possessions on the train.

**8/27/2019 2:32:00 PM - Incident# 3192964 (2 lost trips, 397 lost minutes) CHARGEABLE**

Altercation on Board Train 409, middle Car 1010.

T-156

Train 409

Cars 1059-(1010)-1104

Chinatown Station, Track 2, southbound.

**8/30/2019 10:26:00 AM - Incident# 3194329 (0 lost trips, 12 lost minutes) CHARGEABLE**

Train 406 Reports of human feces on car 1182.

**8/31/2019 6:00:00 AM - Incident# 3194641 (0 lost trips, 15 lost minutes)**

Trespasser, track#1-mile post#5.9, south of Arroyo Verde Grade Crossing.

**8/31/2019 10:53:00 AM - Incident# 3194694 (0 lost trips, 12 lost minutes) CHARGEABLE**

Four African American teenagers and one Caucasian male were involved in a physical altercation at Irwindale Station.

**Other Incidents:**

**8/1/2019 5:00:00 PM - Incident# 3182086 (1 lost trip, 198 lost minutes)**

Operator reports a dirty car  
Train-402  
T-134  
Cars 1013, (1015A), 1180  
Azusa Citrus, Track 1, SB

**8/7/2019 11:32:00 AM - Incident# 3184361 (2 lost trips, 398 lost minutes)**

Patron fell onto the tracks at Memorial Park Station Tk-2.

**Unable To Duplicate:**

**8/7/2019 3:37:00 PM - Incident# 3184455 (1 lost trip, 199 lost minutes) CHARGEABLE**

Train 402 Troubleshooting door, unable to cut out.

T-341

Train 402

Cars: (1190)-1164-1191

SB Tk-2 Little Tokyo Station

**8/7/2019 6:44:00 PM - Incident# 3184548 (0 lost trips, 10 lost minutes)**

Train 426 Friction Brakes not releasing.

T-39

Train 426

Cars: (720)-711-727

SB Tk-2 Memorial Park Station.

**8/8/2019 7:23:00 PM - Incident# 3185050 (0 lost trips, 12 lost minutes)**

Operator reports a door fault.

Train 454

T-228

Cars 749, 741, (739)

Chinatown Station, Track 1, NB

**8/27/2019 3:24:00 PM - Incident# 3193013 (0 lost trips, 8 lost minutes)**

Car 1182 loss of Cab Signals

T-63

Train 404

Cars (1182)-1055-1189

SMV Station, Track 2, southbound.

**Reset:**

**8/1/2019 5:32:00 PM - Incident# 3182091 (1 lost trip, 209 lost minutes)**

Operator reports propulsion faults.

Train-453

T-490

Cars 748, 740, 749

Arcadia Station, Track 2, SB

**8/14/2019 4:23:00 PM - Incident# 3187489 (0 lost trips, 5 lost minutes)**

Car add on issue.

Train 407

1178-1158

Track 2

APU station

Northbound

**8/14/2019 4:47:00 PM - Incident# 3187469 (1 lost trip, 200 lost minutes)**

AC had a short and there is a smell of smoke

Train 407

T186

Track 2

Southbound

Sierra Madre station

**8/20/2019 8:24:00 PM - Incident# 3189951 (0 lost trips, 9 lost minutes)**

T-39 reports prop faults, high speed circuit breaker and speed restriction at APU track #2.

Train 453

Cars 750, (747), (737)

Azusa Citrus, track 2

**8/21/2019 6:38:00 AM - Incident# 3190079 (0 lost trips, 6 lost minutes)**

Train 453 experiencing HSCB.

T-451

Train 453

Cars: (737)-747-750

SB Tk-2 APU

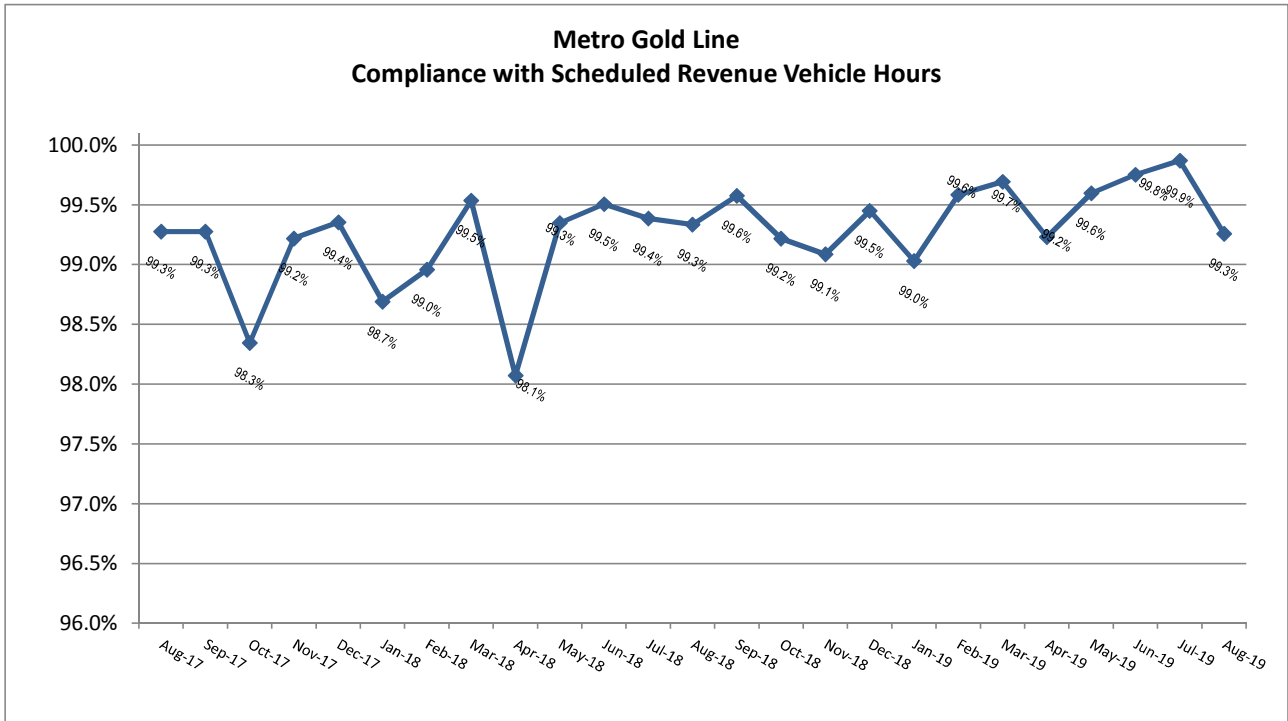
**8/26/2019 5:03:00 AM - Incident# 3191975 (0 lost trips, lost minutes)**

Out Late.

