

Los Angeles County
Metropolitan Transportation Authority
California

OPERATIONS MONTHLY RAIL PERFORMANCE REPORT

DECEMBER 2017



M Metro

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METRO RAIL PERFORMANCE – DECEMBER 2017

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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 2015	FY 2016	FY 2017	FY 2018 Target	FY 2018 YTD	FYTD Status	Oct Month	Nov Month	Dec Month
Systemwide									
On-Time Pullouts	99.67%	99.63%	99.61%	99.50%	99.60%	●	99.36%	99.61%	99.60%
Mean Miles Between Chargeable Mechanical Failures ³	34,524	30,482	29,711	32,550	26,777	●	28,551	32,952	30,053
In-Service On-time Performance	98.39%	98.10%	98.24%	98.99%	98.34%	●	97.65%	98.91%	98.06%
Service Delivery Ratio	99.35%	99.22%	99.23%	99.00%	99.10%	●	98.82%	99.33%	98.72%
Traffic Accidents Per 100,000 Train Miles	1.18	1.17	1.01	1.01	1.02	●	1.59	0.68	0.80
CPUC Reportable Accidents per 100,000 Train Miles	0.43	0.60	0.36	0.37	0.69	●	1.19	0.68	0.53
Passenger Accidents per 100,000 Boardings	0.013	0.016	0.023	0.010	0.023	●	0.010	0.011	0.044
Complaints per 100,000 Boardings	0.78	1.43	1.98	1.10	1.77	●	1.95	1.77	1.52
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ^{1,2}	11.11	10.97	12.27	10.42	11.99	●	14.79	17.47	4.98
Lost Work Days per 200,000 Exposure Hours ^{1,2}	880	482	733	450.00	887	●	950	1,195	-
OSHA Injuries per 200,000 Exposure Hours ^{1,2}	6.68	6.32	8.53	6.00	7.94	●	11.10	7.76	-
Wayside									
Overdue Work Orders (Non-PMP) - Aging of Outstanding Work Orders	83	351	970	N/A	1,639	N/A	199	274	675
Past-Due Preventive Maintenance - Aging of Outstanding Work Orders	1	2	93	N/A	165	N/A	17	34	67
% of Completed Inspections	99.51%	99.57%	99.72%	N/A	99.78%	N/A	99.75%	100.00%	99.50%
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	9.07	4.77	5.35	4.53	4.09	●	0.00	8.23	0.00
Lost Work Days per 200,000 Exposure Hours ¹	309	148	194	138	344	●	462	337	0
OSHA Injuries per 200,000 Exposure Hours ¹	8.28	4.40	4.01	4.18	3.25	●	0.00	4.11	0
Blue Line									
On-Time Pullouts	99.41%	99.59%	99.60%	99.50%	98.99%	●	98.01%	99.26%	99.38%
Mean Miles Between Chargeable Mechanical Failures ³	23,716	19,240	15,405	22,825	12,103	●	14,121	13,164	15,635
In-Service On-time Performance	97.28%	96.10%	96.44%	98.80%	96.21%	●	96.76%	97.73%	94.80%
Service Delivery Ratio	98.88%	98.41%	98.54%	99.00%	97.86%	●	97.69%	98.74%	95.96%
Traffic Accidents Per 100,000 Train Miles	2.48	2.38	2.18	2.18	1.96	●	2.62	2.01	1.35
CPUC Reportable Accidents per 100,000 Train Miles	0.89	1.39	0.71	0.40	1.42	●	1.31	2.01	1.35
Passenger Accidents per 100,000 Boardings	0.034	0.016	0.046	0.010	0.045	●	0.052	0.000	0.000
Complaints per 100,000 Boardings	0.90	1.33	1.67	1.07	2.25	●	2.76	1.88	2.00
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ¹	15.10	15.08	16.74	10.42	17.39	●	19.96	20.63	10.94
Lost Work Days per 200,000 Exposure Hours ¹	1,622	797	836	450	1,114	●	768	2,323	-
OSHA Injuries per 200,000 Exposure Hours ¹	10.64	6.79	10.40	6.00	8.27	●	4.99	15.47	-

¹ There is a One Month lag in reporting this data

² Includes Operations, RFS and Wayside

³ 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 2015	FY 2016	FY 2017	FY 2018 Target	FY 2018 YTD	FYTD Status	Oct Month	Nov Month	Dec Month
Red Line									
On-Time Pullouts	99.91%	99.79%	99.95%	99.50%	99.93%	●	100.00%	100.00%	100.00%
Mean Miles Between Chargeable Mechanical Failures ³	85,090	94,312	104,637	131,376	68,252	●	77,032	82,908	82,921
In-Service On-time Performance	99.13%	99.45%	99.39%	99.50%	99.25%	●	98.63%	99.43%	99.60%
Service Delivery Ratio	99.60%	99.71%	99.72%	100.00%	99.64%	●	99.53%	99.63%	99.72%
Traffic Accidents Per 100,000 Train Miles	0.47	0.75	0.57	0.57	0.43	●	0.00	0.00	0.83
CPUC Reportable Accidents per 100,000 Train Miles	0.07	0.07	0.14	0.21	0.14	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.002	0.002	0.004	0.000	0.000	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	0.54	0.57	1.19	0.55	1.09	●	1.26	1.04	0.64
New Workers' Compensation Indemnity Claims per	6.20	16.43	12.68	10.42	13.08	●	10.87	28.43	11.05
*Lost Work Days per 200,000 Exposure Hours	649	526	992	450	1,192	●	1,902	554	-
*OSHA Injuries per 200,000 Exposure Hours	3.54	7.99	7.52	6.00	4.50	●	5.44	5.69	-

Green Line									
On-Time Pullouts	99.32%	99.49%	99.69%	99.50%	99.44%	●	98.58%	100.00%	98.88%
Mean Miles Between Chargeable Mechanical Failures ³	21,054	19,238	16,375	23,220	18,820	●	14,909	32,871	14,807
In-Service On-time Performance	97.39%	98.52%	98.69%	98.80%	98.47%	●	98.22%	99.00%	96.10%
Service Delivery Ratio	99.50%	99.59%	99.61%	99.00%	99.24%	●	99.12%	99.46%	97.73%
Traffic Accidents Per 100,000 Train Miles	0.21	0.42	0.48	0.48	0.41	●	0.00	0.00	0.00
CPUC Reportable Accidents per 100,000 Train Miles	0.07	0.07	0.07	0.40	0.00	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.024	0.034	0.048	0.010	0.000	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	0.89	1.54	2.08	1.27	1.65	●	1.59	0.83	1.71
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	7.32	7.18	9.14	10.42	12.67	●	18.01	18.53	0.00
*Lost Work Days per 200,000 Exposure Hours	479	228	712	450	932	●	1,019	959	-
*OSHA Injuries per 200,000 Exposure Hours	4.07	3.19	6.65	6.00	13.37	●	18.01	18.53	-

Gold Line									
On-Time Pullouts	99.98%	99.68%	99.82%	99.50%	99.90%	●	100.00%	99.62%	99.74%
Mean Miles Between Chargeable Mechanical Failures ³	44,171	40,426	38,427	60,252	35,050	●	37,707	31,821	33,910
In-Service On-time Performance	98.56%	97.60%	97.61%	98.80%	98.83%	●	97.76%	99.05%	99.28%
Service Delivery Ratio	99.34%	99.11%	98.88%	99.00%	99.12%	●	98.37%	99.20%	99.33%
Traffic Accidents Per 100,000 Train Miles	1.14	0.99	0.61	0.61	0.43	●	0.43	0.00	0.43
CPUC Reportable Accidents per 100,000 Train Miles	0.30	0.60	0.25	0.40	0.29	●	0.43	0.00	0.43
Passenger Accidents per 100,000 Boardings	0.007	0.039	0.030	0.010	0.084	●	0.000	0.000	0.302
Complaints per 100,000 Boardings	1.01	2.73	2.78	2.22	2.33	●	2.32	3.53	2.49
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	15.96	11.87	14.31	10.42	12.20	●	15.91	5.61	5.81
*Lost Work Days per 200,000 Exposure Hours	1,068	766	1,055	450	1,087	●	1,001	1,731	-
*OSHA Injuries per 200,000 Exposure Hours	3.83	9.29	9.69	6.00	10.07	●	10.60	0.00	-

Expo Line									
On-Time Pullouts	-	99.53%	98.76%	99.50%	99.73%	●	100.00%	99.41%	99.84%
Mean Miles Between Chargeable Mechanical Failures ³	-	18,114	33,402	22,825	40,463	●	46,590	120,115	59,466
In-Service On-time Performance	99.14%	98.61%	98.48%	98.80%	98.57%	●	96.63%	99.12%	99.46%
Service Delivery Ratio	99.64%	99.56%	99.46%	99.00%	99.50%	●	99.29%	99.57%	99.75%
Traffic Accidents Per 100,000 Train Miles	1.02	0.74	1.26	1.26	2.15	●	5.52	1.63	1.65
CPUC Reportable Accidents per 100,000 Train Miles	1.02	0.50	0.63	0.40	1.74	●	4.73	1.63	0.82
Passenger Accidents per 100,000 Boardings	0.000	0.019	0.018	0.010	0.010	●	0.000	0.063	0.000
Complaints per 100,000 Boardings	1.12	3.38	3.68	1.83	2.36	●	2.51	2.33	2.00
New Workers' Compensation Indemnity Claims per	24.97	8.44	19.26	10.42	16.56	●	36.88	30.51	0.00
*Lost Work Days per 200,000 Exposure Hours	937	73	887	450	849	●	743	1,437	-
*OSHA Injuries per 200,000 Exposure Hours	-	5.63	16.60	6.00	13.63	●	44.25	7.63	-

* There is One Month lag in reporting this data

³ 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.

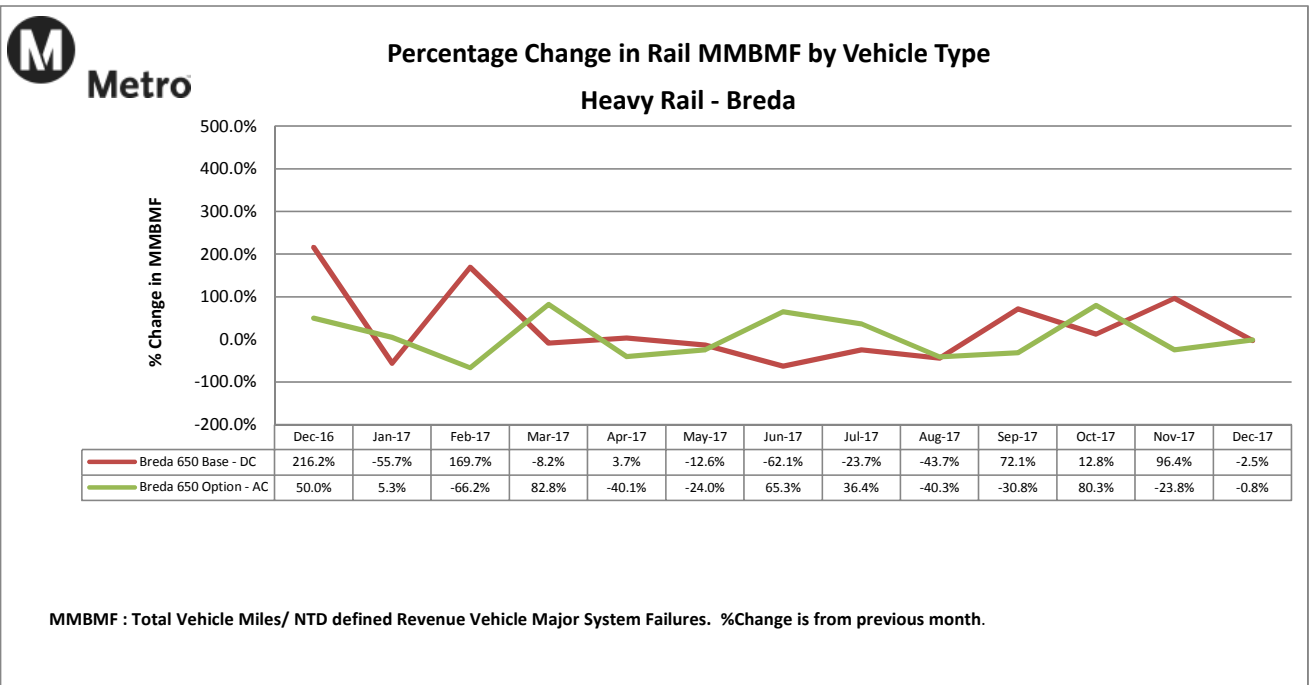
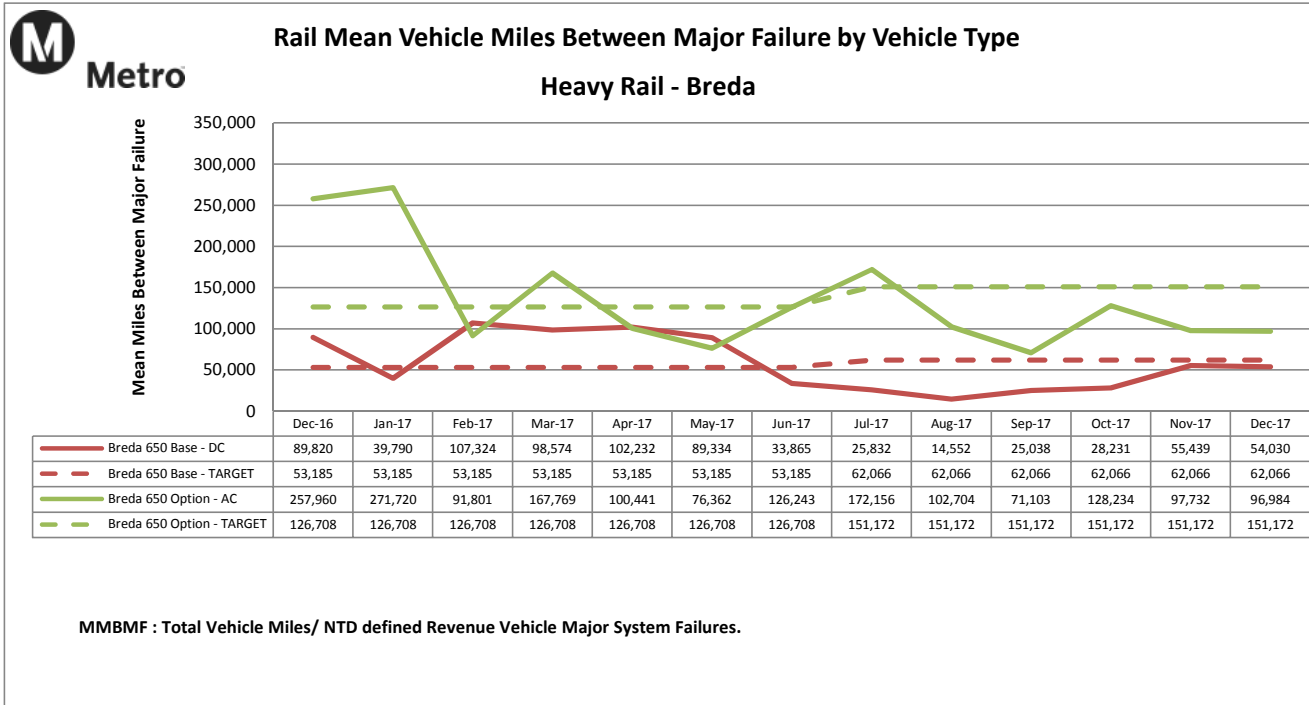
● Yellow - Uncertain if the target will be achieved -- slight problems, delays or management issues. Falls below Target 70 - 99%.

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

N/A = Not Available

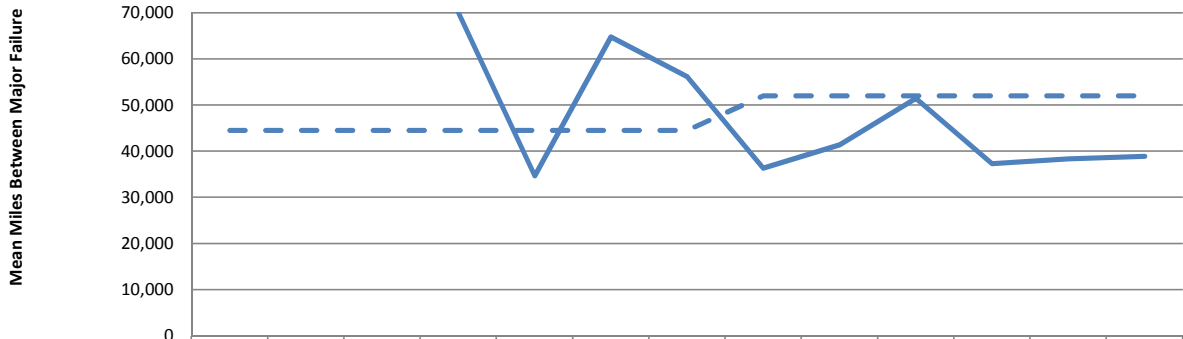
METRO RAIL PERFORMANCE – DECEMBER 2017

Rail Performance by Vehicle Type





Rail Mean Vehicle Miles Between Major Failure by Vehicle Type Light Rail - Breda

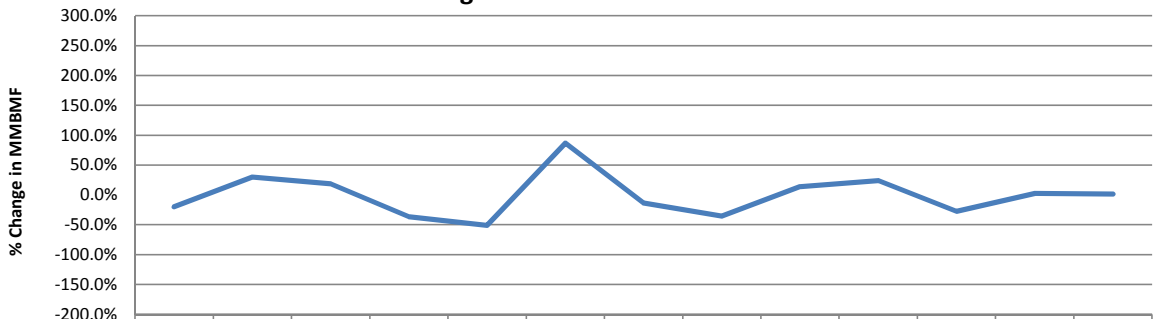


	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
— AnsaldoBreda 2550 Base - AC	71,550	92,980	110,322	70,117	34,678	64,769	56,193	36,347	41,380	51,475	37,331	38,376	38,933
- - AnsaldoBreda 2550 Base - TARGET	44,517	44,517	44,517	44,517	44,517	44,517	44,517	51,977	51,977	51,977	51,977	51,977	51,977

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



Percentage Change in Rail MMBMF by Vehicle Type Light Rail - Breda



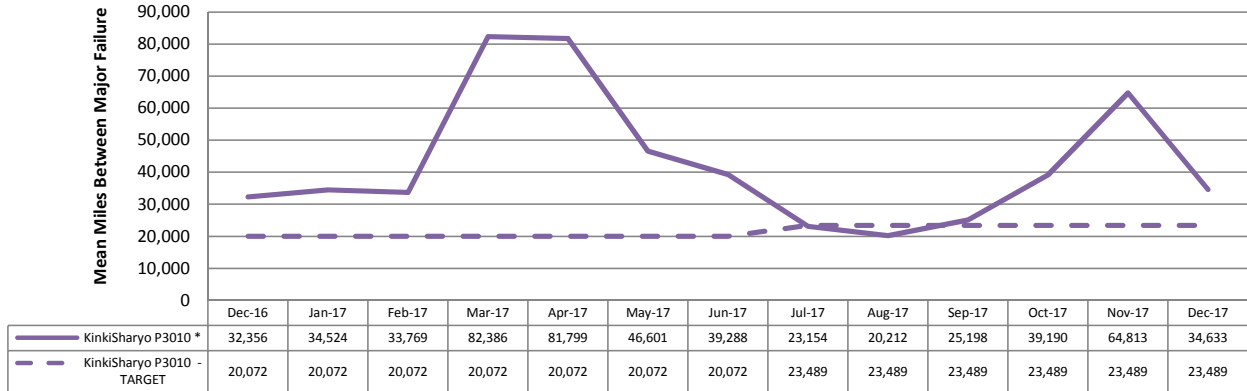
	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
— AnsaldoBreda 2550 Base - AC	-19.5%	30.0%	18.7%	-36.4%	-50.5%	86.8%	-13.2%	-35.3%	13.8%	24.4%	-27.5%	2.8%	1.5%

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

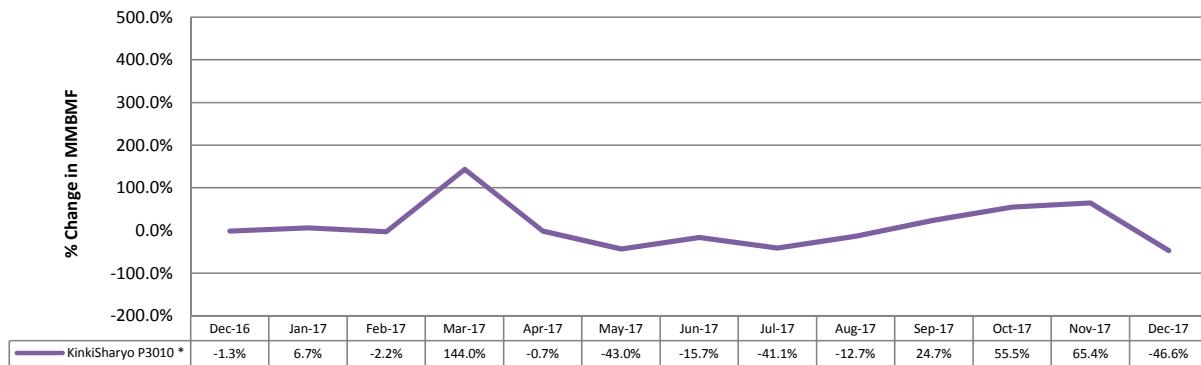


MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Metro

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.

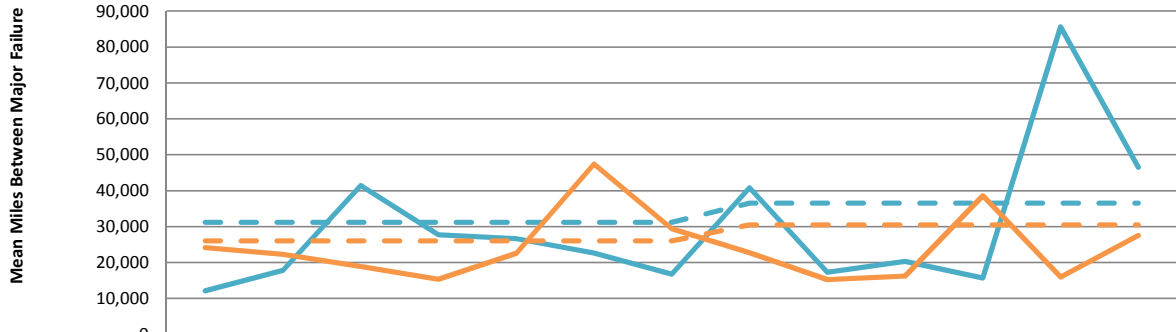
* KinkiSharyo rolling stock began service March 2016



Metro

Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

Light Rail - NipponSharyo



	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Nippon Sharyo 2020 - DC	12,147	17,872	41,450	27,775	26,695	22,633	16,760	40,831	17,363	20,372	15,702	85,687	46,539
Nippon Sharyo 2020 - TARGET	31,214	31,214	31,214	31,214	31,214	31,214	31,214	36,599	36,599	36,599	36,599	36,599	36,599
Nippon Sharyo 865 - DC	24,169	22,332	18,926	15,391	22,627	47,430	29,410	22,726	15,293	16,248	38,579	16,002	27,553
Nippon Sharyo 865 - TARGET	26,062	26,062	26,062	26,062	26,062	26,062	26,062	30,478	30,478	30,478	30,478	30,478	30,478

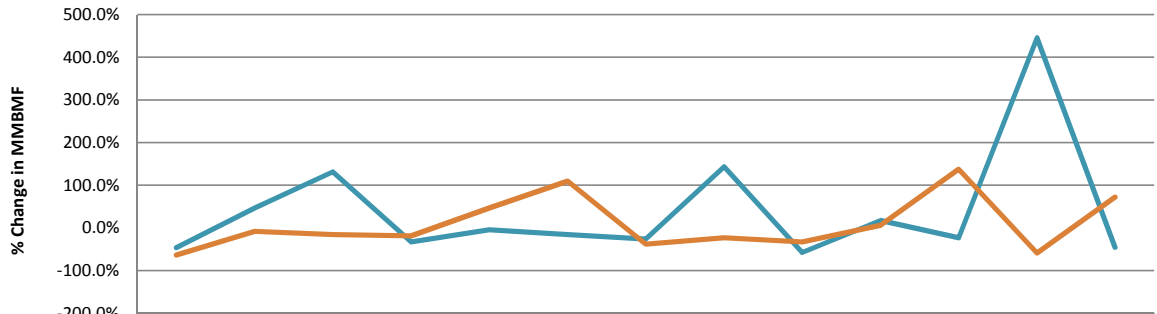
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Metro

Percentage Change in Rail MMBMF by Vehicle Type

Light Rail - NipponSharyo



	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Nippon Sharyo 2020 - DC	-46.3%	47.1%	131.9%	-33.0%	-3.9%	-15.2%	-25.9%	143.6%	-57.5%	17.3%	-22.9%	445.7%	-45.7%
Nippon Sharyo 865 - DC	-63.2%	-7.6%	-15.3%	-18.7%	47.0%	109.6%	-38.0%	-22.7%	-32.7%	6.2%	137.4%	-58.5%	72.2%

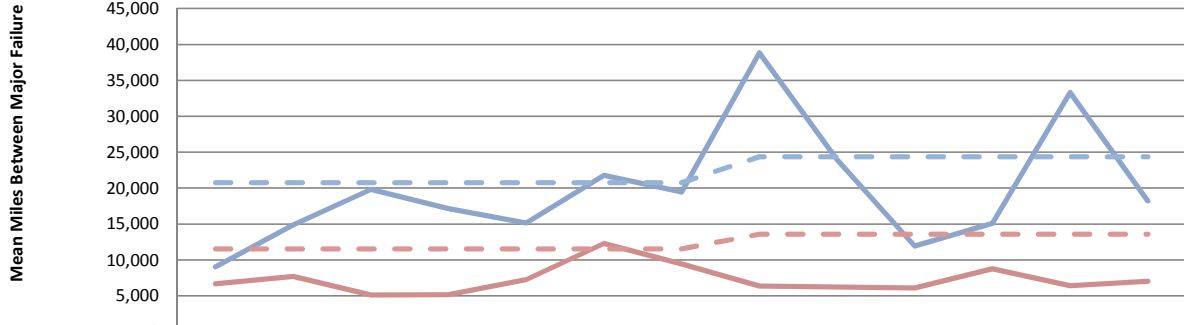
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.



Metro

Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

Light Rail - Siemens



	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Siemens 2000 Base - AC	9,073	14,888	19,848	17,159	15,154	21,822	19,462	38,847	23,981	11,972	15,109	33,352	18,247
Siemens 2000 Base - TARGET	20,778	20,778	20,778	20,778	20,778	20,778	20,778	24,373	24,373	24,373	24,373	24,373	24,373
Siemens 2000 GE/ATP - AC	6,716	7,700	5,125	5,161	7,257	12,322	9,443	6,369	6,238	6,121	8,769	6,445	7,074
Siemens 2000 GE/ATP - TARGET	11,559	11,559	11,559	11,559	11,559	11,559	11,559	13,620	13,620	13,620	13,620	13,620	13,620

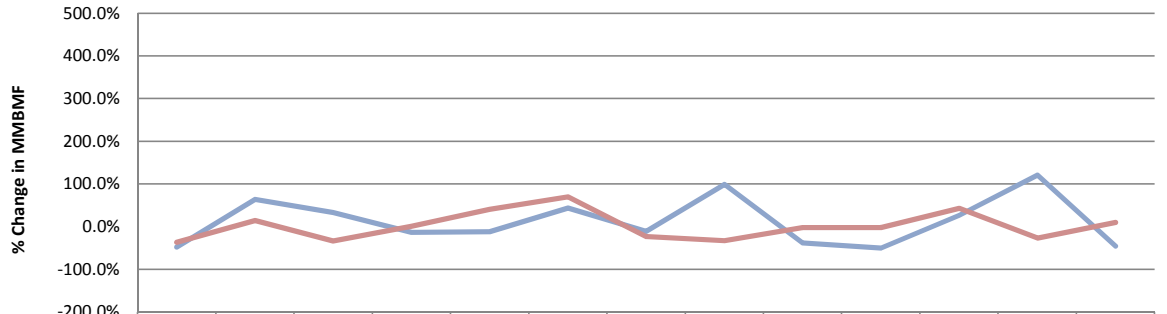
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Metro

Percentage Change in Rail MMBMF by Vehicle Type

Light Rail - Siemens



	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Siemens 2000 Base - AC	-47.6%	64.1%	33.3%	-13.6%	-11.7%	44.0%	-10.8%	99.6%	-38.3%	-50.1%	26.2%	120.7%	-45.3%
Siemens 2000 GE/ATP - AC	-36.6%	14.7%	-33.4%	0.7%	40.6%	69.8%	-23.4%	-32.5%	-2.1%	-1.9%	43.3%	-26.5%	9.8%

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

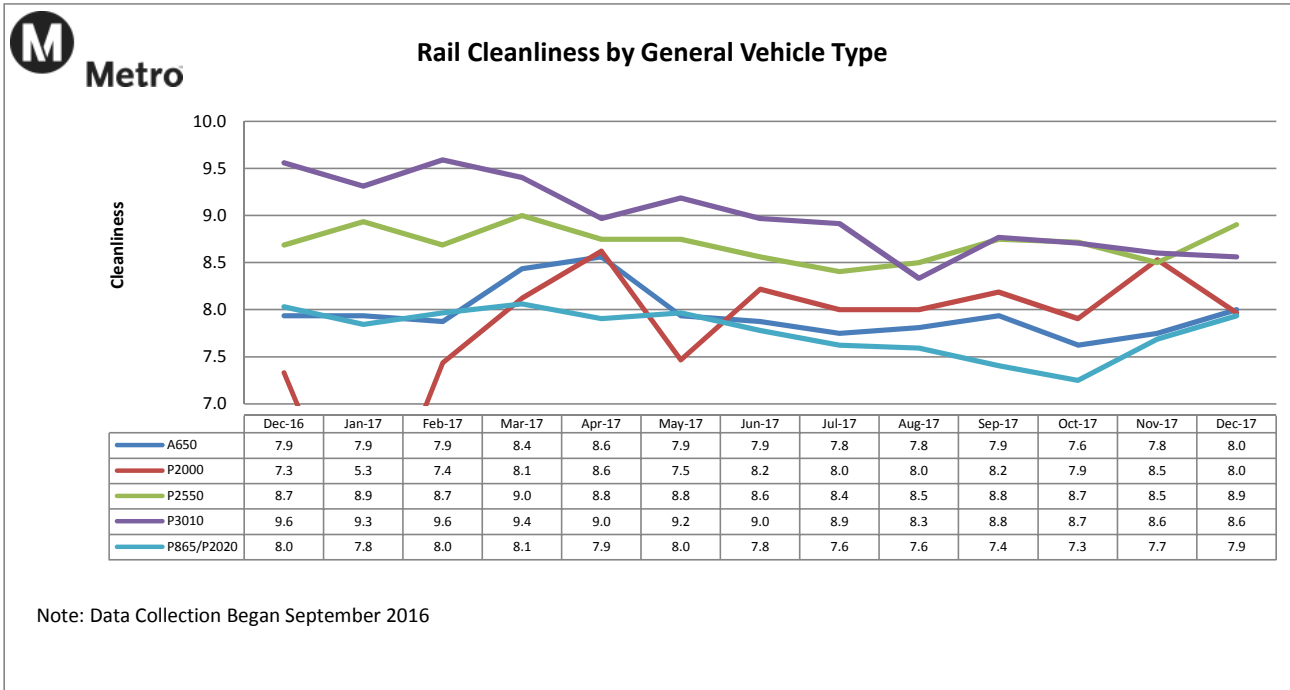
Mean Miles Between Major Failures

	FY 2017	FY 2018 Goal	FY 2018 YTD
AnsaldoBreda2550Base - AC	51,977	51,977	40,076
Breda 650 Base - DC	68,962	62,066	27,705
Breda 650 Option - AC	123,655	151,172	103,939
Kinkisharyo P3010	35,818	23,489	30,496
Nippon Sharyo 2020 - DC	19,963	36,599	26,147
Nippon Sharyo 865 - DC	23,455	30,478	20,479
Siemens 2000 Base - AC	16,738	24,373	19,922
Siemens 2000 GE/ATP - AC	7,988	13,620	6,714

