

Los Angeles County
Metropolitan Transportation Authority
California

OPERATIONS MONTHLY RAIL PERFORMANCE REPORT

MAY 2017



M Metro

Photo: Metro Rail Authority

METRO RAIL PERFORMANCE – MAY 2017

Contents	Page
Systemwide Performance	
Rail Scorecard	3
Rail Mean Miles Between Major Failure by Vehicle Type	5
Fleet Distribution Report	10
Vehicle Availability by Division	11
Cleanliness	12
Lost Revenue Vehicle Hours by Category, by Division	13
Rail Service Performance	16
Workers Comp Claims	21
Lost Work Days	22
Vertical Transportation - Systemwide	23
Blue Line Performance	
Performance Summary	24
Major Incident Detail	25
Performance Charts	32
Red / Purple Line Performance	
Performance Summary	36
Major Incident Detail	37
Performance Charts	40
Green Line Performance	
Performance Summary	44
Major Incident Detail	45
Performance Charts	48
Gold Line Performance	
Performance Summary	52
Major Incident Detail	53
Performance Charts	56
Expo Line Performance	
Performance Summary	60
Major Incident Detail	61
Performance Charts	64

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 2014	FY 2015	FY 2016	FY 2017 Target	FY 2017 YTD	FYTD Status	Mar Month	Apr Month	May Month
Systemwide									
On-Time Pullouts	99.55%	99.67%	99.63%	99.50%	99.63%	●	99.77%	99.29%	99.83%
Mean Miles Between Chargeable Mechanical Failures	28,829	34,524	30,482	27,911	29,597	●	29,637	29,112	35,775
In-Service On-time Performance	97.92%	98.39%	98.10%	98.00%	98.21%	●	98.28%	98.48%	98.89%
Service Delivery Ratio	99.12%	99.35%	99.22%	99.25%	99.22%	●	99.27%	99.23%	99.55%
Traffic Accidents Per 100,000 Train Miles	1.47	1.18	1.17	N/A	1.02	N/A	0.65	1.10	0.39
CPUC Reportable Accidents per 100,000 Train Miles	0.10	0.43	0.60	0.67	0.37	●	0.39	0.14	0.13
Passenger Accidents per 100,000 Boardings	0.025	0.013	0.016	0.009	0.024	●	0.071	0.000	0.021
Complaints per 100,000 Boardings	0.91	0.78	1.43	1.12	2.00	●	2.36	1.75	1.95
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ^{1,2}	15.35	11.11	10.97	10.42	12.85	●	17.47	11.98	13.43
Lost Work Days per 200,000 Exposure Hours ^{1,2}	861	880	482	458.16	720	●	639	607	-
OSHA Injuries per 200,000 Exposure Hours ^{1,2}	8.18	6.68	6.32	6.00	9.08	●	10.11	9.99	-
Wayside									
Overdue Work Orders (Non-PMP) - Aging of Outstanding Work Orders	61	135	609	N/A	2,092	N/A	254	350	594
Past-Due Preventive Maintenance - Aging of Outstanding Work Orders	0	1	25	N/A	269	N/A	57	76	
% of Completed Inspections	99.41%	99.51%	99.57%	N/A	99.63%	N/A	99.33%	99.67%	100.00%
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	9.28	9.07	4.77	4.53	4.74	●	7.50	0.00	8.09
Lost Work Days per 200,000 Exposure Hours ¹	179	309	148	141	167	●	120	329	-
OSHA Injuries per 200,000 Exposure Hours ¹	6.31	8.28	4.40	4.18	4.01	●	3.75	0.00	-
Blue Line									
On-Time Pullouts	99.37%	99.41%	99.59%	99.50%	99.65%	●	100.00%	99.70%	99.86%
Mean Miles Between Chargeable Mechanical Failures	18,731	23,716	19,240	19,572	15,563	●	10,647	14,849	17,208
In-Service On-time Performance	95.84%	97.28%	96.10%	97.00%	96.36%	●	96.44%	95.90%	97.17%
Service Delivery Ratio	98.36%	98.88%	98.41%	98.46%	98.52%	●	98.82%	97.84%	98.96%
Traffic Accidents Per 100,000 Train Miles	2.97	2.48	2.38	N/A	2.03	N/A	0.64	2.69	0.65
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.89	1.39	1.34	0.72	●	0.64	0.67	0.00
Passenger Accidents per 100,000 Boardings	0.058	0.034	0.016	0.006	0.050	●	0.202	0.000	0.055
Complaints per 100,000 Boardings	1.10	0.90	1.33	1.09	1.69	●	2.07	2.04	1.65
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	17.46	15.10	15.08	15.58	17.75	●	25.08	21.85	10.57
Lost Work Days per 200,000 Exposure Hours ¹	990	1,622	797	786	832	●	730	89	-
OSHA Injuries per 200,000 Exposure Hours ¹	5.71	10.64	6.79	9.58	11.42	●	10.03	16.39	-

¹ There is a One Month lag in reporting this data

² Includes Operations, RFS and Wayside

● 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 2014	FY 2015	FY 2016	FY 2017 Target	FY 2017 YTD	FYTD Status	Mar Month	Apr Month	May Month
Red Line									
On-Time Pullouts	99.72%	99.91%	99.79%	99.50%	99.98%	●	99.80%	100.00%	100.00%
Mean Miles Between Chargeable Mechanical	63,099	85,090	94,312	112,652	107,121	●	145,093	96,997	76,706
In-Service On-time Performance	98.91%	99.13%	99.45%	99.50%	99.40%	●	99.11%	99.42%	99.60%
Service Delivery Ratio	99.57%	99.60%	99.71%	99.71%	99.72%	●	99.35%	99.69%	99.77%
Traffic Accidents Per 100,000 Train Miles	1.01	0.47	0.75	N/A	0.62	N/A	0.00	0.87	0.00
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.07	0.07	0.60	0.15	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.006	0.002	0.002	0.003	0.005	●	0.025	0.000	0.000
Complaints per 100,000 Boardings	0.60	0.54	0.57	0.56	1.16	●	1.93	1.47	1.43
New Workers' Compensation Indemnity Claims per	20.22	6.20	16.43	13.29	13.87	●	22.47	11.25	16.04
*Lost Work Days per 200,000 Exposure Hours	927	649	526	556	994	●	762	751	-
*OSHA Injuries per 200,000 Exposure Hours	11.79	3.54	7.99	6.55	8.53	●	0.00	16.88	-

Green Line									
On-Time Pullouts	99.69%	99.32%	99.49%	99.50%	99.68%	●	98.89%	100.00%	100.00%
Mean Miles Between Chargeable Mechanical Failures	19,513	21,054	19,238	19,911	16,181	●	16,863	14,907	21,450
In-Service On-time Performance	97.85%	97.39%	98.52%	98.20%	98.64%	●	98.52%	99.06%	99.48%
Service Delivery Ratio	99.57%	99.50%	99.59%	99.62%	99.61%	●	99.50%	99.71%	99.70%
Traffic Accidents Per 100,000 Train Miles	0.49	0.21	0.42	N/A	0.53	N/A	0.00	0.84	0.79
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.07	0.07	0.18	0.00	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.023	0.024	0.034	0.011	0.042	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	1.15	0.88	1.53	1.30	2.11	●	2.76	2.14	1.69
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	16.51	7.32	7.18	9.27	8.18	●	8.92	9.86	0.00
*Lost Work Days per 200,000 Exposure Hours	1,299	479	228	195	680	●	268	373	-
*OSHA Injuries per 200,000 Exposure Hours	11.30	4.07	3.19	2.34	5.02	●	8.92	0.00	-

Gold Line									
On-Time Pullouts	99.56%	99.98%	99.68%	99.50%	99.80%	●	100.00%	100.00%	99.88%
Mean Miles Between Chargeable Mechanical Failures	45,894	44,171	40,426	51,665	38,117	●	53,570	29,660	60,292
In-Service On-time Performance	98.03%	98.56%	97.60%	97.50%	97.62%	●	97.72%	98.45%	98.98%
Service Delivery Ratio	99.03%	99.34%	99.11%	99.16%	98.88%	●	99.06%	99.38%	99.52%
Traffic Accidents Per 100,000 Train Miles	1.03	1.14	0.99	N/A	0.62	N/A	0.83	0.45	0.42
CPUC Reportable Accidents per 100,000 Train Miles	0.00	0.30	0.60	0.50	0.27	●	0.83	0.00	0.42
Passenger Accidents per 100,000 Boardings	0.052	0.007	0.039	0.035	0.033	●	0.141	0.000	0.071
Complaints per 100,000 Boardings	1.04	1.01	2.73	2.26	2.84	●	3.89	1.74	3.47
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours	14.98	15.96	11.87	12.20	15.57	●	26.14	5.83	21.73
*Lost Work Days per 200,000 Exposure Hours	1,460	1,068	766	808	1,112	●	1,039	1,029	-
*OSHA Injuries per 200,000 Exposure Hours	9.12	3.83	9.29	10.07	9.96	●	20.92	5.83	-

Expo Line									
On-Time Pullouts	-	-	99.53%	99.50%	98.78%	●	99.81%	96.40%	99.43%
Mean Miles Between Chargeable Mechanical Failures	-	-	18,114	19,572	31,898	●	110,378	62,795	47,150
In-Service On-time Performance	98.70%	99.14%	98.61%	97.05%	98.43%	●	99.16%	99.11%	98.94%
Service Delivery Ratio	99.45%	99.64%	99.56%	99.65%	99.43%	●	99.75%	99.62%	99.79%
Traffic Accidents Per 100,000 Train Miles	1.17	1.02	0.74	N/A	1.38	N/A	1.52	0.83	0.00
CPUC Reportable Accidents per 100,000 Train Miles	1.17	1.02	0.50	0.37	0.69	●	0.00	0.00	0.00
Passenger Accidents per 100,000 Boardings	0.000	0.000	0.019	0.000	0.019	●	0.000	0.000	0.000
Complaints per 100,000 Boardings	1.53	1.13	3.38	1.87	3.81	●	2.22	1.86	2.32
New Workers' Compensation Indemnity Claims per	-	24.97	8.44	0.00	21.06	●	14.26	31.36	22.81
*Lost Work Days per 200,000 Exposure Hours	-	937	73	0	803	●	1,096	1,292	-
*OSHA Injuries per 200,000 Exposure Hours	-	-	5.63	0.00	19.27	●	21.39	23.52	-

* There is One Month lag in reporting this data

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

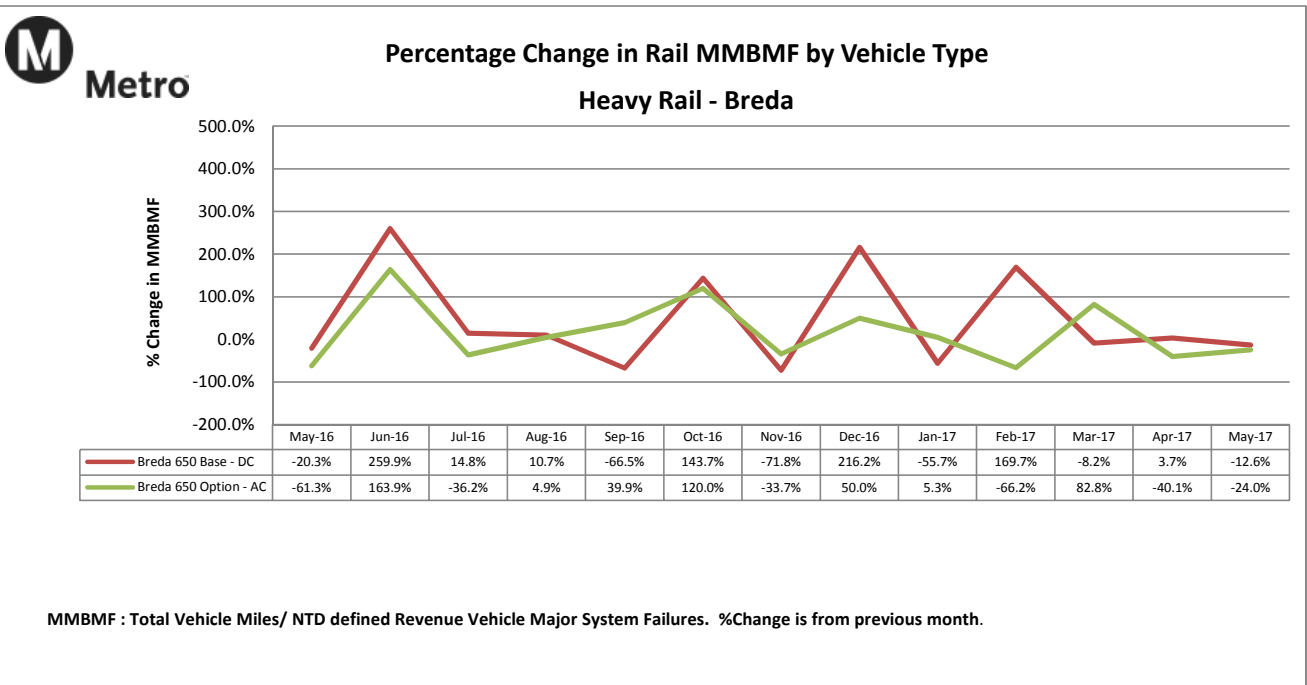
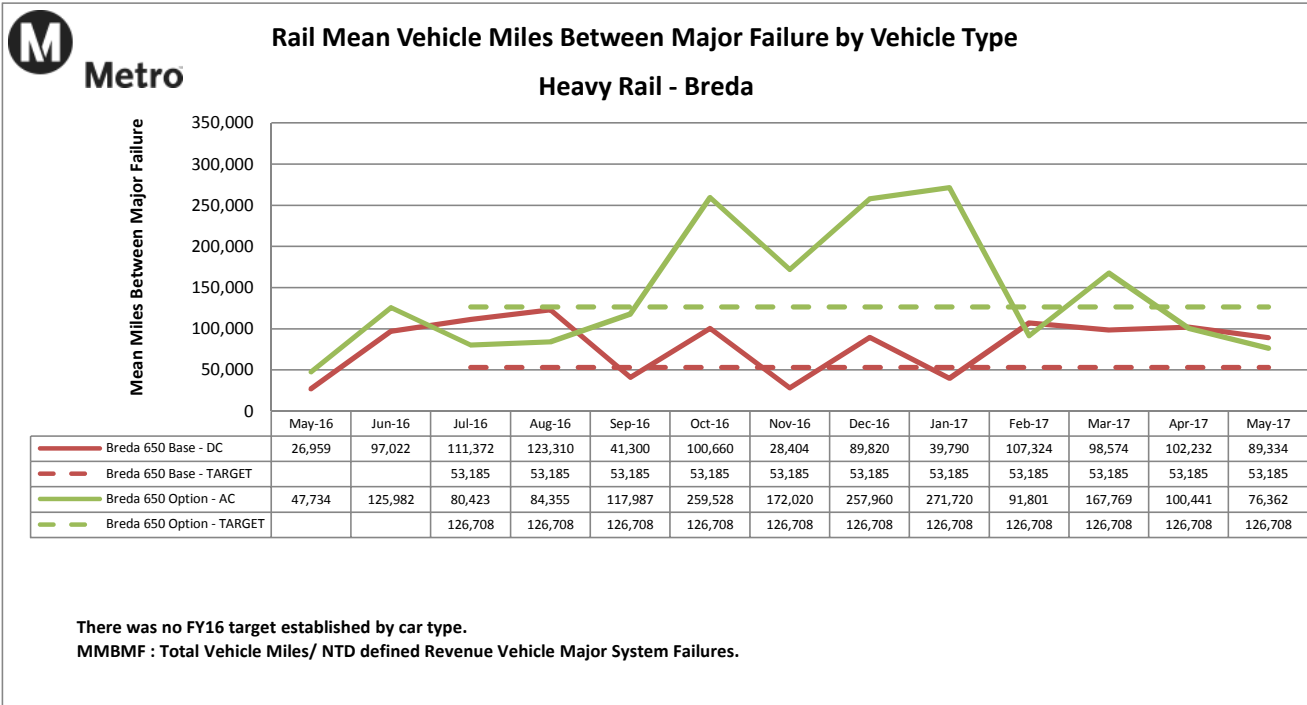
● Yellow - Uncertain if the target will be achieved -- slight problems, delays or management issues. Falls below Target 70 - 99%.