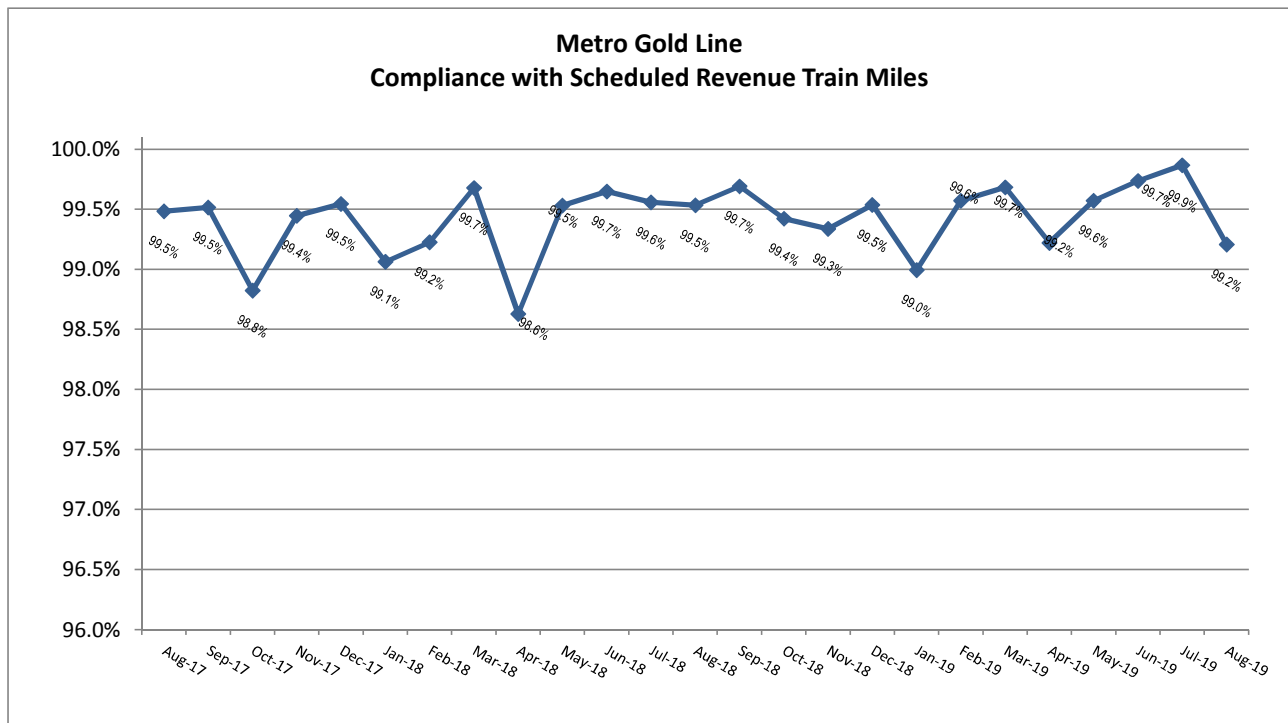
Due to Technical difficulties with PA Announcements (No Announcements) in the yard, Train 408 was late to yard limits.

Cars: (1179-1175-1013)

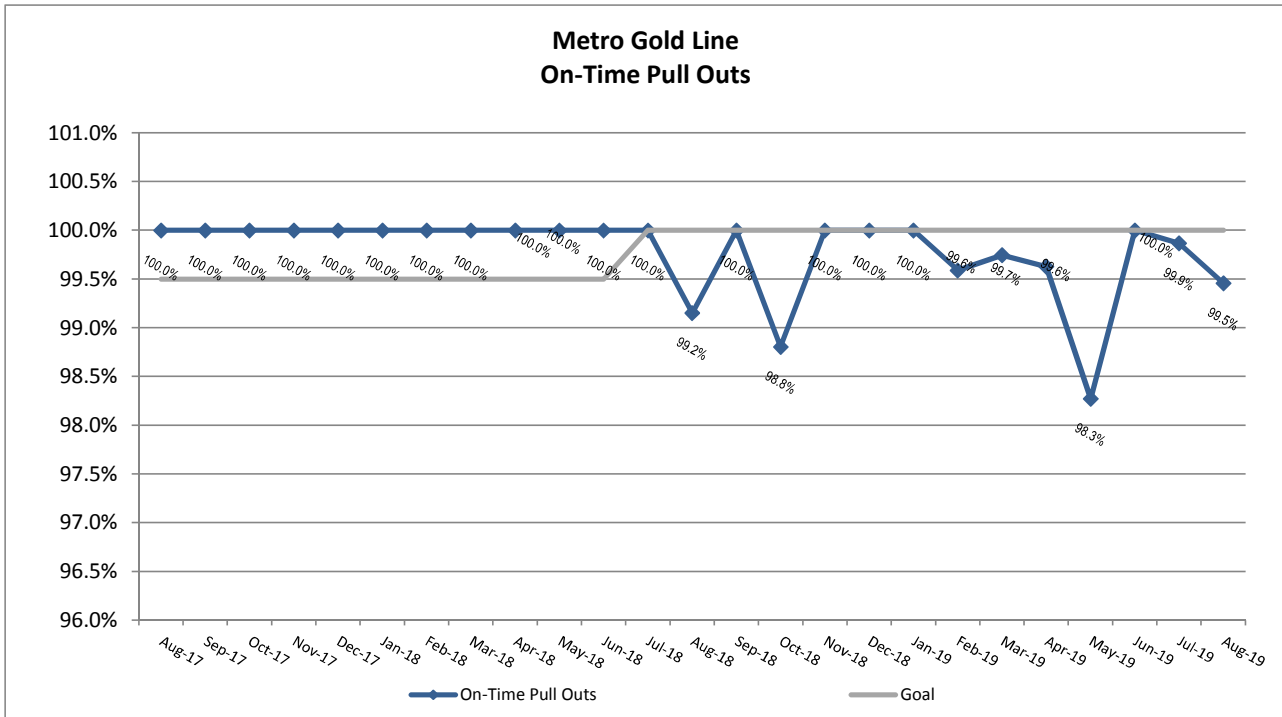
**MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS**  
**COMPLIANCE WITH SCHEDULED VEHICLE HOURS**  
**Aug 2019**



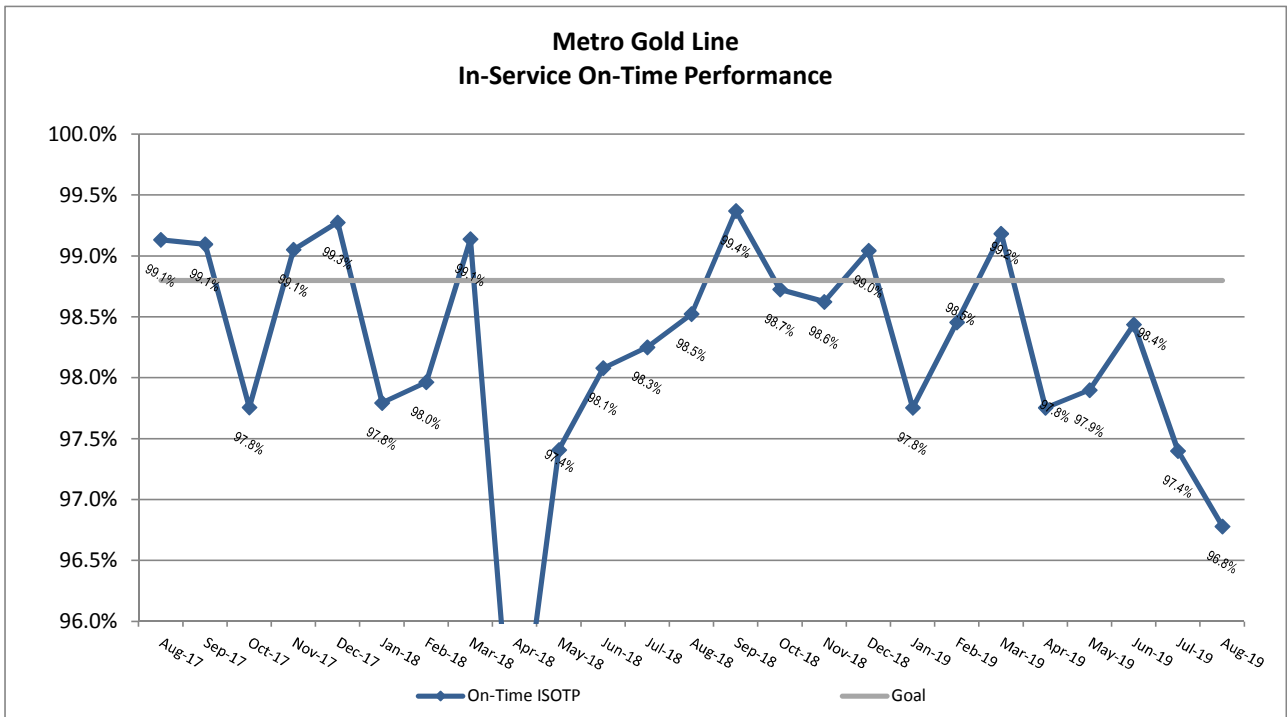
**COMPLIANCE WITH SCHEDULED TRAIN MILES**