Rail Fleet Distribution – DECEMBER 2017

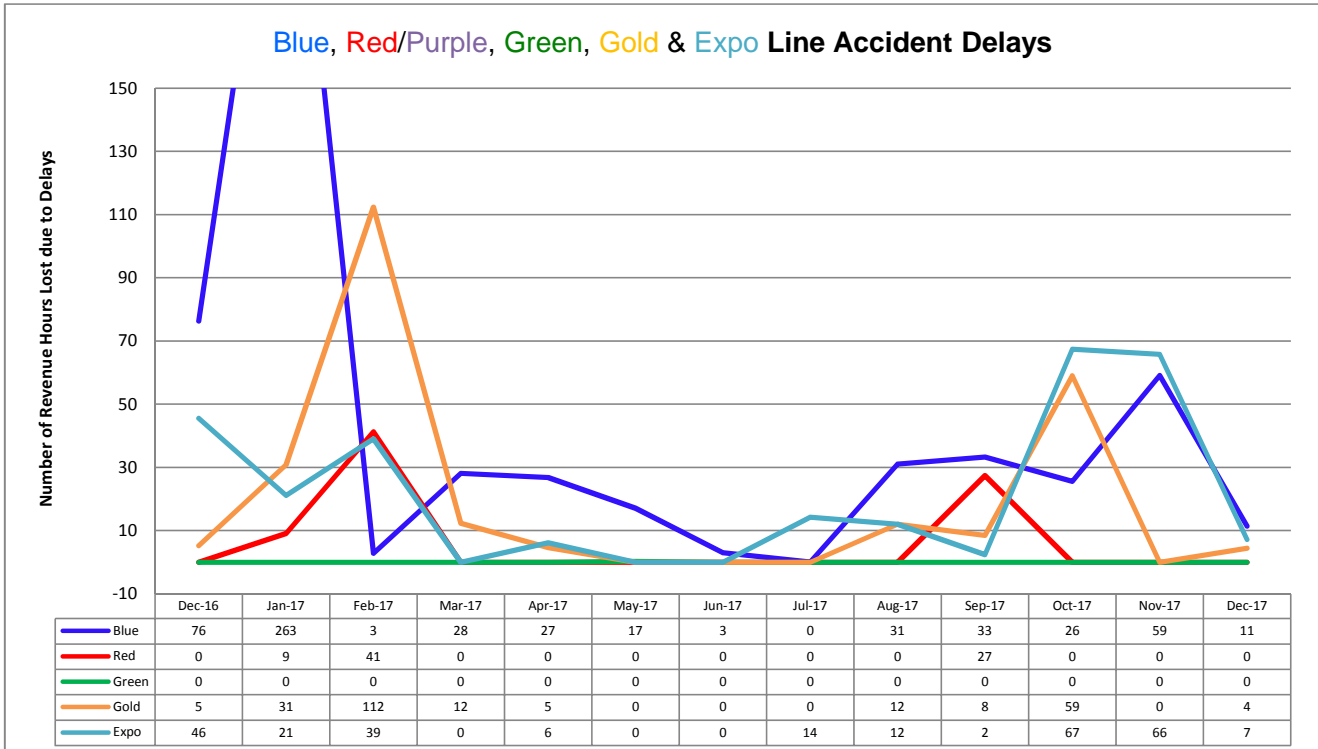
Number of Rail Vehicle Type by Division	Blue	Red / Purple	Green	Gold	Expo
AnsaldoBreda 2550 Base - AC				50	
Breda 650 Base - DC		30			
Breda 650 Option - AC		68			
KinkiSharyo P3010	21		9	17	55
Nippon Sharyo 2020 - DC	15				
Nippon Sharyo 865 - DC	31				
Siemens 2000 Base - AC	23				
Siemens 2000 GE/ATP - AC			29		
TOTALS	90	98	38	67	55

Cleanliness by Vehicle Type

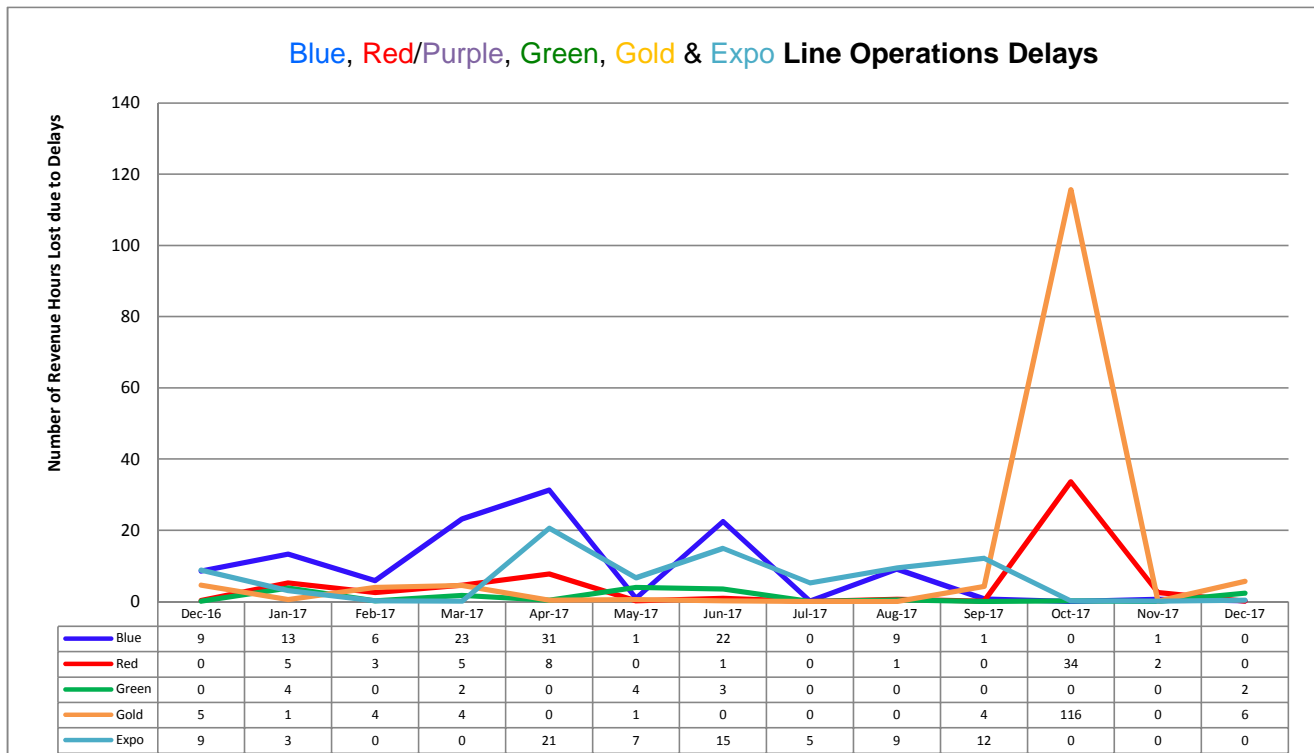


RAIL DELAYS BY CATEGORY - SYSTEMWIDE

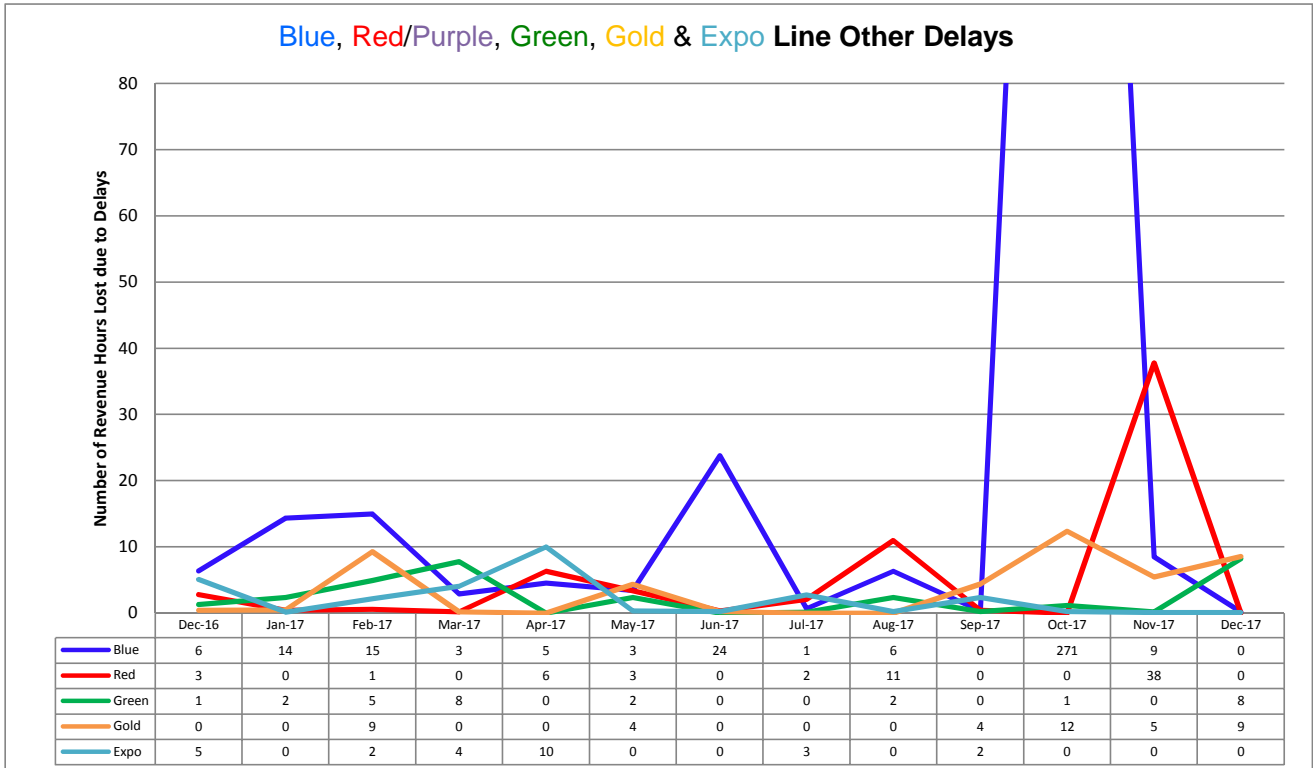
Revenue Hours Lost Related to - ACCIDENTS



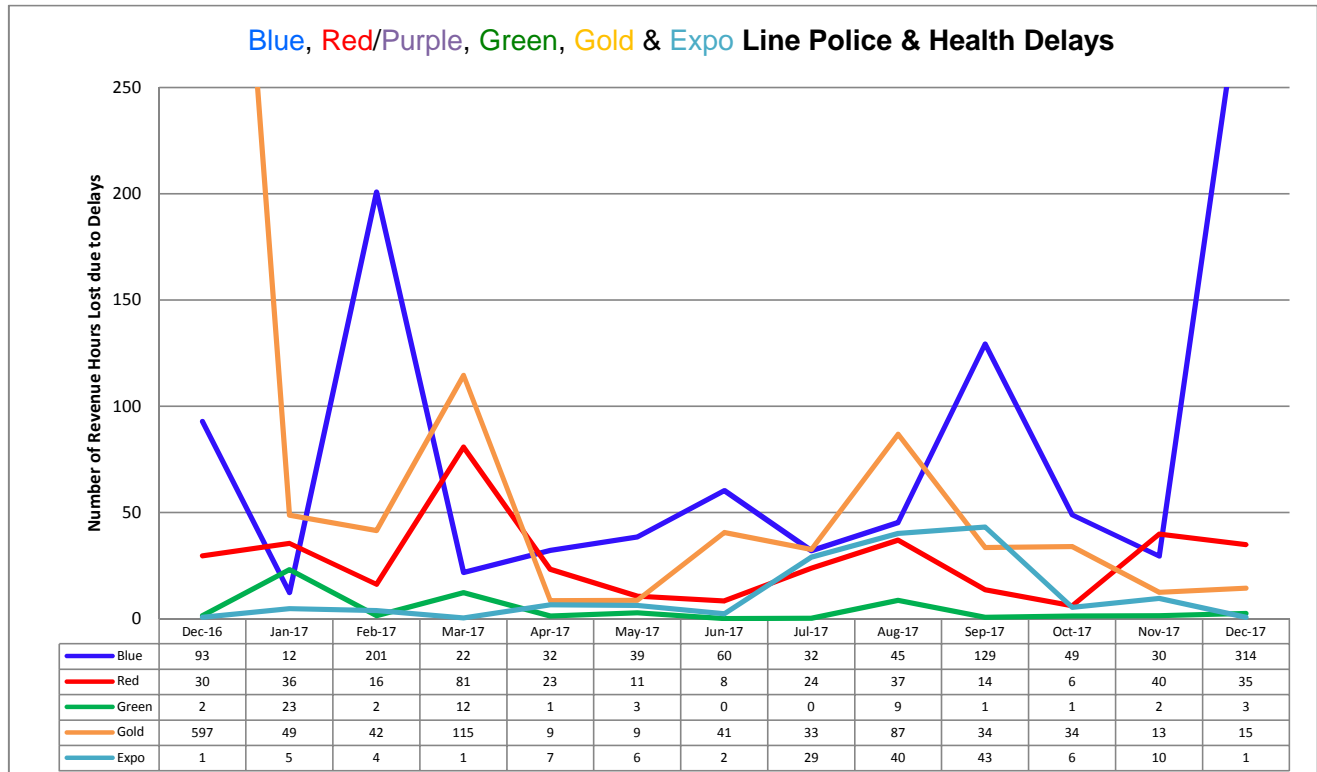
Revenue Hours Lost Related to - OPERATIONS



Revenue Hours Lost Related to - OTHER

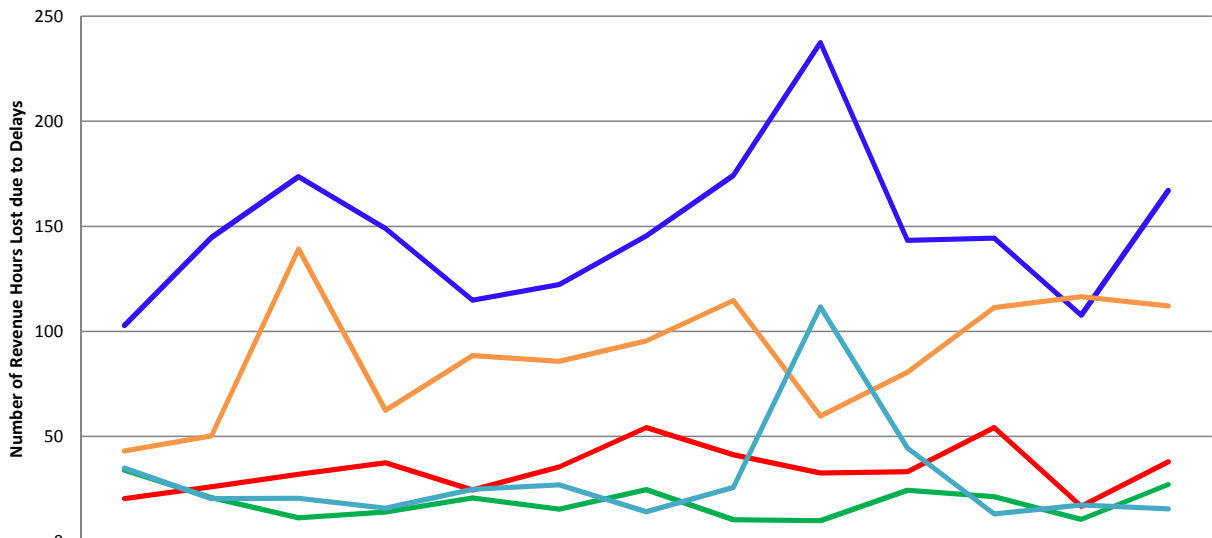


Revenue Hours Lost Related to - POLICE & HEALTH



Revenue Hours Lost Related to - Vehicle Delays

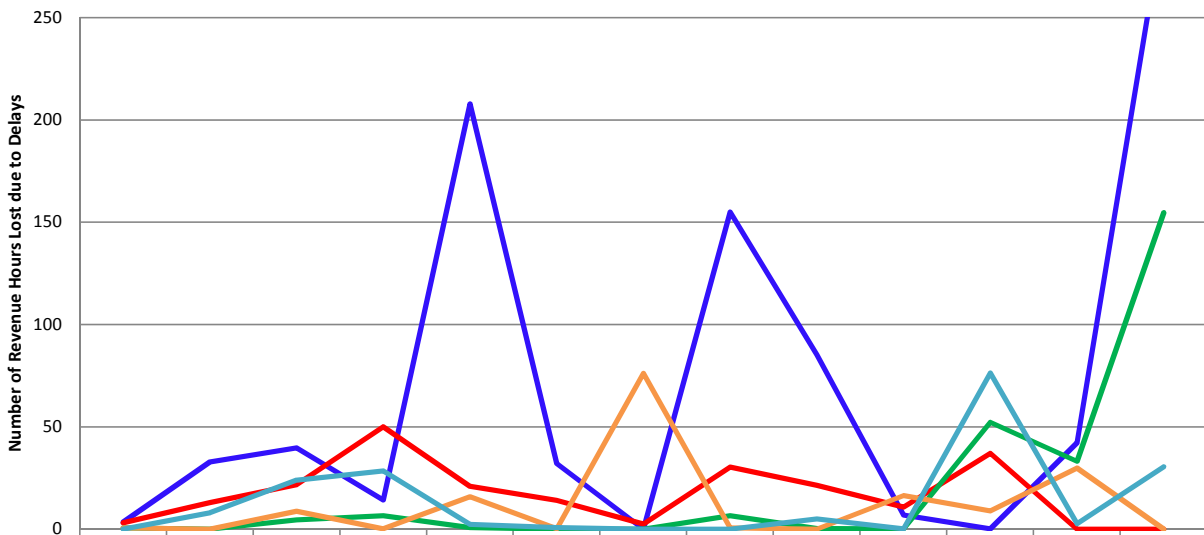
Blue, Red/Purple, Green, Gold & Expo Line Vehicle Delays



	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Blue	103	145	174	149	115	122	145	174	237	143	145	108	167
Red	20	26	32	38	25	36	54	41	33	33	54	17	38
Green	34	21	11	14	21	15	25	10	10	24	21	11	27
Gold	43	50	139	63	89	86	96	115	60	81	111	117	112
Expo	35	21	21	16	25	27	14	26	112	44	13	17	16

Revenue Hours Lost Related to - WAYSIDE

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

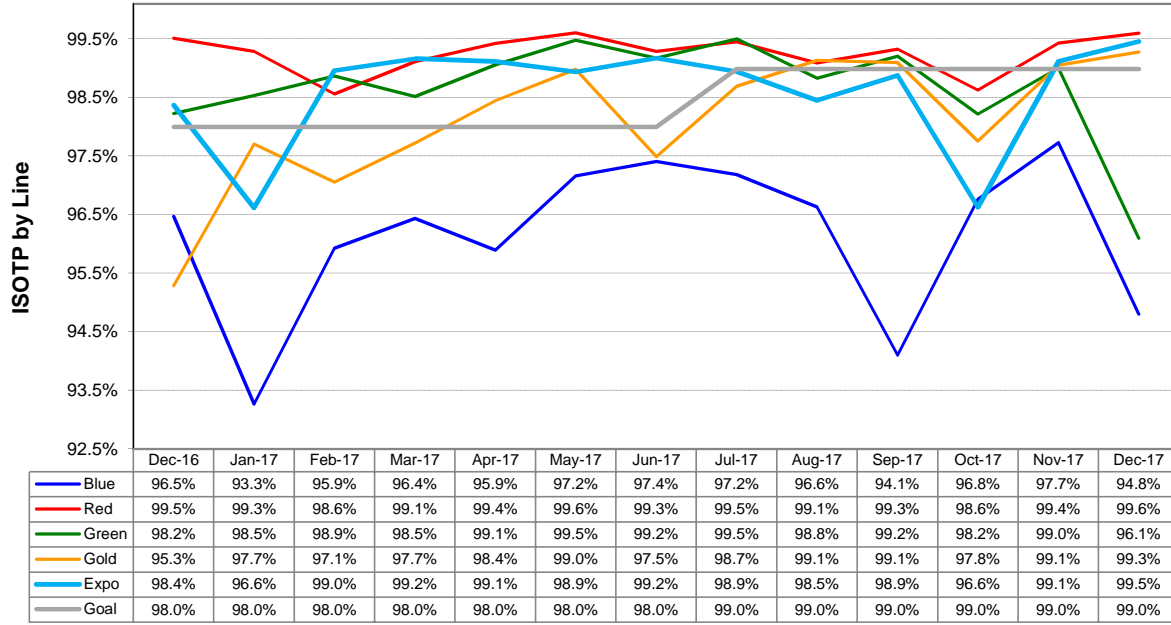


	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Blue	4	33	40	14	208	32	0	155	85	7	0	42	299
Red	3	13	22	50	21	14	3	30	21	11	37	0	0
Green	1	0	5	7	1	0	0	7	0	0	52	33	155
Gold	1	0	9	0	16	0	76	1	0	17	9	30	0
Expo	0	8	24	28	2	1	0	0	5	0	76	3	31

Rail Service Performance

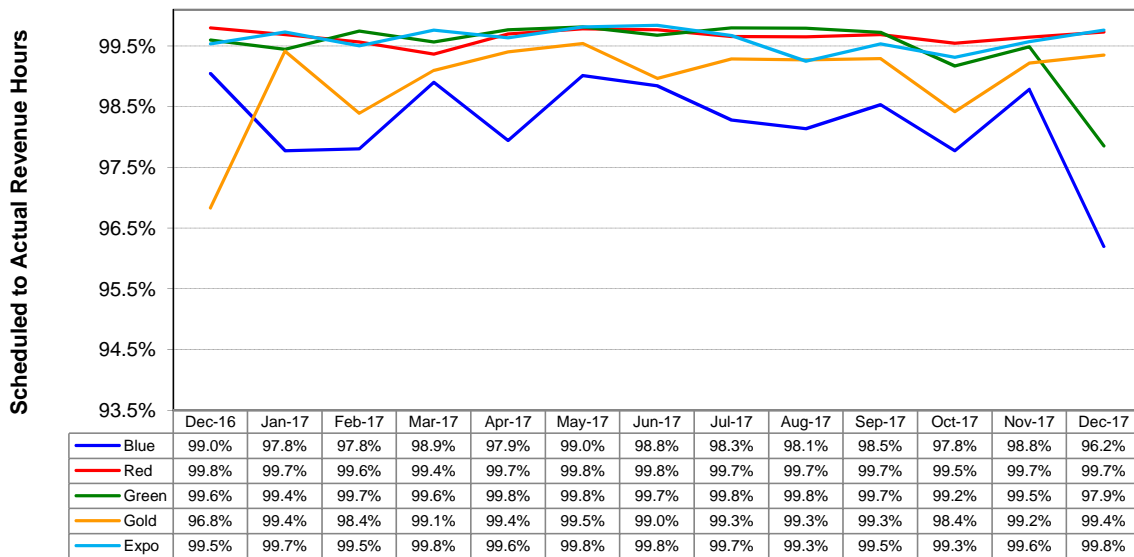
In Service On Time Performance by Line

Blue, Red/Purple, Green, Gold & Expo Line ISOTP

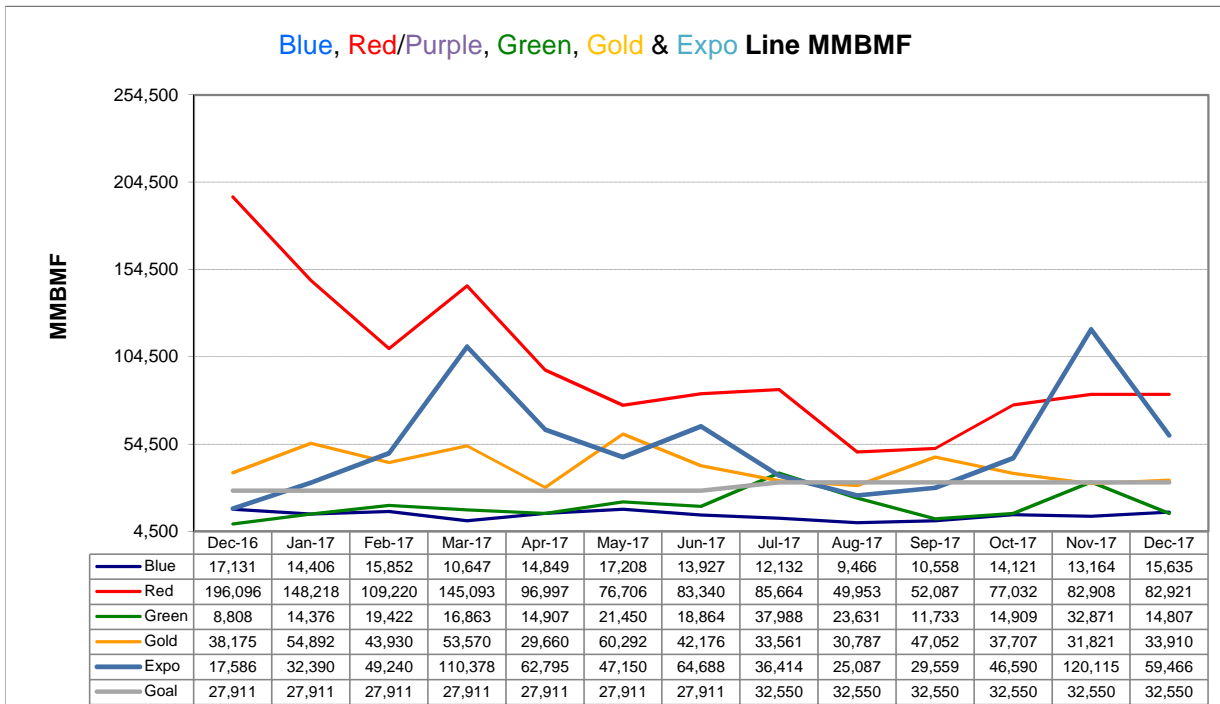


Ratio of Scheduled to Revenue Hours Delivered by Line

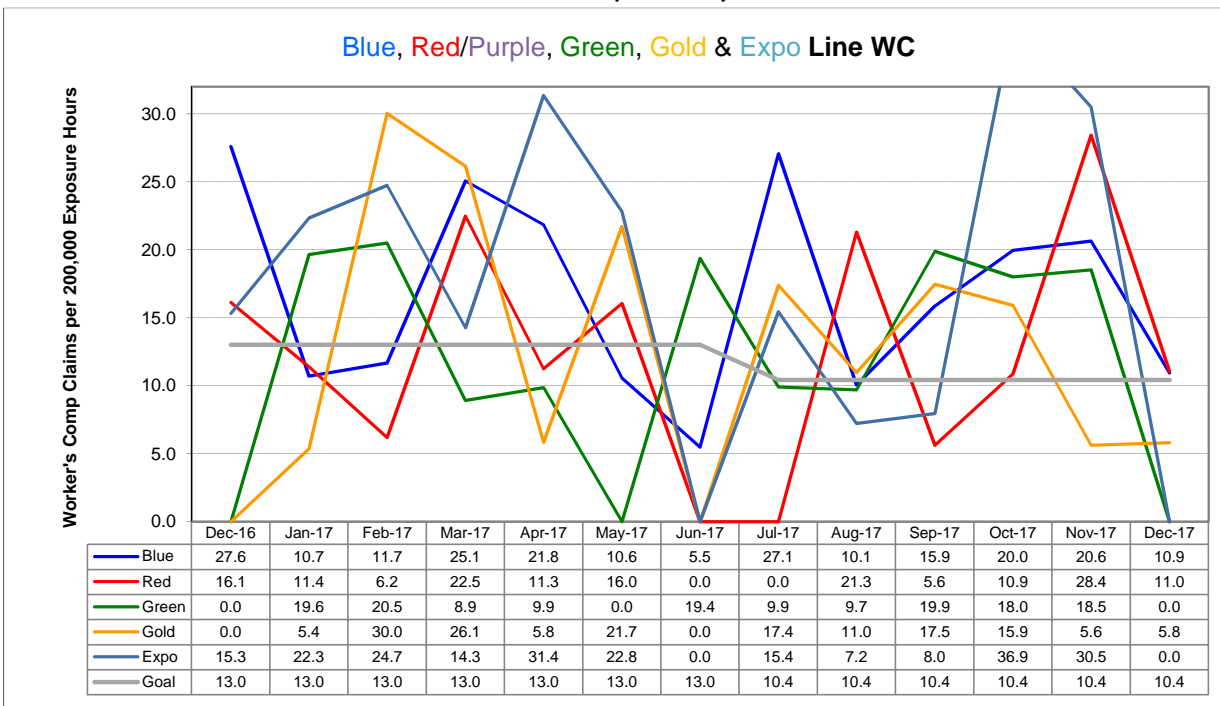
Blue, Red/Purple, Green, Gold & Expo Line SRHD