● 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 – MAY 2017

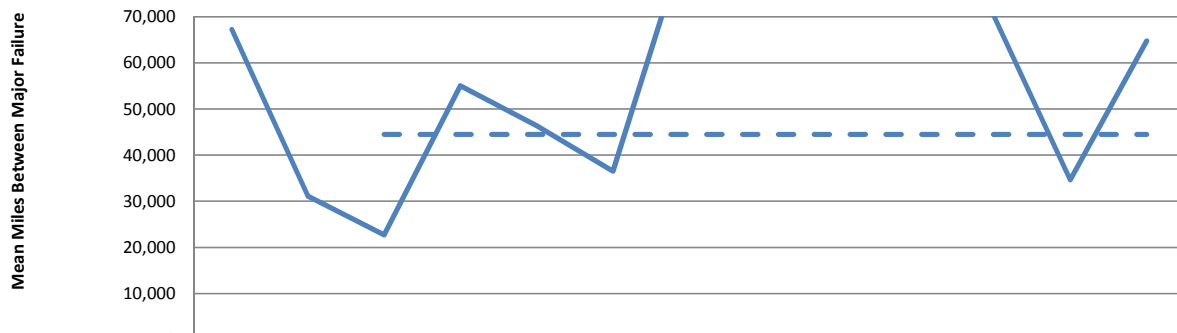
Rail Performance by Vehicle Type





Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

Light Rail - Breda



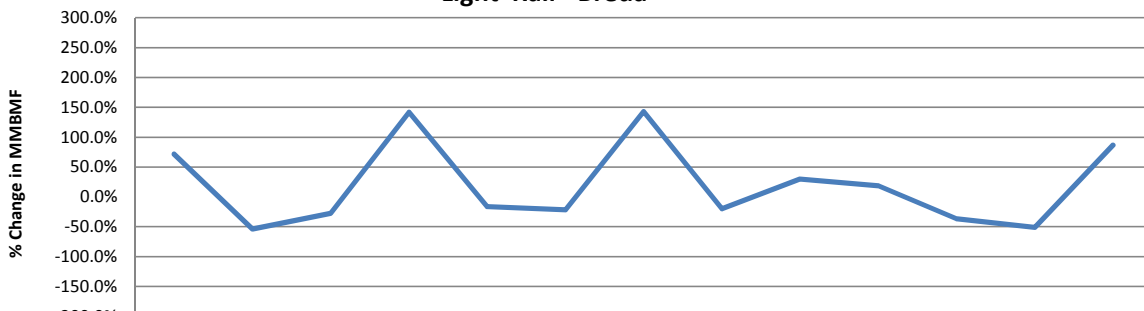
	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
— AnsaldoBreda 2550 Base - AC	67,279	31,159	22,741	55,074	46,395	36,556	88,934	71,550	92,980	110,322	70,117	34,678	64,769
- - AnsaldoBreda 2550 Base - TARGET			44,517	44,517	44,517	44,517	44,517	44,517	44,517	44,517	44,517	44,517	44,517

There was no FY16 target established by car type.
 MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Percentage Change in Rail MMBMF by Vehicle Type

Light Rail - Breda



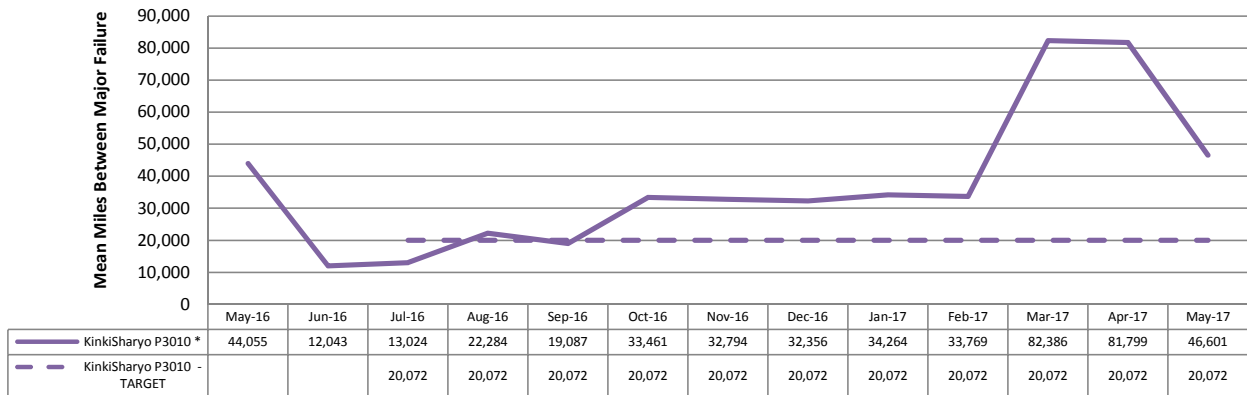
	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
— AnsaldoBreda 2550 Base - AC	71.7%	-53.7%	-27.0%	142.2%	-15.8%	-21.2%	143.3%	-19.5%	30.0%	18.7%	-36.4%	-50.5%	86.8%

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



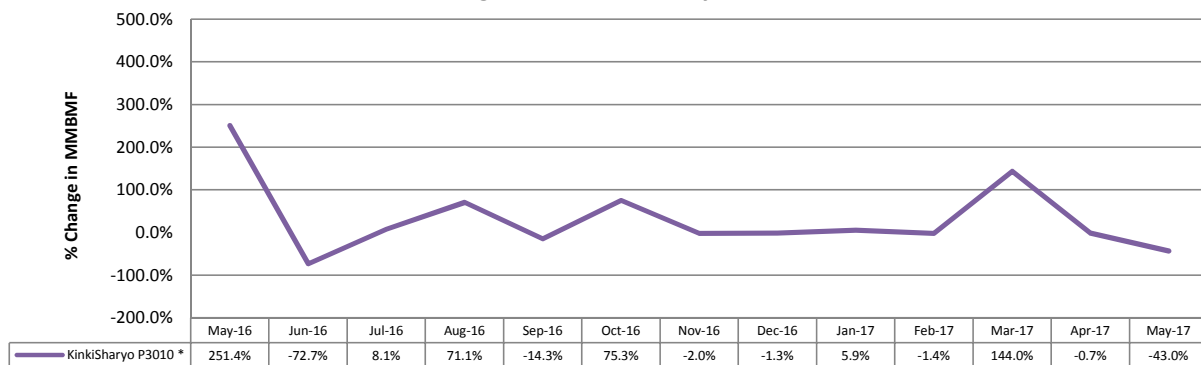
There was no FY16 target established by car type.

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.

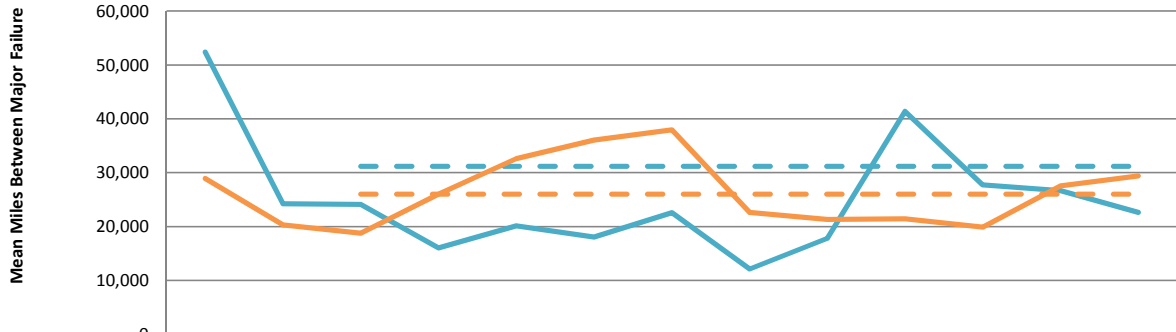
* KinkiSharyo rolling stock began service March 2016



Metro

Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

Light Rail - NipponSharyo



	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Nippon Sharyo 2020 - DC	52,426	24,256	24,134	16,076	20,161	18,085	22,626	12,147	17,872	41,450	27,775	26,695	22,633
Nippon Sharyo 2020 - TARGET			31,214	31,214	31,214	31,214	31,214	31,214	31,214	31,214	31,214	31,214	31,214
Nippon Sharyo 865 - DC	28,981	20,341	18,786	26,073	32,617	36,102	37,961	22,672	21,350	21,490	19,955	27,593	29,422
Nippon Sharyo 865 - TARGET			26,062	26,062	26,062	26,062	26,062	26,062	26,062	26,062	26,062	26,062	26,062

There was no FY16 target established by car type.

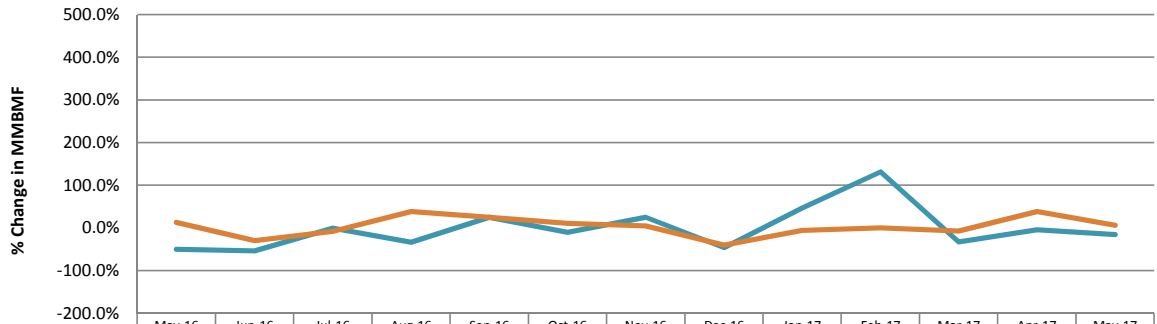
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Metro

Percentage Change in Rail MMBMF by Vehicle Type

Light Rail - NipponSharyo



	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Nippon Sharyo 2020 - DC	-50.1%	-53.7%	-0.5%	-33.4%	25.4%	-10.3%	25.1%	-46.3%	47.1%	131.9%	-33.0%	-3.9%	-15.2%
Nippon Sharyo 865 - DC	13.2%	-29.8%	-7.6%	38.8%	25.1%	10.7%	5.2%	-40.3%	-5.8%	0.7%	-7.1%	38.3%	6.6%

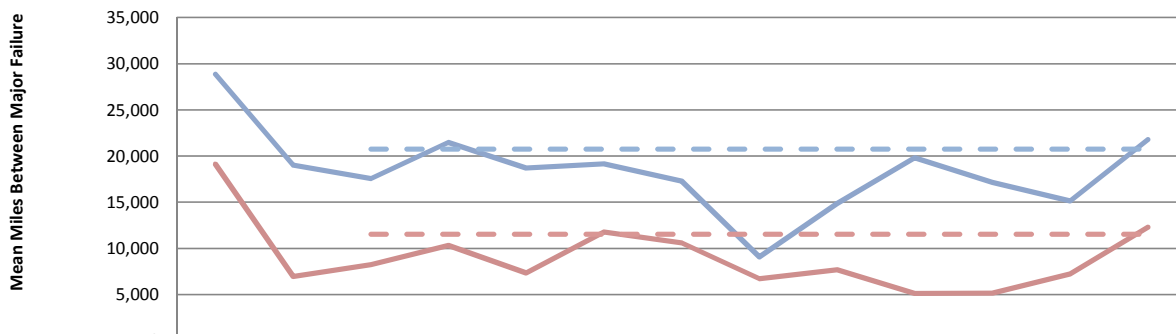
MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures. %Change is from previous month.



Metro

Rail Mean Vehicle Miles Between Major Failure by Vehicle Type

Light Rail - Siemens



	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Siemens 2000 Base - AC	28,871	19,031	17,567	21,505	18,725	19,184	17,318	9,073	14,888	19,848	17,159	15,154	21,822
Siemens 2000 Base - TARGET			20,778	20,778	20,778	20,778	20,778	20,778	20,778	20,778	20,778	20,778	20,778
Siemens 2000 GE/ATP - AC	19,136	6,984	8,241	10,345	7,365	11,790	10,601	6,716	7,700	5,125	5,161	7,257	12,322
Siemens 2000 GE/ATP - TARGET			11,559	11,559	11,559	11,559	11,559	11,559	11,559	11,559	11,559	11,559	11,559

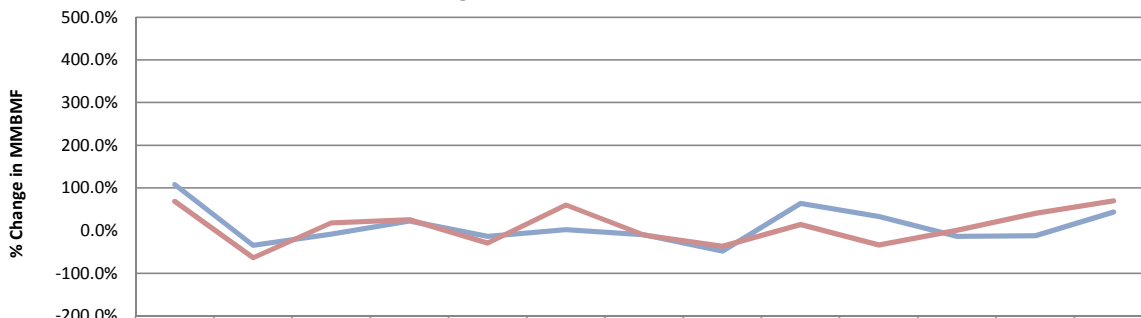
There was no FY16 target established by car type.
 MMBMF : Total Vehicle Miles/ NTD defined Revenue Vehicle Major System Failures.