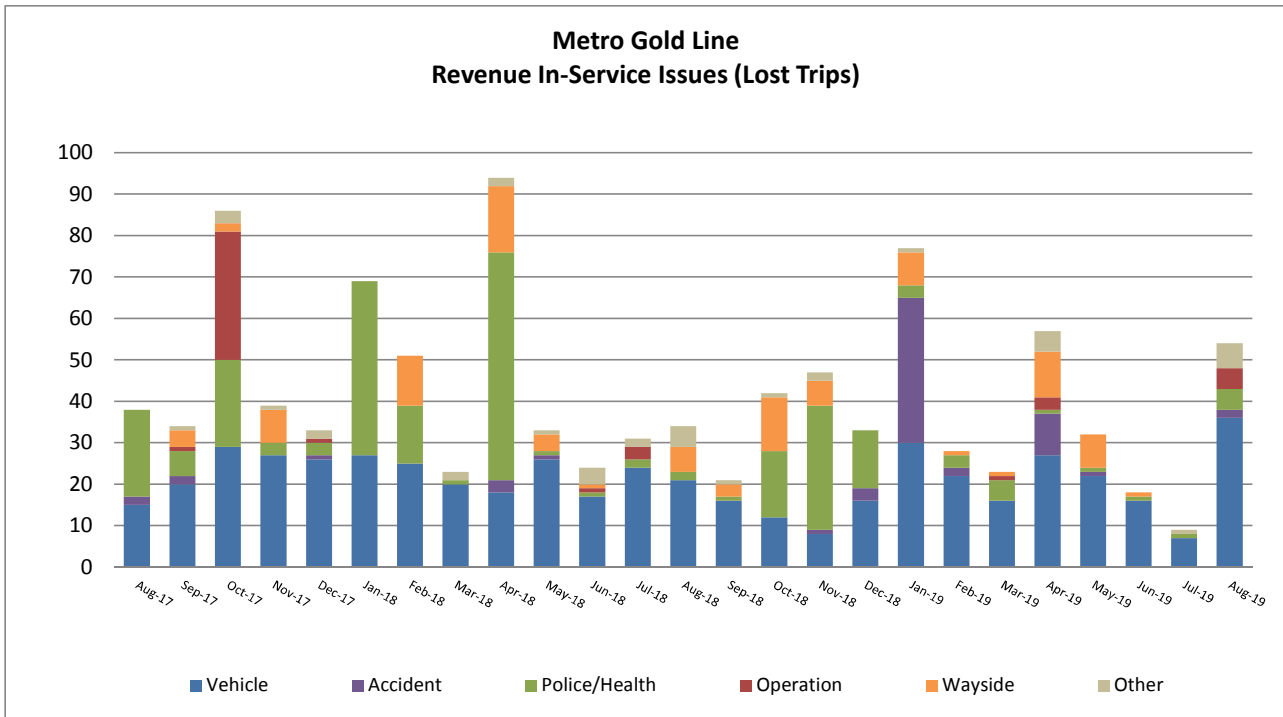
## ON-TIME PULL OUTS



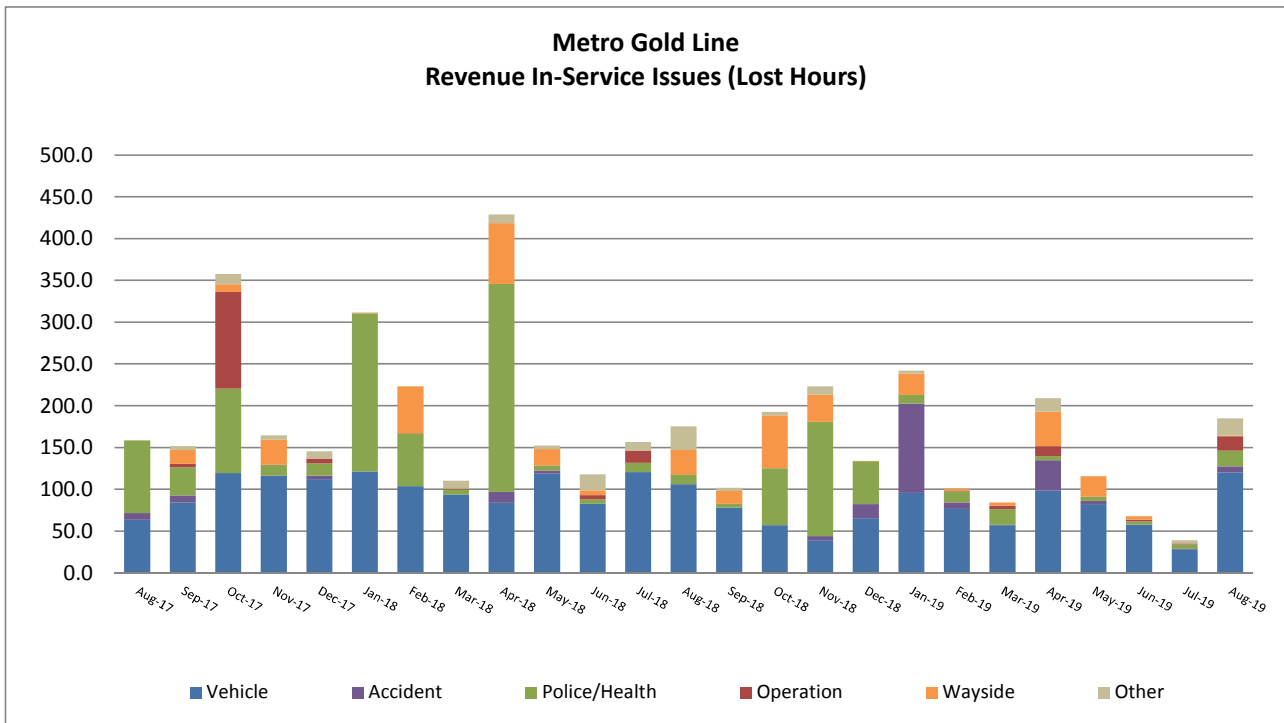
## IN-SERVICE ON-TIME PERFORMANCE



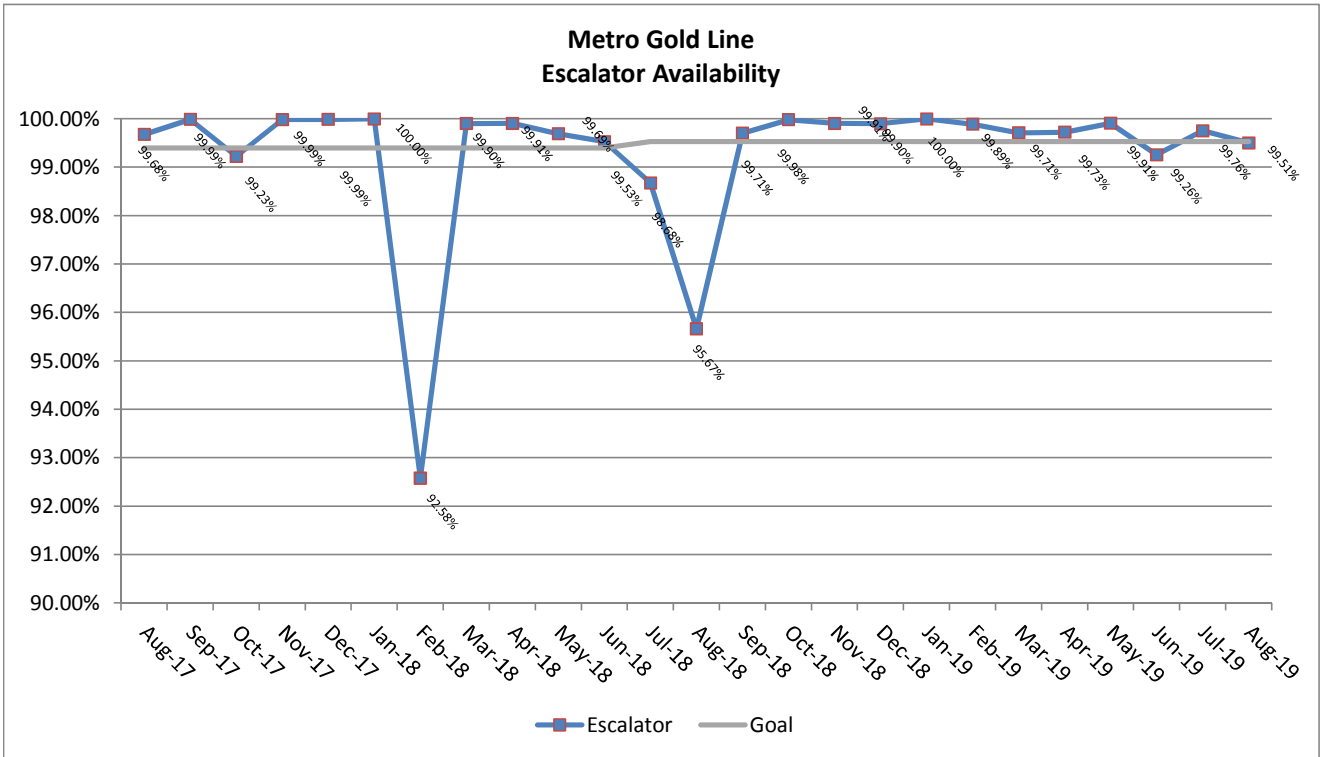
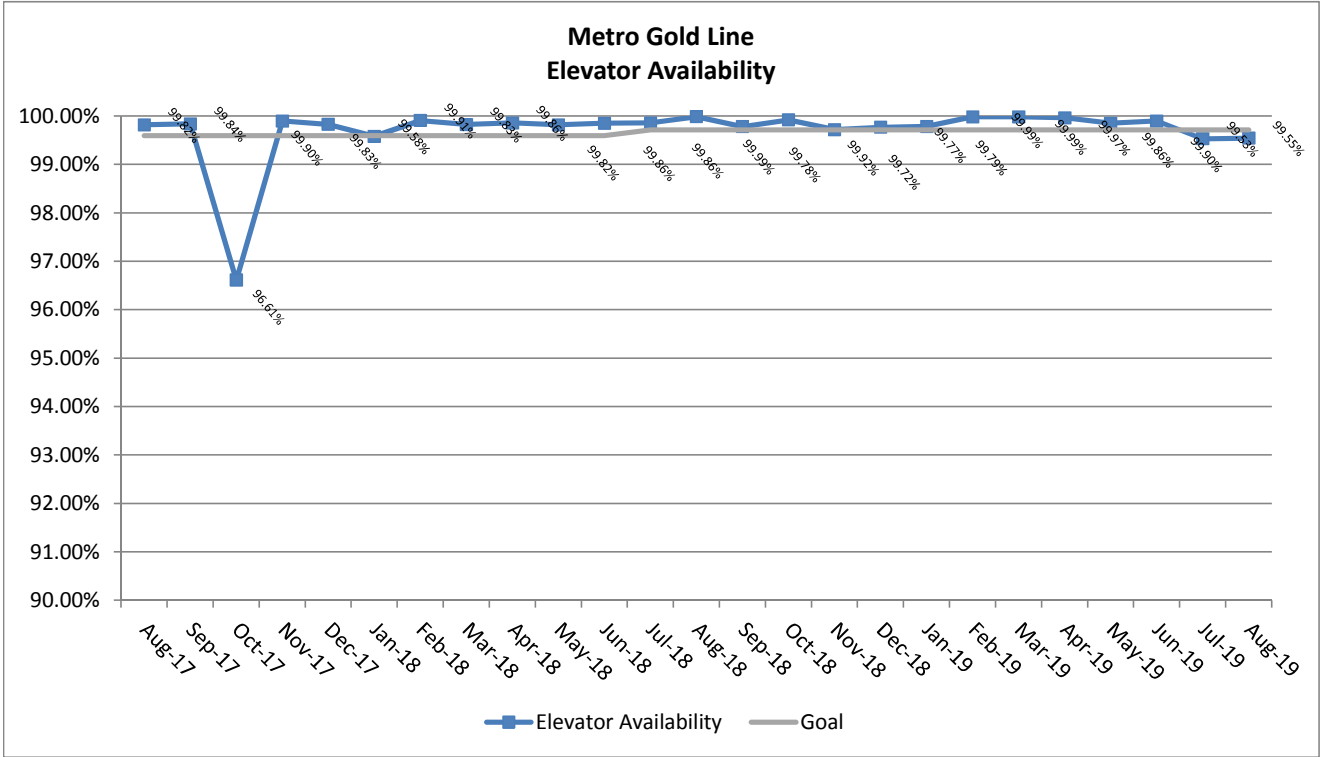