Mean Miles Between Mechanical Failures by Line

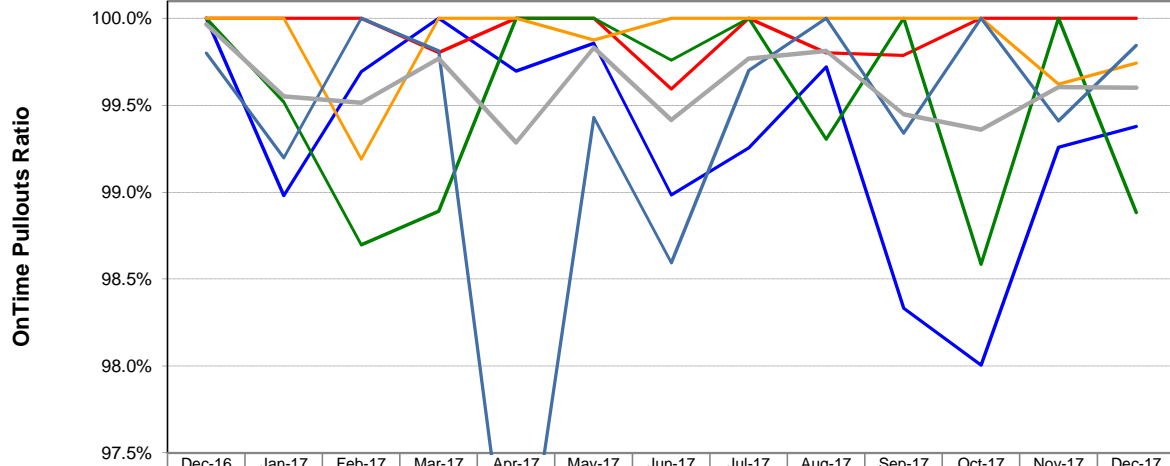


Workers Comp Claims by Line



On-Time Pullouts Ratio by Line

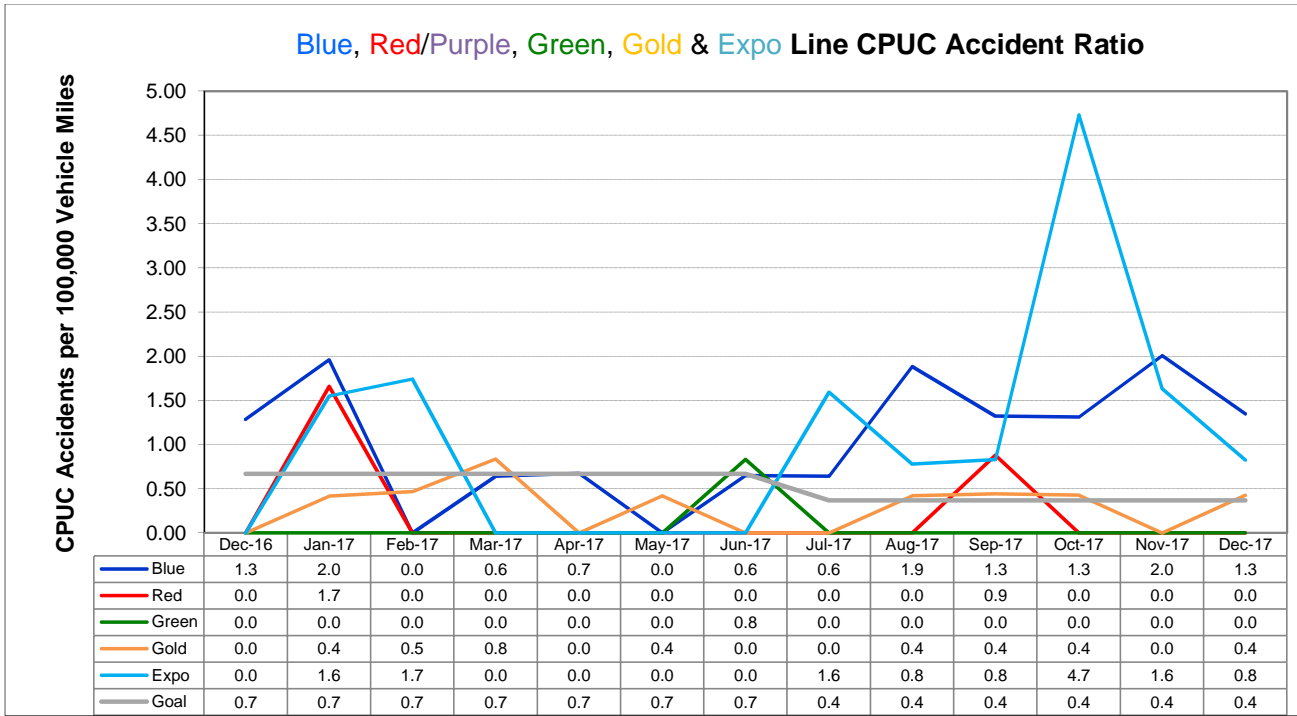
Blue, Red/Purple, Green, Gold & Expo Line OTP



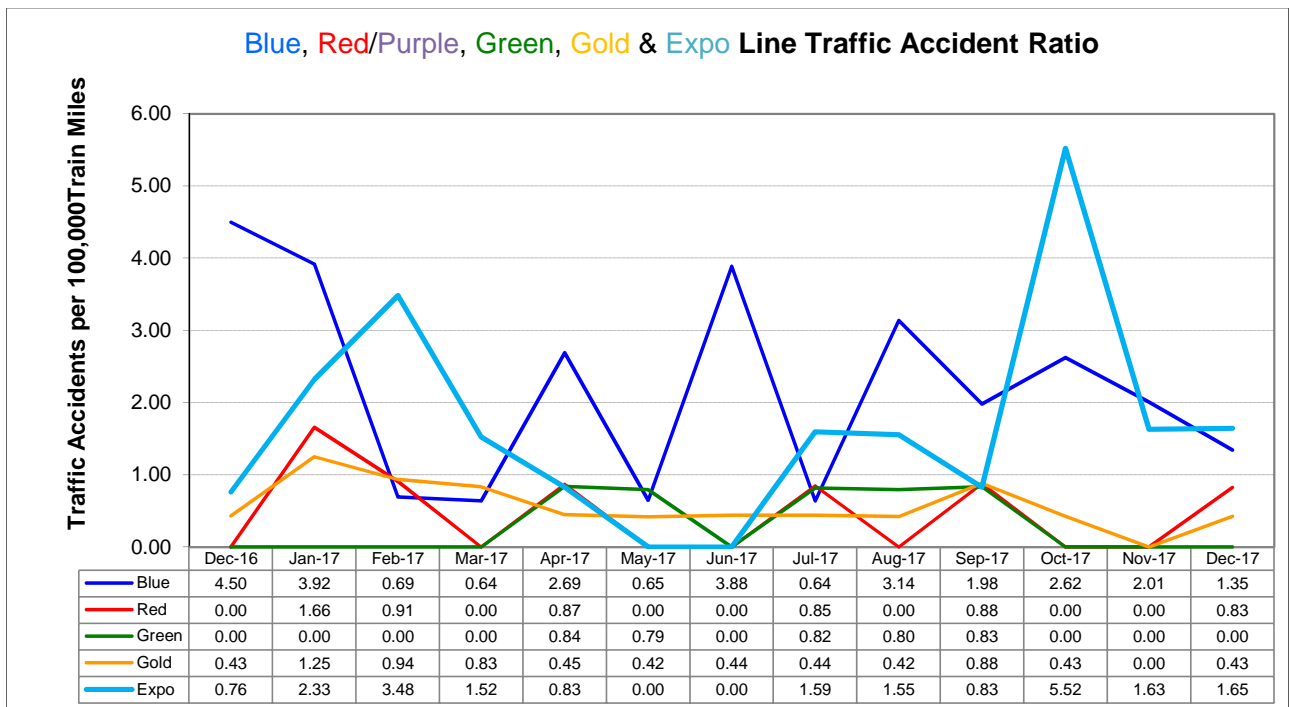
	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Blue	100.0%	99.0%	99.7%	100.0%	99.7%	99.9%	99.0%	99.3%	99.7%	98.3%	98.0%	99.3%	99.4%
Red	100.0%	100.0%	100.0%	99.8%	100.0%	100.0%	99.6%	100.0%	99.8%	99.8%	100.0%	100.0%	100.0%
Green	100.0%	99.5%	98.7%	98.9%	100.0%	100.0%	99.8%	100.0%	99.3%	100.0%	98.6%	100.0%	98.9%
Gold	100.0%	100.0%	99.2%	100.0%	100.0%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	99.6%	99.7%
Expo	99.8%	99.2%	100.0%	99.8%	96.4%	99.4%	98.6%	99.7%	100.0%	99.3%	100.0%	99.4%	99.8%
Goal	100.0%	99.6%	99.5%	99.8%	99.3%	99.8%	99.4%	99.8%	99.8%	99.4%	99.4%	99.6%	99.6%

Rail Safety Performance

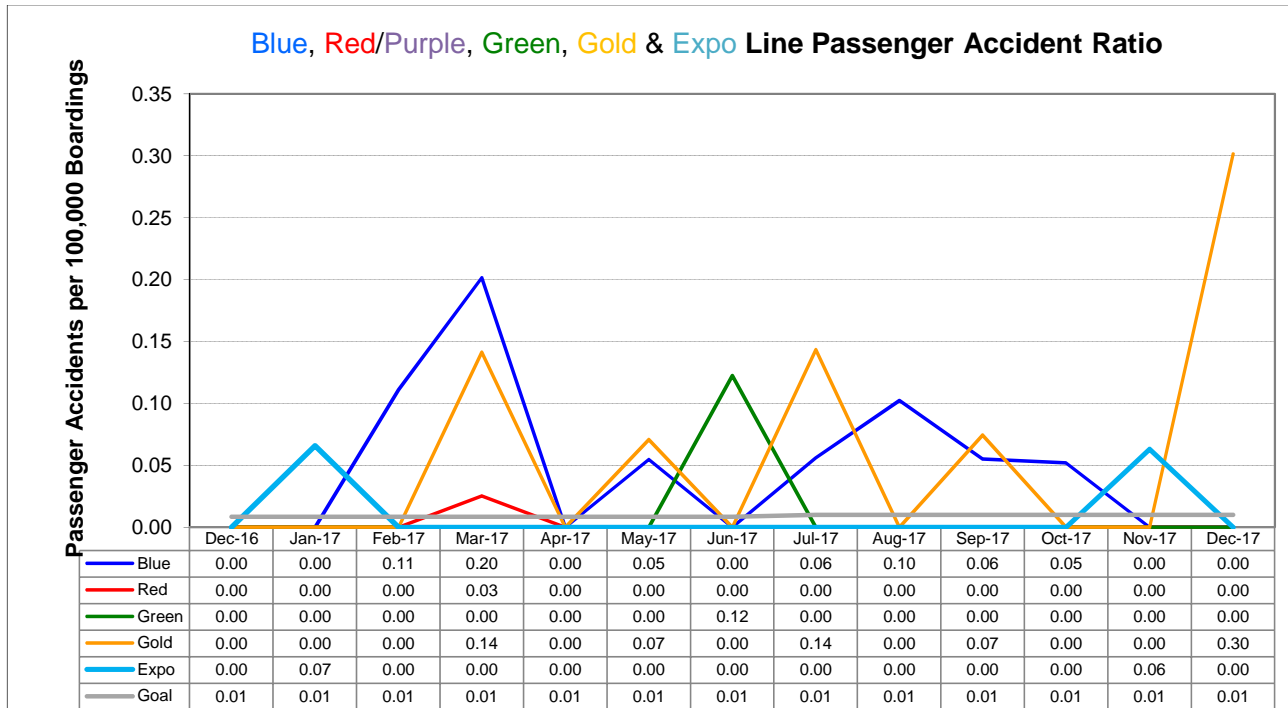
CPUC REPORTABLE ACCIDENTS PER 100,000 TRAIN MILES



TRAFFIC ACCIDENTS PER 100,000 TRAIN MILES

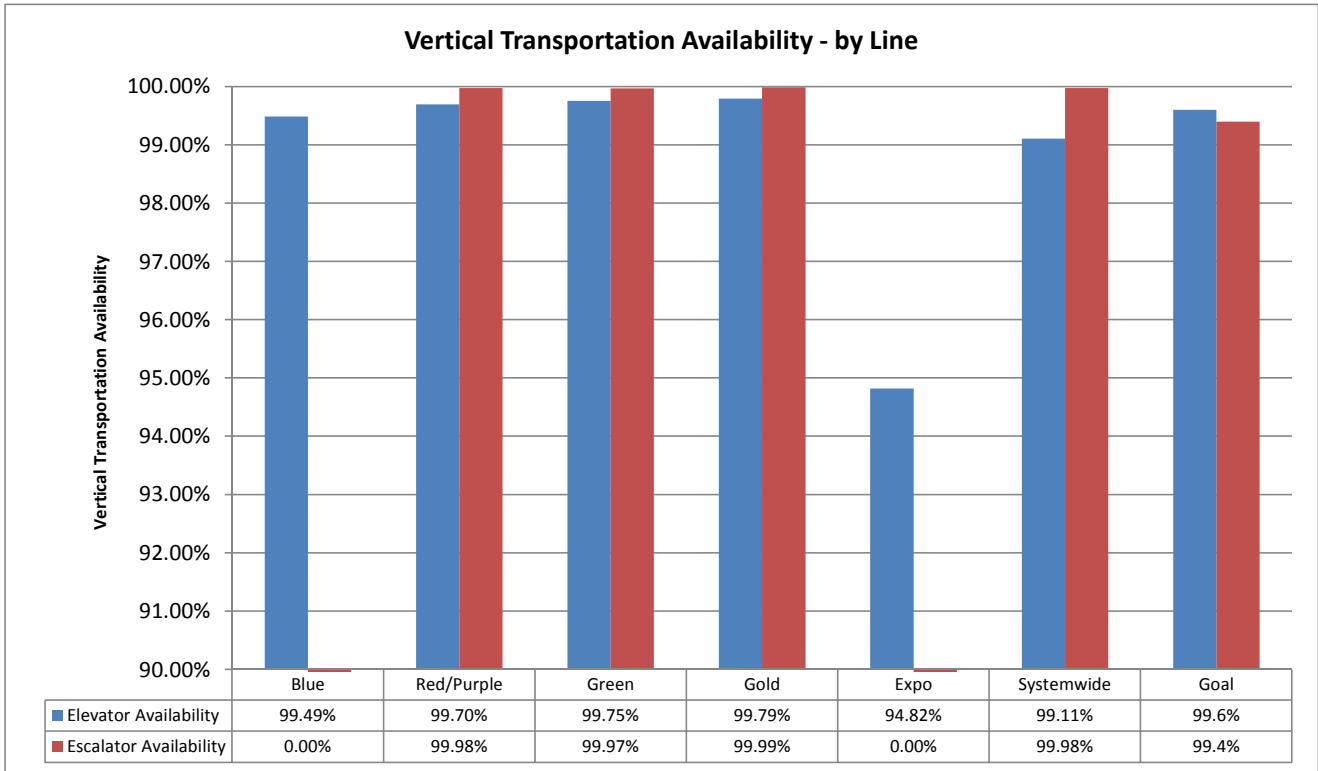


PASSENGER ACCIDENTS PER 100,000 BOARDINGS



Systemwide Vertical Transportation Availability by Line

Dec 2017

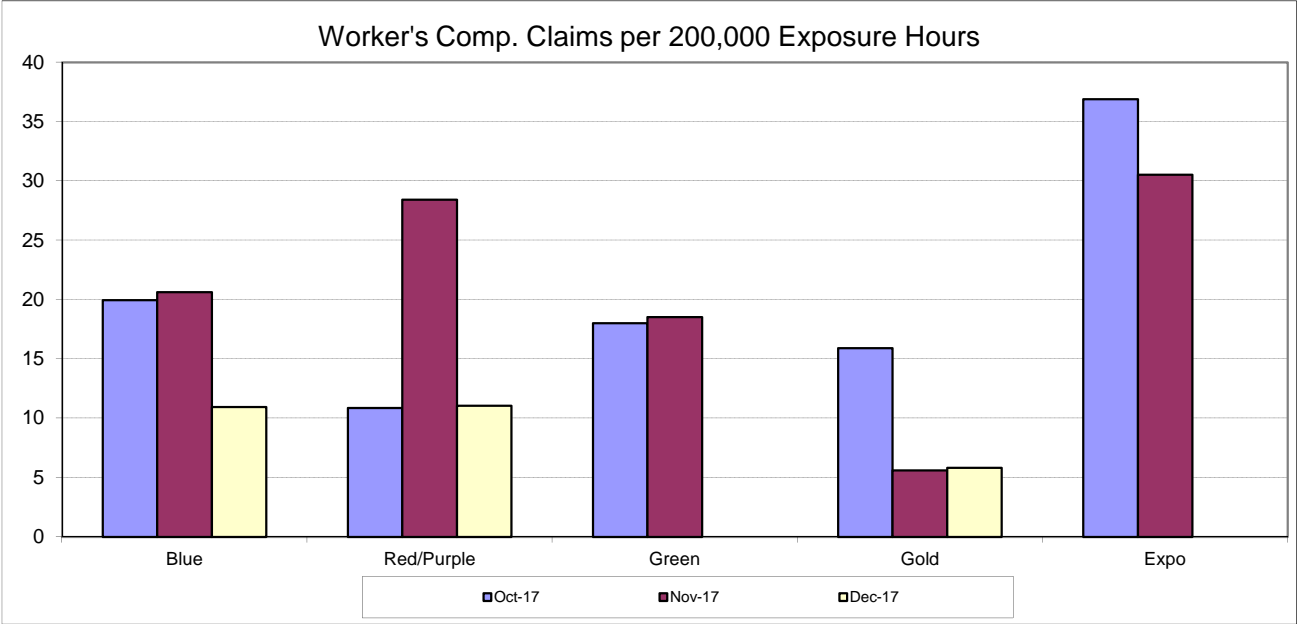


Note: No Escalators at Blue and Expo Lines

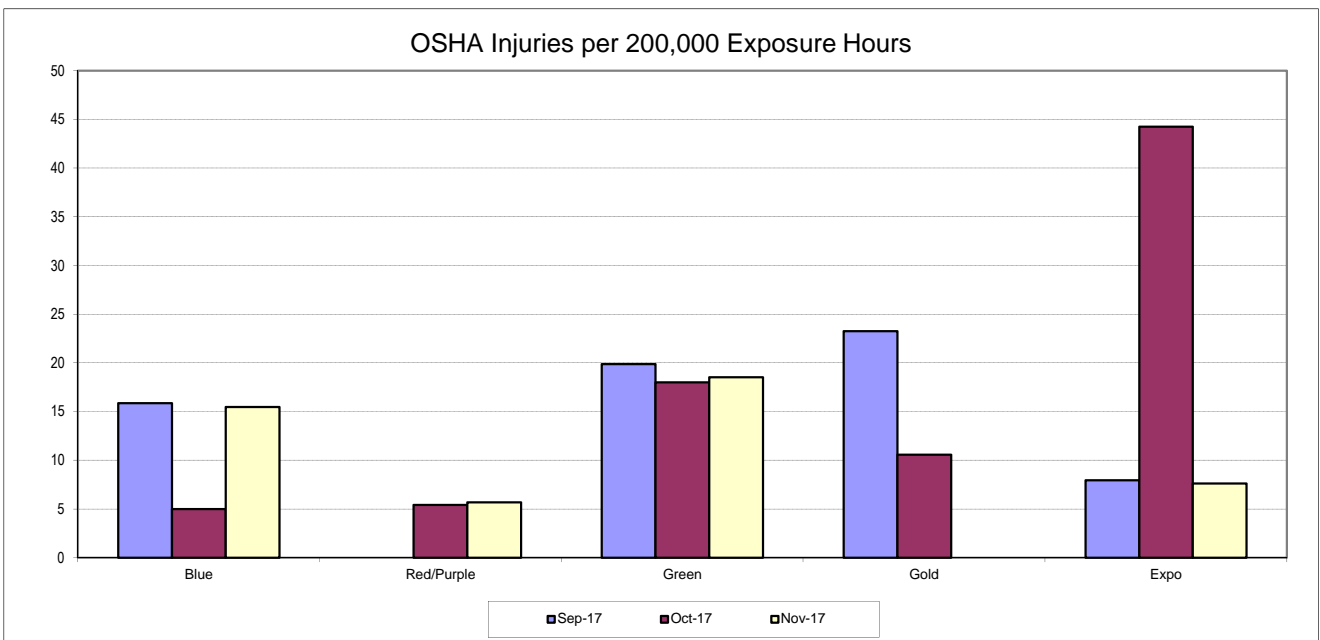
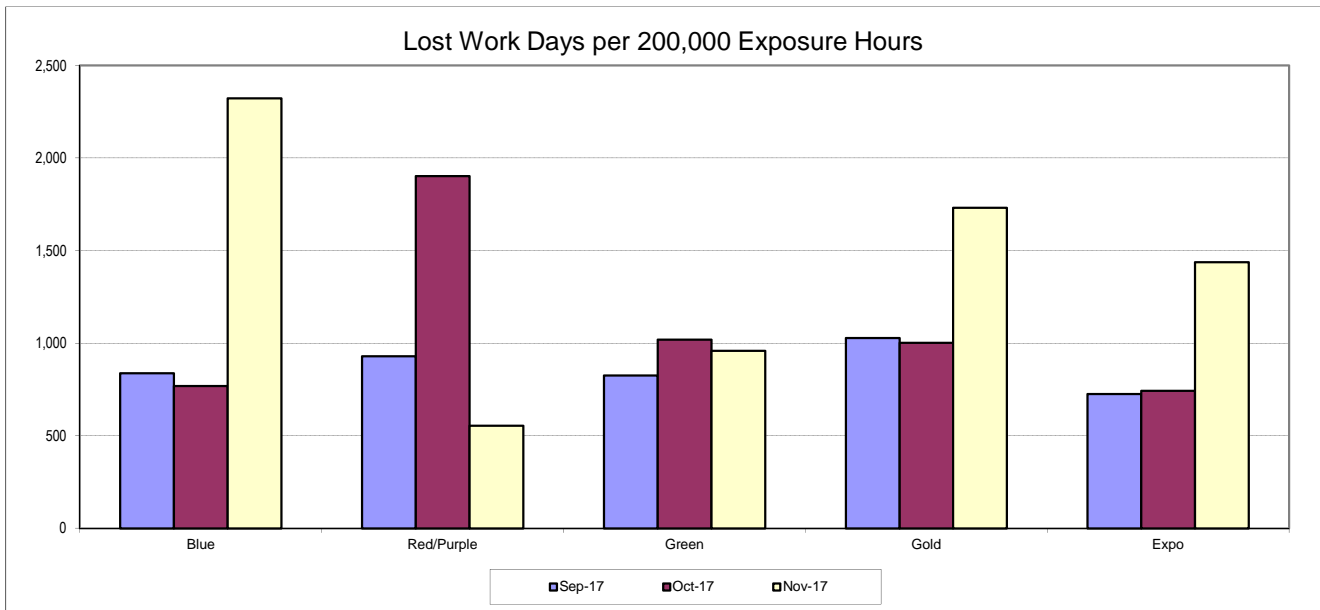
Worker's Comp. Claims

Oct 2017 - Dec 2017

3 Month Comparison



Lost Work Days and OSHA Injuries Sep 2017 - Nov 2017 3 Month Comparison



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

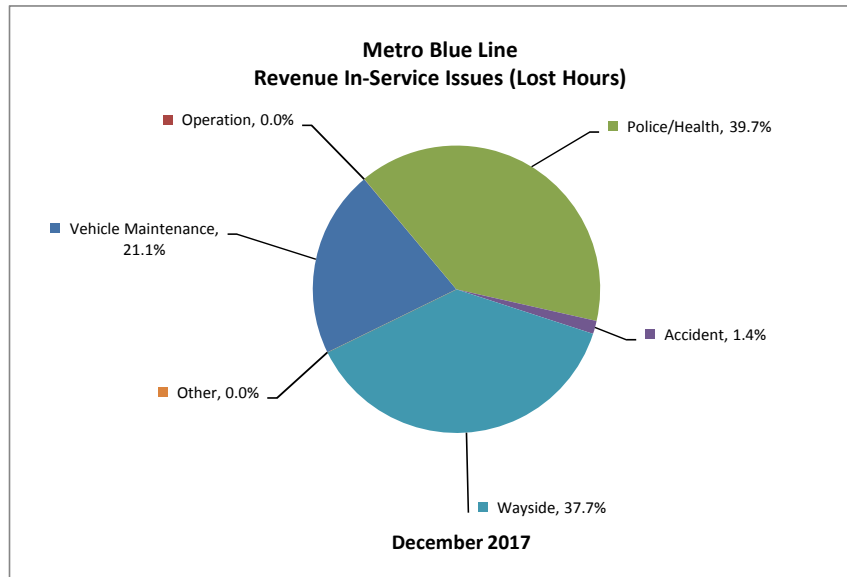
BLUE LINE

Out of a total of 19,612 hours operated, there were approximately 791 total hours of service delays.

December 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	18,820	96.0%
Cancelled + Delayed Hours	791	4.0%
Total Revenue Hours	19,612	100.0%

Summary of the incidents:	Count	Hours	Percent
Operations	1	0.2	0.0%
Accidents	2	11.5	1.4%
Vehicle Maintenance	37	167.1	21.1%
Wayside	6	298.7	37.7%
Police & Health	17	313.8	39.7%
Other	1	0.2	0.0%
Total	64	791.4	100.0%

* 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



December 2017 Blue Line incidents causing delay were as follows:

Operations Incidents:

12-12-2017 4:28:00 PM - Incident# 2945363 (0 lost trips, 9 lost minutes)

Operator Late
Train 106
T-069
(121A)-101-158
Southbound, Track 2 Venice interlocking.

Accidents:

12-01-2017 5:42:00 AM - Incident# 2940593 (1 lost trip, 189 lost minutes)

Train 109 reports 10-72 at Compton grade crossing track 1. Operator T-503 with operating car 125A coupled to 155-154. Operator reports an individual walked in front of train as the train was approaching grade crossing.

12-21-2017 4:42:00 PM - Incident# 2949041 (3 lost trips, 499 lost minutes)

Train 111 (230,302,234) T-363, Washington and Maple reports 10-72 minor accident, train occupying crossover. Track 2 available.

Vehicle Maintenance Incidents:

12-01-2017 5:08:00 AM - Incident# 2940588 (0 lost trips, lost minutes)

Train 605 reports propulsion faults

12-03-2017 4:55:00 AM - Incident# 2941260 (0 lost trips, lost minutes)

Late Pullout due to ATP issues
Train 105
T-54
(167)-120-110
Blue Line Yard

12-04-2017 8:42:00 AM - Incident# 2941622 (0 lost trips, 7 lost minutes)

Friction Brakes
(112B)-104-144
Train 113
T-262
Pico, Southbound, Track 2

12-04-2017 8:43:00 AM - Incident# 2942467 (0 lost trips, 7 lost minutes)

No Fault - No Movement (Operator reports brakes not releasing)
(112B)-104-144
T-262
Pico, Northbound, Track 1

12-04-2017 5:47:00 PM - Incident# 2941887 (1 lost trip, 167 lost minutes)

Doors off track unable to move 249-237-301A
Train 103
T-264
Track 1
Northbound
Florence station

12-05-2017 6:33:00 PM - Incident# 2942357 (4 lost trips, 701 lost minutes)

Doors will not close

12-06-2017 6:37:00 AM - Incident# 2942506 (1 lost trip, 180 lost minutes)

Friction Brakes
(237)-240-239
Train 113
T-549
Flower Junction, Northbound, Track 2

12-06-2017 3:01:00 PM - Incident# 2942721 (1 lost trip, 168 lost minutes)

Train 122 had prop faults at yard limits.

T-142

151-113-159

Yard Limits

12-07-2017 5:17:00 AM - Incident# 2942904 (1 lost trip, 175 lost minutes)

friction brakes unable to clear

Train #110 T-035 Car #135B-157-165

Northbound at Del Amo station.

12-07-2017 3:57:00 PM - Incident# 2943357 (1 lost trip, 168 lost minutes)

Train 108 reports No Movement with Propulsion Faults.

Train 108

T-034

LRV'S 130-137-160

south of Wardlow Station, track 1, northbound.

12-08-2017 6:50:00 PM - Incident# 2943904 (1 lost trip, 166 lost minutes)

Train 107 (1074,1092,1098) T-240, 103rd St. Station, track 2 reports speed restriction fault indication with an audible alarm.

12-11-2017 7:39:00 AM - Incident# 2944580 (0 lost trips, 13 lost minutes)

PA/ Intercom

(1092)-1089-1096

Train 102

T-201

Vernon, southbound, track 2

12-11-2017 8:36:00 AM - Incident# 2944609 (0 lost trips, 8 lost minutes)

Other Vehicle System (TOD)

(1095a)-1075-1087

Train 107

T-110

Washington, Southbound, Track 2

12-11-2017 5:35:00 PM - Incident# 2944887 (7 lost trips, 1,168 lost minutes)

Train 104 (231, 239,301) T-053, reports passengers report smoke in car 301. NOTE: Incident train initially identified as train 104.

However, correct train #103.

12-12-2017 5:53:00 AM - Incident# 2945027 (1 lost trip, 182 lost minutes)

Train 115 reports loss of Cab Signals north of Wardlow Station.

Train 115

T-291

\LRV'S (238A) 234-247

North of Wardlow Station, track 1, northbound.

12-12-2017 7:13:00 AM - Incident# 2945062 (0 lost trips, 7 lost minutes)

Train 112 reporting propulsion faults with a speed restriction.

Train 112

T-415

LRV'S 135-114-140

Transit mall, track 1, Northbound.

12-12-2017 3:23:00 PM - Incident# 2945330 (0 lost trips, 3 lost minutes)

Propulsion / Dynamic Brakes

Train 126

T-240

135-114-140

Southbound, Track 2 Willow station.

12-13-2017 5:20:00 PM - Incident# 2945840 (0 lost trips, 15 lost minutes)

Train 122 (103,158,121) T-291, Willow Station, track 1 reports he placed doors in release due to a door problem.

12-14-2017 5:02:00 AM - Incident# 2945956 (2 lost trips, 337 lost minutes)

Propfault, unable to move more than 5 feet.
Train 105
T-76
(137)-148-102
Washington N/B Track 1
+12

12-14-2017 7:49:00 AM - Incident# 2946049 (0 lost trips, lost minutes)

Propulsion fault reoccurring.
Train 102
T-201
(137)-148-102

12-15-2017 7:25:00 AM - Incident# 2946513 (1 lost trip, 174 lost minutes)

Operator reports propulsion fault with a speed restriction.
Train 113
T-281
Cars (230B)-235-237
Northbound, Track 1, Del Amo Station

12-15-2017 7:39:00 AM - Incident# 2946507 (0 lost trips, 12 lost minutes)

Operator T-231 reports no movement.
Train 105
T-231
Cars 1076-1075-1093
Washington Station, Track 2, Southbound

12-15-2017 7:40:00 AM - Incident# 2946522 (0 lost trips, 12 lost minutes)

Train 118 reports no movement.
Train 118
T-152
Cars 158-160-149
Florence Station, Track 2, Southbound

12-17-2017 4:50:00 AM - Incident# 2947107 (2 lost trips, 241 lost minutes)

Friction Brake fault on 248
Train 108
T-246
234-248
Tk 2 SB Wardlow

12-19-2017 7:03:00 AM - Incident# 2947880 (4 lost trips, 677 lost minutes)

Doors
(238B)-231-241
Train 117
T-292
Pico, Southbound, Track 2

12-19-2017 12:29:00 PM - Incident# 2948054 (1 lost trip, 184 lost minutes)

Doors (Sluggish propulsion, speed restriction, hvac)
244-229-(302)
Train 104
T-187
Wardlow, Southbound, Track 2

12-19-2017 4:23:00 PM - Incident# 2948153 (1 lost trip, 166 lost minutes)

Propulsion / Dynamic Brakes (Very slow).
Train 122
T-291
127-(103)-102
Southbound, Track 2 Florence station.

12-19-2017 9:55:00 PM - Incident# 2948219 (2 lost trips, 333 lost minutes)

Propulsion / Dynamic Brakes Burning brakes (246b)
Train 108
T-307
Cars 247, (246)
SB, Track 2, Wardlow Station

12-20-2017 4:56:00 AM - Incident# 2948275 (0 lost trips, 12 lost minutes)

Other Vehicle System (Spin/Slide)
(249A)-234-237
Train 106
T-125
Imperial, Northbound, Track 1

12-20-2017 2:03:00 PM - Incident# 2948537 (0 lost trips, lost minutes)

Car 137 doors doors open.
Train 109
T-286
164-137-163
Tk 1 Washington NB

12-20-2017 4:28:00 PM - Incident# 2948606 (1 lost trip, 166 lost minutes)

Car 236 propulsion fault
Train 121
T-233
Tk 2 SB Washington
240-236-245

12-20-2017 5:45:00 PM - Incident# 2948643 (2 lost trips, 349 lost minutes)

Artesia Interlocking No Movement
T-307
Train 128
Track 1
Northbound
(247A)-235-246

12-23-2017 1:00:00 PM - Incident# 2949671 (0 lost trips, 5 lost minutes)

Doors 1 and 2 cut-out on LRV 106B
Train 108
T-357
LRV'S 106-101
Pico Station, track 1, northbound.

12-24-2017 12:08:00 PM - Incident# 2949840 (6 lost trips, 697 lost minutes)

Operator reports of no movement
Train 107
T-258
238-244
1st Street station, Trk.1. southbound

12-26-2017 4:51:00 AM - Incident# 2950147 (3 lost trips, 507 lost minutes)

Propulsion / Dynamic Brakes
(135A)-149-157
Train 106
T-125
Compton, Northbound, Track 1

12-26-2017 6:51:00 AM - Incident# 2950250 (1 lost trip, 166 lost minutes)

No Fault - No Movement

12-27-2017 5:23:00 AM - Incident# 2950641 (1 lost trip, 167 lost minutes)

Train 603 reports no cab signals at Del Amo Station track 1.
Operating car 248A with 229 231
Operator T-50.