Metro

Percentage Change in Rail MMBMF by Vehicle Type

Light Rail - Siemens



	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Siemens 2000 Base - AC	108.4%	-34.1%	-7.7%	22.4%	-12.9%	2.5%	-9.7%	-47.6%	64.1%	33.3%	-13.6%	-11.7%	44.0%
Siemens 2000 GE/ATP - AC	68.7%	-63.5%	18.0%	25.5%	-28.8%	60.1%	-10.1%	-36.6%	14.7%	-33.4%	0.7%	40.6%	69.8%

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

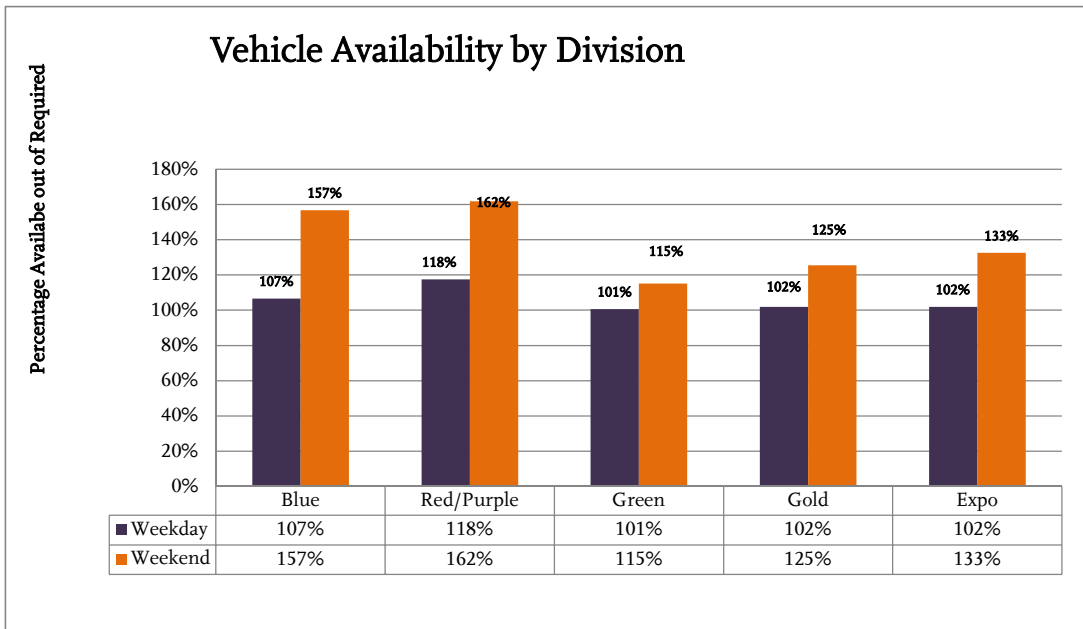
Mean Miles Between Major Failures

	FY 2016	FY 2017 Goal	FY 2017 YTD
AnsaldoBreda2550Base - AC	42,292	44,517	51,622
Breda 650 Base - DC	50,526	53,185	75,981
Breda 650 Option - AC	120,372	126,708	123,425
Kinkisharyo P3010	19,068	20,072	35,321
Nippon Sharyo 2020 - DC	29,653	31,214	20,284
Nippon Sharyo 865 - DC	24,759	26,062	25,512
Siemens 2000 Base - AC	19,739	20,778	16,526
Siemens 2000 GE/ATP - AC	10,981	11,559	7,888

Rail Fleet Distribution – MAY 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		74			
KinkiSharyo P3010	9			15	47
Nippon Sharyo 2020 - DC	12				3
Nippon Sharyo 865 - DC	37				17
Siemens 2000 Base - AC			29		
Siemens 2000 GE/ATP - AC	19				4
TOTALS	77	104	29	65	71

Blue			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	57	61	107%
Weekend	26	41	157%
Red/ Purple			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	64	75	118%
Weekend	40	65	162%
Green			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	22	22	101%
Weekend	14	16	115%
Gold			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	48	49	102%
Weekend	28	35	125%
Expo			
Day Type	Vehicles Required	Average Available	Average % Available
Weekday	47	48	102%
Weekend	30	40	133%

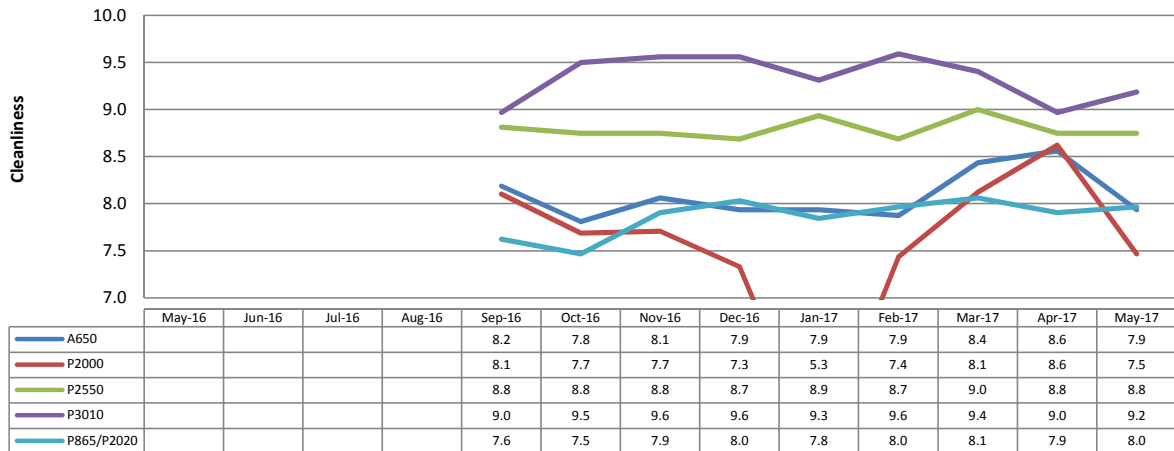


Cleanliness by Vehicle Type



Metro

Rail Cleanliness by General Vehicle Type

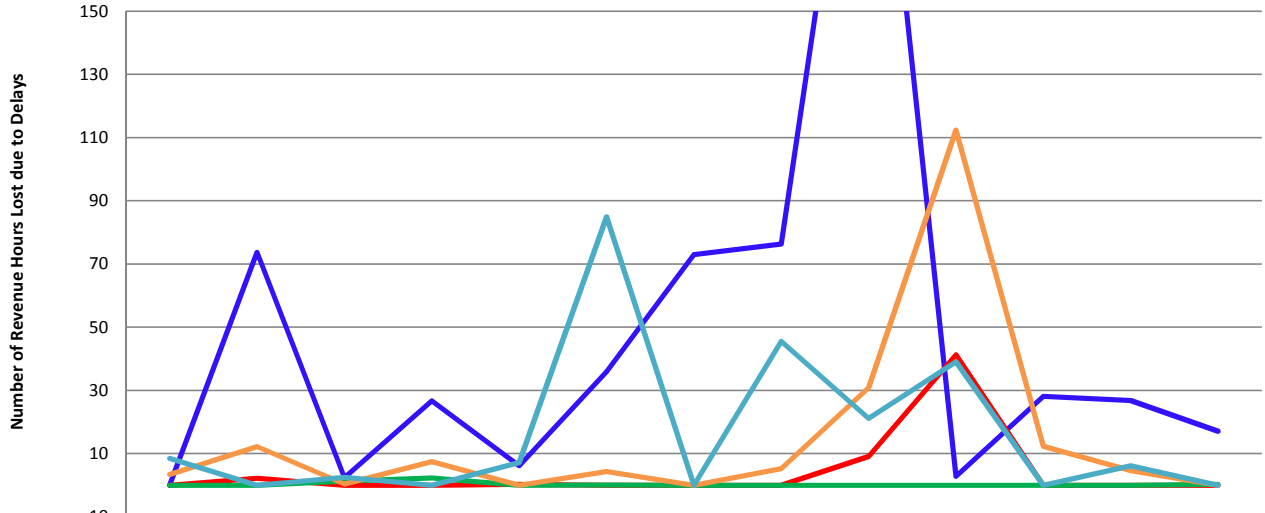


Note: Data Collection Began September 2016

RAIL DELAYS BY CATEGORY - SYSTEMWIDE

Revenue Hours Lost Related to - ACCIDENTS

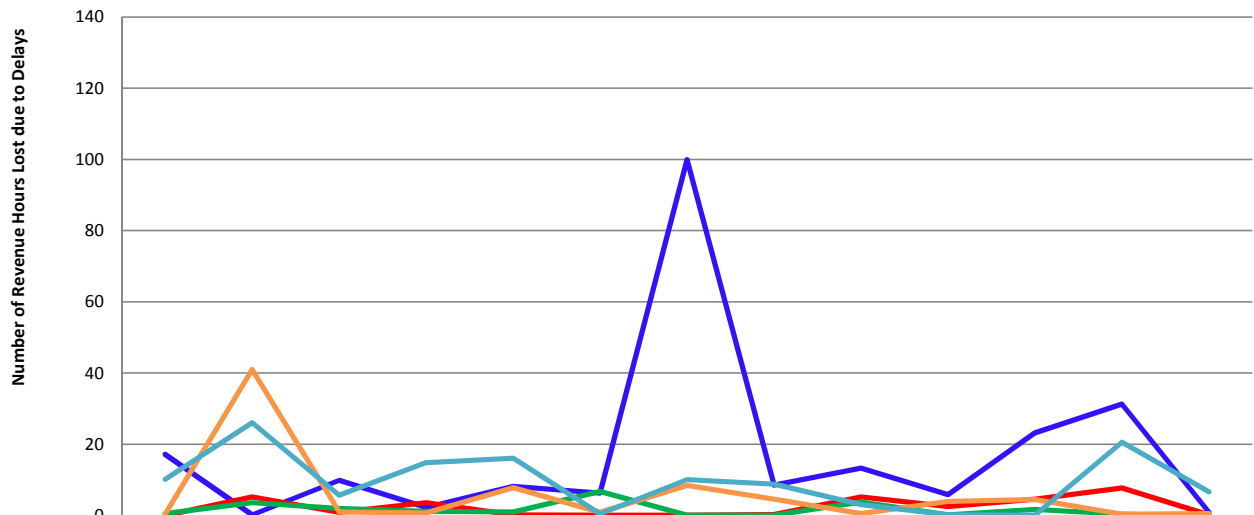
Blue, Red/Purple, Green, Gold & Expo Line Accident Delays



	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Blue	0	74	2	27	6	36	73	76	263	3	28	27	17
Red	0	2	0	0	0	0	0	0	9	41	0	0	0
Green	0	0	1	2	0	0	0	0	0	0	0	0	0
Gold	3	12	0	7	0	4	0	5	31	112	12	5	0
Expo	8	0	3	0	7	85	0	46	21	39	0	6	0

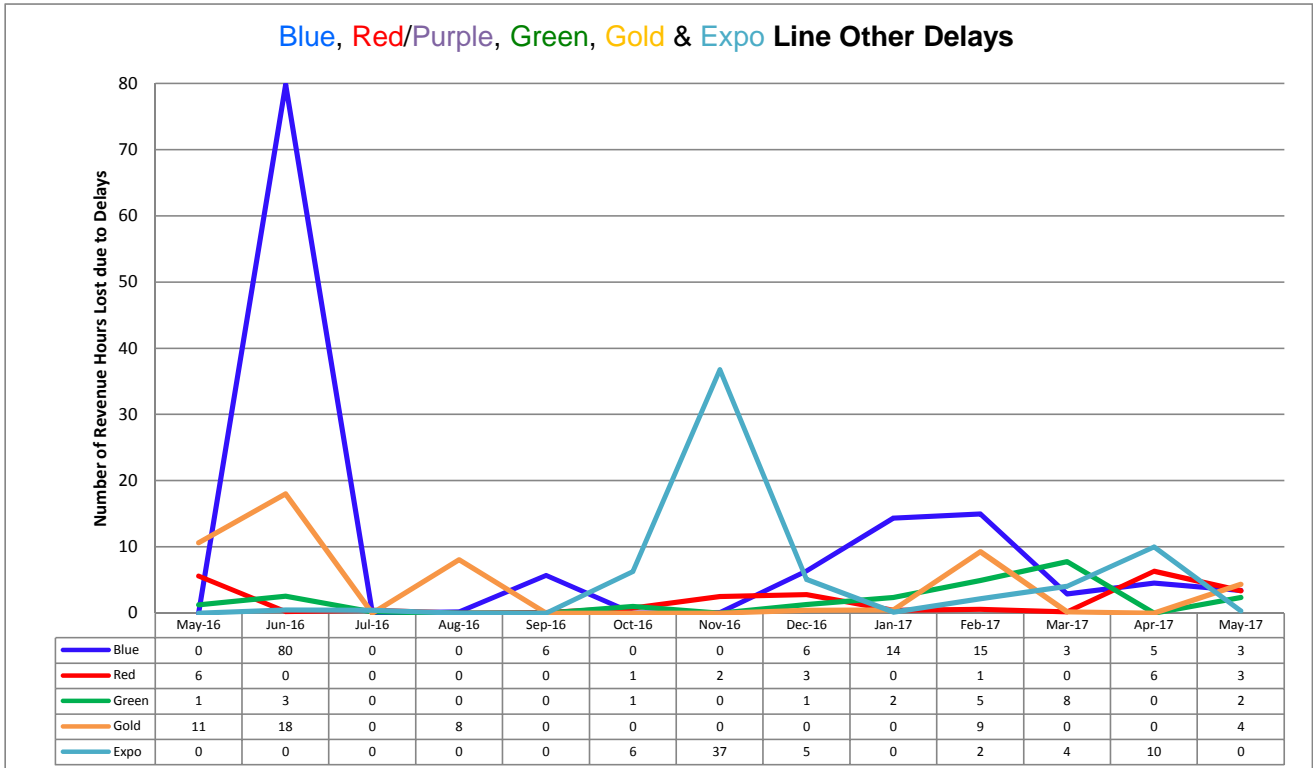
Revenue Hours Lost Related to - OPERATIONS

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

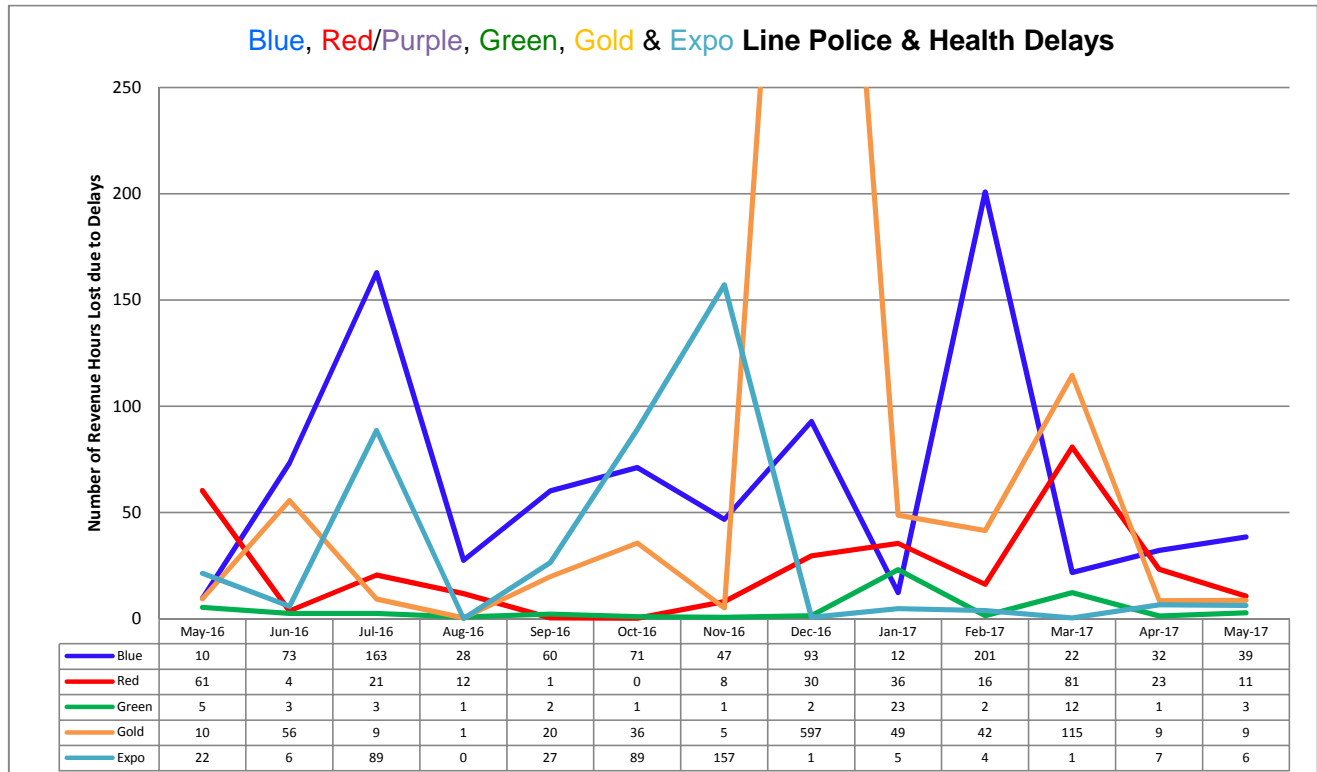


	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Blue	17	0	10	2	8	6	100	9	13	6	23	31	1
Red	0	5	1	4	0	0	0	0	5	3	5	8	0
Green	1	4	2	1	1	7	0	0	4	0	2	0	0
Gold	0	41	1	1	8	1	8	5	1	4	4	0	1
Expo	10	26	6	15	16	0	10	9	3	0	0	21	7