## LOST TRIPS



## LOST HOURS



## VERTICAL TRANSPORTATION AVAILABILITY





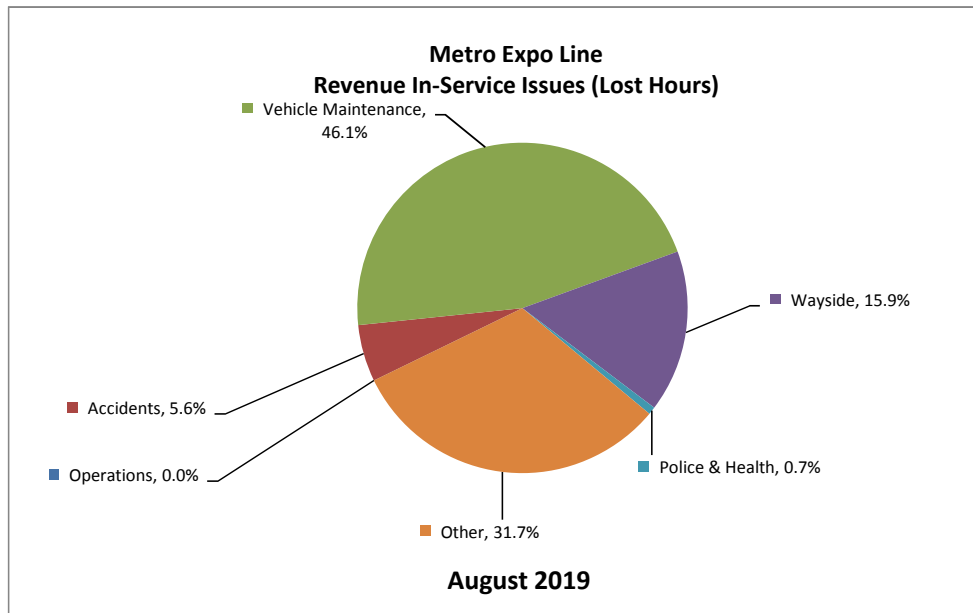
## EXPO LINE

Out of a total of 20,252 hours operated, there were approximately 48 total hours of service delays.