12-27-2017 6:30:00 AM - Incident# 2950678 (13 lost trips, 2,168 lost minutes)

Train 114 reports no movement with friction brake faults at Pico station track 2.
Cars 246 233 249
Operator T-050

12-27-2017 5:15:00 PM - Incident# 2950932 (2 lost trips, 334 lost minutes)

Prop Fault on car 160
Train 125
T-164
Tk 2 SB 103rd
160-120

12-28-2017 5:20:00 AM - Incident# 2951034 (1 lost trip, 167 lost minutes)

Other Vehicle System (Spin/Slide)
(248B)-239-244
Train 601
T-259
Slauson, Northbound, Track 1

12-28-2017 7:04:00 AM - Incident# 2951114 (0 lost trips, 15 lost minutes)

Propulsion / Dynamic Brakes
(1102)-1106-1103
Train 102
T-201
Metro, Southbound, Track 1

Wayside Incidents:

12-09-2017 12:53:00 PM - Incident# 2944135 (5 lost trips, 581 lost minutes)

SCADA ARINC system showed that Willow station de-energized.

12-14-2017 8:42:00 AM - Incident# 2946088 (0 lost trips, 10 lost minutes)

Track Allocation/Work Permit E-5/Traction Power performing OCS repair on track #1, between Artesia signal 1S to Imperial signal #1N.

12-20-2017 5:02:00 AM - Incident# 2948324 (1 lost trip, 172 lost minutes)

Interlocking: Switch 23A Out Of Correspondence Imperial Pocket

12-20-2017 6:07:00 PM - Incident# 2948657 (0 lost trips, 8 lost minutes)

False Overrun Due to RTU Glitch Main yard Interlocking

12-21-2017 7:22:00 AM - Incident# 2948844 (103 lost trips, 17,139 lost minutes)

OCS: Section Insulator Damage
TP-151
9th Street Diamond.

12-22-2017 5:47:00 AM - Incident# 2949211 (0 lost trips, 12 lost minutes)

Switch 23 Out of Correspondence at Willow Interlocking

Police & Health Incidents:

12-03-2017 3:50:00 PM - Incident# 2941366 (90 lost trips, 16,200 lost minutes)

Shooting Compton Station Bus Zone

12-03-2017 6:17:00 PM - Incident# 2941386 (0 lost trips, 10 lost minutes)

Traffic Accident Creating a Blocade Trk 1 21st and Long Beach

12-05-2017 4:30:00 AM - Incident# 2941986 (0 lost trips, 6 lost minutes)

Train #102 R-136 Car # 1076A-1094-1081
Northbound at San Pedro station
reports medical emergency on board,

12-06-2017 2:10:00 AM - Incident# 2942447 (1 lost trip, 168 lost minutes)

Train # 119 turn back from 5th Street Station due to T/A, non Metro vehicle.

12-07-2017 12:22:00 PM - Incident# 2943240 (0 lost trips, 9 lost minutes)

Battery Suspect on board train 117

12-08-2017 8:30:00 AM - Incident# 2943656 (1 lost trip, 173 lost minutes)

Sick Individual at Slauson Station.

12-09-2017 8:29:00 PM - Incident# 2944191 (0 lost trips, lost minutes)

Train 101 (241, 233) T-253, Wardlow Station, track 1 reports male individual stated to him that he was going to put a bomb on the train.

12-10-2017 1:14:00 AM - Incident# 2944244 (0 lost trips, 22 lost minutes)

Train 108 reports a car blocking track 2 at Wilmington Grade Crossing.

12-14-2017 11:32:00 PM - Incident# 2946387 (0 lost trips, 13 lost minutes)

Operator T-326 reports a female that couldn't breathe.

Train 104
T-326
Cars (114)-112-124
Northbound, Track 1, Willow Station

12-17-2017 12:40:00 PM - Incident# 2947193 (0 lost trips, 10 lost minutes)

Sick patron at Compton station.

12-17-2017 5:50:00 PM - Incident# 2947257 (0 lost trips, 8 lost minutes)

Reported Passenger Disturbance On Board Train

12-18-2017 6:16:00 PM - Incident# 2947727 (5 lost trips, 840 lost minutes)

Male patron complaining of chest pain.

12-19-2017 10:51:00 PM - Incident# 2948245 (0 lost trips, 10 lost minutes)

Blockade at Wilmington on track 2.

12-21-2017 1:06:00 AM - Incident# 2950617 (1 lost trip, 166 lost minutes)

LASD request trains to bypass Del Amo Station due to mentally ill individual threatening Contract Security on the platform.

12-22-2017 5:43:00 PM - Incident# 2949505 (0 lost trips, 8 lost minutes)

Passenger claims another passenger on train 125 stole his cell phone.

12-29-2017 7:05:00 AM - Incident# 2951526 (7 lost trips, 1,174 lost minutes)

Car Blockade on Track 2 at Long Beach/Burnett

12-31-2017 11:25:00 PM - Incident# 2952265 (0 lost trips, 10 lost minutes)

Trespasser on the ROW at the 7th/Metro Station.

T-514

Train #658

Cars(1072)-1021-1068

Northbound Trk#1

Pico Station

Other Incidents:

12-14-2017 3:18:00 PM - Incident# 2946259 (0 lost trips, lost minutes)

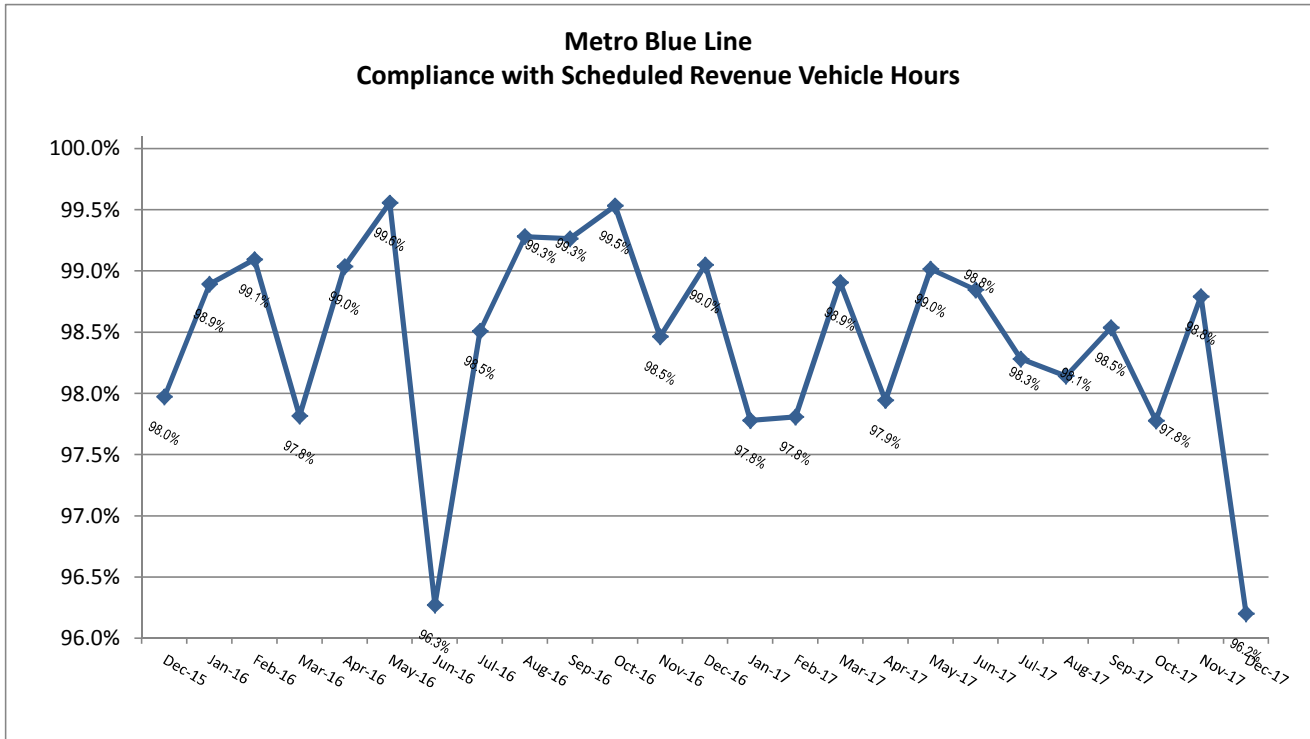
Train 111 (249,240,231) T-353, San Pedro Station, track 2 reports door open indication, no movement.

12-30-2017 1:59:00 AM - Incident# 2951851 (0 lost trips, 10 lost minutes)

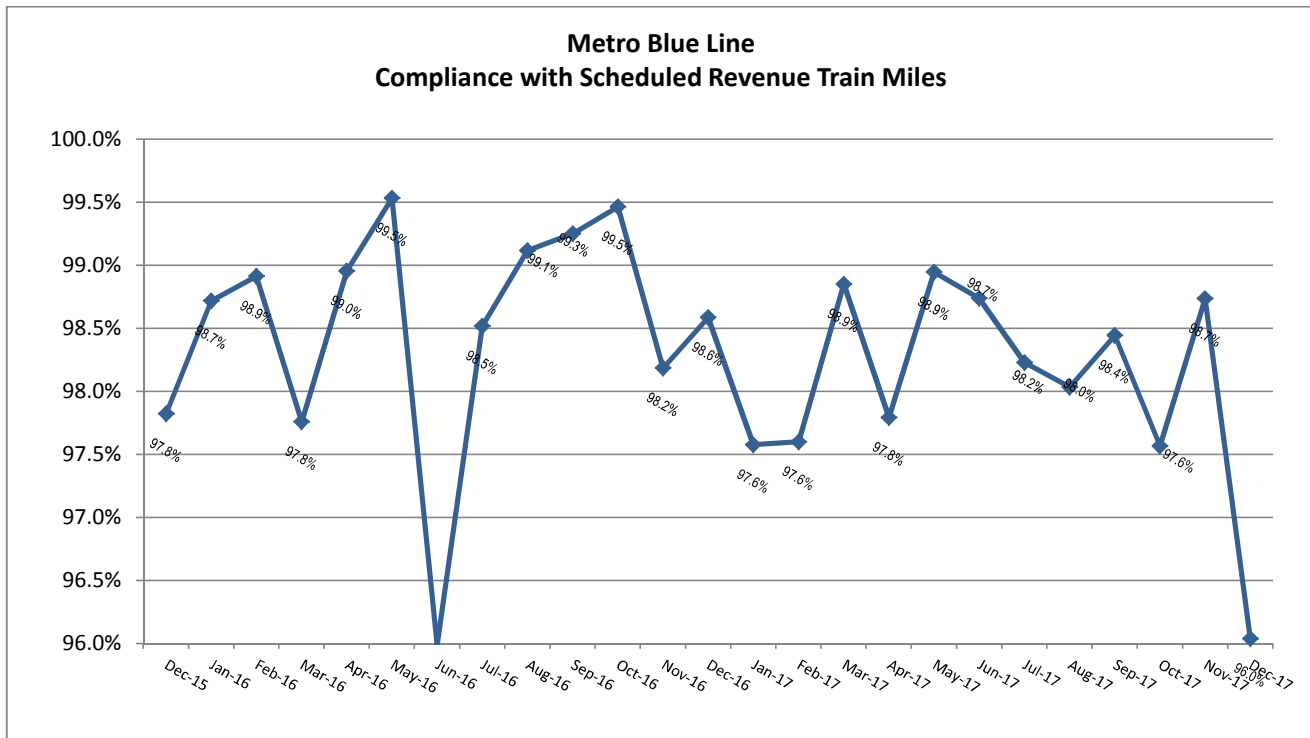
Brush Fire reported, near sound wall 50 ft from track 2.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

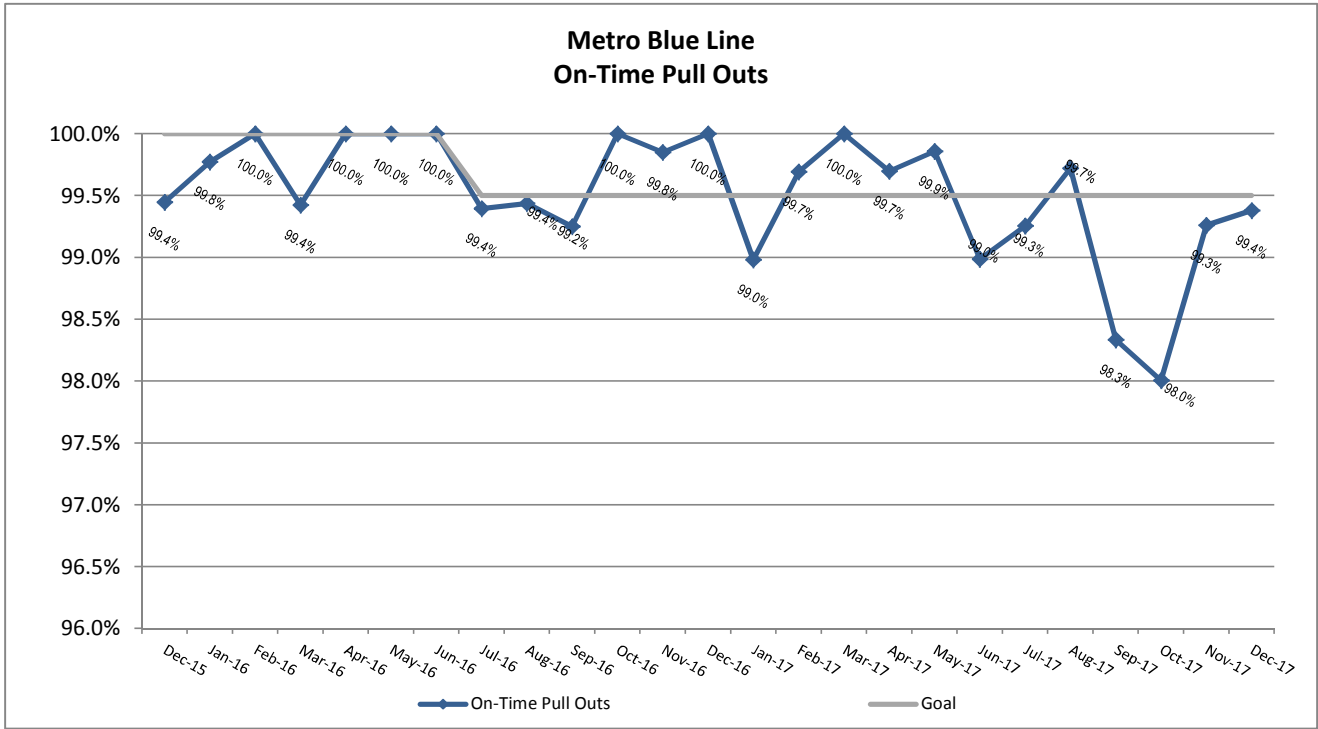
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



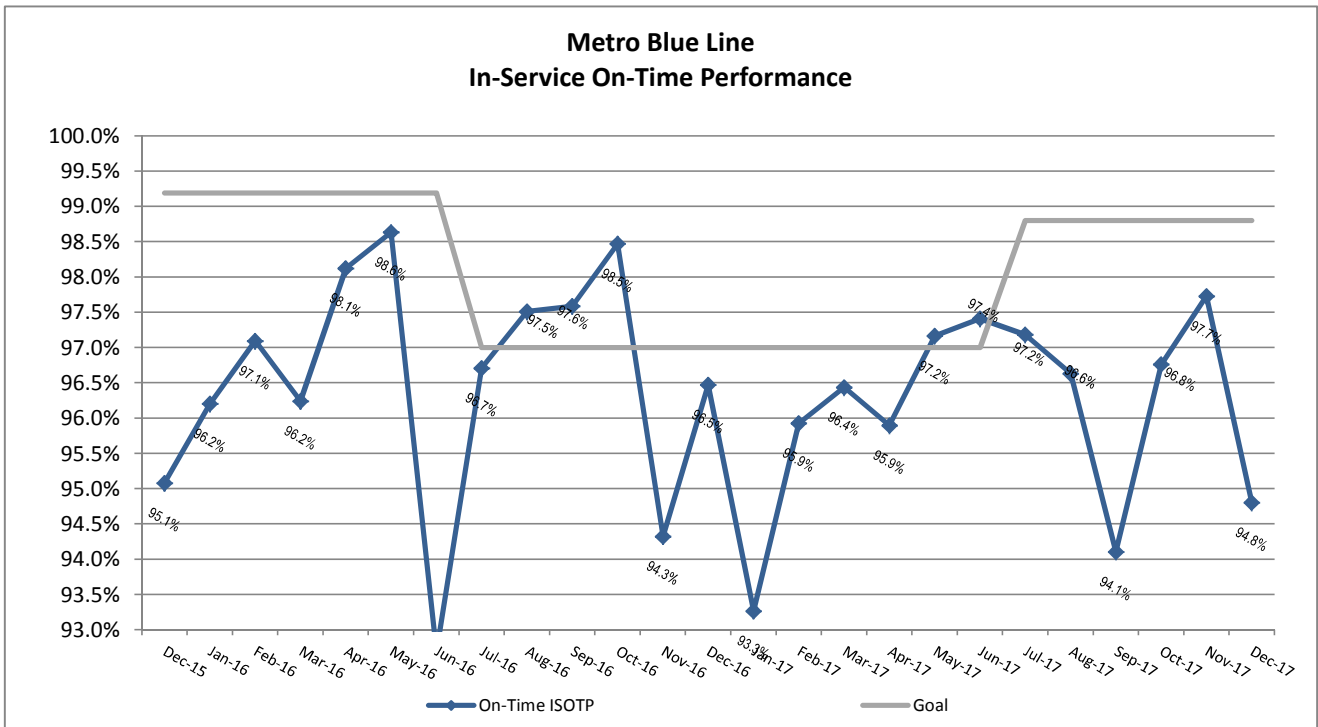
COMPLIANCE WITH SCHEDULED TRAIN MILES



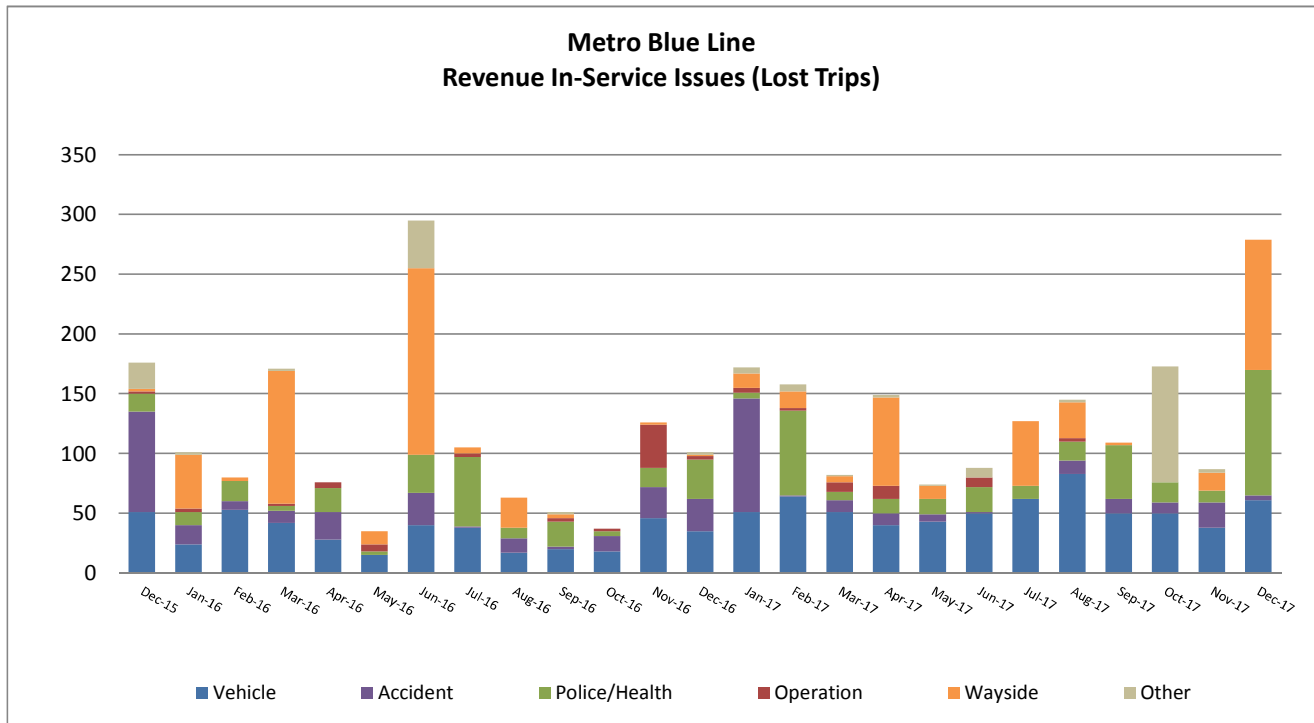
ON-TIME PULL OUTS



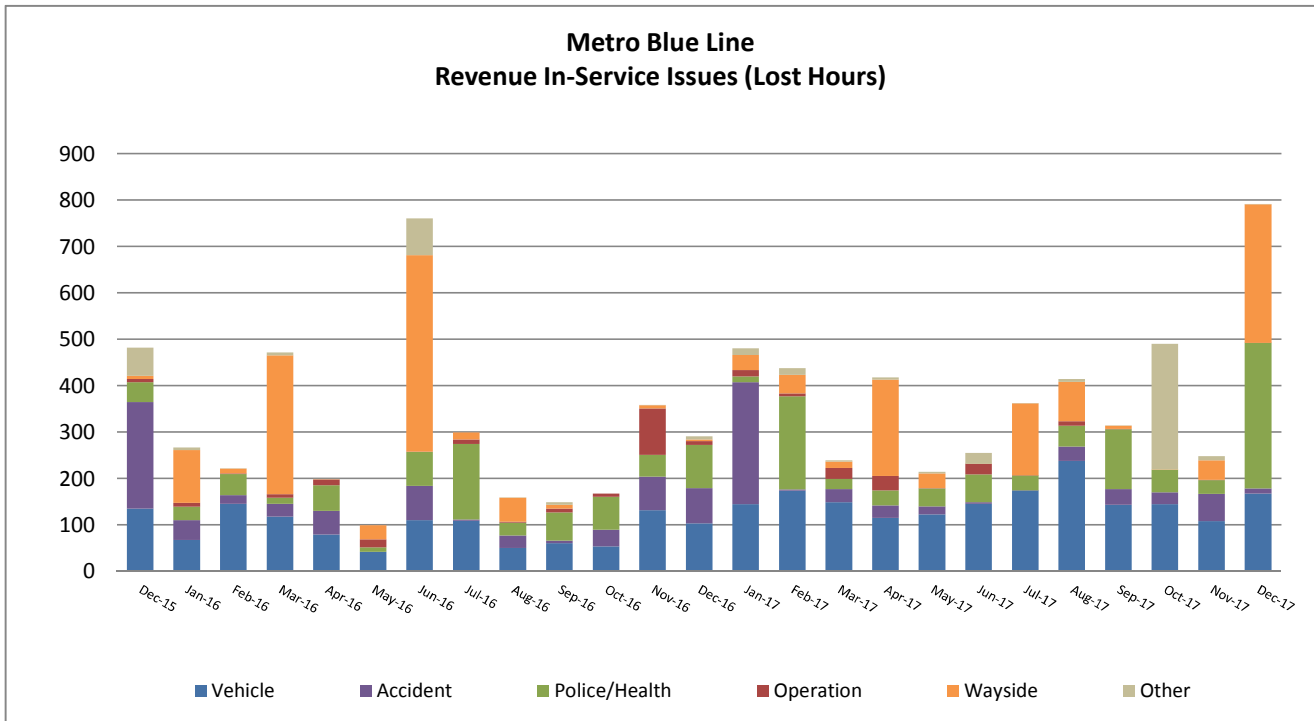
IN-SERVICE ON-TIME PERFORMANCE CHART



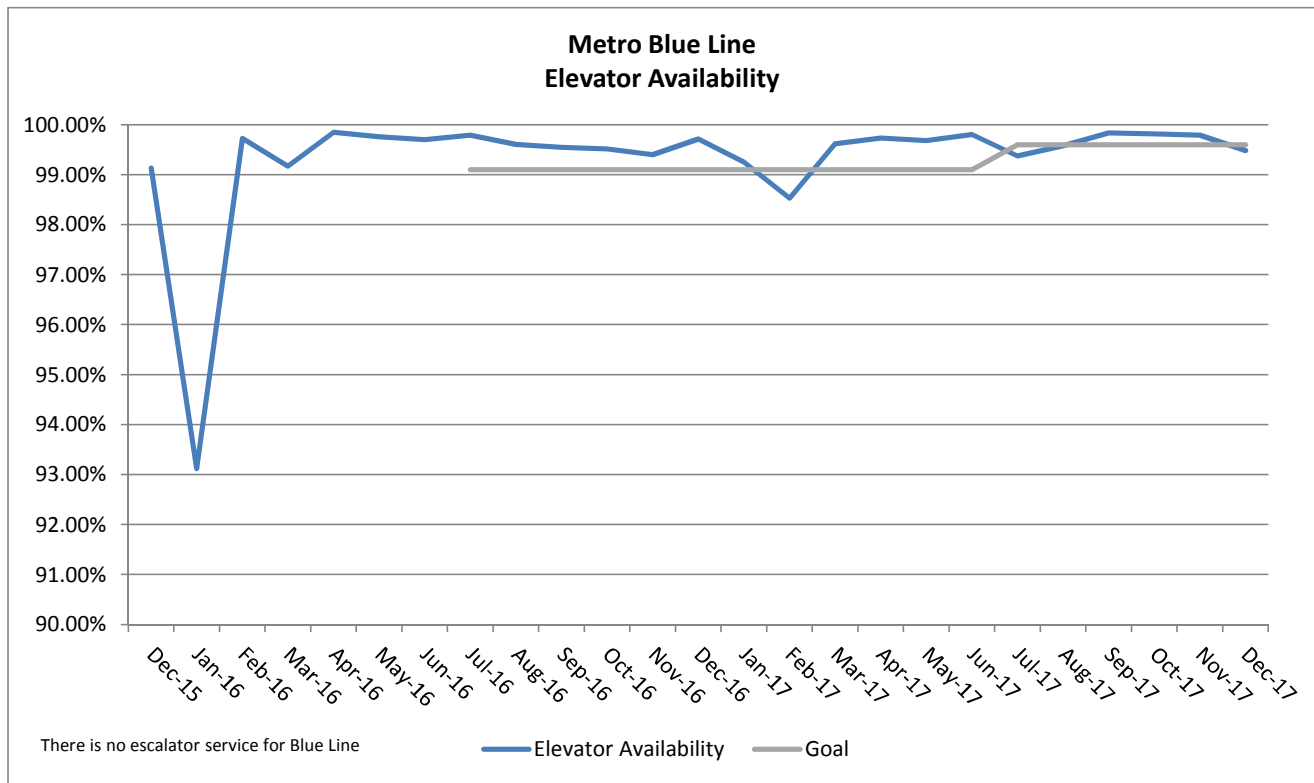
LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY



RED LINE

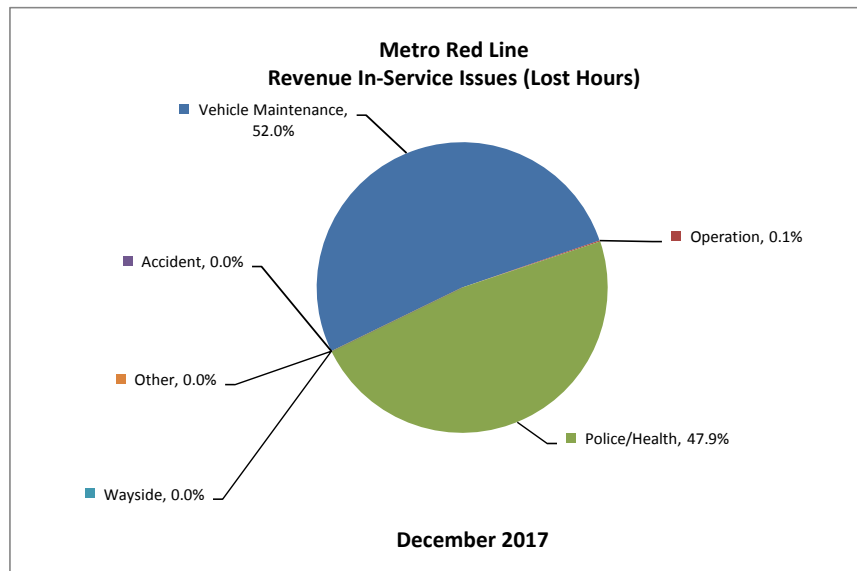
Out of a total of 26,435 hours operated, there were approximately 73 total hours of service delays.

December 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	26,362	99.7%
Cancelled + Delayed Hours	73	0.3%
Total Revenue Hours	26,435	100.0%

Summary of the incidents:	Count	Hours	Percent
Operations	1	0.1	0.1%
Accidents	0	0.0	0.0%
Vehicle Maintenance	11	37.9	52.0%
Wayside	0	0.0	0.0%
Police & Health	9	35.0	47.9%
Other	0	0.0	0.0%
Total	21	73.0	100.0%

* 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



December 2017 Red Line incidents causing delay were as follows:

Operations Incidents:

12-19-2017 2:21:00 PM - Incident# 2948089 (0 lost trips, 6 lost minutes)

T-435 on Train 202 cars 593, 594, 541, 542, Wilshire Western, BR Platform, proceeded eastbound on the BR track with wrong routing.

Vehicle Maintenance Incidents:

12-01-2017 5:43:00 AM - Incident# 2940606 (6 lost trips, 913 lost minutes)

Report of loud noise as train entered Civic Center station.

Train 206

T-378

Train now has no movement.

563 564 549 550

12-04-2017 4:32:00 AM - Incident# 2941462 (4 lost trips, 597 lost minutes)

Train 211 experiencing propulsion and service brake failure.

T-483

Civic Center AR Westbound.

549 550 583 584 (547) 548

Single tracking.

12-05-2017 6:58:00 PM - Incident# 2942369 (0 lost trips, 10 lost minutes)

Shattered glass doors #10 & 12.

Train #216

T-199

Cars #579-(580)-587-588-585-586.

E/Bound Universal City Station A/L Track.

12-12-2017 5:26:00 PM - Incident# 2945402 (0 lost trips, 9 lost minutes)

Recurring emergency brake application.

Train #215

T-166

Cars # (599)-600-547-548-541-542.

W/Bound Hollywood Highland Station A/R Track.

12-17-2017 10:21:00 PM - Incident# 2947299 (1 lost trip, 116 lost minutes)

Train 204 (585,586,601,602) T-272, Pershing Square Station, AL reports door problem.

12-18-2017 2:45:00 PM - Incident# 2947650 (0 lost trips, 9 lost minutes)

Service brake failure train line, no movement.

Union Station East IL, AR track, W/bound.

Cars: 599 600 579 (580) 549 550.

Train 216.

T-328.

12-19-2017 2:09:00 PM - Incident# 2948083 (1 lost trip, 149 lost minutes)

T-176 reports Train 203 cars 577, 578, 591, 592, Wilshire Western, BR Platform, no cab signal on car 592 going eastbound.

12-20-2017 3:12:00 PM - Incident# 2948566 (0 lost trips, 10 lost minutes)

Train 217 (569,570,595,596,567,568) T-217, Civic Ctr. Station, AR reports flashing cab signals.

12-22-2017 9:50:00 PM - Incident# 2949540 (0 lost trips, 15 lost minutes)

Train 215 (599,600,561,562,595,596) T-378, Westlake Station, AL reports car 600 has doors 1,3 off the track, no movement.

12-26-2017 10:22:00 AM - Incident# 2950323 (2 lost trips, 299 lost minutes)

T-31 reports he smelled the friction brakes and it felt as if the train was dragging at Pershing Square AR.

Train 203

Cars 527, 522, (519), 526

12-28-2017 8:07:00 PM - Incident# 2951406 (1 lost trip, 149 lost minutes)

T-176 reports vibration on train 212 (cars 511-512-519-526-521-530), lead car 530, at Hollywood and Vine Station, AL track, Eastbound. T-176 states he feels it is unsafe to operate with patrons on board.