Revenue Hours Lost Related to - OTHER

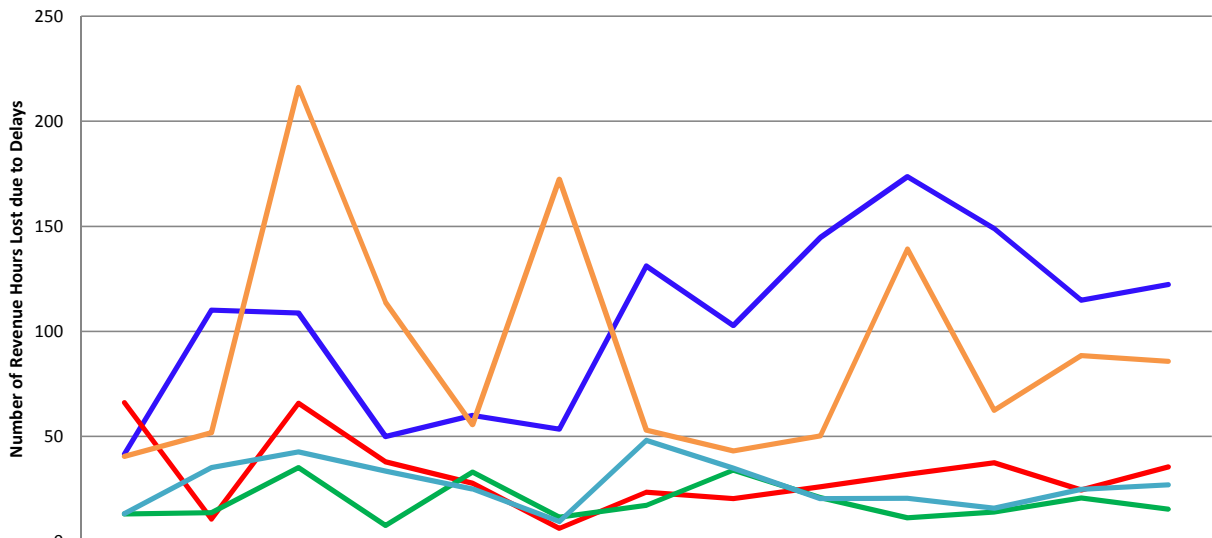


Revenue Hours Lost Related to - POLICE & HEALTH



Revenue Hours Lost Related to - Vehicle Delays

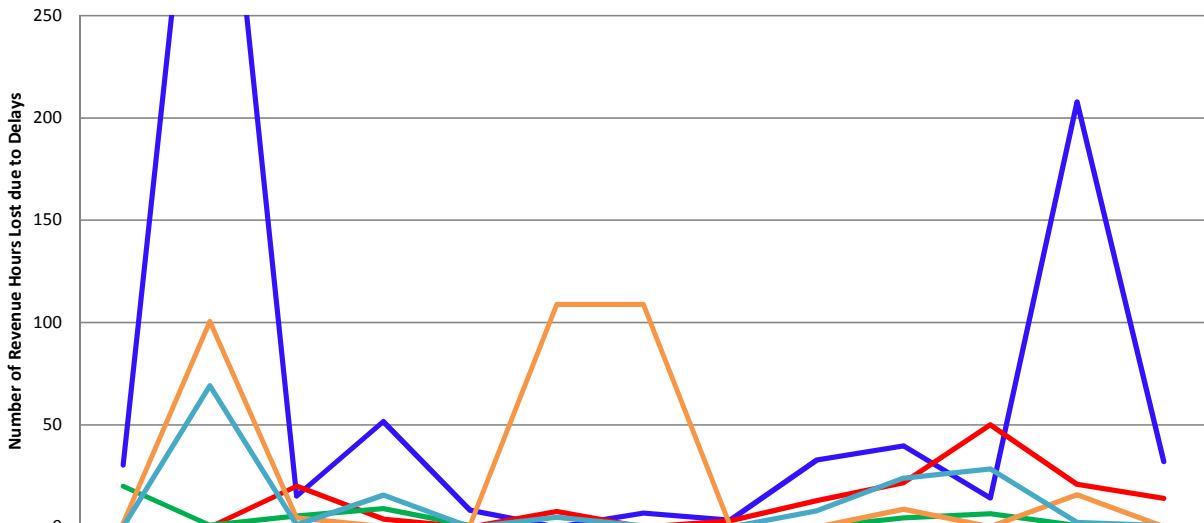
Blue, Red/Purple, Green, Gold & Expo Line Vehicle Delays



	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Blue	42	110	109	50	60	54	131	103	145	174	149	115	122
Red	66	11	66	38	28	6	24	20	26	32	38	25	36
Green	13	14	35	8	33	12	17	34	21	11	14	21	15
Gold	41	52	216	114	56	172	53	43	50	139	63	89	86
Expo	13	35	43	34	25	10	48	35	21	21	16	25	27

Revenue Hours Lost Related to - WAYSIDE

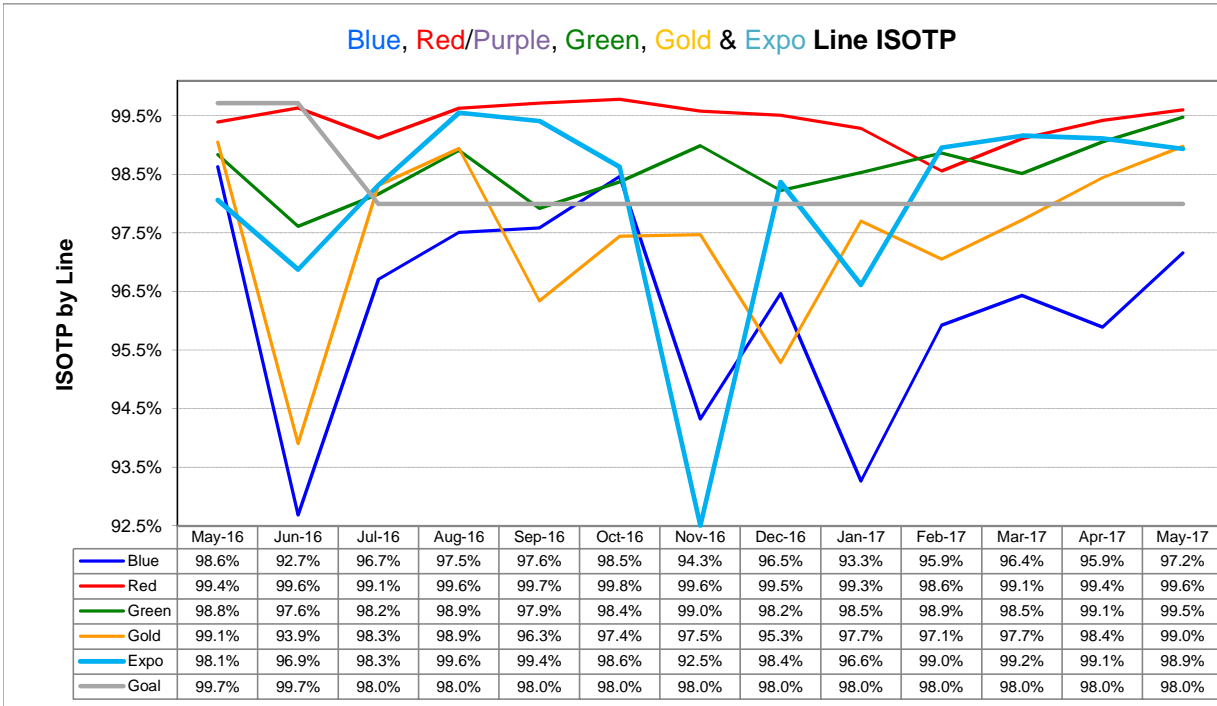
Blue, Red/Purple, Green, Gold & Expo Line Wayside Delays



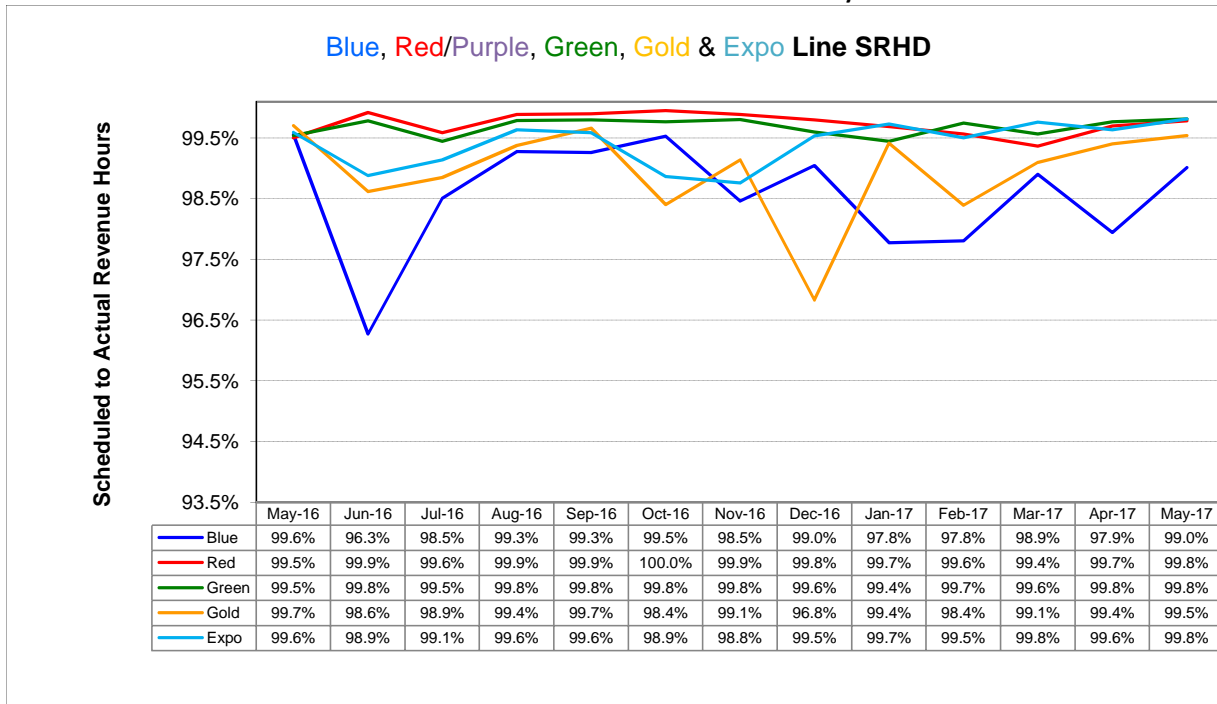
	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Blue	30	424	15	52	8	0	7	4	33	40	14	208	32
Red	0	0	20	4	0	8	0	3	13	22	50	21	14
Green	20	1	6	9	1	1	1	1	0	5	7	1	0
Gold	2	101	5	0	1	109	109	1	0	9	0	16	0
Expo	0	69	1	16	0	5	1	0	8	24	28	2	1