August 2019 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	20,204	99.8%
Cancelled + Delayed Hours	48	0.2%
<b>Total Revenue Hours</b>	<b>20,252</b>	<b>100.0%</b>

Summary of the incidents:	Count	Hours	Percent
Operations	1	0.0	0.0%
Accidents	1	2.7	5.6%
Vehicle Maintenance	11	22.2	46.1%
Wayside	2	7.7	15.9%
Police & Health	4	0.4	0.7%
Other	11	15.3	31.7%
<b>Total</b>	<b>30</b>	<b>48.2</b>	<b>100.0%</b>

\* Data from M3 used to report Service Delays is under review for accuracy  
 The number of incidents on the following page may differ from the summary count due to some incidents not properly designated as Cancelled or Delayed



## **August 2019 Expo Line incidents causing delay were as follows:**

### **Operations Incidents:**

**8/30/2019 5:29:00 AM - Incident# 3194202 (0 lost trips, lost minutes) CHARGEABLE**

T-204 working BB, operating train 611 (cars 250,246,247), departed Santa Monica station 7 minutes late due to a 10-100 request.

### **Accidents:**

**8/13/2019 9:18:00 PM - Incident# 3187039 (1 lost trip, 161 lost minutes) CHARGEABLE**

Train vs, Trespasser

Train #610, T-265

(1040B)-1025-1047

SB, 100 ft north of Farmdale Station, Track #4

### **Vehicle Maintenance Incidents:**

**8/1/2019 5:21:00 PM - Incident# 3182057 (1 lost trip, 151 lost minutes)**

Operator reports that the doors on trains 602 car 1069 will not open. Passengers began pulling the emergency handle to open the doors.

Train 602

T-29

1019-1037-(1069)

Sepulveda Station track 3 north

**8/7/2019 6:33:00 PM - Incident# 3184543 (0 lost trips, 8 lost minutes) CHARGEABLE**

Doors

Train 604

T-311

244-238-239

Southbound, Track 4 Western station.

**8/14/2019 5:04:00 PM - Incident# 3187491 (0 lost trips, 11 lost minutes)**

T-126 on Train 618 states car 1018 has a SLC fault. Also Train 1002 high speed circuit breaker tripped and train has a speed restriction of 35mph.

Train 618, cars 1002-1018-1024, Crenshaw, Track 4, southbound.

**8/18/2019 8:58:00 AM - Incident# 3188821 (1 lost trip, 141 lost minutes)**

T-514 reported self applying brakes in car (245B) Southbound at La Cienega Station.

T-514

Train 601

(245)-244-249

Southbound, Track 4

La Cienega Station

**8/19/2019 5:35:00 AM - Incident# 3189034 (1 lost trip, 147 lost minutes)**

Operator reports multiple prop faults on car#1003 A.

T-226

Tr#601

Cars#1003A)-1061

Southbound Trk#4

Between Normandie/Vermont

**8/22/2019 7:20:00 AM - Incident# 3190676 (2 lost trips, 289 lost minutes)**

ATP fail no movement

Train #605 T-417 Car#237A-301-247

northbound at Westwood rancho PK

**8/22/2019 3:54:00 PM - Incident# 3190870 (1 lost trip, 148 lost minutes)**

Operator reports a HSBC and SLT fault that will not clear on car 1069.

Train 603

T-405

Cars (1069)-1065-1020

Track 3, Culver City, Northbound

**8/26/2019 3:10:00 PM - Incident# 3192363 (0 lost trips, lost minutes)**

Operator T-126 reports loud noise, possible flats from car 1052 at Bundy Station northbound.

**8/27/2019 4:02:00 PM - Incident# 3193056 (1 lost trip, 143 lost minutes)**

T-238 on Train 616 reports propulsion fault and speed restriction on lead car 247B.

Train 616, Cars (247)-246-242, Crenshaw, Track 2, Southbound.

**8/28/2019 6:41:00 PM - Incident# 3193578 (2 lost trips, 284 lost minutes) CHARGEABLE**

Operator reports that the HVAC in car 1029A is not working and d SLC fault with a speed restriction.

T-268

Train 606

Cars (1029A)-1030-1037

Track 3, 17th street station, northbound.

**8/29/2019 8:27:00 AM - Incident# 3193770 (0 lost trips, 12 lost minutes)**

Friction Brakes

245-(249)-302

Train 611

T-226

Crenshaw, Track 4, Westbound.

**Wayside Incidents:**

**8/24/2019 4:11:00 AM - Incident# 3191418 (1 lost trip, 151 lost minutes)**

22nd Street Interlocking- Track Circuit 10-06 False Occupancy

**8/25/2019 9:24:00 PM - Incident# 3191937 (2 lost trips, 308 lost minutes) CHARGEABLE**

No Power Zero Volts, HSCB trip alarm  
Train 605  
T-219  
(K1047), K1029, K1054  
Flower/18, track 2, southbound

### **Police & Health Incidents:**

#### **8/3/2019 5:16:00 AM - Incident# 3182650 (0 lost trips, 8 lost minutes)**

CCTV Observer, R-458, reported an individual on board train 603 damaging advertising signs in car 1039.  
T-296  
Train 603  
1052-(1039)-1020  
Downtown Santa Monica

#### **8/4/2019 5:21:00 PM - Incident# 3183067 (0 lost trips, 3 lost minutes)**

T-29 on train 601 reported a trespasser at Sepulveda station.

#### **8/7/2019 9:04:00 AM - Incident# 3184303 (0 lost trips, 6 lost minutes)**

USC/Expo Park Station Track-4, Train-616 T-241 consist #1031-1017-1027 received "PIC" upon investigation determined individual on-board having seizure in car #1027. In process of collapsing struck right front of head causing blood debris onto car #1027.

#### **8/14/2019 1:04:00 PM - Incident# 3187330 (0 lost trips, 5 lost minutes)**

T-126 reports physical altercation on train 604.  
Train 604, cars 1031-1017-1027, 23rd Street Station, Platform 4, about to depart southbound.

### **Other Incidents:**

#### **8/2/2019 4:21:00 PM - Incident# 3182508 (0 lost trips, 6 lost minutes)**

Operator T-232 reports that a passenger on train 609 is having a heart attack.  
train 609  
T-232  
(1032)-1049-1034  
26th street station Track 4 south

#### **8/4/2019 4:20:00 PM - Incident# 3183062 (0 lost trips, 7 lost minutes)**

T-543 reported the a black male in a wheel chair was slumped over and unresponsive.

#### **8/8/2019 12:12:00 PM - Incident# 3184894 (0 lost trips, 12 lost minutes)**

Patron requests medical assistance for chest pain (1064)1036,1014.  
Vermont Station  
Train #610, T-495, track #3, northbound.

#### **8/8/2019 3:54:00 PM - Incident# 3184989 (1 lost trip, 141 lost minutes)**

Vomit on consist (1020)1039,1052.  
23rd street station  
Train #610, T-47, track #4, southbound.

**8/9/2019 7:34:00 PM - Incident# 3185523 (0 lost trips, 6 lost minutes)**  
Suicidal person at Sepulveda Station bleeding trying to jump in front in trains.

**8/13/2019 5:39:00 PM - Incident# 3186912 (1 lost trip, 149 lost minutes)**  
Sick individual  
Train #621  
T-473  
Cars (1061-1065-1051  
Western station track 4 S/B

**8/15/2019 11:18:00 AM - Incident# 3187791 (0 lost trips, 12 lost minutes)**  
Sick Individual, cars (1065)-1004-1062  
Train #407  
Train #607  
La Cienega Station, track #3, Northbound.