Police & Health Incidents:

12-10-2017 12:37:00 AM - Incident# 2944239 (2 lost trips, 348 lost minutes)

Train 206 T-41 arriving at Westlake AR Westbound received a emergency intercom activation regarding a male with a yellow jacket who assaulted a male hispanic with a red shirt and green pants.

12-10-2017 6:10:00 PM - Incident# 2944405 (2 lost trips, 348 lost minutes)

Reports trespasser on the ROW AR, was reported heading East when he was actually heading West.

12-11-2017 7:15:00 PM - Incident# 2944903 (2 lost trips, 299 lost minutes)

Operator reports a patron is having a seizure onboard train 203, car 568.

12-13-2017 1:44:00 PM - Incident# 2945754 (0 lost trips, 5 lost minutes)

Trespasser on the right of way in vicinity of pump station #3, on the A/L Track.

12-13-2017 4:17:00 PM - Incident# 2945806 (0 lost trips, 11 lost minutes)

North Hollywood Station Platform physical altercation.

12-15-2017 3:15:00 AM - Incident# 2946423 (0 lost trips, 24 lost minutes)

Trespasser reported accessing on the AL west gate at Hollywood Western.

12-15-2017 12:11:00 PM - Incident# 2946631 (0 lost trips, 4 lost minutes)

Patron screamed there is a bomb on the train.

Train 204 West

12-20-2017 8:29:00 AM - Incident# 2948407 (4 lost trips, 597 lost minutes)

Train 207 reports trespasser on the service walkway at CP 60 AR.

12-21-2017 5:29:00 AM - Incident# 2948761 (0 lost trips, lost minutes)

SCADA IDS alarm activated at Hollywood/Vine AL west by a trespasser on the ROW walking east on the tracks.

12-24-2017 7:17:00 AM - Incident# 2949793 (4 lost trips, 464 lost minutes)

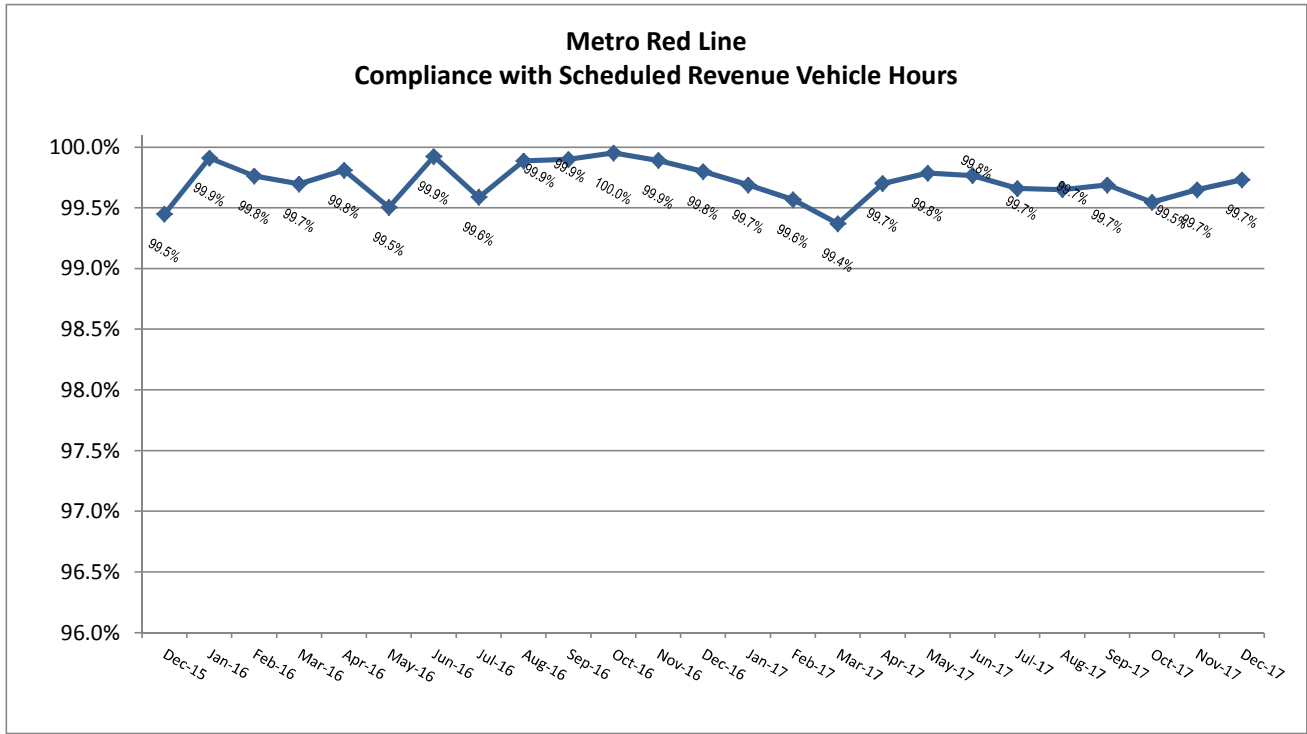
G-420 reports a African American male harrassing a female and jumped on the AL track at 7th & Metro running towards Westalke.

Male African American

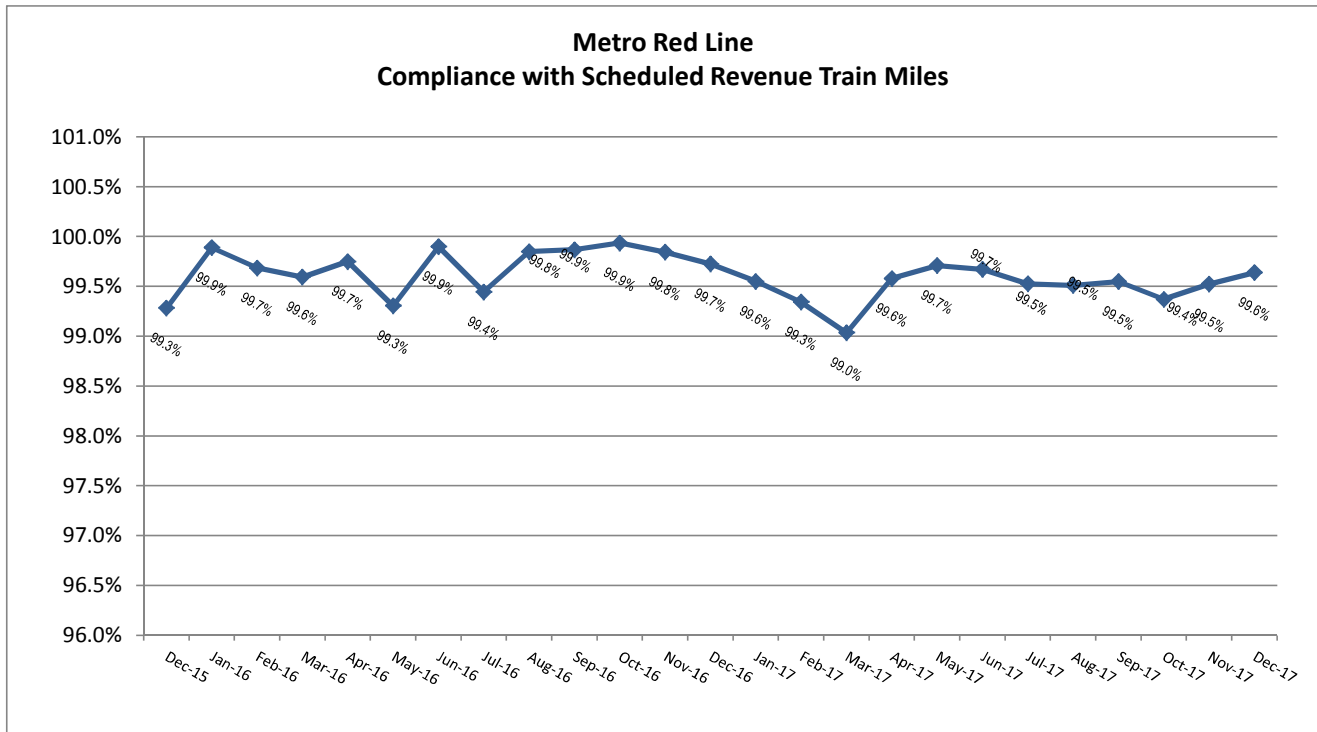
Red shirt, White pants

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

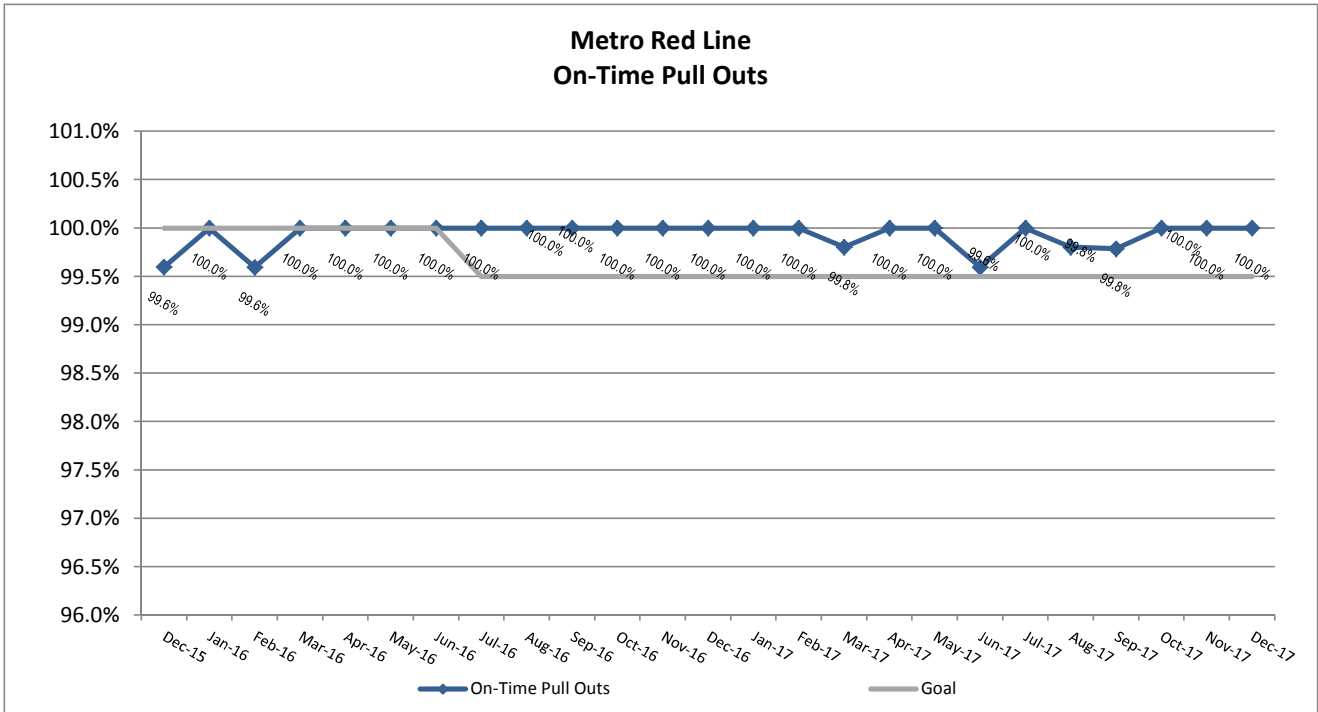
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



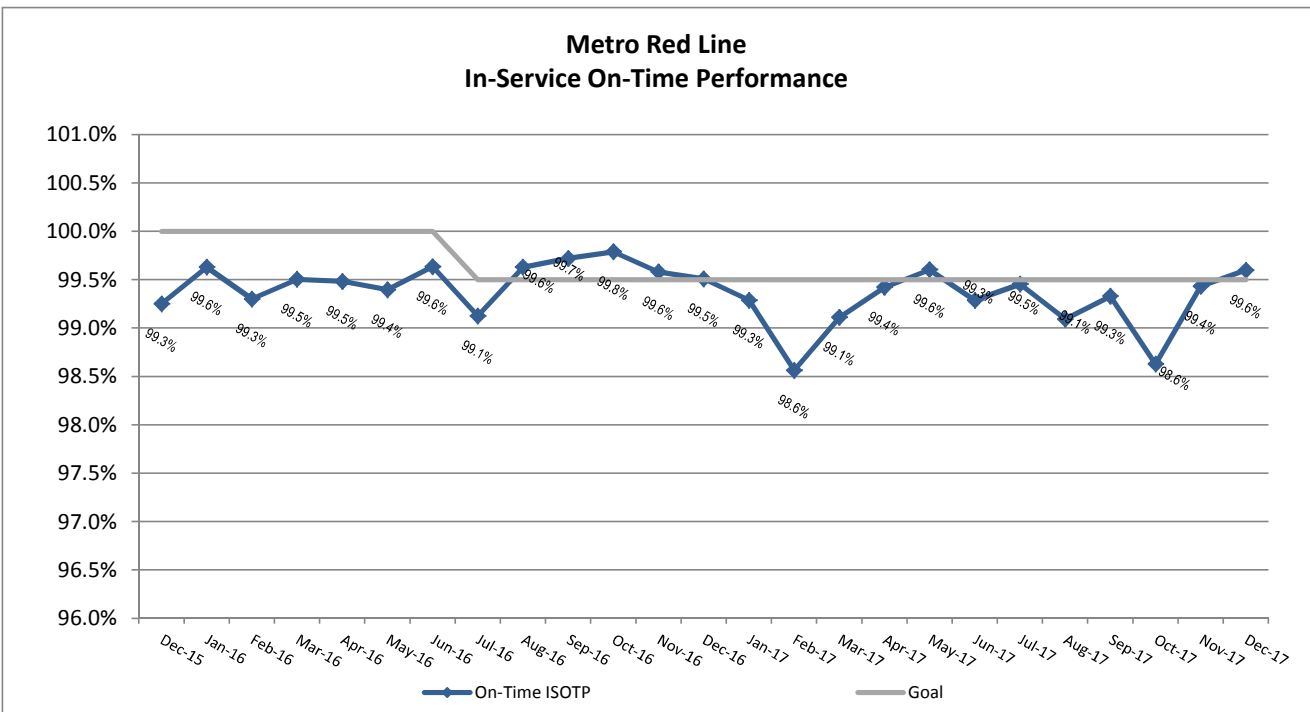
COMPLIANCE WITH SCHEDULED TRAIN MILES



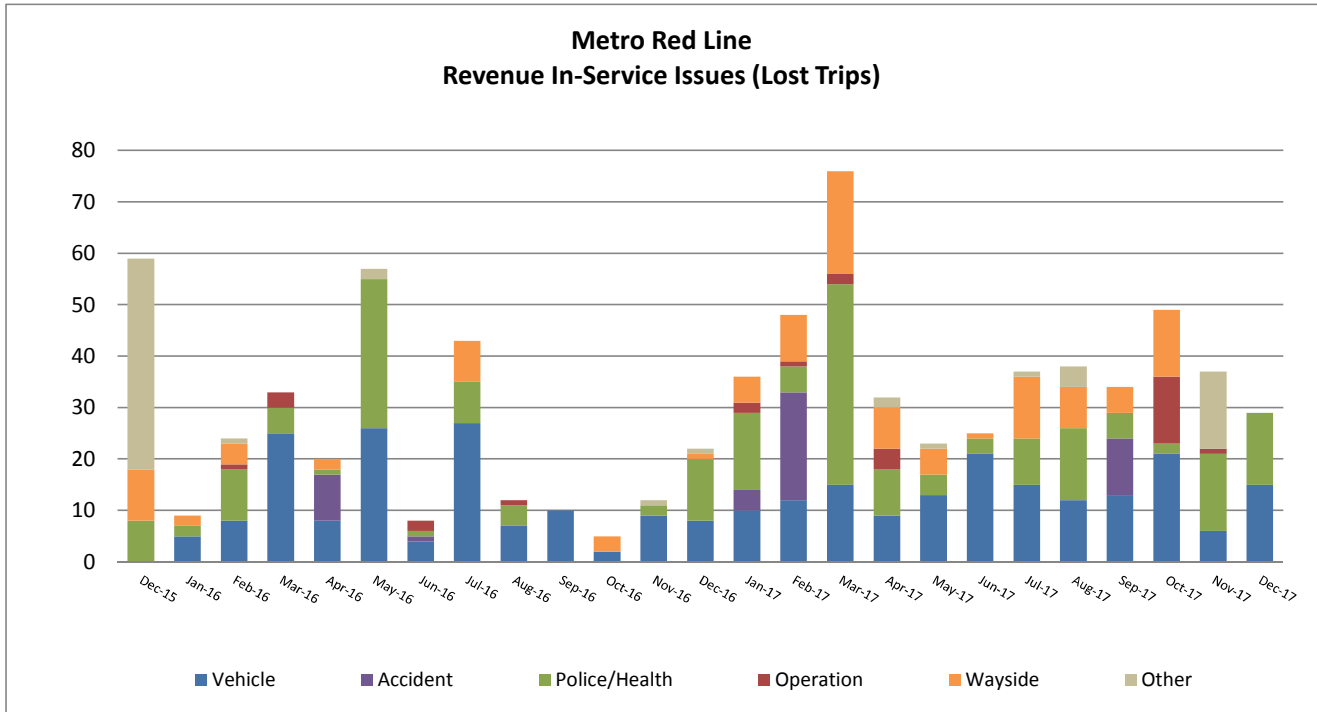
ON-TIME PULL OUTS



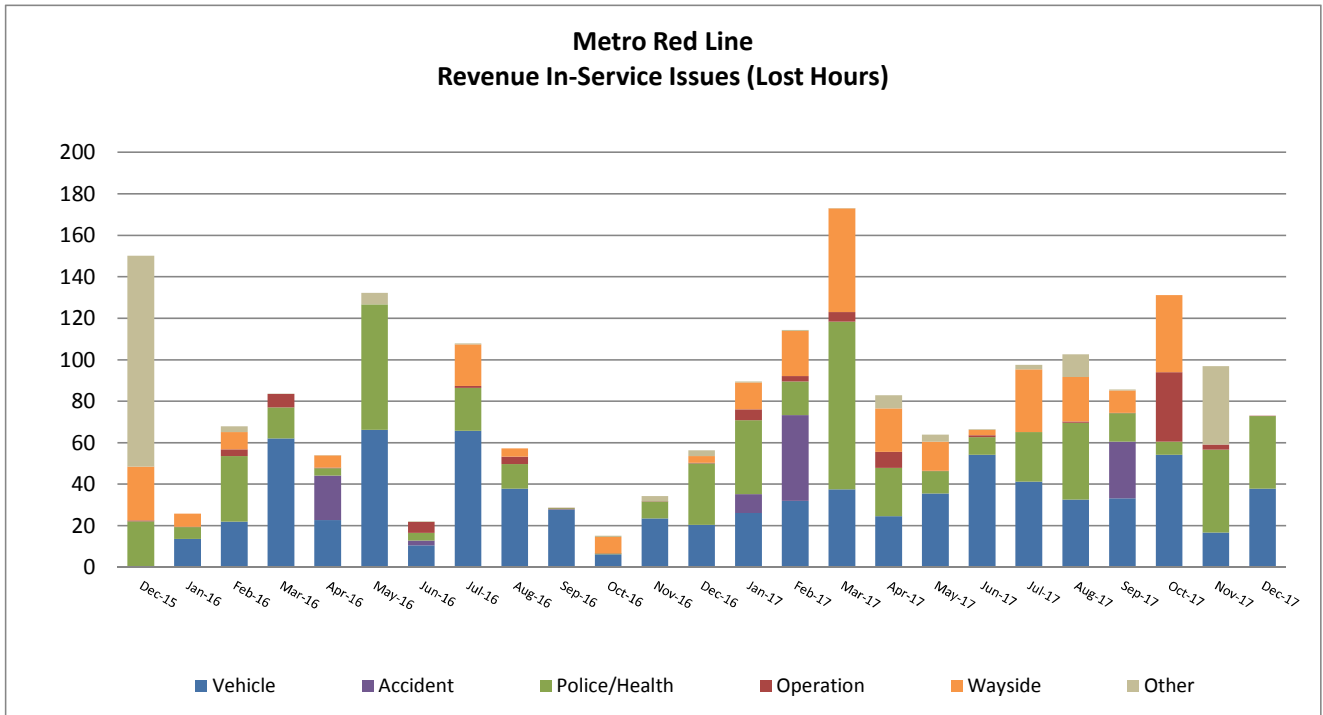
IN-SERVICE ON-TIME PERFORMANCE



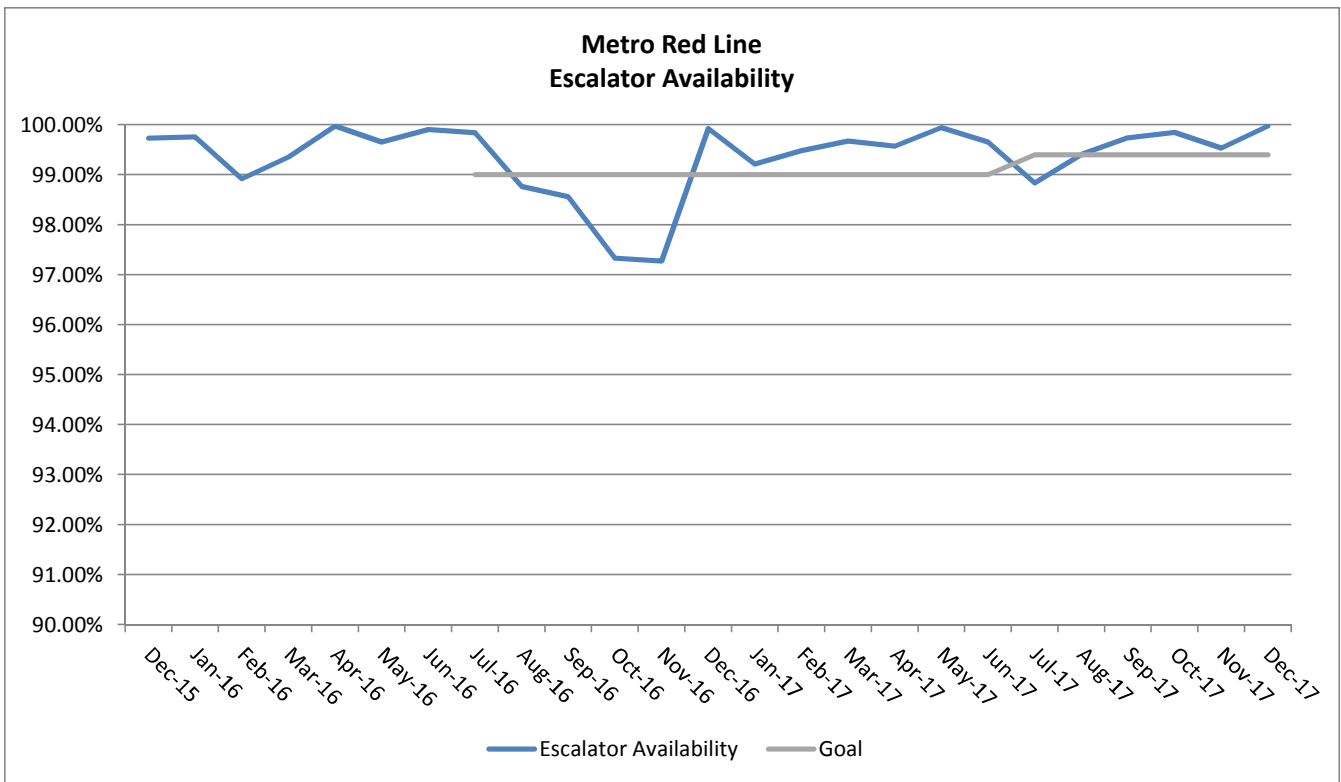
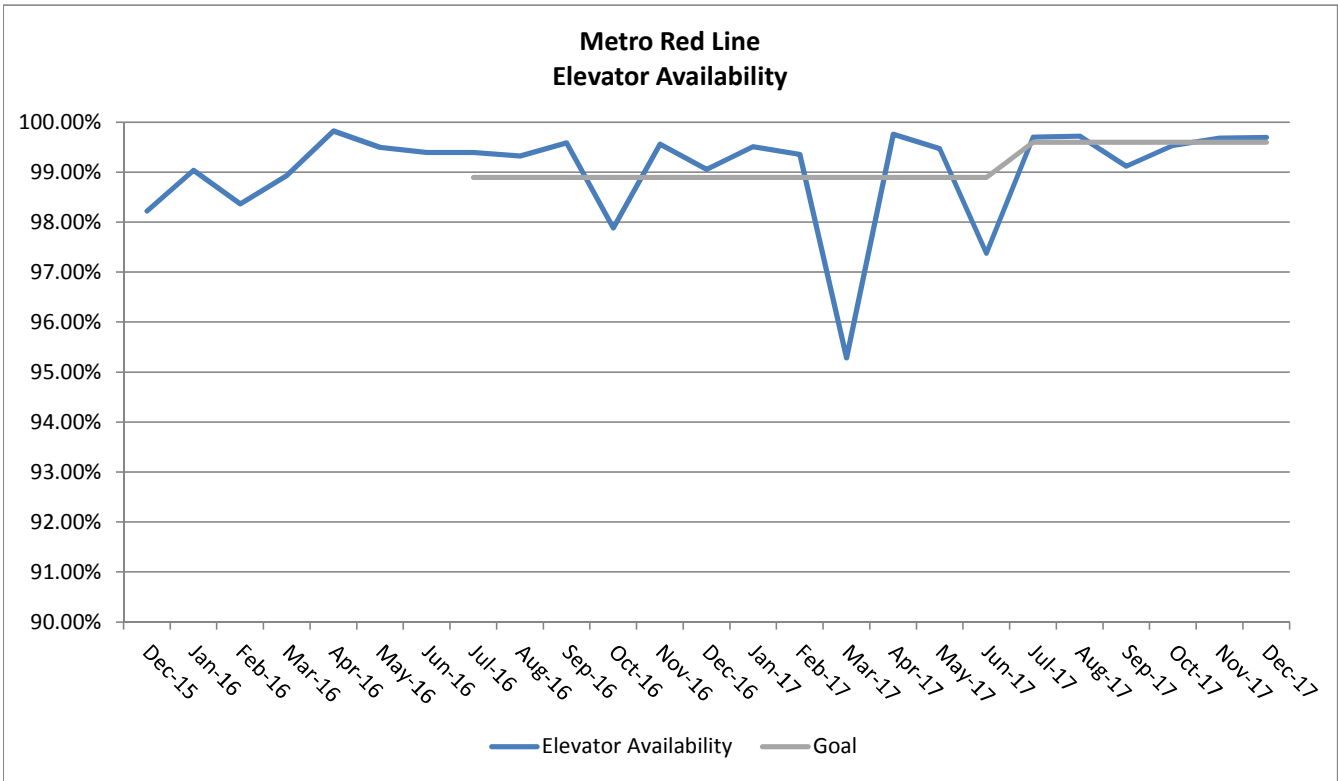
LOST TRIPS



LOST TRIPS



VERTICAL TRANSPORTATION AVAILABILITY



GREEN LINE

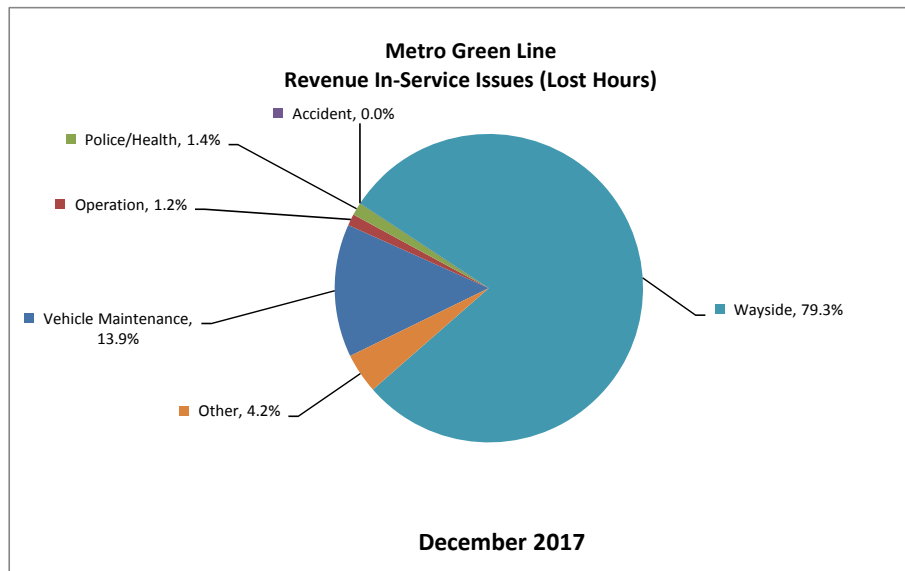
Out of a total of 8,608 hours operated, there were approximately 195 total hours of service delays.

December 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	8,413	97.7%
Cancelled + Delayed Hours	195	2.3%
Total Revenue Hours	8,608	100.0%

Summary of the incidents:	Count	Hours	Percent
Operations	2	2.4	1.2%
Accidents	0	0.0	0.0%
Vehicle Maintenance	33	27.2	13.9%
Wayside	3	154.7	79.3%
Police & Health	4	2.7	1.4%
Other	5	8.2	4.2%
Total	47	195.1	100.0%

* 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



December 2017 Green Line incidents causing delay were as follows:

Operations Incidents:

12-26-2017 3:28:00 PM - Incident# 2950490 (2 lost trips, 132 lost minutes)

Operator Error

12-26-2017 10:10:00 PM - Incident# 2950583 (0 lost trips, 9 lost minutes)

Late Departure

Vehicle Maintenance Incidents:

12-01-2017 6:42:00 AM - Incident# 2940642 (0 lost trips, 5 lost minutes)

Burning Smell and noise from the outside of the train Per

M-290 Snad dispensor broken.

Train 338

T-202

(215)-243

Marine Trk 2

+ 5 min.

12-04-2017 12:13:00 AM - Incident# 2941436 (0 lost trips, 10 lost minutes)

Train 331, LRV 202A.

Long Beach Station, Track 2 east.

Spin slide.

12-04-2017 4:32:00 PM - Incident# 2941872 (0 lost trips, 10 lost minutes)

Operator reports of an ADU fault

Train 345

T-266

(217)201

Hawthorne station, Trk. 2, eastbound

12-04-2017 6:28:00 PM - Incident# 2941885 (0 lost trips, 10 lost minutes)

Train 332 Car 221 developed a propulsion fault. Train also experienced a speed restriction fault.

12-05-2017 4:52:00 AM - Incident# 2941999 (0 lost trips, 19 lost minutes)

Car 226 Propulsion Fault with speed restriction

Train 228

T-20

Track 1 Westbound at Lakewood Station

Consist 226-205

12-06-2017 6:05:00 PM - Incident# 2942795 (1 lost trip, 74 lost minutes)

Recurring propulsion faults with speed restriction.

Train 346

T-105

Track 2, E/B

El Segundo Station

(206A)-201

ATO and manual modes

12-07-2017 3:08:00 PM - Incident# 2943323 (0 lost trips, 3 lost minutes)

Self applying brakes

12-08-2017 2:13:00 PM - Incident# 2943819 (3 lost trips, 199 lost minutes)

Doors not opening on train 336 at Douglas Station.

Train # 336

T-226

Douglas, track #1, westbound

(243) 212

12-08-2017 2:19:00 PM - Incident# 2943829 (0 lost trips, 6 lost minutes)

Unable to close doors on car (202) 7/8.

Train # 342

T-255

Marine, track #2, eastbound

219 (202)

12-08-2017 4:15:00 PM - Incident# 2943879 (0 lost trips, 6 lost minutes)

Propulsion and Speed Restriction on car (224A).