Rail Service Performance

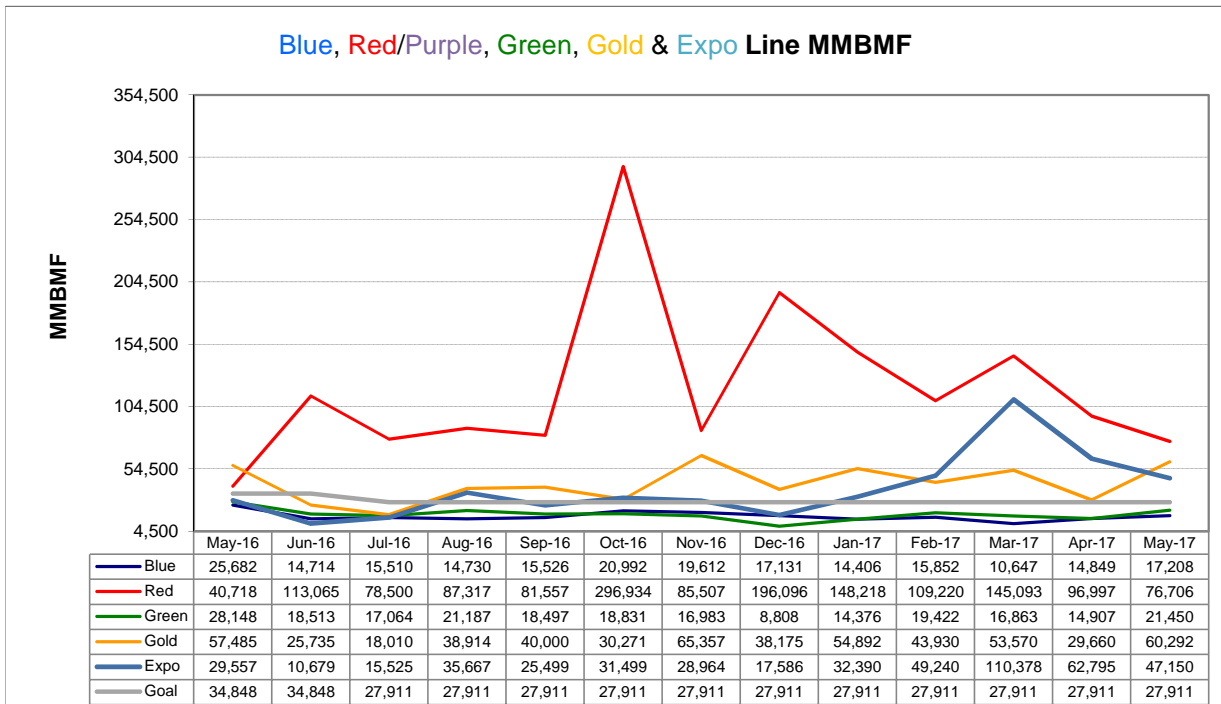
In Service On Time Performance by Line



Ratio of Scheduled to Revenue Hours Delivered by Line

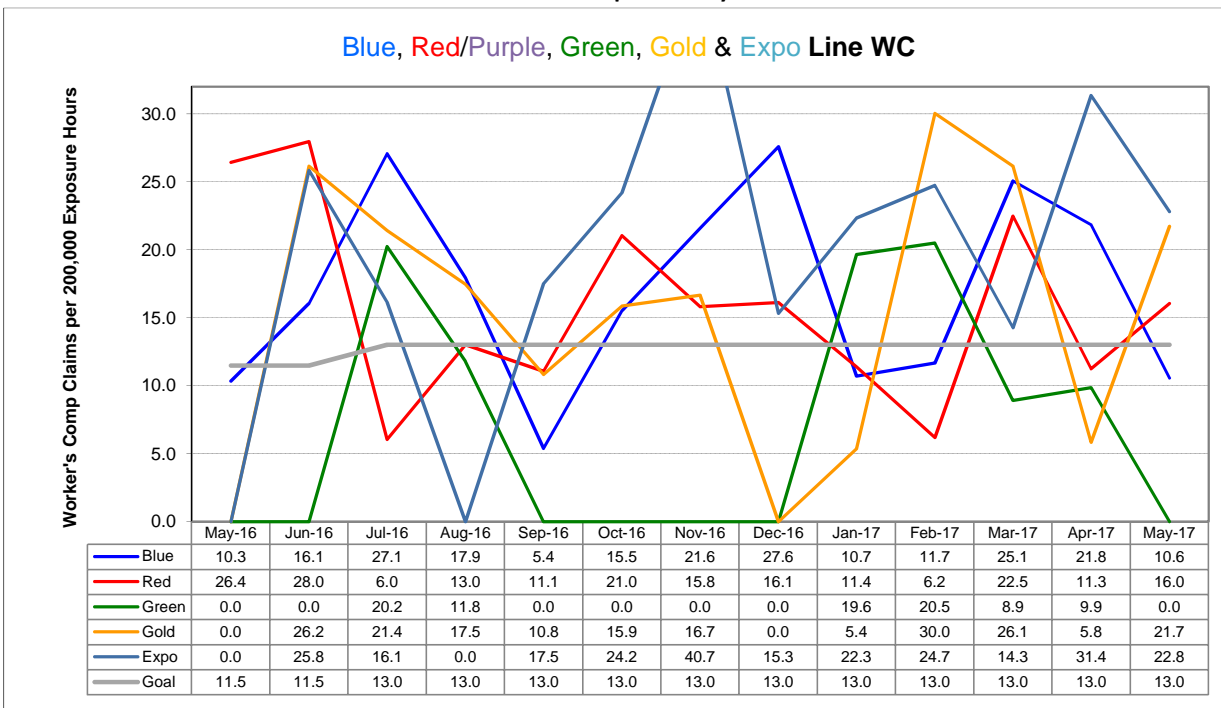


Mean Miles Between Mechanical Failures by Line



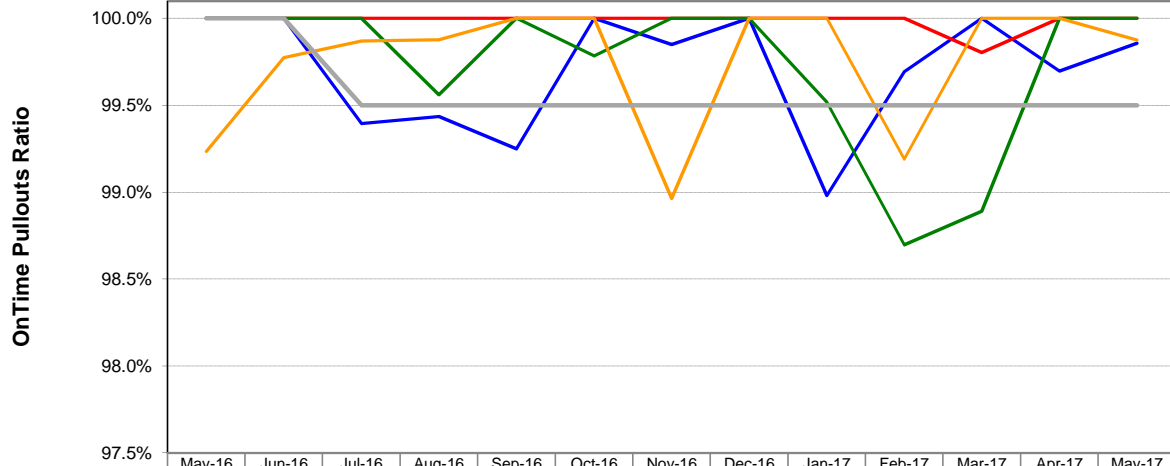
Expo Line Service began in March 2016.

Workers Comp Claims by Line



On-Time Pullouts Ratio by Line

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

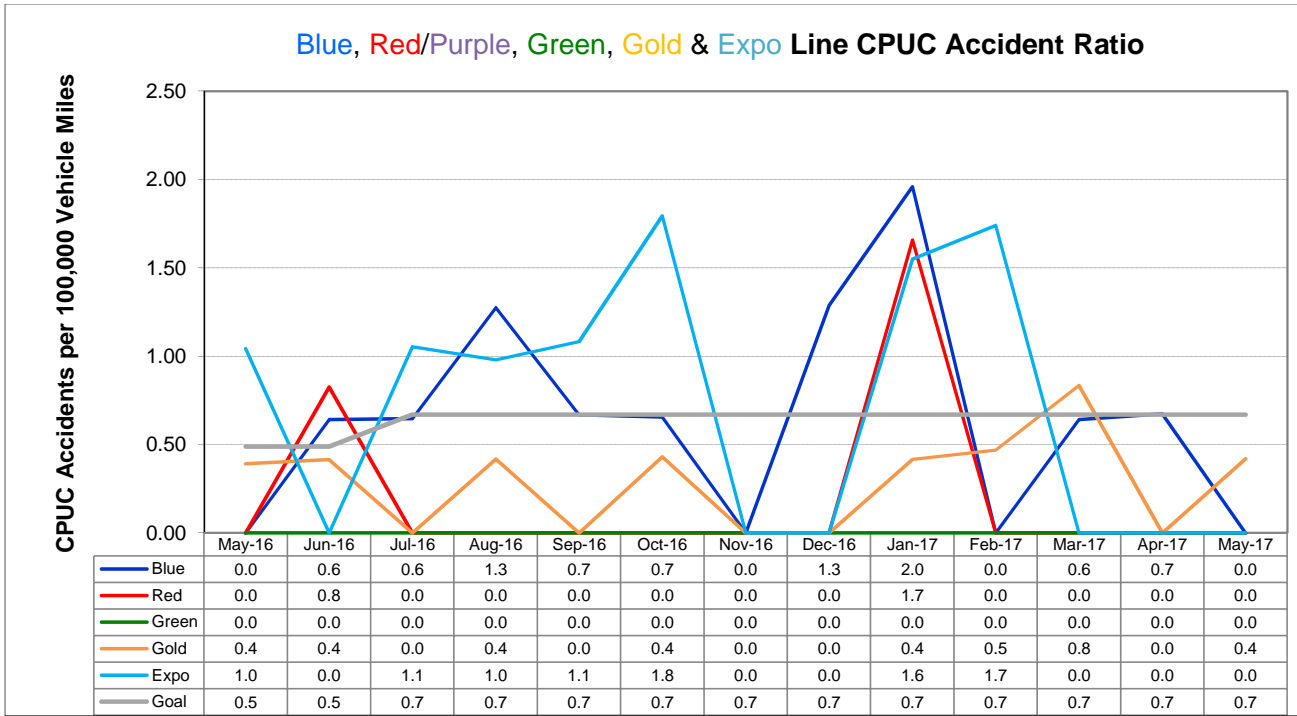


	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17
Blue	100.0%	100.0%	99.4%	99.4%	99.2%	100.0%	99.8%	100.0%	99.0%	99.7%	100.0%	99.7%	99.9%
Red	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.8%	100.0%	100.0%
Green	100.0%	100.0%	100.0%	99.6%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

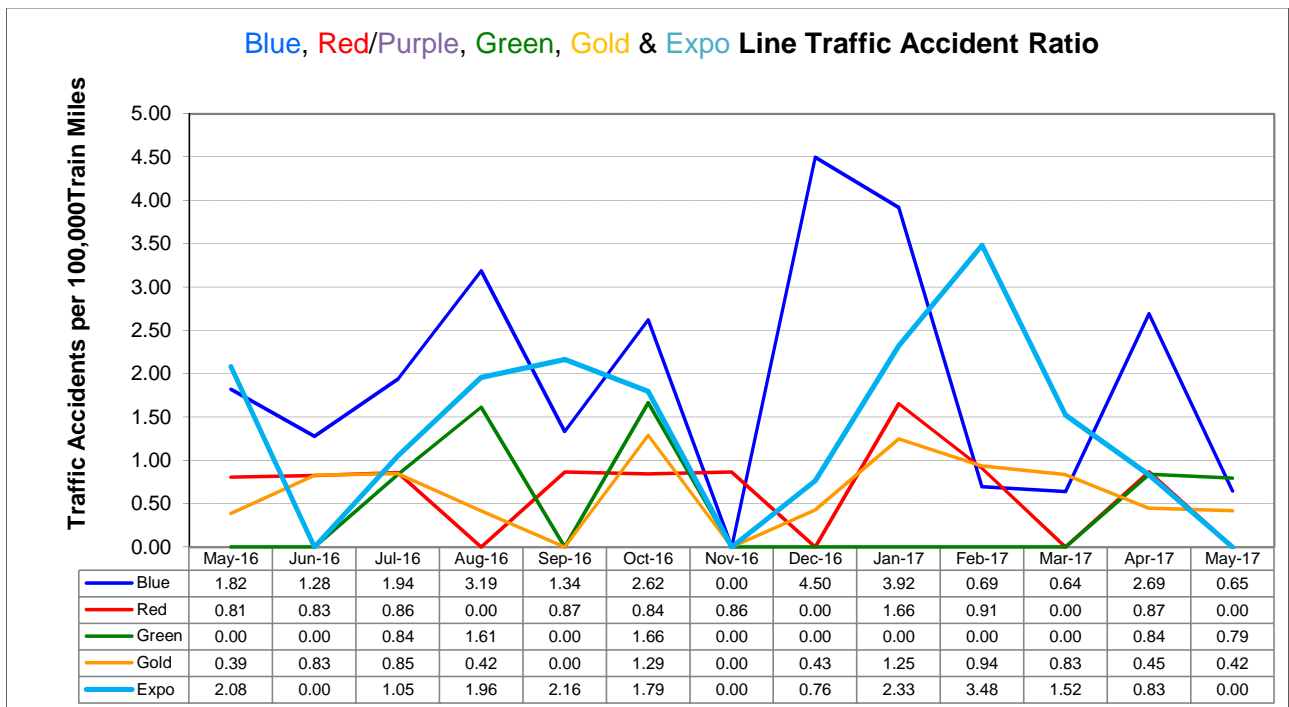
Expo Line Service began in March 2016.

Rail Safety Performance

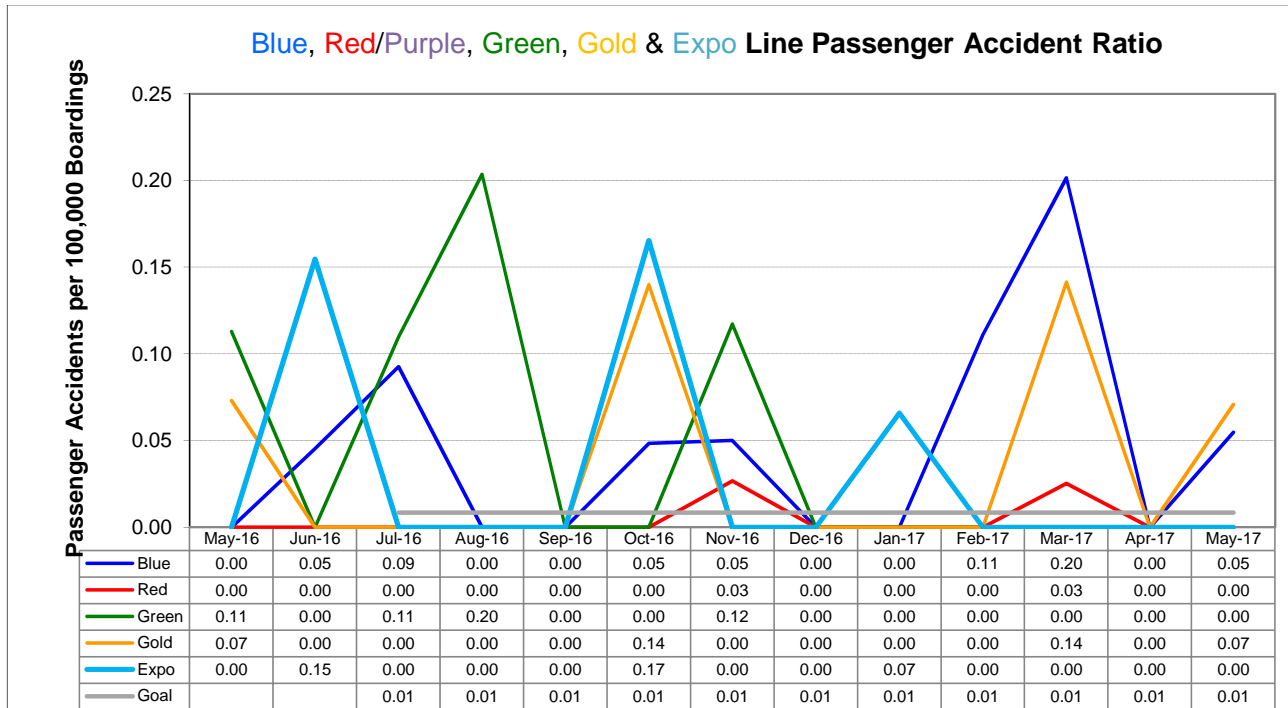
CPUC REPORTABLE ACCIDENTS PER 100,000 TRAIN MILES



TRAFFIC ACCIDENTS PER 100,000 TRAIN MILES



PASSENGER ACCIDENTS PER 100,000 BOARDINGS

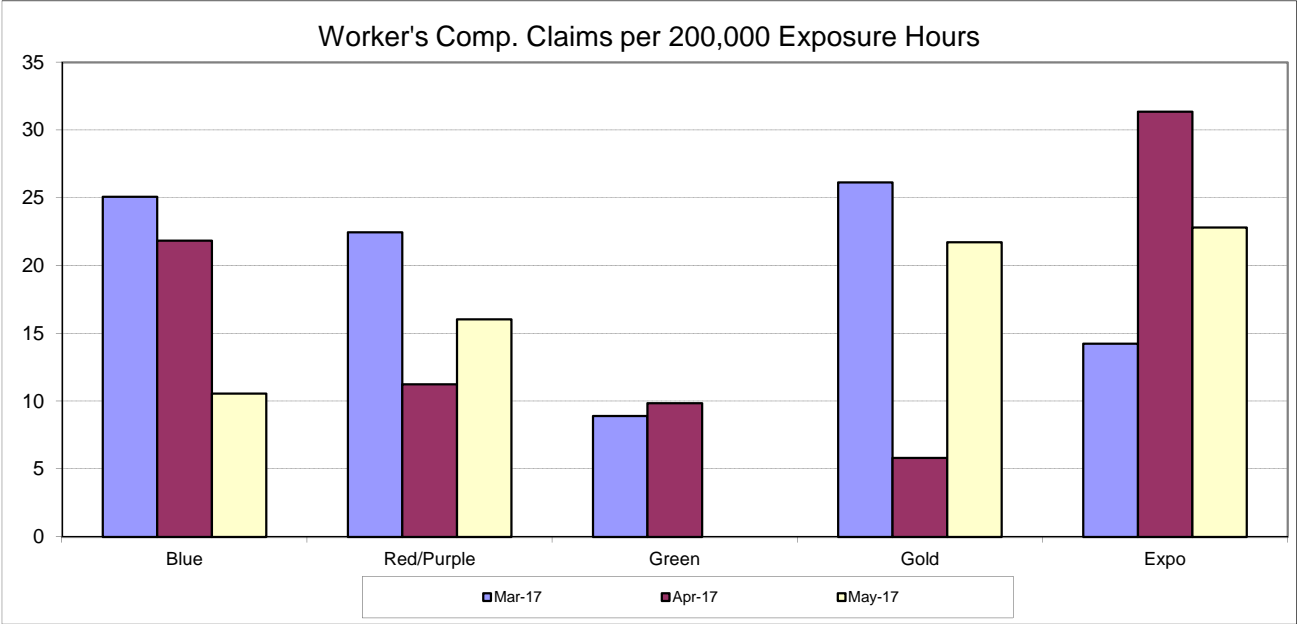


Expo Line Service began in March 2016.