**Unable To Duplicate:**

**8/25/2019 10:37:00 AM - Incident# 3191788 (2 lost trips, 282 lost minutes)**  
Friction Brake Fault on car (1033A), no movement.

**8/9/2019 3:33:00 PM - Incident# 3185451 (2 lost trips, 288 lost minutes)**  
Operator reports that the doors in car 250 the door will not close.  
Train 620  
T-373  
Cars 302-244-(250)  
North bound track 3 USC Jefferson Station

**8/16/2019 8:43:00 AM - Incident# 3188225 (0 lost trips, 10 lost minutes)**  
T-47 operating train 608, track 4, southbound, at Crenshaw station had a wheelchair patron that was unable to exit the train due to doors 7 and 8 on car 1027A being cut out, and unable to be cut back in to

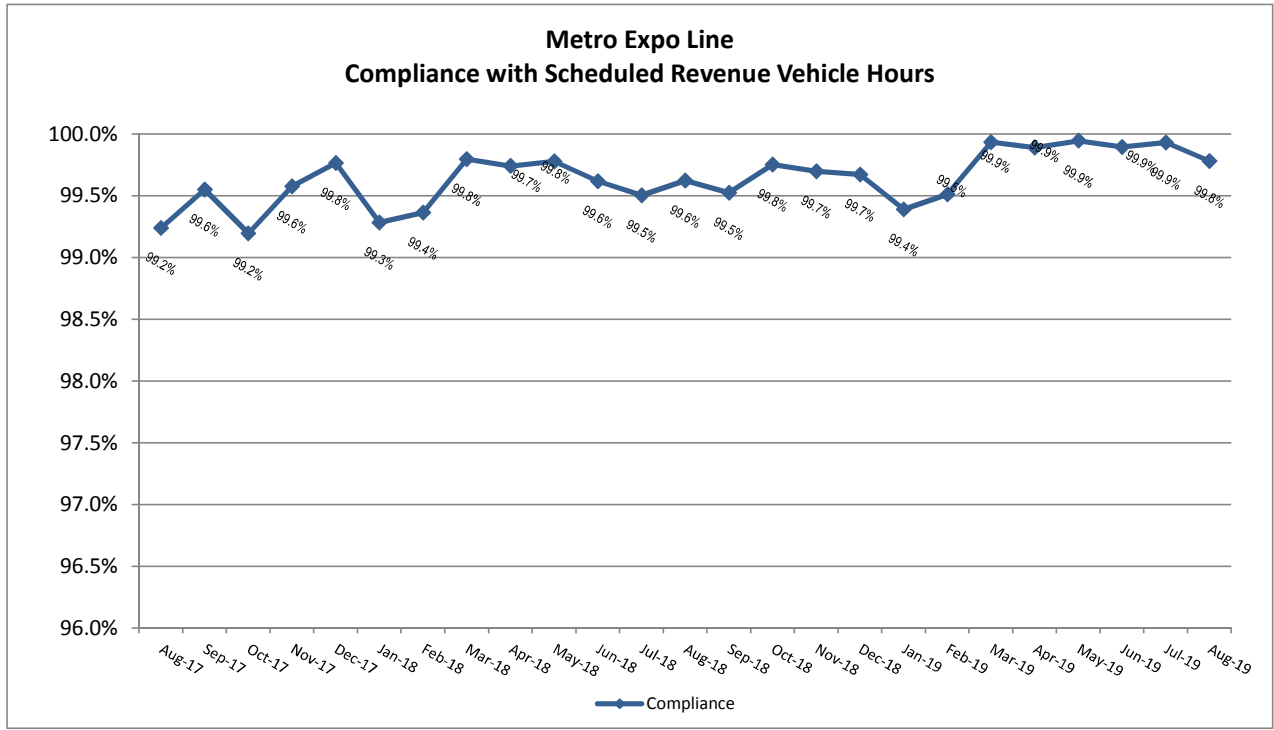
**Reset:**

**8/18/2019 4:25:00 AM - Incident# 3188781 (0 lost trips, 6 lost minutes)**  
T-100 reported a friction brake fault in car 237 while attempting to proceed Southbound from 23rd Street Station.  
T-100  
Train 603  
302-238-(237)  
Southbound, Track 4

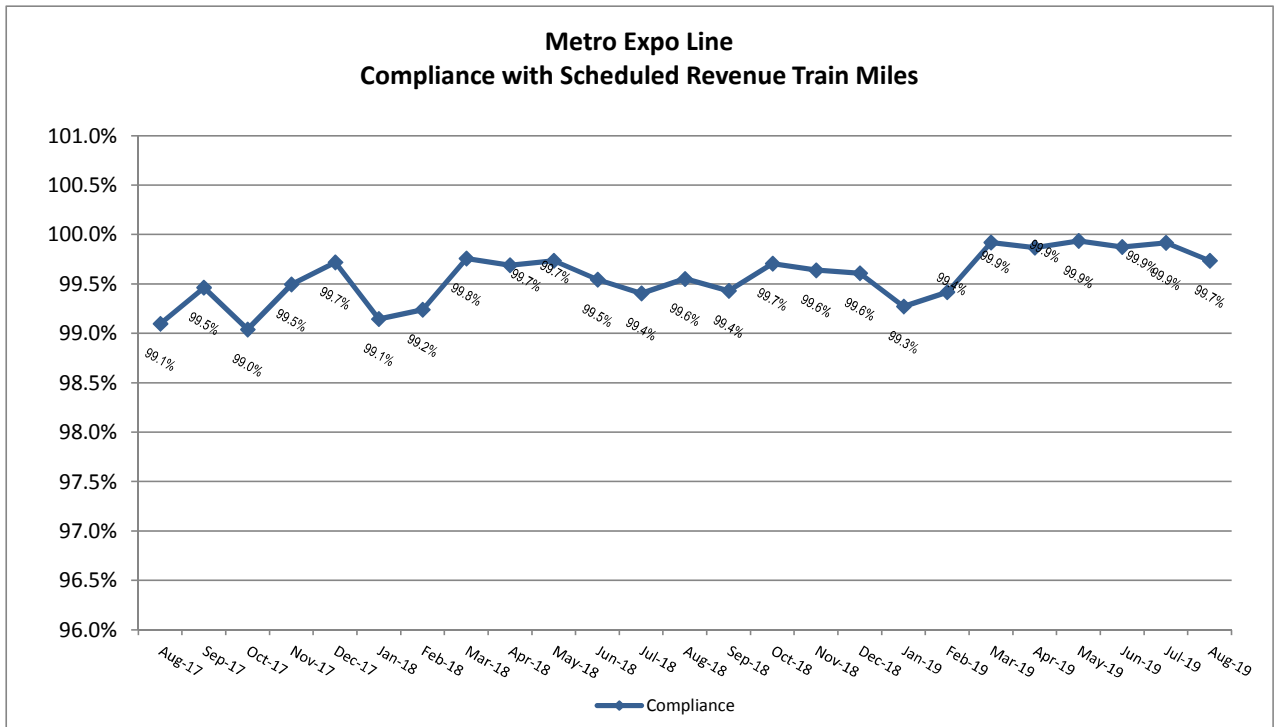
# MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