Train # 346

T-78

Aviation, track #2, eastbound

(224 222)

12-11-2017 1:42:00 PM - Incident# 2944770 (1 lost trip, 69 lost minutes)

Operator reports of a friction brake with no movement
Train 332
T-458
(224A)206
Maripose station, Trk. 1, westbound

12-11-2017 2:11:00 PM - Incident# 2944786 (0 lost trips, 14 lost minutes)

Operator reports of doors unable to close.
Train 335
T-184
(1086)1088
Wilmington station, Trk. 1, westbound

12-11-2017 4:32:00 PM - Incident# 2944855 (3 lost trips, 198 lost minutes)

Operator reports of no movement
Train 346
T-013
1084-1083
Marine station, Trk. 1, eastbound

12-11-2017 5:05:00 PM - Incident# 2944867 (0 lost trips, 6 lost minutes)

Operator reports of door problems
Train 347
T-044
1086-1088
Norwalk station, Trk. 1, westbound

12-11-2017 5:45:00 PM - Incident# 2944881 (0 lost trips, 6 lost minutes)

Operator reports of no movement
Train 346
T-013
1086-1088
Wilmington station, Trk. 1, westbound

12-12-2017 5:51:00 PM - Incident# 2945405 (0 lost trips, lost minutes)

Train 349 Car 1085/1084 has a no fault no movement.

12-13-2017 6:49:00 AM - Incident# 2945558 (0 lost trips, 9 lost minutes)

ATP problems Car 1087
Norwalk Station Track 1 Westbound
Operator T-458 Train 343
Car # (1087)-1083

12-13-2017 8:17:00 AM - Incident# 2945597 (0 lost trips, 6 lost minutes)

Propulsion fault, no movement.
Train # 340
T-489
Norwalk, track #1, westbound
1084 1085

12-14-2017 4:55:00 PM - Incident# 2946316 (2 lost trips, 132 lost minutes)

Train 334 (T-57) reports un-clearable propulsion fault on car 211.

12-15-2017 6:48:00 AM - Incident# 2946556 (0 lost trips, 16 lost minutes)

Train 335 (T-140) reports that they were unable to close the doors at Harbor Station.

12-15-2017 5:29:00 PM - Incident# 2946782 (0 lost trips, 20 lost minutes)

No fault no movement. cars 1087-1086
Train 347
T-394
Track 2
Eastbound
Douglas station
ATO MODE

12-15-2017 7:04:00 PM - Incident# 2946790 (0 lost trips, 10 lost minutes)

Propulsion fault no movemet. cars 208A-206
Train 347
T-348
Track 2
Eastbound
Vermont station
ATO MODE

12-19-2017 2:35:00 PM - Incident# 2948099 (0 lost trips, lost minutes)
Train # 345 pulled out of the yard late due to mechanical problems. As per schedule, train was to pull out eastbound and began service at Douglas Station.
Train # 345
T-496
Yard Limits
1086 1088

12-20-2017 4:11:00 AM - Incident# 2948266 (2 lost trips, 132 lost minutes)
Propulsion fault car # 215
Train # 332 Operator T-202
Mariposa Track 2 East.
Car # (215)-222

12-20-2017 5:24:00 PM - Incident# 2948639 (0 lost trips, 15 lost minutes)
Cab Door

12-21-2017 8:33:00 AM - Incident# 2948851 (4 lost trips, 274 lost minutes)
Car 1080 Doors will not close
Tain 332
T-40
Harbor Station Track 2 Eastbound
Consist 1082-1080

12-22-2017 7:20:00 AM - Incident# 2949265 (1 lost trip, 75 lost minutes)
Low Air pressure
Train 339
T-140
(214)-217
Delays 5 or more affected

12-22-2017 3:35:00 PM - Incident# 2949477 (0 lost trips, 6 lost minutes)
Announcements, cars #(1085A)-1086
Train #450
T-496
Aviation Station, Track #002, Eastbound.

12-23-2017 6:54:00 AM - Incident# 2949595 (0 lost trips, 6 lost minutes)
Car 1087B No P/A system
Train 331
T-85
Long Beach Station track 1 westbound
Consist 1087-1084

12-25-2017 2:18:00 PM - Incident# 2950038 (1 lost trip, 65 lost minutes)
No fault no movement. car 223-205
T-458
Track 1
Westbound
Vermont IL signal 22
ATO MODE

12-26-2017 4:08:00 PM - Incident# 2950498 (2 lost trips, 132 lost minutes)
No cab signals

12-28-2017 8:06:00 AM - Incident# 2951119 (0 lost trips, 5 lost minutes)
Unable to receive cab signals or obtain stop and proceed on car (1083A).
Train # 343
T-255
Norwalk, westbound, Track 1
(1083A) 1080

12-28-2017 4:50:00 PM - Incident# 2951365 (0 lost trips, 10 lost minutes)
Train # 350 reports loss of cab signals departing Douglas Station.
Train # 350
T-177
Douglas, track #2, eastbound
1082 1083

12-29-2017 8:06:00 AM - Incident# 2951537 (0 lost trips, 9 lost minutes)
Propulsion / Dynamic Brakes, cars #(1084B)-1087
Train #335
T-343
Long BEach Station, Track #001, Westbound.

12-29-2017 8:33:00 AM - Incident# 2951546 (1 lost trip, 74 lost minutes)

Auto Train Operation, (1083A)-1082
Train #337
T-269
Harbor Station, Track #001, Westbound.

Wayside Incidents:

12-17-2017 6:20:00 AM - Incident# 2947121 (142 lost trips, 9,244 lost minutes)

Train 331 reports propulsion fault approaching Crenshaw Station track 2.
Train 331
T-344
Cars 244-(218)
Track 2, Eastbound, Hawthorne Station

12-19-2017 9:07:00 AM - Incident# 2947918 (0 lost trips, 20 lost minutes)

Work Permit E-5/Traction Power entering the mainline on High Rail to work location, Aviation to Vermont west IL
(extended due to repairs needed).

12-20-2017 5:06:00 PM - Incident# 2948618 (0 lost trips, 16 lost minutes)

Service delay

12-27-2017 8:40:00 AM - Incident# 2950737 (0 lost trips, lost minutes)

OCS: Repair Track 1 from Aviation 14 to Vermont 8

Police & Health Incidents:

12-02-2017 9:58:00 PM - Incident# 2941228 (0 lost trips, 5 lost minutes)

T-297 reports individual is not letting her board the cab.
Train 335
206-221
T-297
Track 1
Norwork station
Westbound

12-05-2017 10:47:00 PM - Incident# 2942416 (2 lost trips, 132 lost minutes)

Train 345 reported being held by LAPD at Harbor Station.

12-25-2017 7:58:00 AM - Incident# 2949986 (0 lost trips, 12 lost minutes)

Possible seizure.
Train #341.
T-148.
LRV, 212, (215).
Harbor Freeway Station, Track #2, Eastbound.

12-26-2017 10:35:00 PM - Incident# 2950588 (0 lost trips, 12 lost minutes)

Pregnant woman Stomach pains

Other Incidents:

12-08-2017 3:41:00 PM - Incident# 2943857 (0 lost trips, 6 lost minutes)

Operator reports an individual is smoking marijuana at Avalon Station. No destruction of patron.
Train #344
T-096
Avalon, track #1, westbound
213 223

12-15-2017 4:49:00 PM - Incident# 2946774 (1 lost trip, 71 lost minutes)

No Alpha AA. Trip cancelled.

12-18-2017 2:33:00 PM - Incident# 2947640 (2 lost trips, 132 lost minutes)

MGL Controller (R-074) advises of the following:
Train 348.....no manpower or equipment
Train 349.....single rail car
Train 350.....train which was used at Nwk to push B/O consist into tail track

12-19-2017 7:33:00 AM - Incident# 2947887 (2 lost trips, 151 lost minutes)

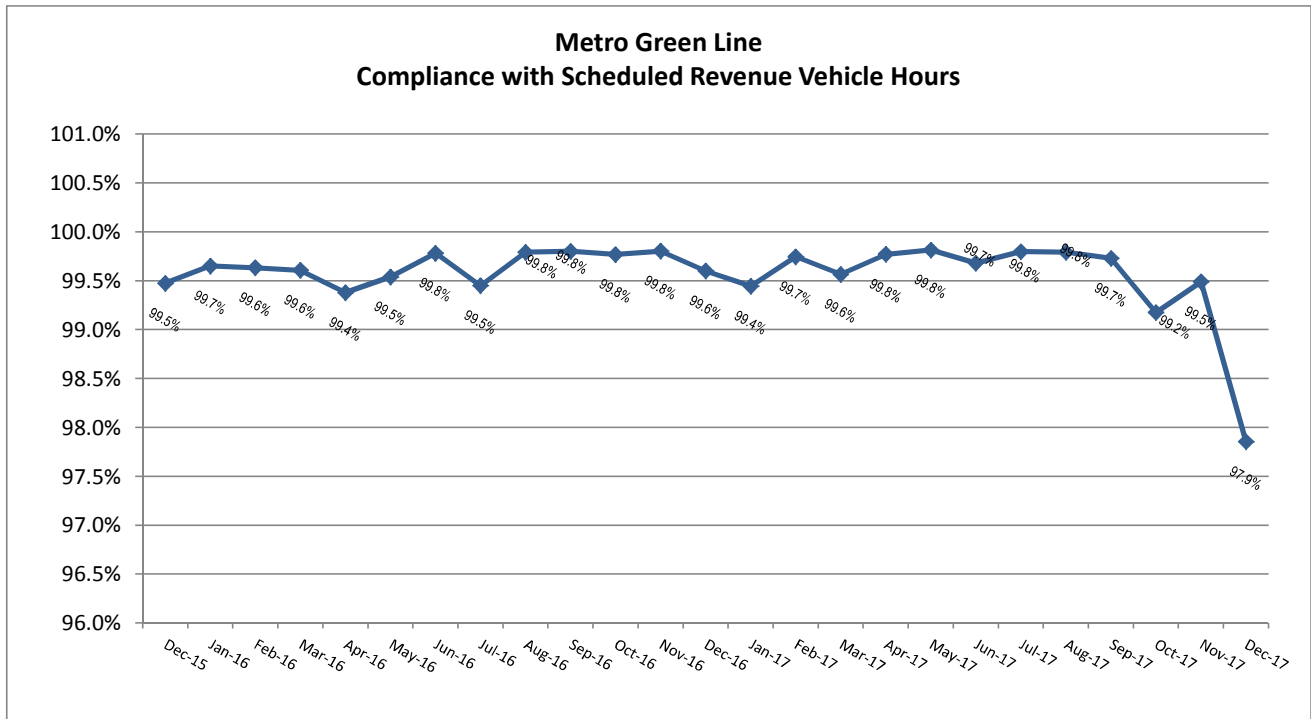
Train # 343 experience delays due to patron tampering with doors.

12-27-2017 3:18:00 PM - Incident# 2951748 (2 lost trips, 132 lost minutes)

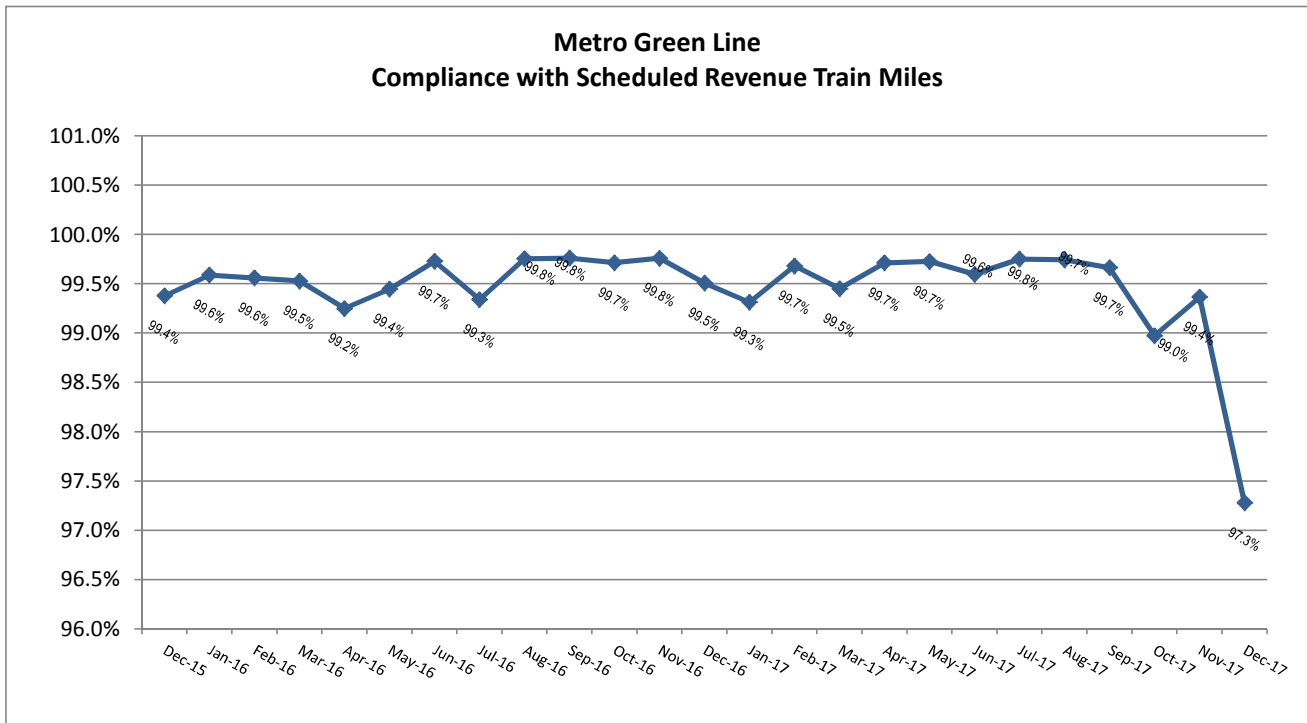
Out Late due to no operators to complete roll-out

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

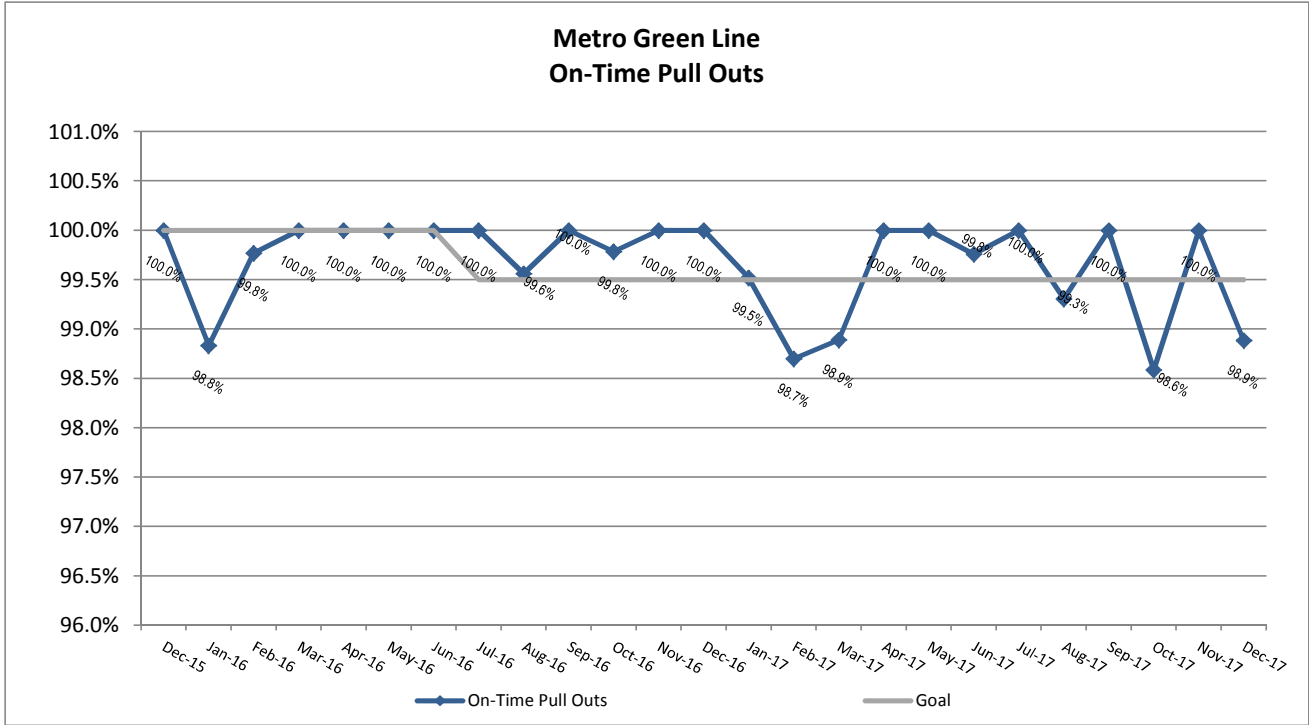
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



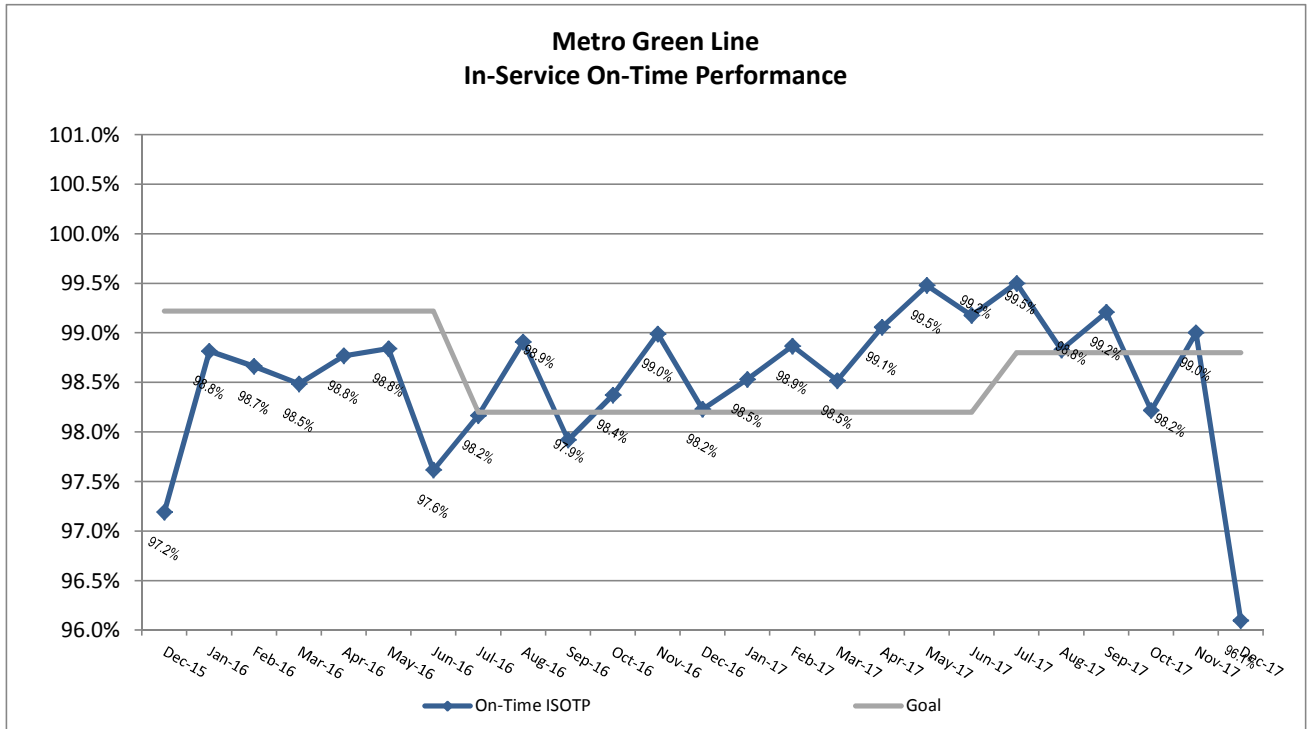
COMPLIANCE WITH SCHEDULED TRAIN MILES



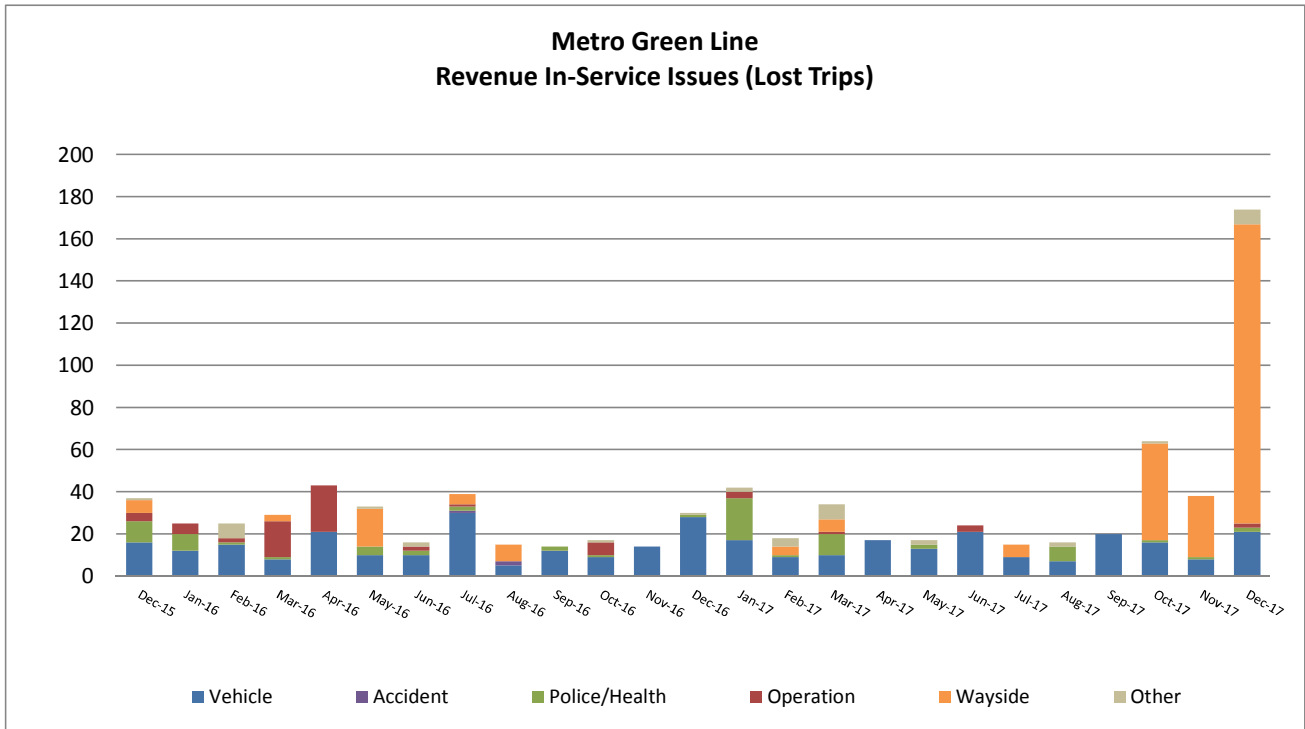
ON-TIME PULL OUTS



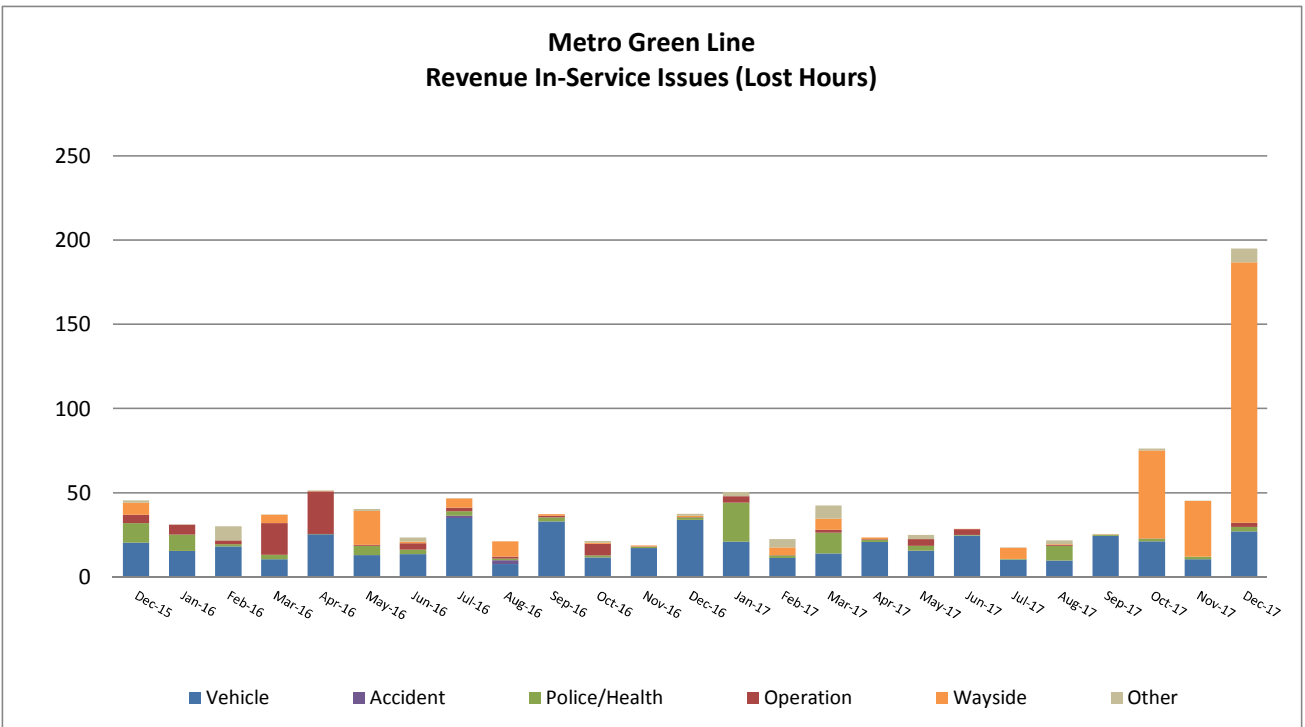
IN-SERVICE ON-TIME PERFORMANCE



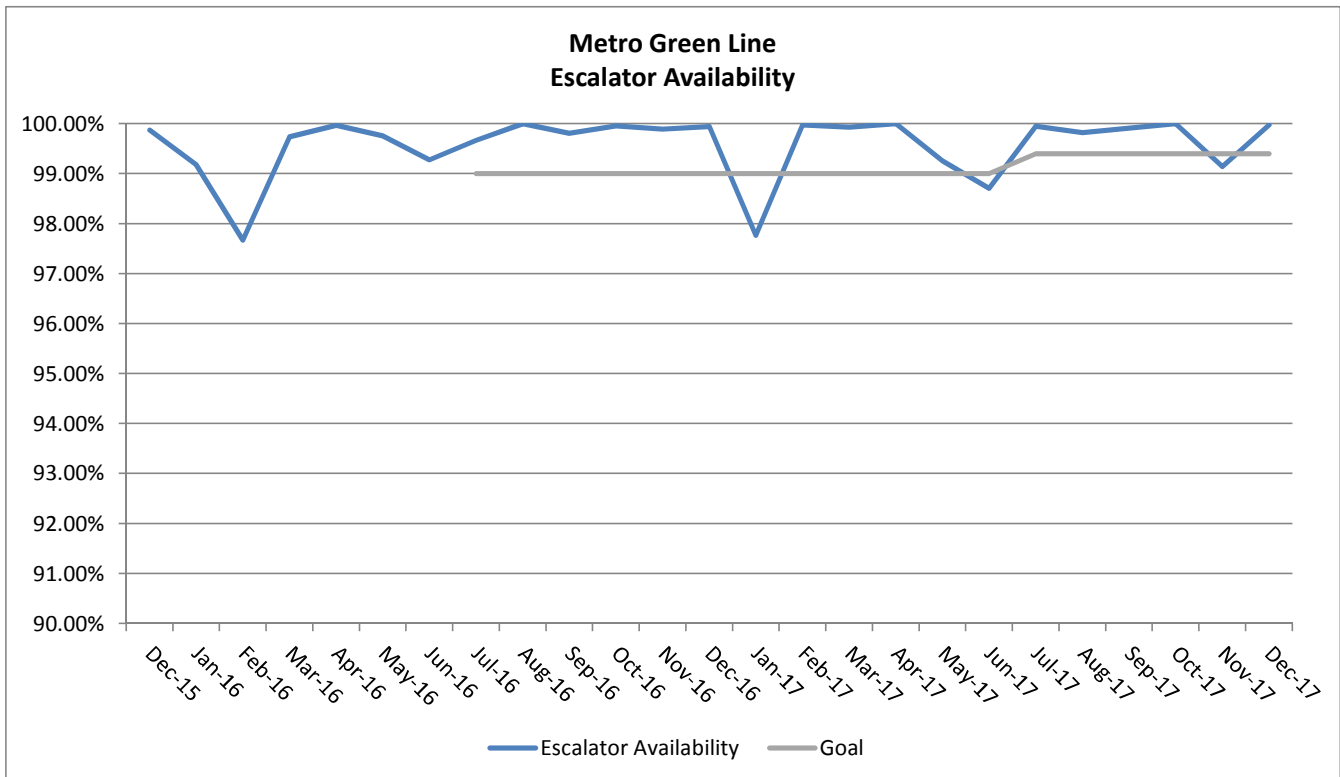
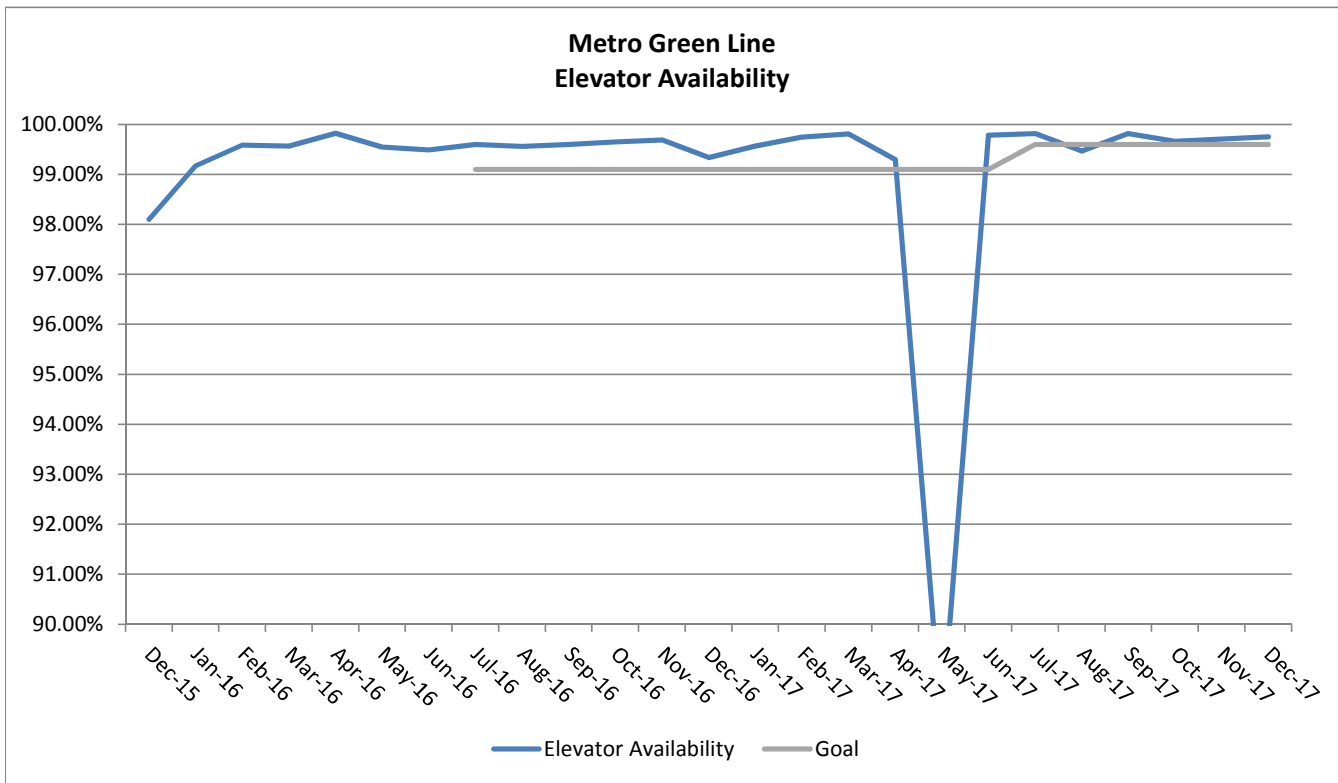
LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY



GOLD LINE

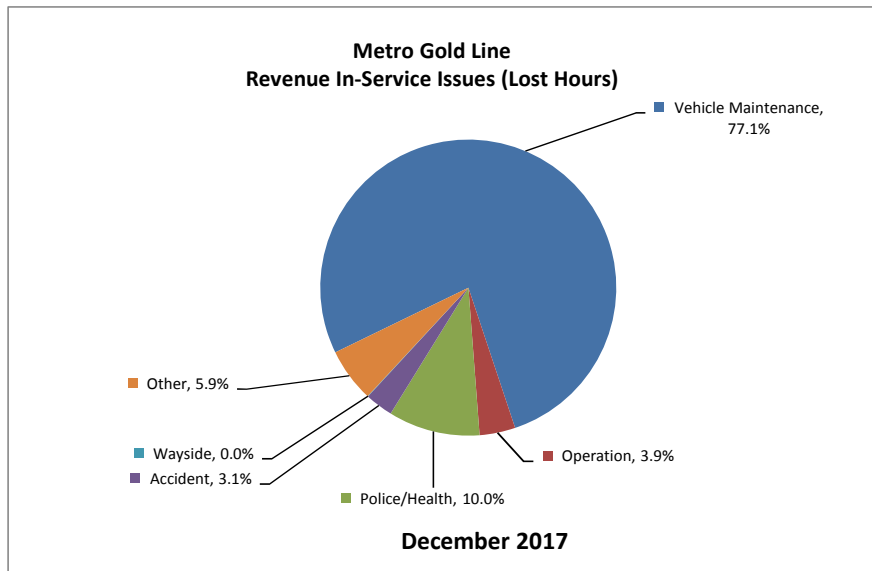
Out of a total of 21,875 hours operated, there were approximately 145 total hours of service delays.