## COMPLIANCE WITH SCHEDULED VEHICLE HOURS

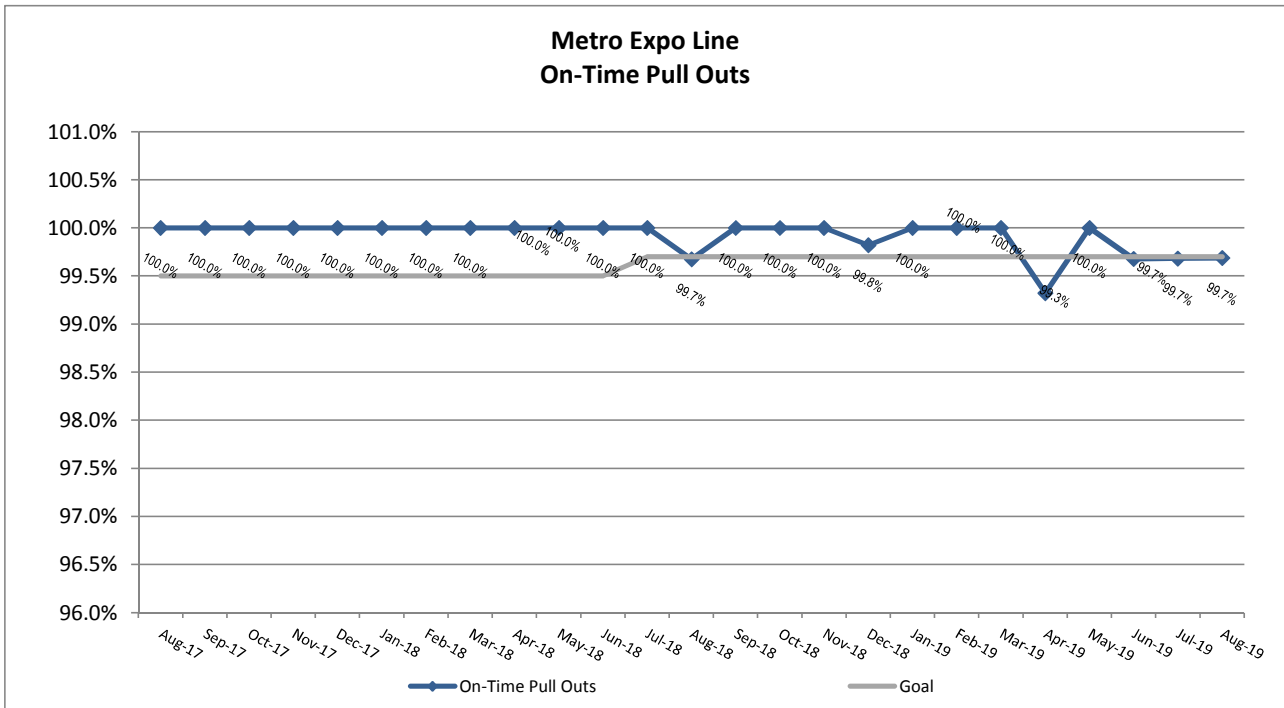
### Aug 2019



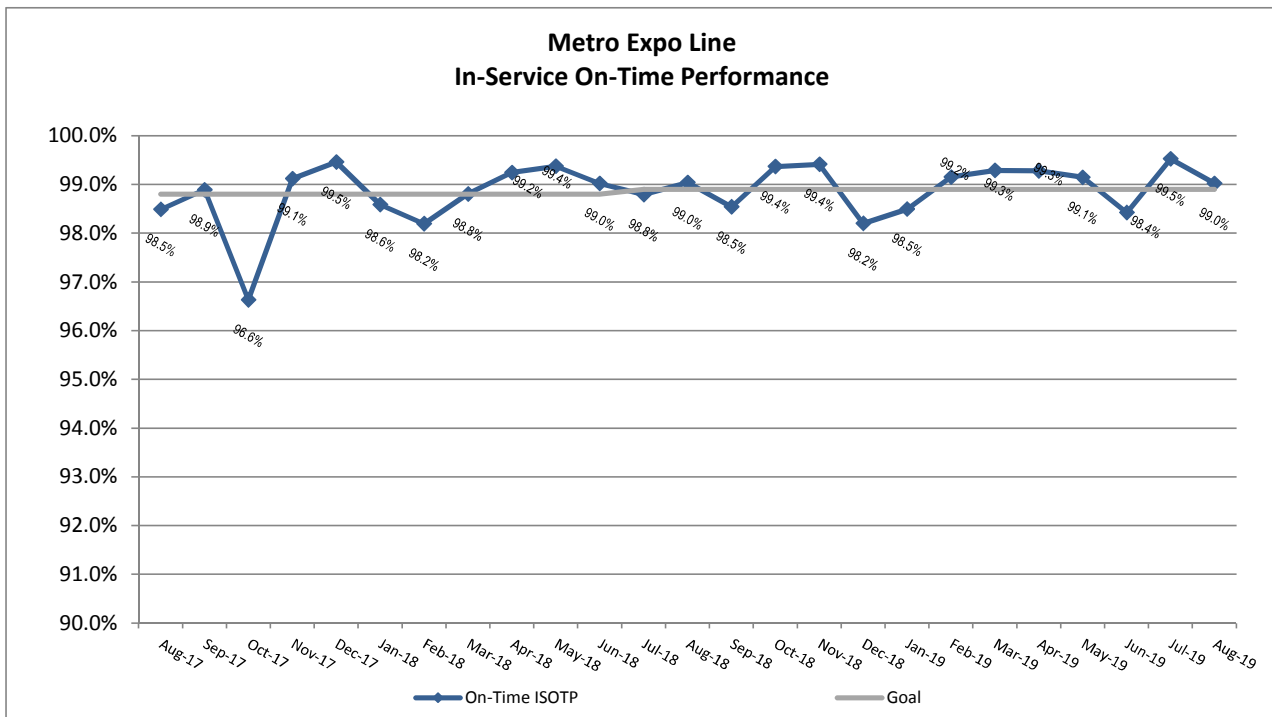
## COMPLIANCE WITH SCHEDULED TRAIN MILES



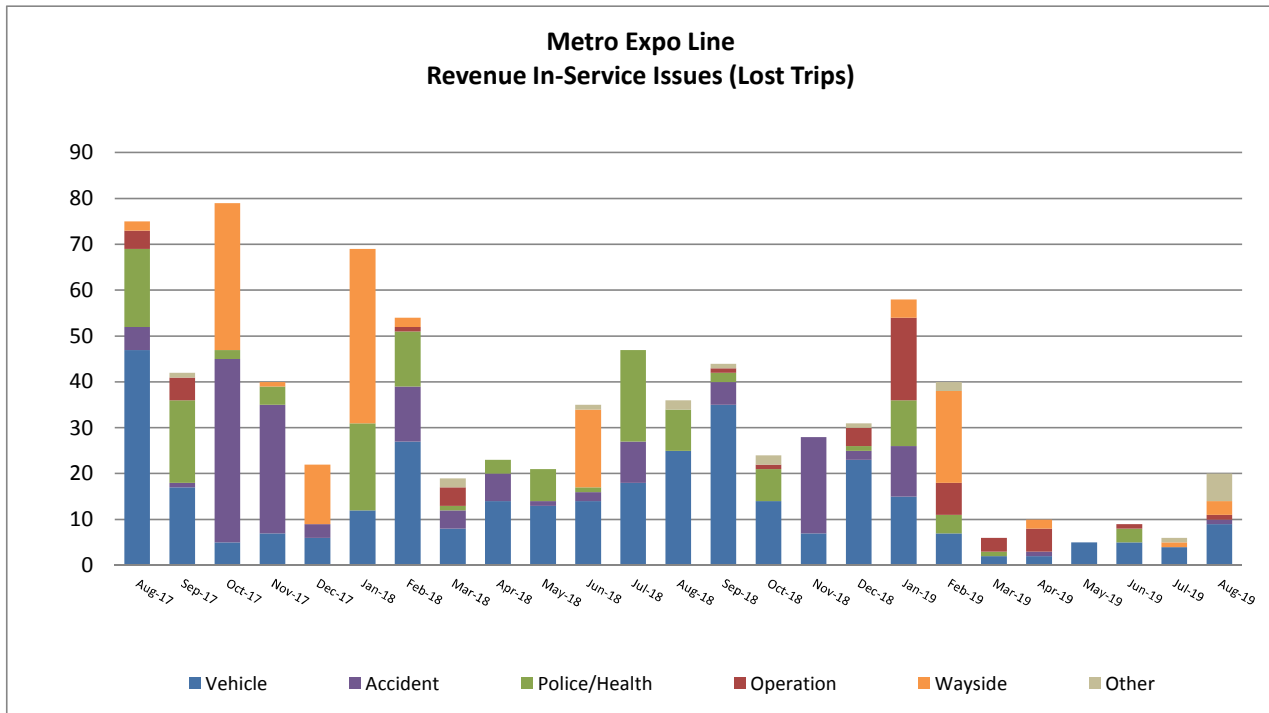
## ON-TIME PULL OUTS



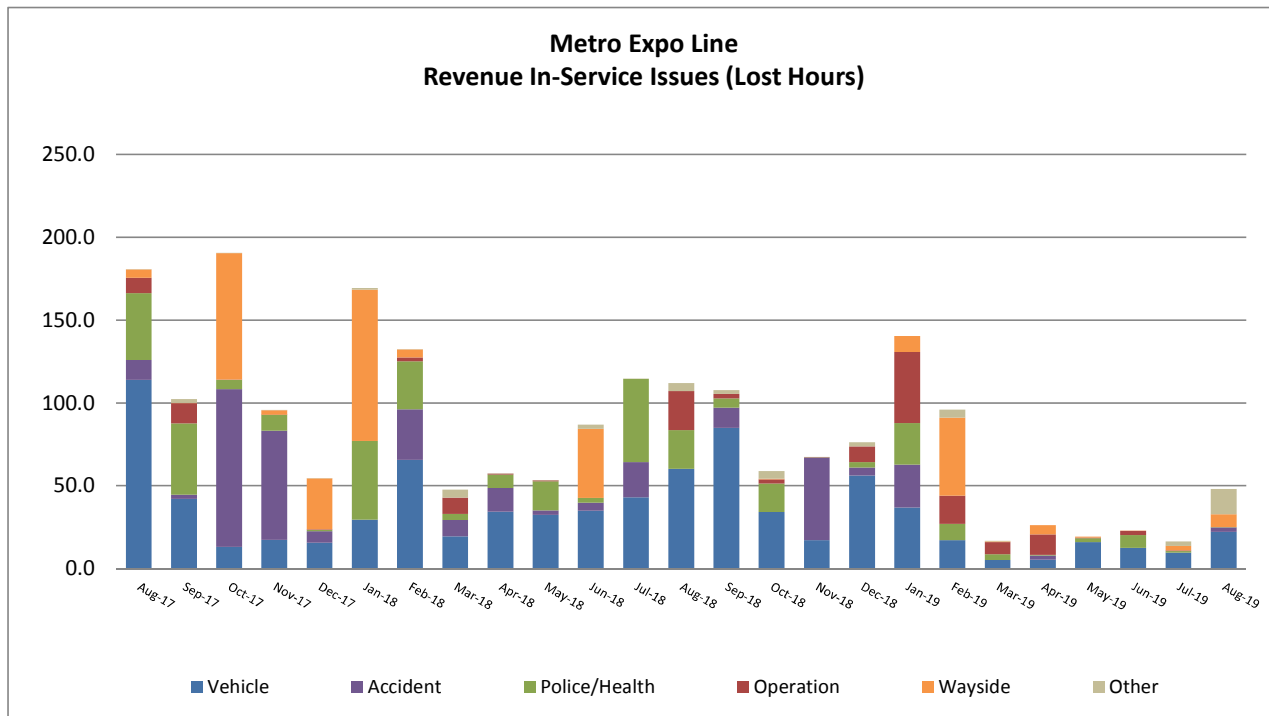
## IN-SERVICE ON-TIME PERFORMANCE



## LOST TRIPS

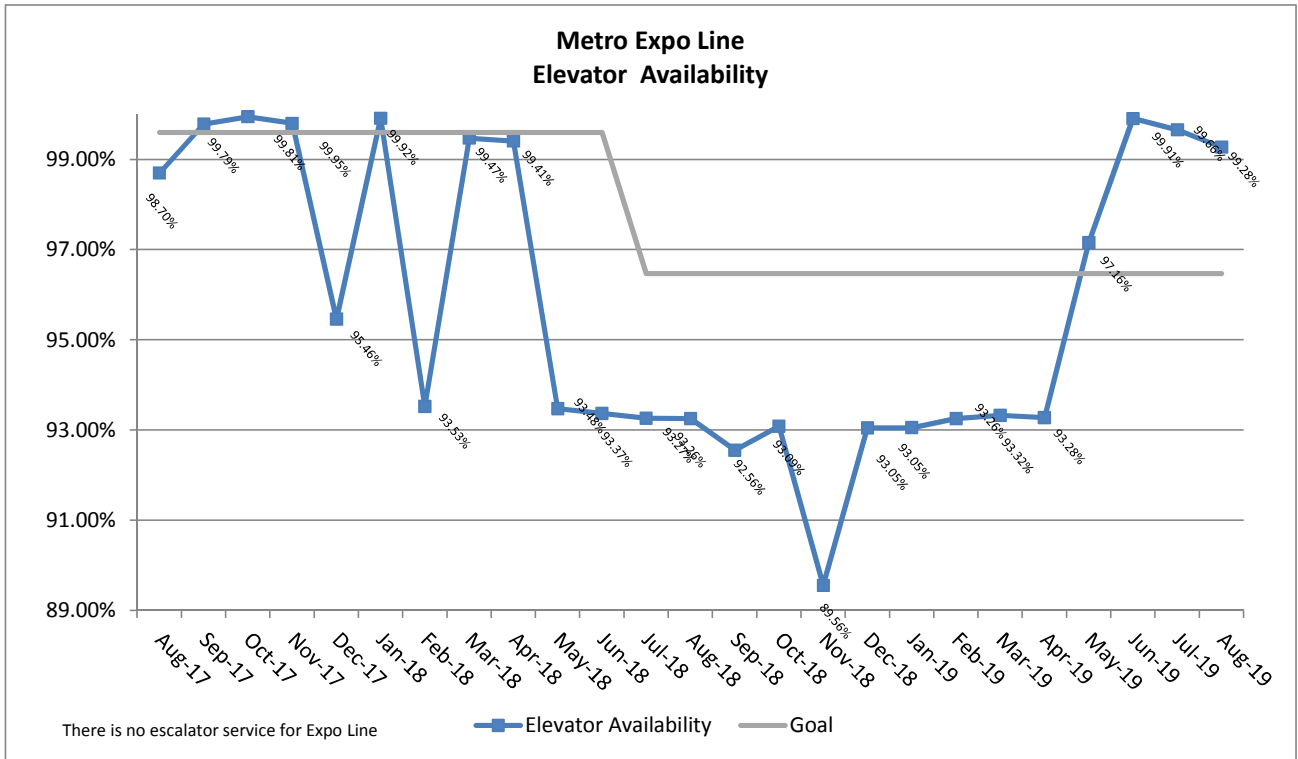


## LOST HOURS





## VERTICAL TRANSPORTATION AVAILABILITY



Note: An elevator at Culver City Station has been out of service indefinitely.