December 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	21,729	99.3%
Cancelled + Delayed Hours	145	0.7%
Total Revenue Hours	21,875	100.0%

Summary of the incidents:	Count	Hours	Percent
Operations	2	5.7	3.9%
Accidents	1	4.4	3.1%
Vehicle Maintenance	29	112.1	77.1%
Wayside	1	0.1	0.0%
Police & Health	11	14.6	10.0%
Other	2	8.6	5.9%
Total	46	145.5	100.0%

* 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



December 2017 Gold Line incidents causing delay were as follows:

Operations Incidents:

12-02-2017 5:50:00 AM - Incident# 2941036 (0 lost trips, 5 lost minutes)

Rule Violation
Train #401
T-216
APU/Citrus Station, Track #001, Southbound

12-31-2017 7:56:00 AM - Incident# 2952080 (1 lost trip, 335 lost minutes)

Train 413 did not pull out of yard at scheduled pull out time due to Operator Error in the yard.
Cars 1010-1057-1055
Operator T-452
Yard Controller R-143

Accidents:

12-14-2017 9:29:00 AM - Incident# 2946109 (1 lost trip, 266 lost minutes)

Auto vs. Train at Del Mar Grade Crossing northbound, Track 1.

Vehicle Maintenance Incidents:

12-02-2017 1:23:00 PM - Incident# 2941124 (0 lost trips, 9 lost minutes)

Heating / Air Conditioning, (burning smell) cars #(733-722)
Train #407
T-186
Sierra MADre Villa, Track #002, Southbound

12-02-2017 4:20:00 PM - Incident# 2941171 (0 lost trips, 4 lost minutes)

Car 739 HSCB will not close, no movement.
T-470
Train 406
Cars (739)-718
Atlantic Station, Track 1, northbound.

12-05-2017 4:41:00 AM - Incident# 2941990 (0 lost trips, lost minutes)

Reports of no movement
Train #415
T-98
1011-1012-1059
Gold Line Division, 24, SB

12-05-2017 7:03:00 AM - Incident# 2942052 (6 lost trips, 1,476 lost minutes)

Reports of ATP failure
Train # 416
T-493
(748A)-743-722
Highland Park Station, Track #1, NB

12-05-2017 5:05:00 PM - Incident# 2942336 (1 lost trip, 246 lost minutes)

T-63 on Train 451 (1005, 1009), lead car 1009B, Fillmore, Track 1, Northbound. Reports no movement northbound.

12-05-2017 8:46:00 PM - Incident# 2942392 (1 lost trip, 246 lost minutes)

T-2 reports smell of burning brakes on train 426 (cars 730, 714, 746), on middle car 714, Del Mar, Track 2, Southbound.

12-06-2017 5:00:00 AM - Incident# 2942469 (0 lost trips, 7 lost minutes)

Reports of ATP failure
Train # 418
T-158
(748A)-743-722
Monrovia Interlocking, Track #1, SB

12-07-2017 3:50:00 PM - Incident# 2943365 (2 lost trips, 509 lost minutes)

T-137 reports speed restriction and prop fault on train 435, Lincoln Cypress Station, Track 2, Southbound.

12-07-2017 7:11:00 PM - Incident# 2943420 (0 lost trips, 15 lost minutes)

T-186 reports multiple door problems on train 404 cars 737-723. Soto Station, Track 2, Southbound.

12-08-2017 5:43:00 PM - Incident# 2943893 (0 lost trips, 12 lost minutes)

Locked up brakes on train 406
T-159
Tk 1 NB Soto station
725-733-718 unknown cars

12-10-2017 5:01:00 PM - Incident# 2944401 (1 lost trip, 335 lost minutes)

Smoking brakes car 714.
Train 407
T-482
Consist 724-714
Indiana station, Track 1 NB

12-11-2017 5:15:00 PM - Incident# 2944871 (1 lost trip, 266 lost minutes)

Propulsion / Dynamic Brakes, cars #714-723 (741) fan circuit breaker open
Train #423
T-009
Del Amr Station, Track #002, Southbound.

12-16-2017 11:55:00 PM - Incident# 2947080 (0 lost trips, 3 lost minutes)

Brake fault on car 705B
Train 411
T-411
Cars (705b),724
NB, Track 1, Civic Center Station

12-18-2017 7:07:00 AM - Incident# 2947459 (1 lost trip, 270 lost minutes)

Car 743B had a prop fault with a speed restriction.
T-124
Train-405
Consist-717(743)747
Southwest Museum Station,Track #1, Northbound.

12-19-2017 8:34:00 AM - Incident# 2947906 (0 lost trips, 4 lost minutes)

Doors, cars #(733-723)
Train #407
T-451
Del Mar Station, Track #002, Southbound.

12-19-2017 1:26:00 PM - Incident# 2948060 (0 lost trips, 6 lost minutes)

No Fault - No Movement, cars #(1012-1007)
Train #403
T-196
Atlantic Station, Track #001, Northbound.

12-19-2017 2:33:00 PM - Incident# 2948092 (1 lost trip, 273 lost minutes)

Doors will not open

12-19-2017 2:37:00 PM - Incident# 2948098 (1 lost trip, 266 lost minutes)

Propulsion fault (1007)1012.
Monrovia Station
Train #455, T-263, Track #001, Northbound.

12-20-2017 6:17:00 AM - Incident# 2948331 (1 lost trip, 266 lost minutes)

T-11 reports no movement on train 405 at Atlantic station.

12-23-2017 5:01:00 PM - Incident# 2949728 (1 lost trip, 224 lost minutes)

(735)-746
Dynamic Brake/Propulsion Fault
NB Arcadia
Train 403
T-388

12-24-2017 11:57:00 AM - Incident# 2949839 (1 lost trip, 228 lost minutes)

Car724 has prop fault with speed restriction
T-248
Train 403
Consist-(724)745
Irwindale Station, Track #2, Southbound

12-24-2017 2:43:00 PM - Incident# 2949881 (1 lost trip, 224 lost minutes)

(723)-740
Recurring Propulsion Fault
NB Arcadia
Train 406
T-540

12-24-2017 3:30:00 PM - Incident# 2949883 (1 lost trip, 224 lost minutes)

(739)-748
TWC Fault - No Cab Signal
SB Monrovia Station
Train 406
T-263

12-26-2017 5:50:00 AM - Incident# 2950233 (1 lost trip, 272 lost minutes)

T-129 reports no movement on train 415.
cars ((1109)-1057-1055)
Major Propulsion fault.

12-26-2017 8:09:00 AM - Incident# 2950271 (1 lost trip, 266 lost minutes)

Friction Brakes, cars #746-741
Train #413
T-018
Atlantic Station, Track #001, Northbound

12-27-2017 11:50:00 AM - Incident# 2950822 (1 lost trip, 266 lost minutes)

Other Vehicle System, Master Controller not working, not responding to any Power requests.
Train 406
T-248
LRV (739B)748
Civic Center Station, Track 1
Southbound

12-27-2017 6:16:00 PM - Incident# 2950946 (1 lost trip, 266 lost minutes)

Friction Brakes (Smoking), cars #(747)-713-737
Train #429
T-304
Arcadia Station, Track #001, Northbound.

12-28-2017 1:53:00 PM - Incident# 2951277 (1 lost trip, 266 lost minutes)

Cars (713B-747) doors will not open.
T-305
Train 402
Cars (713B-747)
Allen Station, Track 1, northbound.

12-29-2017 2:30:00 PM - Incident# 2951718 (1 lost trip, 266 lost minutes)

(1057)-1010
Doors Not Opening
SB Duarte
T-63
Train 432

12-29-2017 6:14:00 PM - Incident# 2951799 (0 lost trips, 10 lost minutes)

(707)-744-746
Doors Not Closing
NB S Pasadena
Train 440
T-283

Wayside Incidents:

12-01-2017 4:54:00 PM - Incident# 2940917 (0 lost trips, 4 lost minutes)

DC Breaker: Open at Soldano B-12, B-13 and Virginia B-14 and B-15 creating de-energized tracks between APU Citrus and Irwindale station.

12-20-2017 6:58:00 AM - Incident# 2948374 (0 lost trips, lost minutes)

OCS damage, Jumper Wire hanging below the Contact Wire., Broken Pantograph.
Train 405
T-11
LRV (715A),719,729
Avenue 61, Track 1
Northbound.

Police & Health Incidents:

12-02-2017 1:15:00 PM - Incident# 2941119 (0 lost trips, 5 lost minutes)

Sick Individual

12-16-2017 3:53:00 PM - Incident# 2947031 (0 lost trips, 5 lost minutes)

Assault onboard train 409 car 750A, Track 1 at Arcadia Station.

12-17-2017 2:00:00 PM - Incident# 2947230 (0 lost trips, 5 lost minutes)

T-151 Reported Trespassers Walking NB From Little Tokyo on the 101 Flyover

12-18-2017 6:20:00 AM - Incident# 2947404 (2 lost trips, 543 lost minutes)

T-128 reports that a vehicle is stuck on the ROW at 3rd St and Ford Blvd.
T-128
Train-406
Consist-736-731
3rd St & Ford Blvd, Track #1 Side

12-18-2017 10:16:00 AM - Incident# 2947494 (0 lost trips, 6 lost minutes)

Weapon Possession
LASD: Cavajal
Atlantic Station (Parking structure and Kaiser building)

12-19-2017 5:35:00 AM - Incident# 2947850 (0 lost trips, 10 lost minutes)

T-146 reports of LASD holding train at APU Citrus Station due to sleeping individual.

12-20-2017 5:26:00 PM - Incident# 2948633 (0 lost trips, 10 lost minutes)

Sick Individual on board train 425
T-154
Cars (745a), 744
NB, Track 1, Arcadia Station
Train 425

12-21-2017 7:31:00 PM - Incident# 2949095 (0 lost trips, 8 lost minutes)

Train delay due to a sick car 710a
Train 454
T-63
Car 710
SB, Track 2, Azusa Citrus Station

12-22-2017 12:39:00 AM - Incident# 2949151 (1 lost trip, 266 lost minutes)

Medical attention requested at Union Station on board train 426.
Train 426
T-421
Cars 733, (723a), 740
NB, Union Station, Track 1

12-22-2017 4:05:00 PM - Incident# 2949491 (0 lost trips, 7 lost minutes)

Patron Was Assaulted on Platform at Union Station

12-22-2017 11:22:00 PM - Incident# 2949549 (0 lost trips, 10 lost minutes)

Hurt individual on train 436.

Other Incidents:

12-07-2017 4:37:00 AM - Incident# 2942895 (1 lost trip, 247 lost minutes)

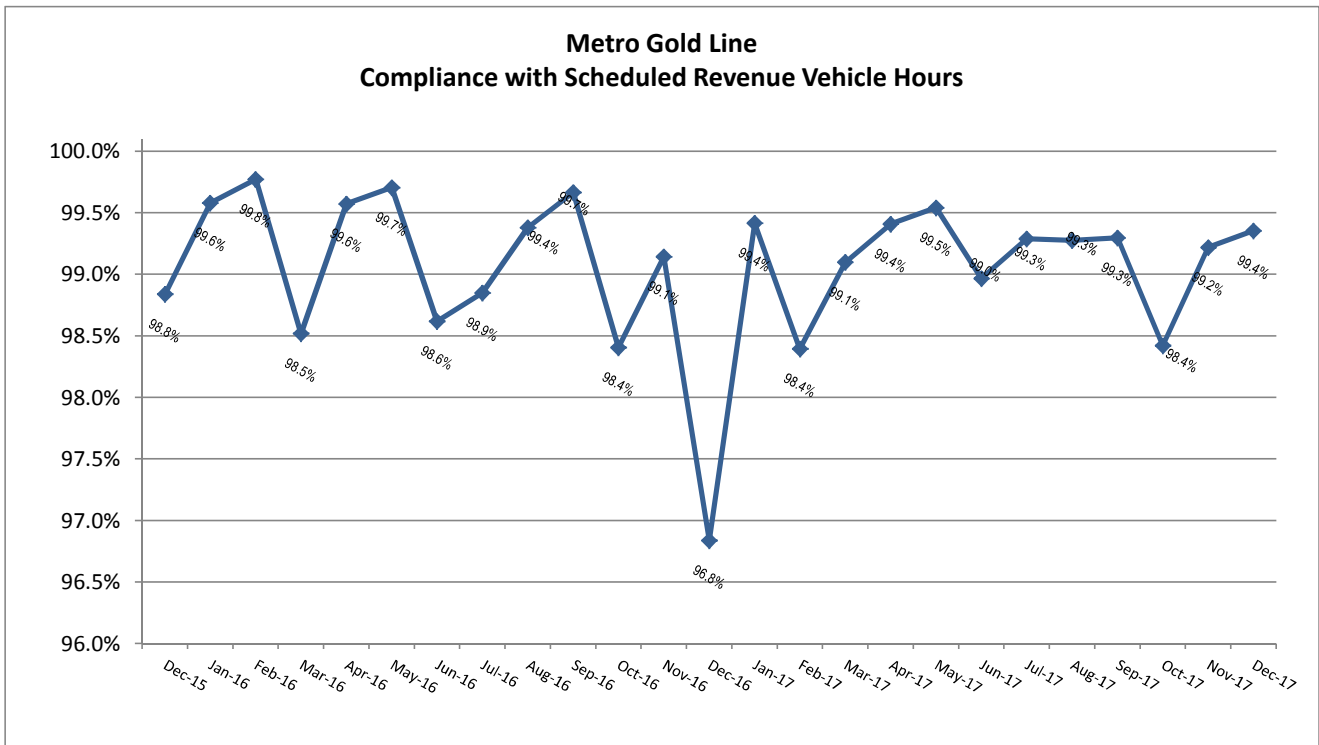
R-161 reports operator 128 fail to sign on time for train 215, NA.

12-12-2017 3:21:00 PM - Incident# 2945326 (1 lost trip, 266 lost minutes)

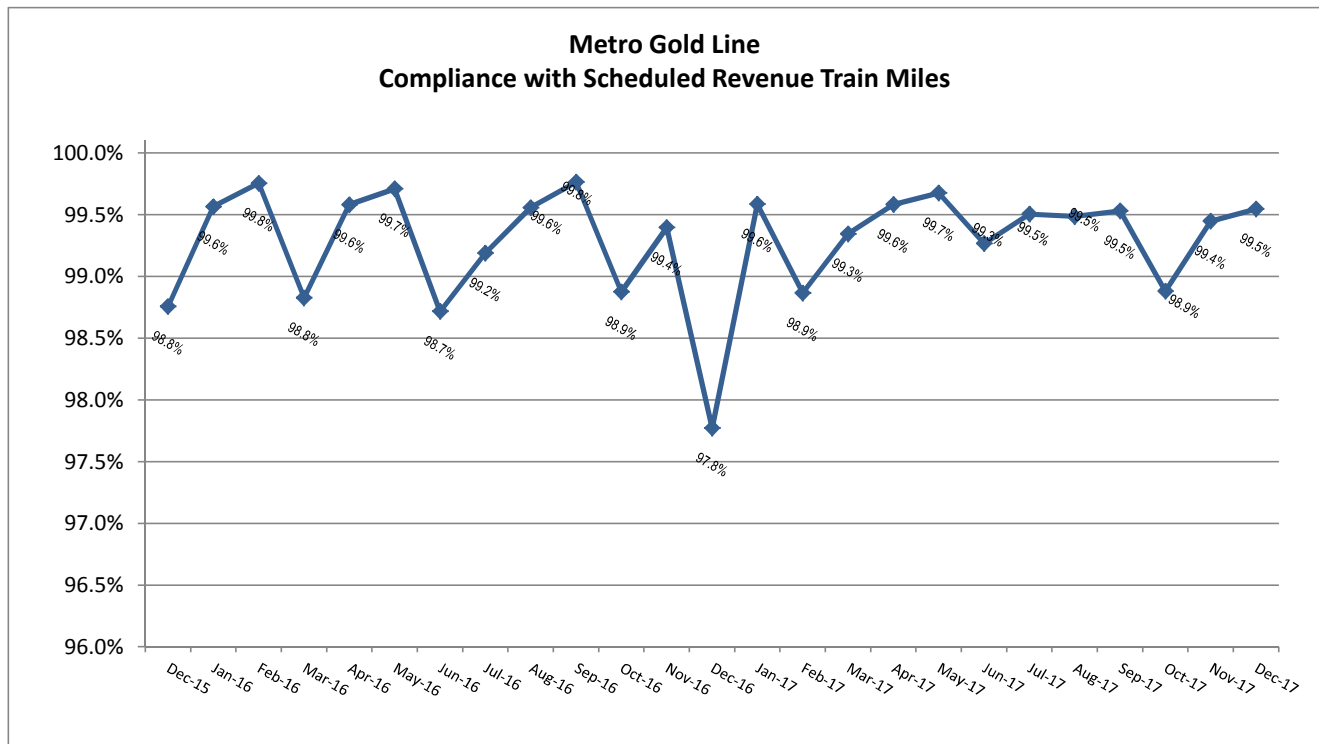
Yard Control reports no equipment for roll out of Train 429 at 1538 hours.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

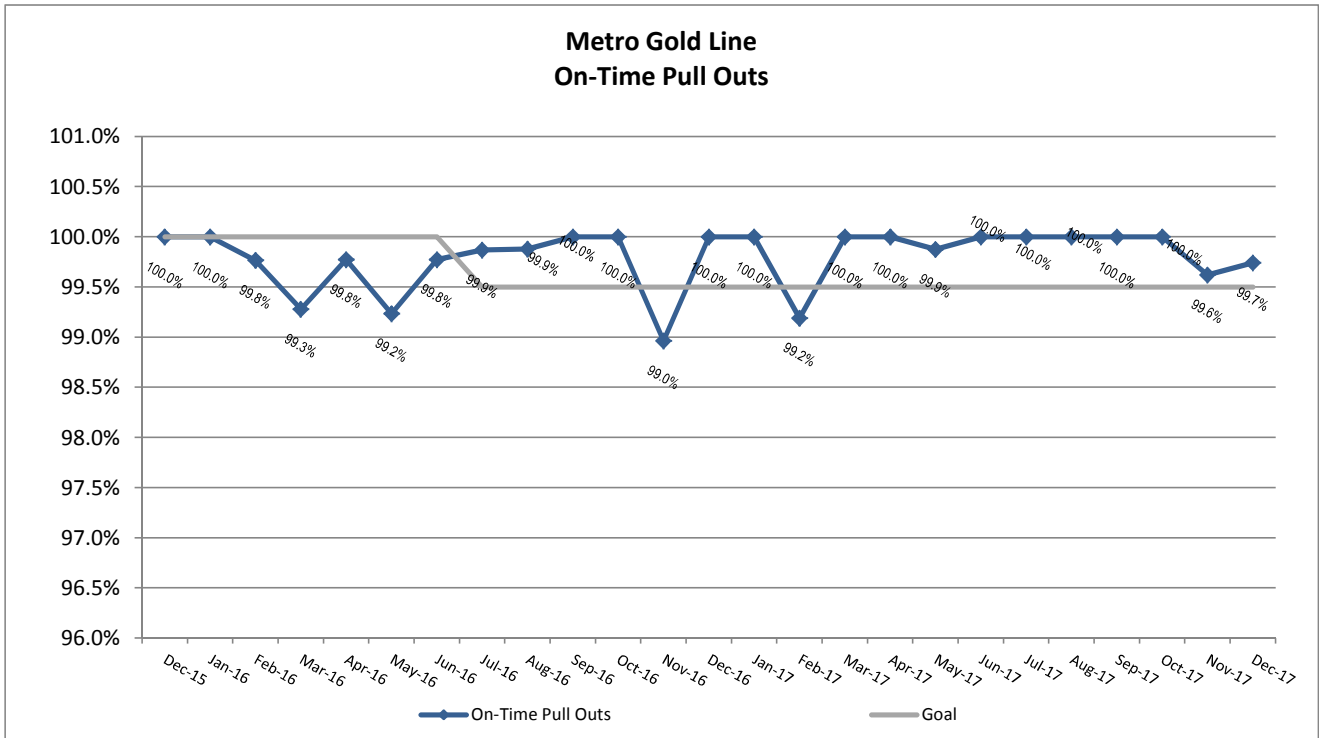
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



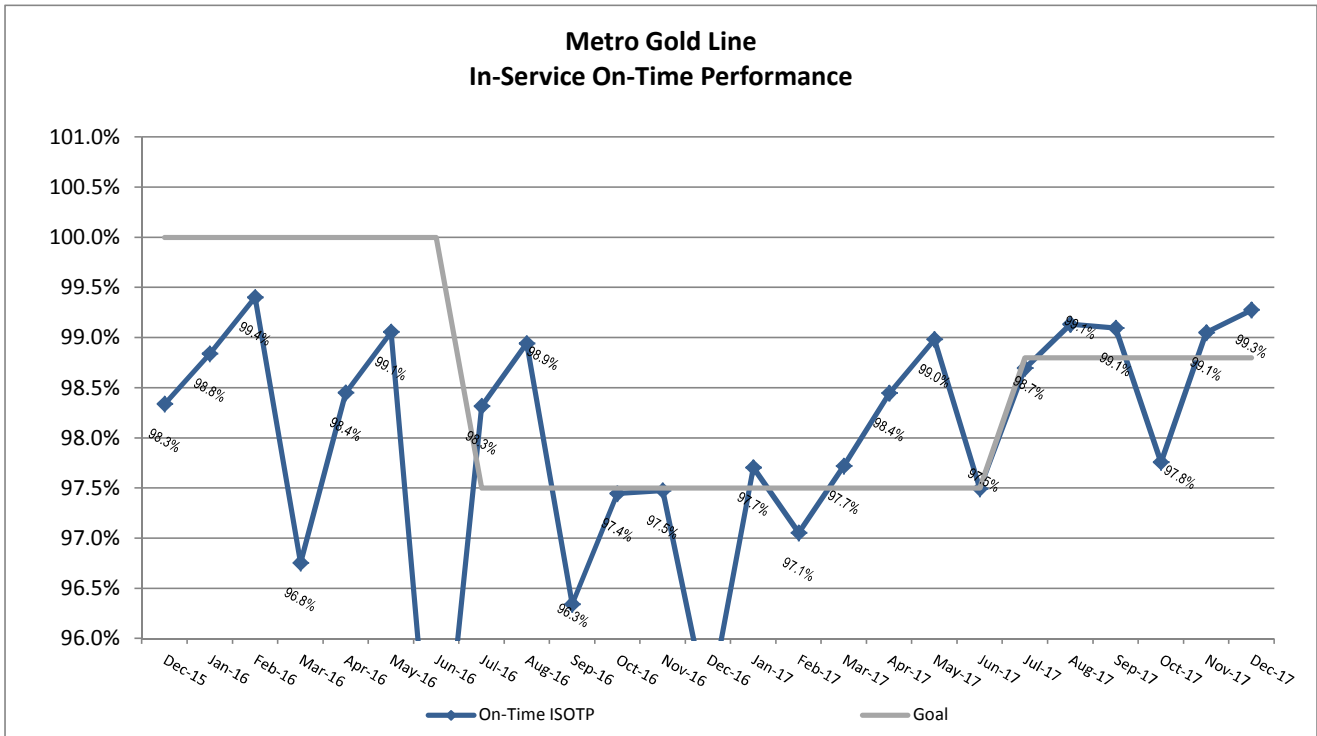
COMPLIANCE WITH SCHEDULED TRAIN MILES



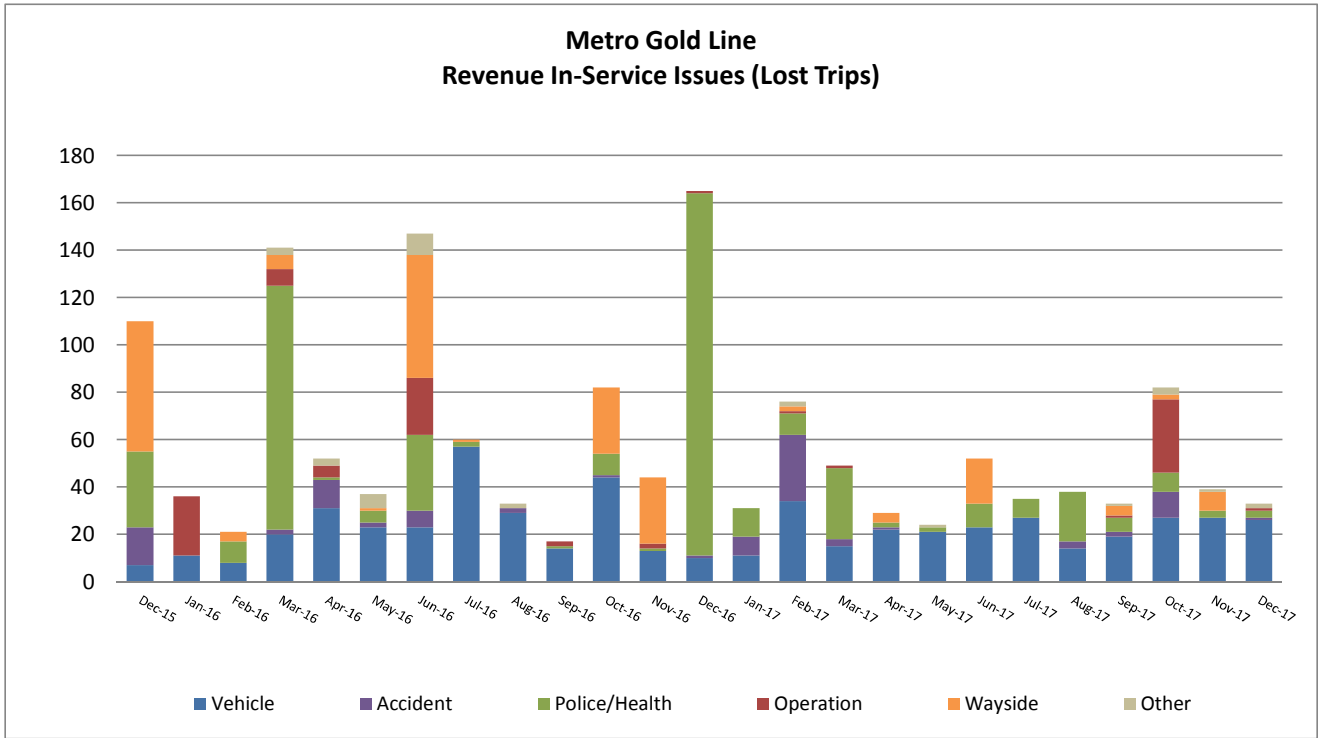
ON-TIME PULL OUTS



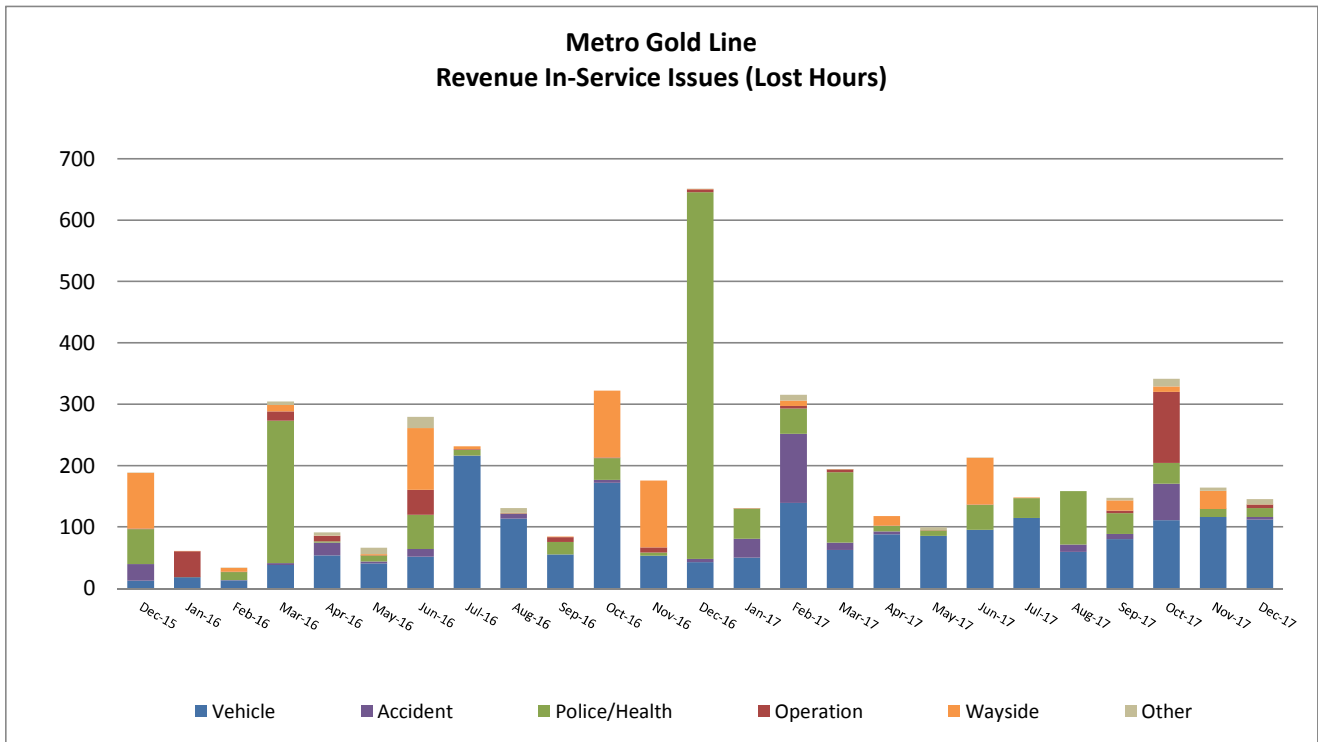
IN-SERVICE ON-TIME PERFORMANCE



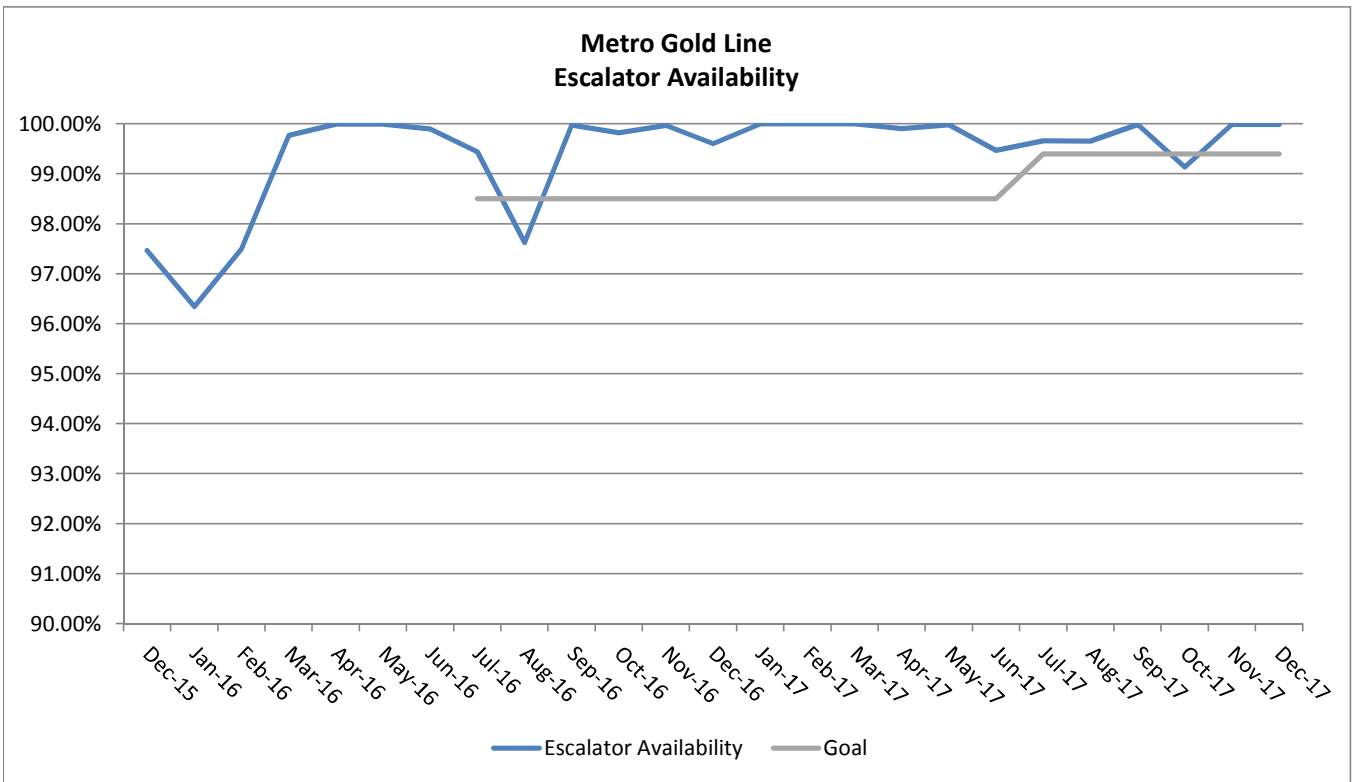
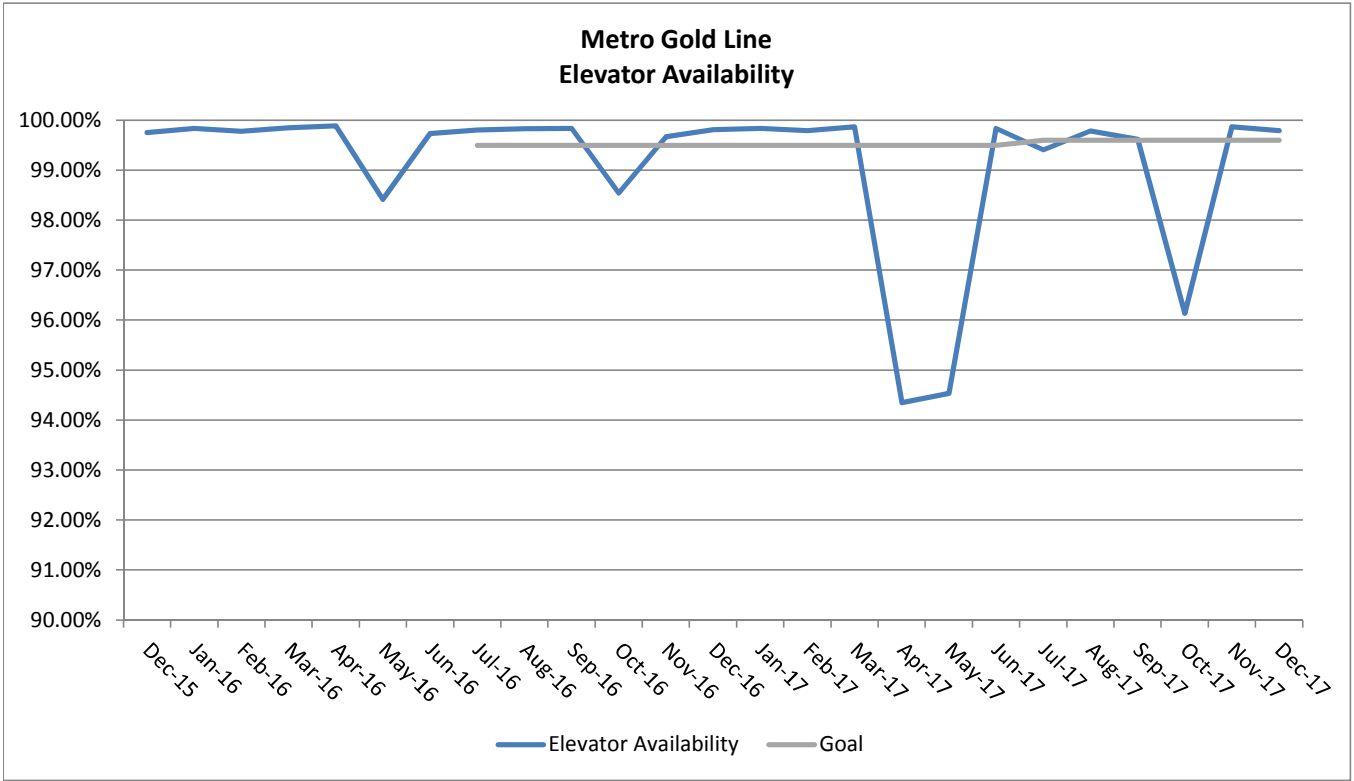
LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY



EXPO LINE

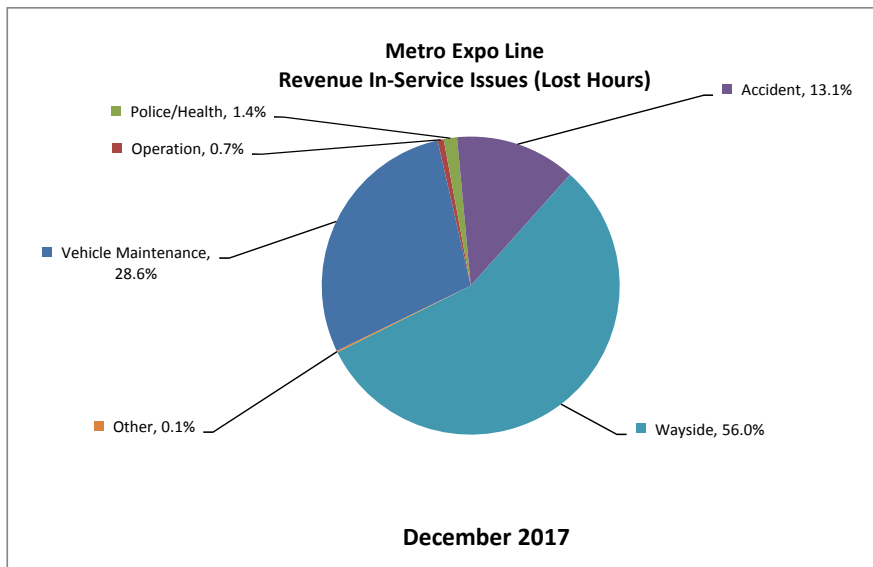
Out of a total of 21,964 hours operated, there were approximately 55 total hours of service delays.

December 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	21,909	99.8%
Cancelled + Delayed Hours	55	0.2%
Total Revenue Hours	21,964	100.0%

Summary of the incidents:	Count	Hours	Percent
Operations	2	0.4	0.7%
Accidents	3	7.1	13.1%
Vehicle Maintenance	12	15.6	28.6%
Wayside	1	30.6	56.0%
Police & Health	3	0.8	1.4%
Other	1	0.1	0.1%
Total	22	54.5	100.0%

* 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



December 2017 Expo Line incidents causing delay were as follows:

Operations Incidents:

12-12-2017 5:46:00 PM - Incident# 2945418 (0 lost trips, 9 lost minutes)

Out Late
Train 668
T-373
(1028)-1016-1068
Southbound, track 1 7th Metro Center.

12-13-2017 6:07:00 PM - Incident# 2945863 (0 lost trips, 13 lost minutes)

Expo Trains 654, 671, 655 ,672 ,656, 651, 665 have been late from 7th / Metro due to Schedule Summary M-27.

Accidents:

12-02-2017 10:48:00 PM - Incident# 2941231 (1 lost trip, 141 lost minutes)

10-73 , Accident at the intersection of Exposition Blvd. & Raymond Ave. Cars #(1017)-1040-1031.

12-29-2017 11:35:00 AM - Incident# 2951626 (1 lost trip, 146 lost minutes)

Accident: Shopping cart, cars #(1017AA)-1065-1042
Train #653
T-238
Barrington grade crossing, Track #003, Northbound.

12-31-2017 6:44:00 PM - Incident# 2952197 (1 lost trip, 141 lost minutes)

Auto vs. Train Flower and 18th.
T-323
Train 907
(1076A)-1091-1075
TK 2 Flower/18th St. S/B

Vehicle Maintenance Incidents:

12-01-2017 7:13:00 AM - Incident# 2940651 (0 lost trips, 10 lost minutes)

Operator T-133 reports dark screen no movement.

12-02-2017 7:04:00 PM - Incident# 2941204 (0 lost trips, 12 lost minutes)

Emergency Brake Applications with no movement.
Train #651
T-489
Cars #1050-(1023-A)-1070
S/Bound Lincoln Blvd. Track-4.

12-07-2017 7:25:00 AM - Incident# 2943086 (0 lost trips, 8 lost minutes)

Doors self open
Train 6703
southbound
26th st
(301B)-236-233
T-47
Track 4
doors 7/8

12-08-2017 8:57:00 AM - Incident# 2943663 (0 lost trips, 17 lost minutes)

Operator reports of a propulsion fault with a speed restriction.
Train 605
T-323
(246A)239-245
Motorman's Platform, Trk. 3, Northbound

12-10-2017 12:34:00 AM - Incident# 2944237 (0 lost trips, 10 lost minutes)

Operator T-139 reports self applied brakes.

12-10-2017 10:01:00 AM - Incident# 2944306 (0 lost trips, 13 lost minutes)

Train 901 reporting that train will not move faster than 5mph departing 7th & Metro Station.
Train 901
T-188
LRV'S 1097-1074-1098
7th & Metro Station, track 1, southbound.

12-14-2017 4:37:00 PM - Incident# 2947533 (1 lost trip, 141 lost minutes)

Recurring propulsion fault no movement
Train #655 T-358 car#1041-1043-1027
southbound at Metro Center.

12-15-2017 7:13:00 AM - Incident# 2946523 (0 lost trips, 7 lost minutes)

Train 663 reports no movement in the Portal (7th/Metro).
Train 663
T-62
Cars 1032-1021-1054
Southbound, Track 2, Portal (7th/Metro)

12-23-2017 8:55:00 AM - Incident# 2949621 (1 lost trip, 141 lost minutes)

Train 656 reports no cab signal at Relief Platform on track 3
Cars 1045B with 1046 1003
Operator T-157

12-24-2017 4:45:00 PM - Incident# 2949897 (0 lost trips, 8 lost minutes)

Doors 1/2 cut out on car 1046 A.
T-265
Train 655
(1046)-1003-1052
Track 3 Jefferson N/B

12-28-2017 8:29:00 AM - Incident# 2951140 (1 lost trip, 141 lost minutes)

HSCB fault on train 653 at 7th and Metro station.
CAr 1046B with 1003 1052
Operator T-489

12-29-2017 4:06:00 PM - Incident# 2951759 (3 lost trips, 429 lost minutes)

Unable to close doors on car (1048A doors 7/8).
Train # 668
T-268
USC/Expo track #4, southbound
1051 1045 (1048A)

Wayside Incidents:

12-14-2017 6:02:00 PM - Incident# 2946338 (13 lost trips, 1,833 lost minutes)

AC breaker tripped at Cloverfield
BO12, BO13 @ 17th St.TPSS
BO14,BO15 @ Barrington TPSS

Police & Health Incidents:

12-04-2017 7:45:00 PM - Incident# 2941931 (0 lost trips, 12 lost minutes)

Trespasser La Brea on Track 4.

12-09-2017 1:47:00 AM - Incident# 2943958 (0 lost trips, 20 lost minutes)

Train 669, T-509 reports a fight in progress onboard car 1014B. Train holding at Vermont Station track 4.

12-09-2017 8:27:00 PM - Incident# 2944193 (0 lost trips, 15 lost minutes)

Altercations aboard train
Train #657, T-449
1050-1020-(1066B)
NB, 26th St. Station, Track #3

Other Incidents:

12-08-2017 3:50:00 PM - Incident# 2943856 (0 lost trips, 5 lost minutes)

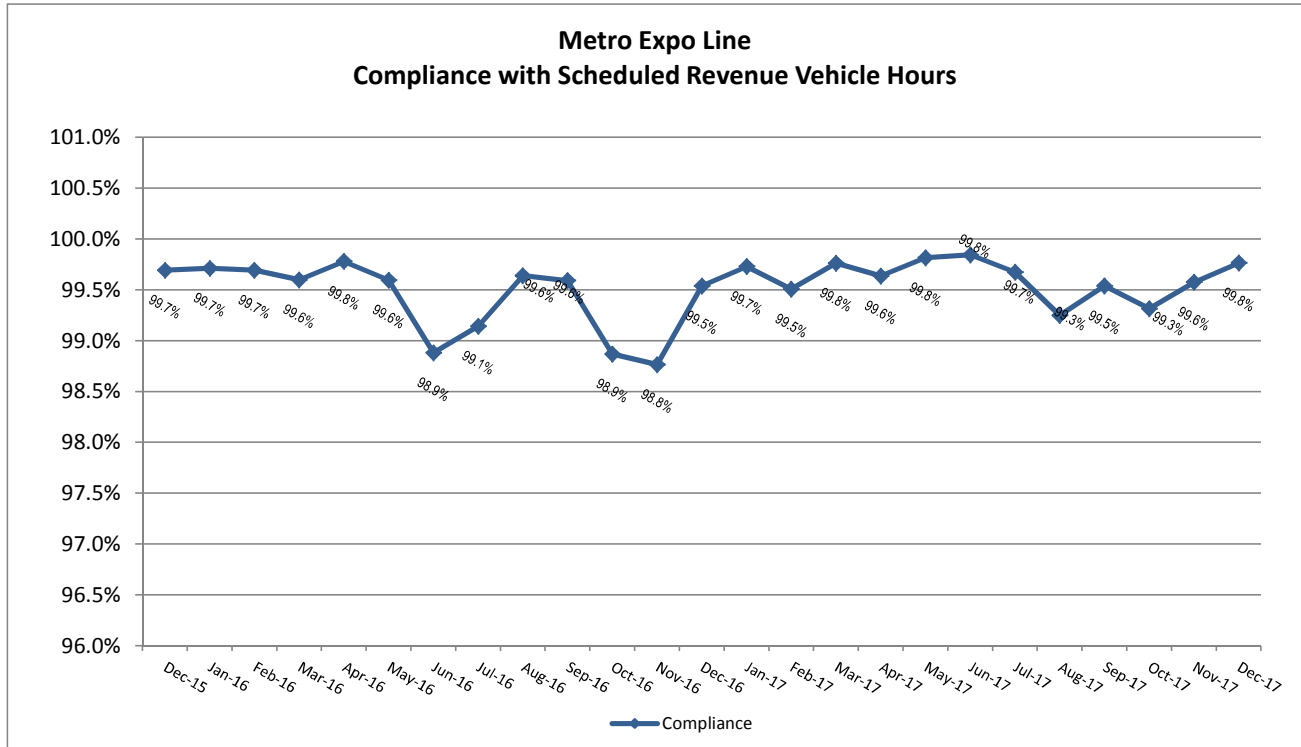
All Expo-Trains are suspending HVAC operations between,Crenshaw and Western,also restricted speed between Arlington and 11th Ave-tracks 3&4. A building/ structural fire caused the restrictions.

12-10-2017 4:28:00 AM - Incident# 2944256 (0 lost trips, lost minutes)

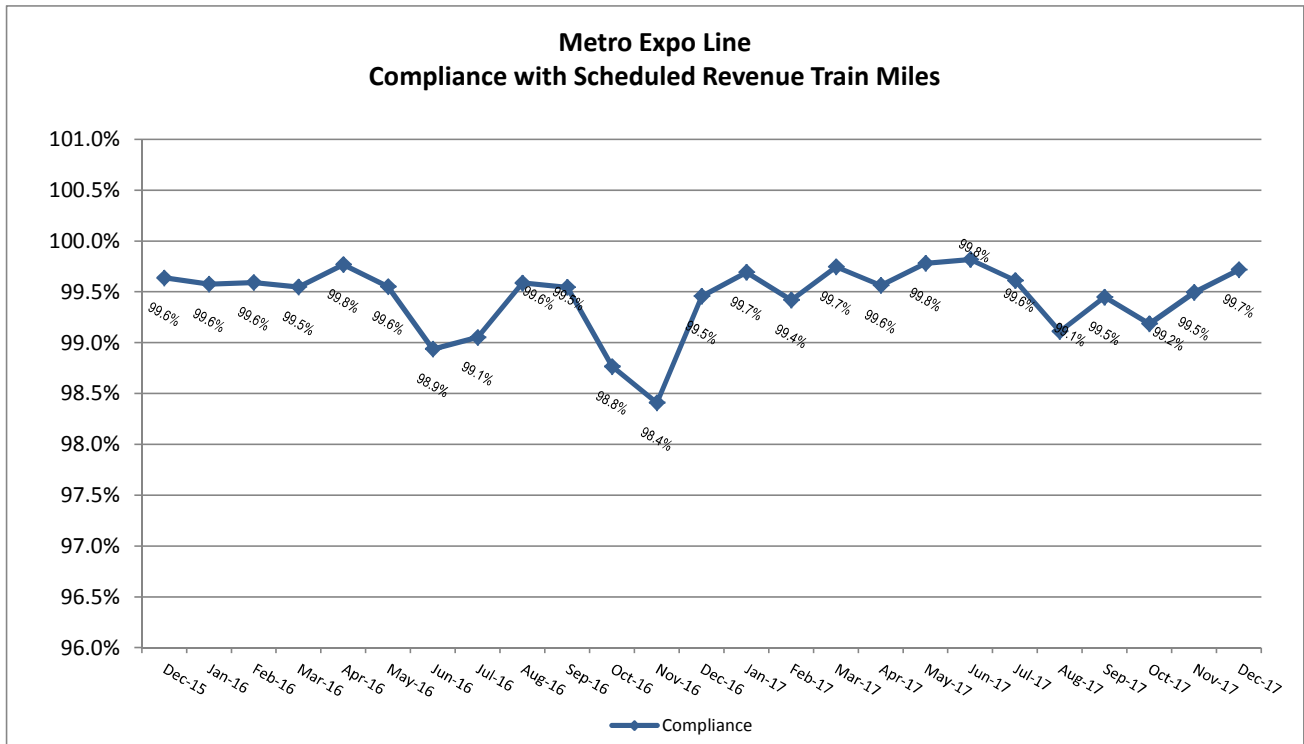
Train 655 pulled out 15 minutes late due to yard controllers error.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

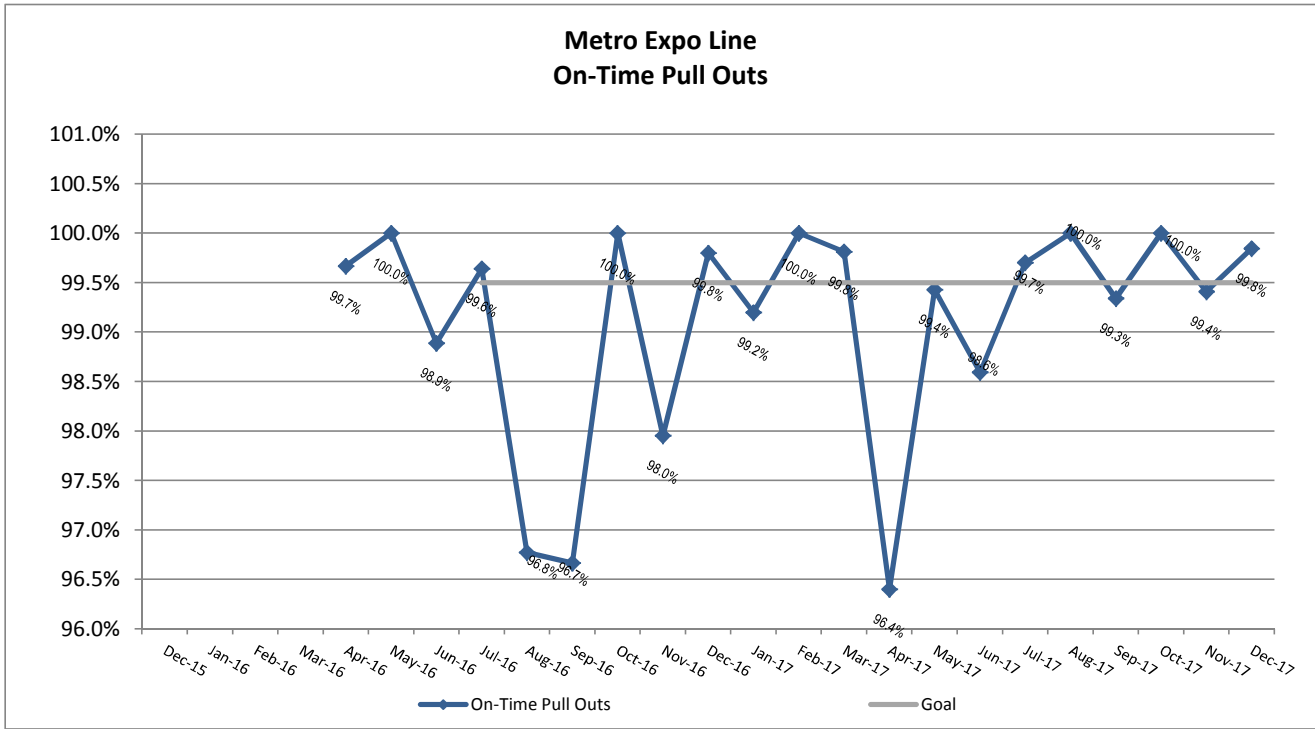
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



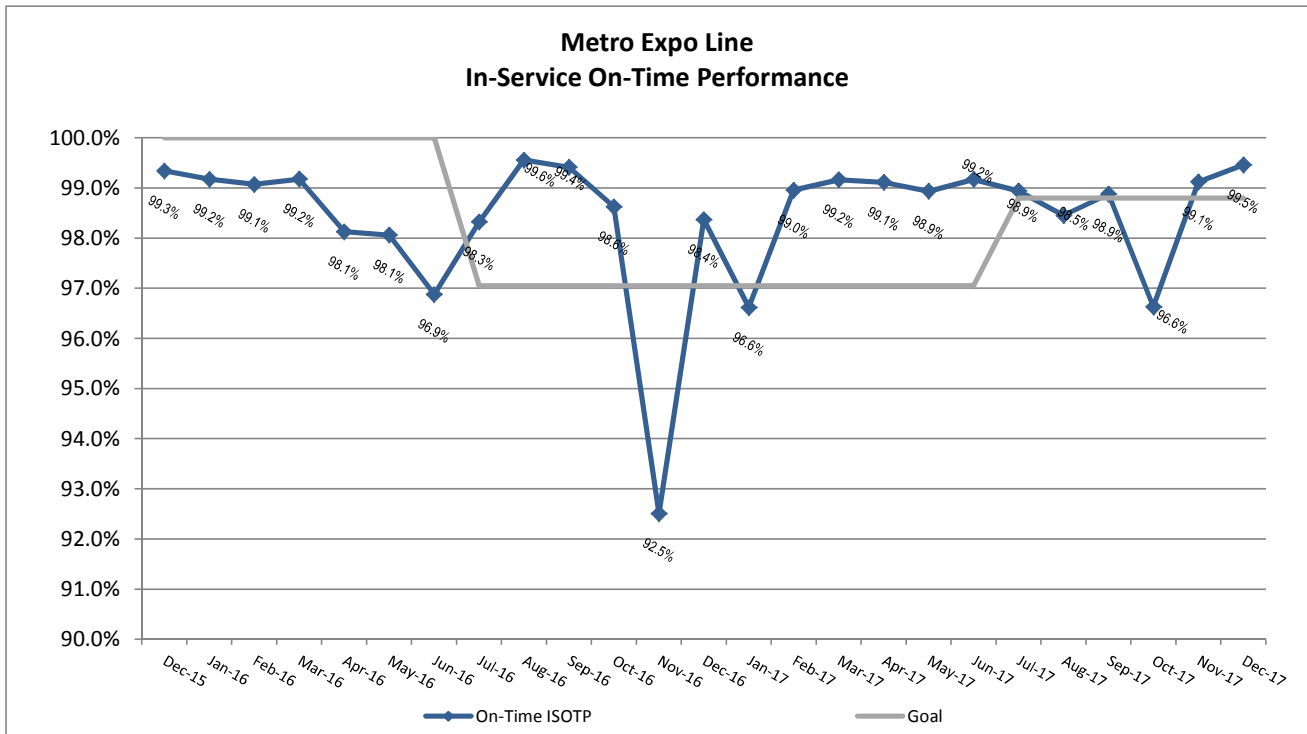
COMPLIANCE WITH SCHEDULED TRAIN MILES



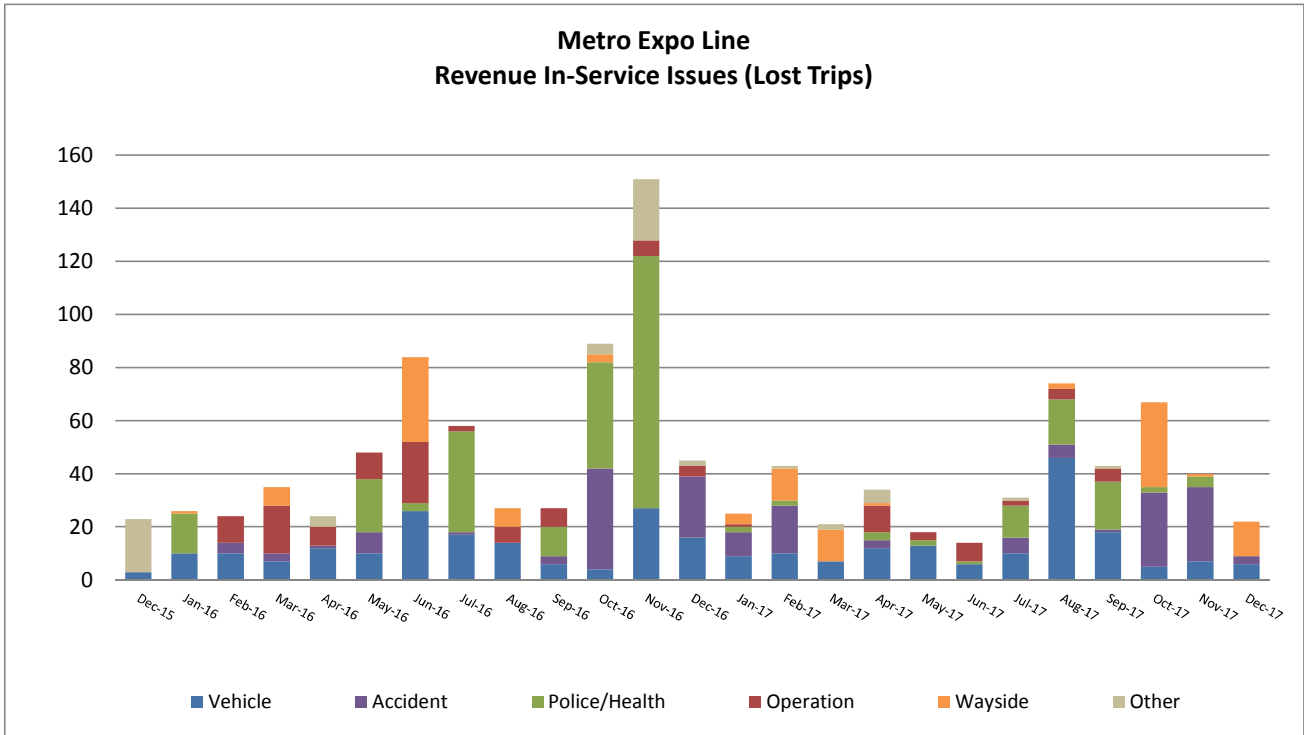
ON-TIME PULL OUTS



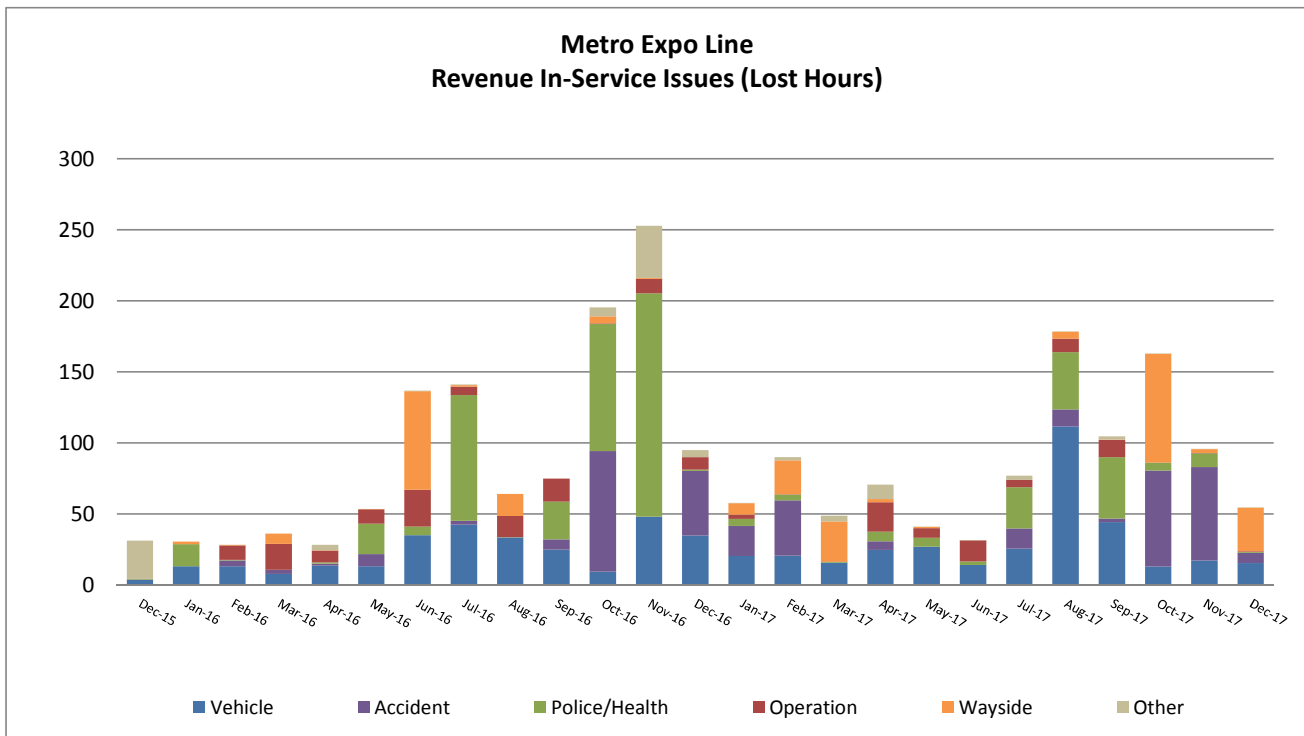
IN-SERVICE ON-TIME PERFORMANCE



LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY