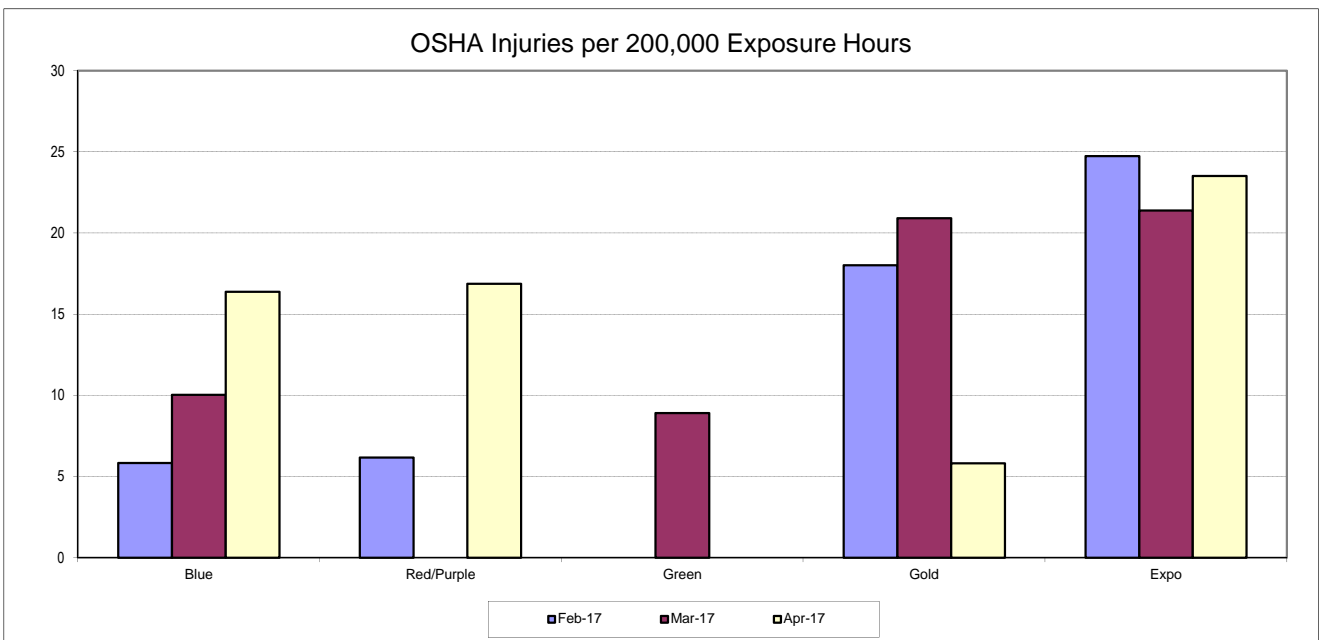
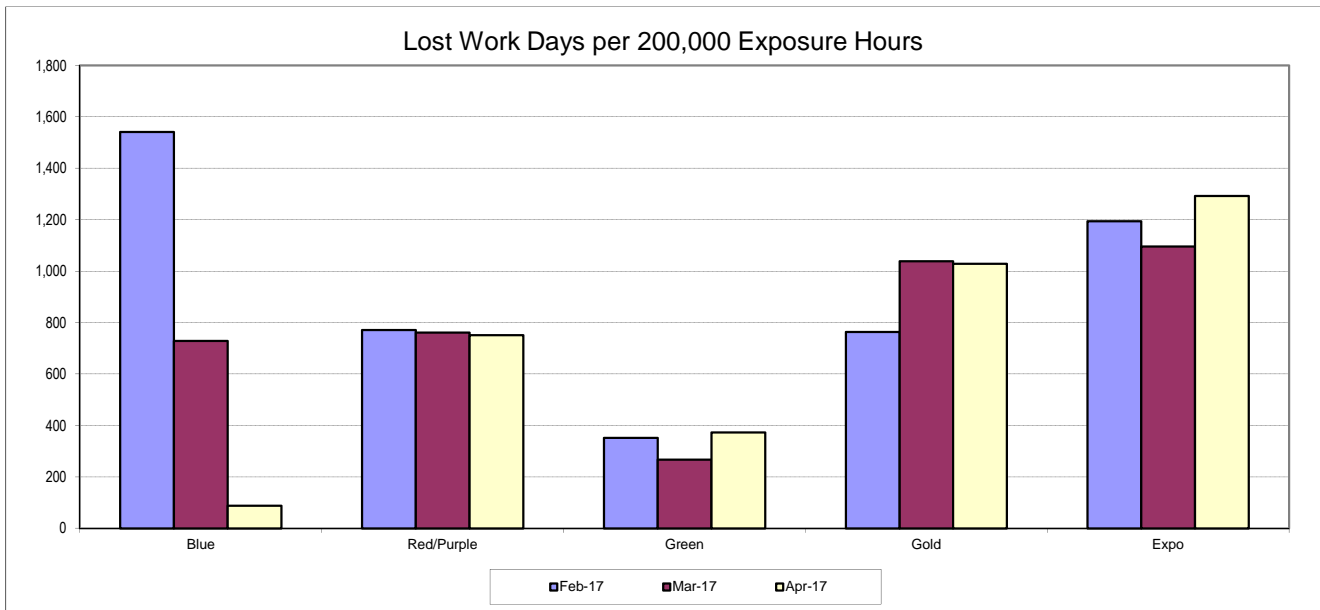
Worker's Comp. Claims

Mar 2017 - May 2017

3 Month Comparison

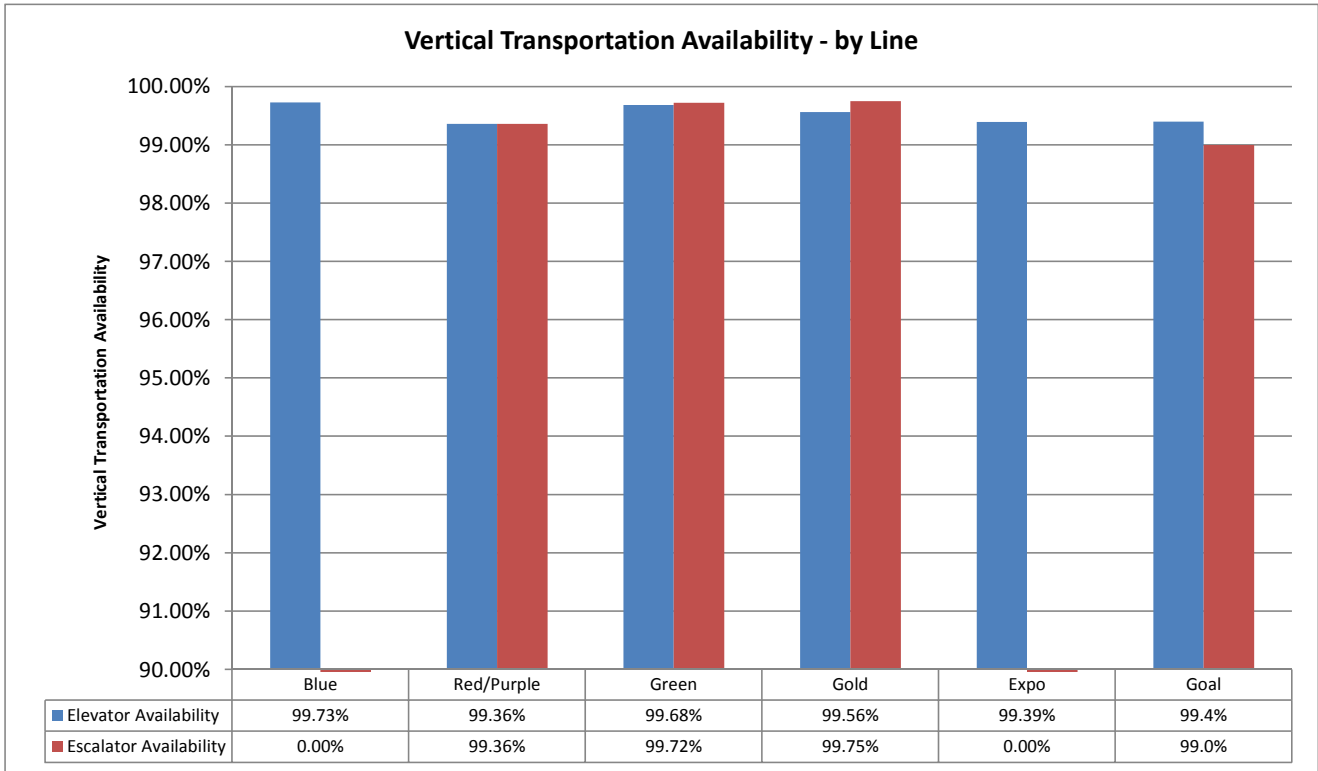


Lost Work Days and OSHA Injuries Feb 2017 - Apr 2017 3 Month Comparison



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

Systemwide Vertical Transportation Availability by Line



Note: No Escalators at Blue and Expo Lines

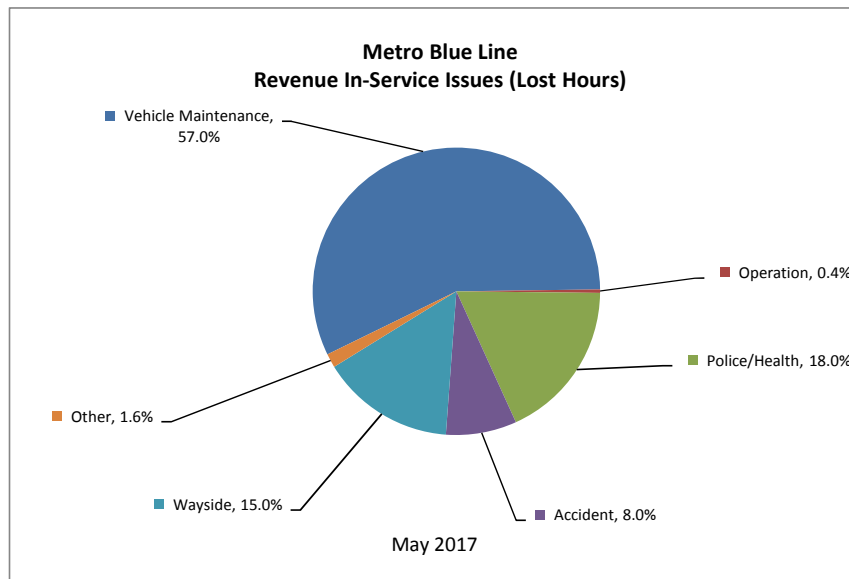
BLUE LINE

Out of a total of 20,606 hours operated, there were approximately 215 total hours of service delays.

May 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	20,392	99.0%
Cancelled + Delayed Hours	215	1.0%
Total Revenue Hours	20,606	100.0%

Summary of the major contributors:	Count	Hours	Percent
Operations	3	0.9	0.4%
Accidents	1	17.1	8.0%
Vehicle Maintenance	41	122.3	57.0%
Wayside	3	32.2	15.0%
Police & Health	14	38.7	18.0%
Other	5	3.4	1.6%
Total	67	214.5	100.0%

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



May 2017 Blue Line major delay contributors were as follows:

Operations Incidents:

5/2/2017 3:04:00 PM - Incident# 2862237 (0 lost trips, 25 lost minutes)

Train 109: Kinkyshario Delay
Cars 1071, 1067, 1068
Washington, Trk 1 Northbound

5/19/2017 4:28:00 PM - Incident# 2868314 (0 lost trips, 15 lost minutes)

Train-125
T-130
Cars (148)-165-116
Southbound, Track #2
7th/Metro Center
Misc. Operator Problem schedule does not work. Operator unable to maintain operations per summary.

5/26/2017 4:39:00 PM - Incident# 2870725 (0 lost trips, 12 lost minutes)

Train Delay: Train operator states the schedule not working.

Accidents:

5/16/2017 8:21:00 PM - Incident# 2867039 (6 lost trips, 1,026 lost minutes)

Reports of 10-72 at 119th Grade Crossing
Train#105
T-253
112-155-(167)
119th Grade Crossing, Track #1, NB

Vehicle Maintenance Incidents:

5/1/2017 8:13:00 AM - Incident# 2861604 (1 lost trip, 169 lost minutes)

Operator reports of propulsion brake fault with a speed restriction.
T-046
Train #107
Cars 121-139-159
Southbound
Track #2

5/1/2017 12:55:00 PM - Incident# 2861719 (0 lost trips, 6 lost minutes)

Auto Train Protection (Speed Limit) No movement LRV 130
T-231
Train 115
LRV (130) 145 137
Willow Station, Track 2, northbound.

5/2/2017 5:15:00 PM - Incident# 2862315 (1 lost trip, 168 lost minutes)

Train 125
T-130, M-248
Willowbrook, trk 2, sb
Cars 158, 153, 136

5/3/2017 5:28:00 AM - Incident# 2862411 (1 lost trip, 180 lost minutes)

Propulsion fault/Brakes wont release
Train 610
T-335
(247)-241-235
S/B Trk 2 Vernon Station
-12 delay

5/3/2017 5:57:00 PM - Incident# 2862733 (1 lost trip, 183 lost minutes)

Operator reports of no movement.
Train 111
T-201
Cars (1068)-1067-1071
Manville Grade Crossing, Track 2, Southbound

5/4/2017 12:50:00 PM - Incident# 2863003 (1 lost trip, 168 lost minutes)

Flat wheels
Car 167 B
Train 111
7th and Metro

5/5/2017 4:34:00 PM - Incident# 2863509 (0 lost trips, 6 lost minutes)

Reports of propulsion fault with a speed restriction of 35mph
Train #109
T-390
(143)-128-101
PCH/Trsk 1/Northbound

5/7/2017 12:23:00 PM - Incident# 2863869 (0 lost trips, 6 lost minutes)

Middle car #159 has a burning smell reported by LASD.
Train#103
T#110
111,(159A),101
Track 1,Grand Station,Northbound

5/9/2017 6:20:00 PM - Incident# 2864723 (2 lost trips, 335 lost minutes)

Propulsion fault with a MA low
No movement
Train #104
T-211,140-158-141
NB, Track # 1

5/10/2017 4:46:00 PM - Incident# 2865085 (2 lost trips, 335 lost minutes)

Train 124 reporting a Propulsion Fault with a Speed restriction
Train 124
T-238
LRV"S 1068-1067-1071
Firestone Station, track 2, southbound.

5/12/2017 7:06:00 AM - Incident# 2865640 (1 lost trip, 166 lost minutes)

Operator reports of propulsion dynamic brake fault with a speed restriction.
T-200
Train #113
Cars (159B)-148-126
Willowbrook St
Northbound Trk2

5/12/2017 7:06:00 AM - Incident# 2865646 (1 lost trip, 174 lost minutes)

Reports of recurring ATP failure
Train #119
T-256
(1061B)-1064-1063
Del Amo Station, Track 1, Northbound

5/13/2017 1:12:00 PM - Incident# 2866016 (1 lost trip, 153 lost minutes)

Doors cut out (no movement)
Train 106
NB Track #1 Wardlow Station
T-110
106-120-(116B)

5/15/2017 9:04:00 AM - Incident# 2866435 (1 lost trip, 196 lost minutes)

Doors
234-(244)-(240)
Train 113
T-110
Del Amo, Southbound, Track 2

5/15/2017 3:52:00 PM - Incident# 2866568 (1 lost trip, 168 lost minutes)

Operator reports of arecurring propulsion fault
Train 122
T-246
(127B)108-123
7th Metro Ctr., Trk. 2, southbound

5/15/2017 7:58:00 PM - Incident# 2866625 (1 lost trip, 168 lost minutes)

Trailing Car Doors inoperable
Train 105
Track #1 PCH NB
T-253
302-229-(242)

5/17/2017 12:22:00 PM - Incident# 2867294 (0 lost trips, 12 lost minutes)

Train-109
T-069
Cars (244)-229-235
Northbound Track #1
Wardlow Station
Propulsion / Dynamic Brakes at Wardlow Station.

5/17/2017 3:18:00 PM - Incident# 2867358 (1 lost trip, 168 lost minutes)

Car 111B Unclearable Prop Fault with speed restriction
T-130
Train-123
Consist- (111B)-126-123
Artesia Station, Northbound, Track #1

5/17/2017 5:24:00 PM - Incident# 2867407 (1 lost trip, 177 lost minutes)

Train 609 had no movement
T-157
Train-609
Consist (1051-1043)
7th & Metro, Southbound, Track #2

5/17/2017 6:09:00 PM - Incident# 2867451 (1 lost trip, 175 lost minutes)

Operator T-81 reports no movement.
Train 101
T-81
Cars (1063)-1064-1068
San Pedro Station, Track 1, Northbound

5/18/2017 5:36:00 AM - Incident# 2867558 (1 lost trip, 180 lost minutes)

Train 102
T-355
(234)-302-238
Track 2 S/B
Del Amo Station
Door problems

5/18/2017 9:21:00 AM - Incident# 2867626 (0 lost trips, 5 lost minutes)

Door 3/4 cutout on car 100A TRAINING M3
Train 100
T-100
(100A)-101-102
7 & Metro, Tk2, SB

5/18/2017 9:21:00 AM - Incident# 2867628 (0 lost trips, 5 lost minutes)

Door Fault 100A 3/4 cutout Training M3
Train 100
T-100
(100A)-101-102
7th/Metro, Tk 2, SB

5/18/2017 9:21:00 AM - Incident# 2867629 (0 lost trips, 5 lost minutes)

Doors 3|4 cutout on 100A TRAINING M3
Train 100
T-100
Cars (100A), 101, 102
7th and Metro, Track 2, SB

5/18/2017 9:53:00 PM - Incident# 2867923 (1 lost trip, 187 lost minutes)

Operator reports of no movement.
Train 625
T-204
Cars (137A), 151
Signal 1N 7th/Metro Center, Track 1, Northbound

5/19/2017 6:21:00 AM - Incident# 2868044 (1 lost trip, 178 lost minutes)

Train 102
T-281
Track 1 N/B
167-155-140
Propulsion Fault/Speed restriction.

5/19/2017 11:52:00 AM - Incident# 2868161 (1 lost trip, 166 lost minutes)

Train operator T-82 reports unclearable propulsion faults on car 116 on train 111 at Anaheim station.

5/19/2017 3:01:00 PM - Incident# 2868248 (1 lost trip, 166 lost minutes)

Train-121
T-043
Cars (247B)-241-242
Northbound, Track #1
Compton Station
Propulsion / Dynamic Brakes unable to clear.

5/20/2017 10:09:00 PM - Incident# 2868583 (2 lost trips, 305 lost minutes)

Friction brakes
Train 102
T-149
Cars (1072)A-1069-1061
Slauson station tk 2 southbound.

5/22/2017 5:54:00 AM - Incident# 2868819 (0 lost trips, 5 lost minutes)

Operator reports that he lost street run and lost movement.
T-152
Cars(244A)-231-245
Train #111
Northbound
Washington Trk1

5/22/2017 8:33:00 AM - Incident# 2868916 (1 lost trip, 180 lost minutes)

Train 112 reports no movement and no power at 119 Street Grade crossing.
Train 112
T-043
LRV'S 240-302-237
119th Street, track 2, south.

5/22/2017 5:02:00 PM - Incident# 2869132 (0 lost trips, 6 lost minutes)

Train 107 report that LRV 1071 will not go into Stop & Proceed Mode.
Train 107
T-415
LRV'S (1071) -1037-1067
Metro Center Tail track 1.

5/24/2017 6:30:00 AM - Incident# 2869693 (1 lost trip, 168 lost minutes)

LVPS fault (Battery Charger)

(233)-248-237

Train 113

T-034

Metro Center, Northbound, Track 1

5/26/2017 6:30:00 AM - Incident# 2870516 (0 lost trips, 6 lost minutes)

Friction/Track Brakes activate when accelerating.

Train 112

(113A)-150-129

T-152

Pico Station SB Trk 2

5/26/2017 9:40:00 AM - Incident# 2870590 (1 lost trip, 178 lost minutes)

Friction Brakes, cars #(1067A)-1069-1061

Trai #103

T-076

South of Imperial 1N, Track#001,Northbound.

5/26/2017 10:19:00 PM - Incident# 2870772 (1 lost trip, 166 lost minutes)

Operator reports of a propulsion fault and a speed restriction.

Train 104

T-183

Cars (242)-229-231

Washington Station, Track 2, Southbound

5/28/2017 3:54:00 PM - Incident# 2871091 (1 lost trip, 137 lost minutes)

Rear doors do not open

Train 103

NB Track #1 Del Amo Station

T-413

237-(240)

5/28/2017 4:42:00 PM - Incident# 2871097 (1 lost trip, 137 lost minutes)

Prop Dynamic Brake Fault

Train 103

Track #2 S. Pedro Station

T-072

234-(242)

5/29/2017 2:21:00 PM - Incident# 2871250 (2 lost trips, 368 lost minutes)

Train 111 reports no movement with Propulsion Faults

Train 111

T-086

LRV'S (164) 106

Greenleaf track 1, southbound.

5/31/2017 5:57:00 AM - Incident# 2871813 (0 lost trips, 5 lost minutes)

No Fault no movement

Train 107

T-87

(1072)-1068-1064

Trk 2 Portal

-5 delay

5/31/2017 7:50:00 AM - Incident# 2871863 (10 lost trips, 1,676 lost minutes)

Train 107

(1064)-1068-1072

T-87

Washington N/B Trk 1

No movement no fault.

Wayside Incidents:

5/3/2017 11:06:00 AM - Incident# 2862583 (1 lost trip, 190 lost minutes)

Reports of debris on the OCS mile marker 7.1

T-201

138-123-126

Firestone Station,NB,Track 1

5/4/2017 3:56:00 AM - Incident# 2862825 (0 lost trips, 19 lost minutes)

SWitch 21A and 21B out of coorespondence.

5/22/2017 9:47:00 AM - Incident# 2868985 (10 lost trips, 1,721 lost minutes)

Self open breakers at Slauson TPSS BO4 and BO5, Slauson TPSS BO2, BO3, BO4 and BO5 and at Firestone TPSS BO2 and BO3. Loss of Power to tracks 1 and 2 between Slauson and Firestone.

Police & Health Incidents:

5/1/2017 4:15:00 PM - Incident# 2861815 (0 lost trips, 4 lost minutes)

Security is holding consist.

Willow Station

Train #107, T-201, track #1, northbound.

Consist 1071,1067,1068.

5/7/2017 4:32:00 AM - Incident# 2863784 (0 lost trips, 12 lost minutes)

Train 601 reports of car on the right of way at Flower Junction Track#1

5/7/2017 3:13:00 PM - Incident# 2863895 (0 lost trips, 9 lost minutes)

Sick patron.

Train#105

T#53

126,167,(124)

Track#2,Grand Station,Southbound

5/8/2017 5:40:00 PM - Incident# 2864333 (7 lost trips, 1,173 lost minutes)

Traffic Accident Non-MTA Blocking Track #1

Train 107

Track #2 SB PCH/Long Beach Blvd

T-357

5/11/2017 9:35:00 PM - Incident# 2865519 (0 lost trips, 9 lost minutes)

Long Beach Police Dept request for Trains to hold due to Police activity at Long Beach and 10th.

5/15/2017 4:30:00 PM - Incident# 2866569 (1 lost trip, 168 lost minutes)

Operator reports of a possible sick individual onboard the train

Train 606

T-325

104-132-134

7th Metro Ctr., Trk. 1, northbound

5/18/2017 5:16:00 PM - Incident# 2867871 (0 lost trips, 16 lost minutes)

Train-106

T-363

Cars 235-(229)-244

Southbound, Track #2

Compton Station

Sick Individual complaining of having either a stroke or seizure.

5/20/2017 9:22:00 PM - Incident# 2868570 (0 lost trips, 20 lost minutes)

Blockade

Train 102

T-149

Cars 229-234-250

Washington Blvd & Central Ave

5/23/2017 11:53:00 AM - Incident# 2869398 (0 lost trips, 15 lost minutes)

5/23/2017 2:57:00 PM - Incident# 2869477 (0 lost trips, 8 lost minutes)

Trespasser Blocking Train 102 at Pacific Station
Train 102
Cars 113, 159, 155
T-
Pacific Station, Trk 1, Northbound

5/24/2017 12:27:00 PM - Incident# 2869837 (4 lost trips, 683 lost minutes)

Bomb Threat at Imperial Willowbrook Station.

5/24/2017 3:44:00 PM - Incident# 2869912 (0 lost trips, 14 lost minutes)

5th Street/Operator reports non-responsive passenger in Car 1071.

5/28/2017 11:52:00 AM - Incident# 2871045 (0 lost trips, 8 lost minutes)

Train 111 reporting a sick individual laying on the floor on LRV 145.
Train 111
T-043
LRV'S 116-128-(145)
Willow Station, track 2, southbound.

5/30/2017 12:13:00 AM - Incident# 2871332 (1 lost trip, 183 lost minutes)

Blockade non MTA accident blocking track 1 at Nadeau.

Other Incidents:

5/11/2017 3:05:00 PM - Incident# 2865429 (0 lost trips, 18 lost minutes)

Train-122
T-490
Cars (1071)-1067-1068
Mainyard Interface
Northbound, Track #1
Out Late due to Train Swap and Switches on board Kinkishariyo Train that needed to be reset and Operator Swap with Supervisory personnel as well.

5/13/2017 2:33:00 PM - Incident# 2866035 (1 lost trip, 153 lost minutes)

Pulled T
Train 107
Car 153
Washington Station
Northbound

5/25/2017 11:00:00 AM - Incident# 2870201 (0 lost trips, 8 lost minutes)

Misc. Operator Problem (Intoxicated passenger)

5/25/2017 5:36:00 PM - Incident# 2870374 (0 lost trips, 20 lost minutes)

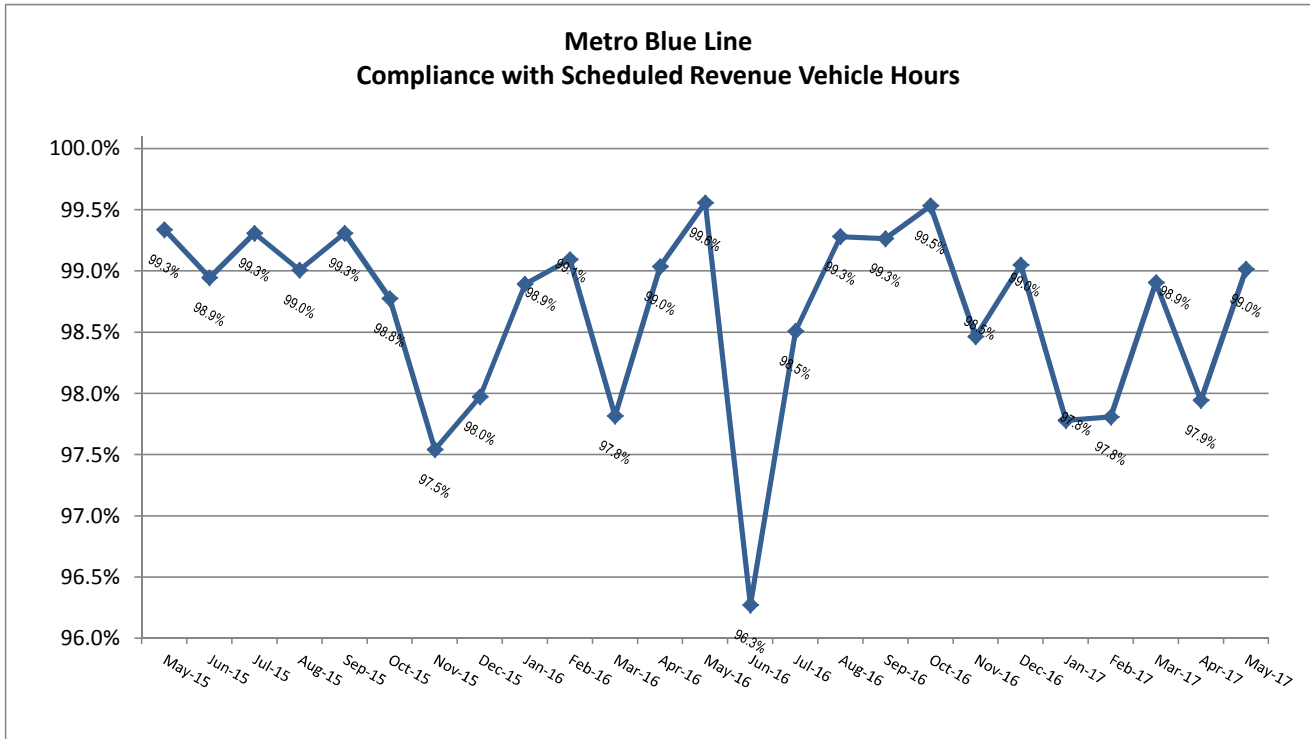
Train-107
T-415
Cars (136A)-128-116
Southbound, Track #2
Wardlow Station
Train Delay at Wardlow Station. Operator refused to proceed south due to verbal altercation with a wheelchair patron.

5/27/2017 4:34:00 AM - Incident# 2870795 (0 lost trips, 6 lost minutes)

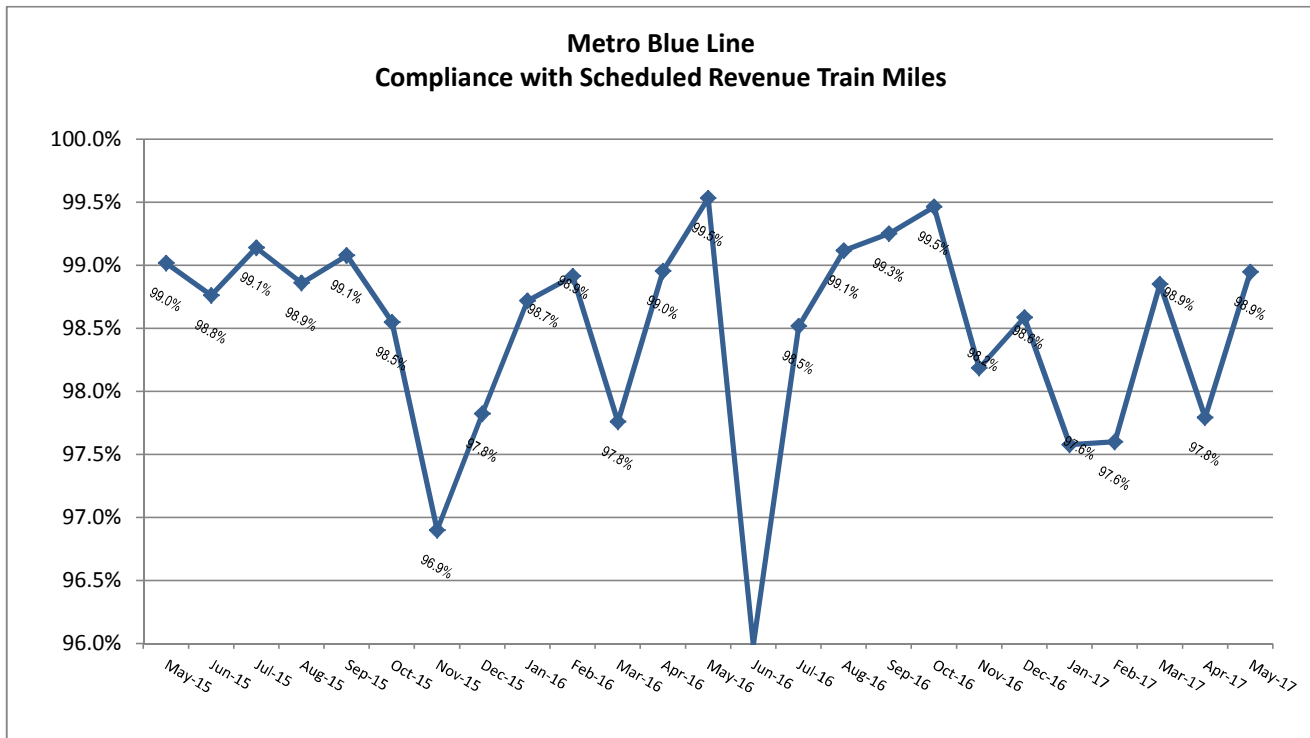
Train 106 pull out late from the Blue Line Yard due to a brake down LRV 236

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

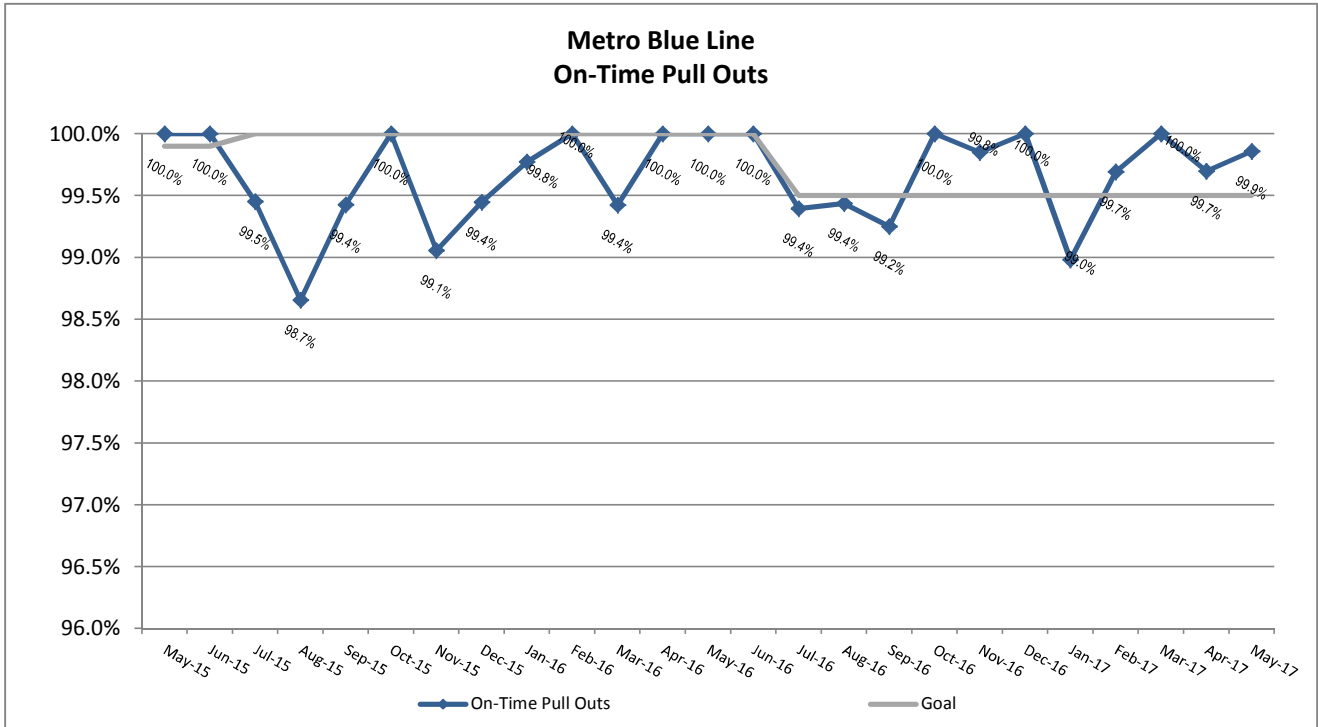
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



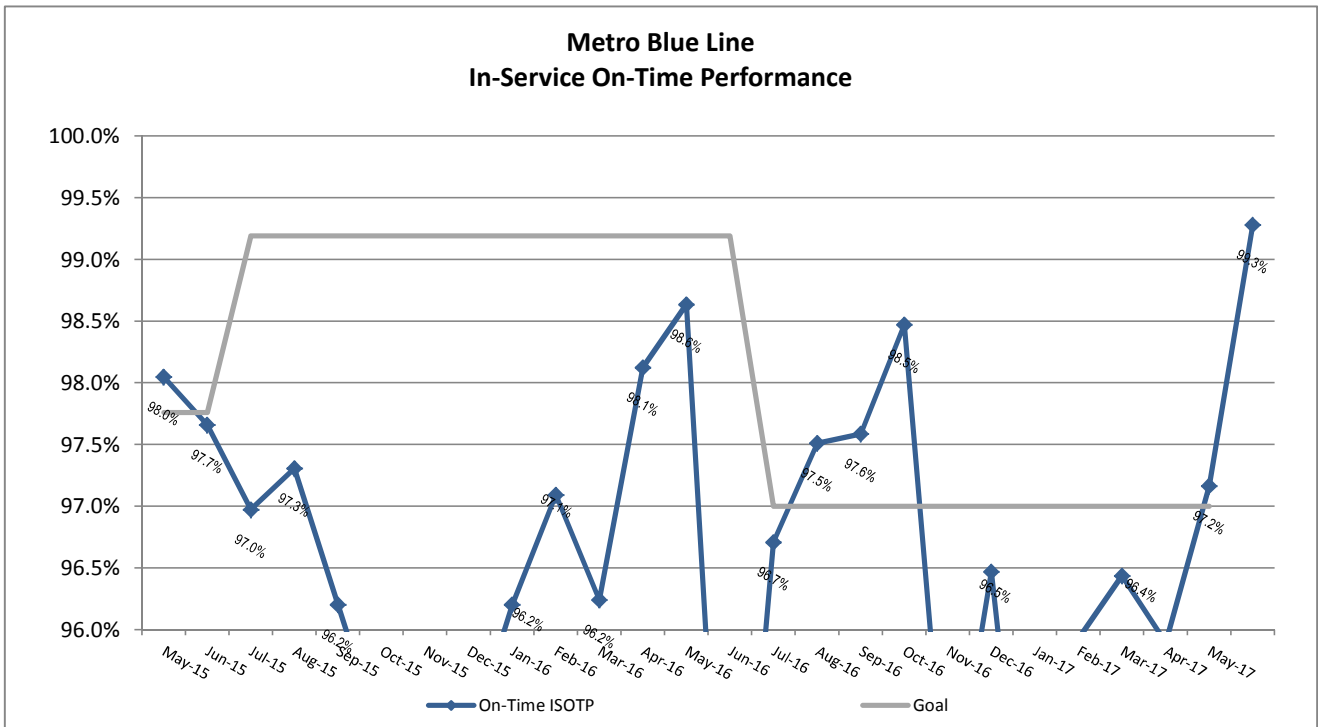
COMPLIANCE WITH SCHEDULED TRAIN MILES



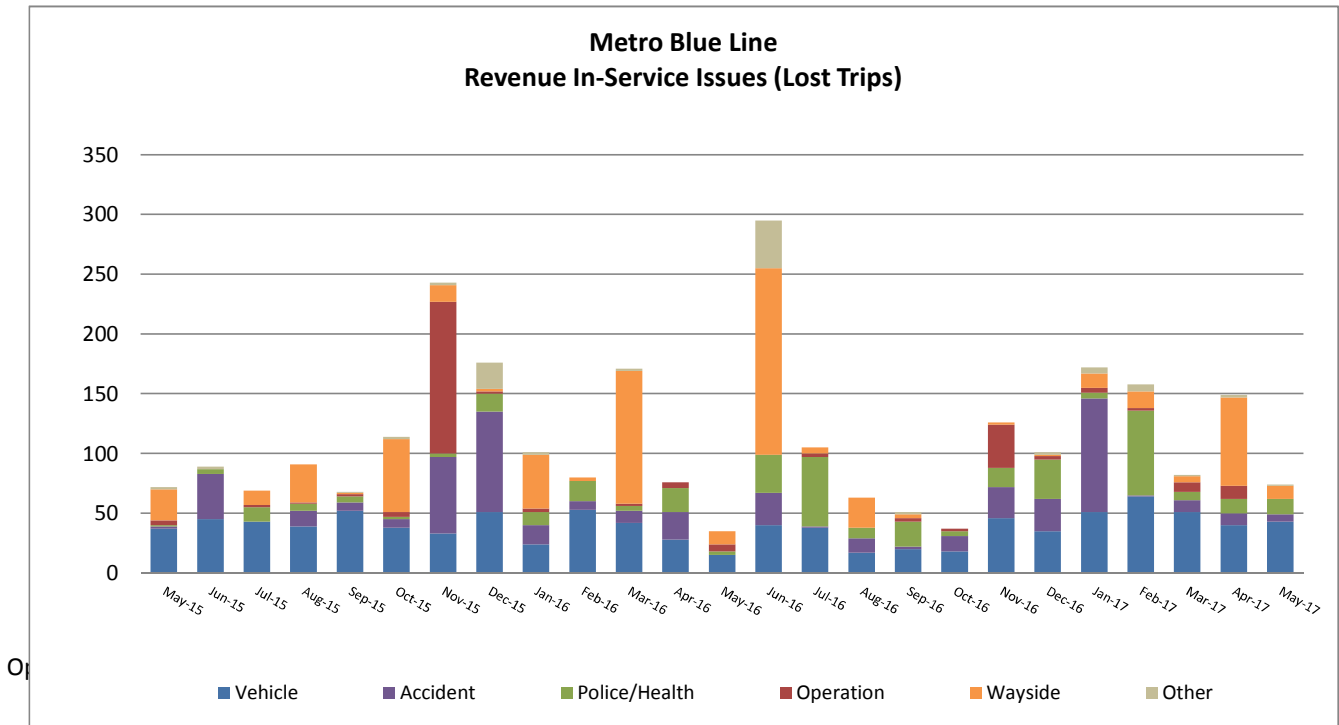
ON-TIME PULL OUTS



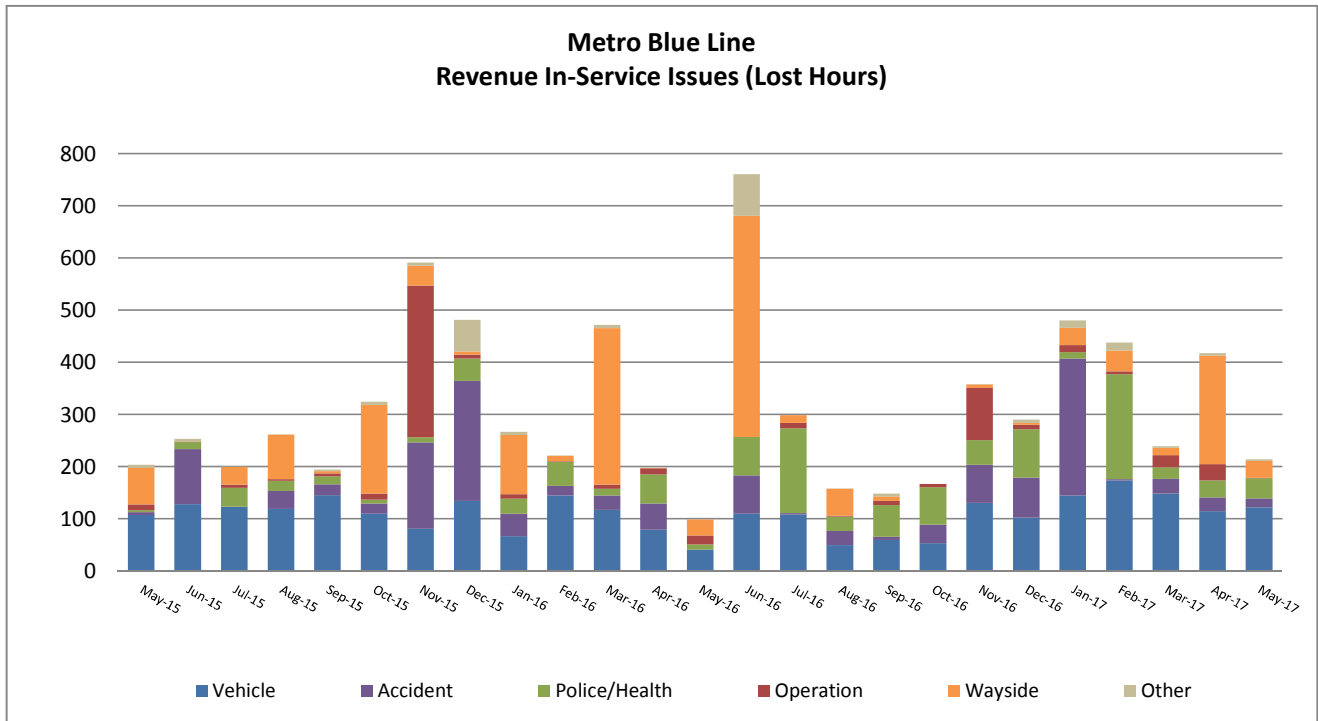
IN-SERVICE ON-TIME PERFORMANCE CHART



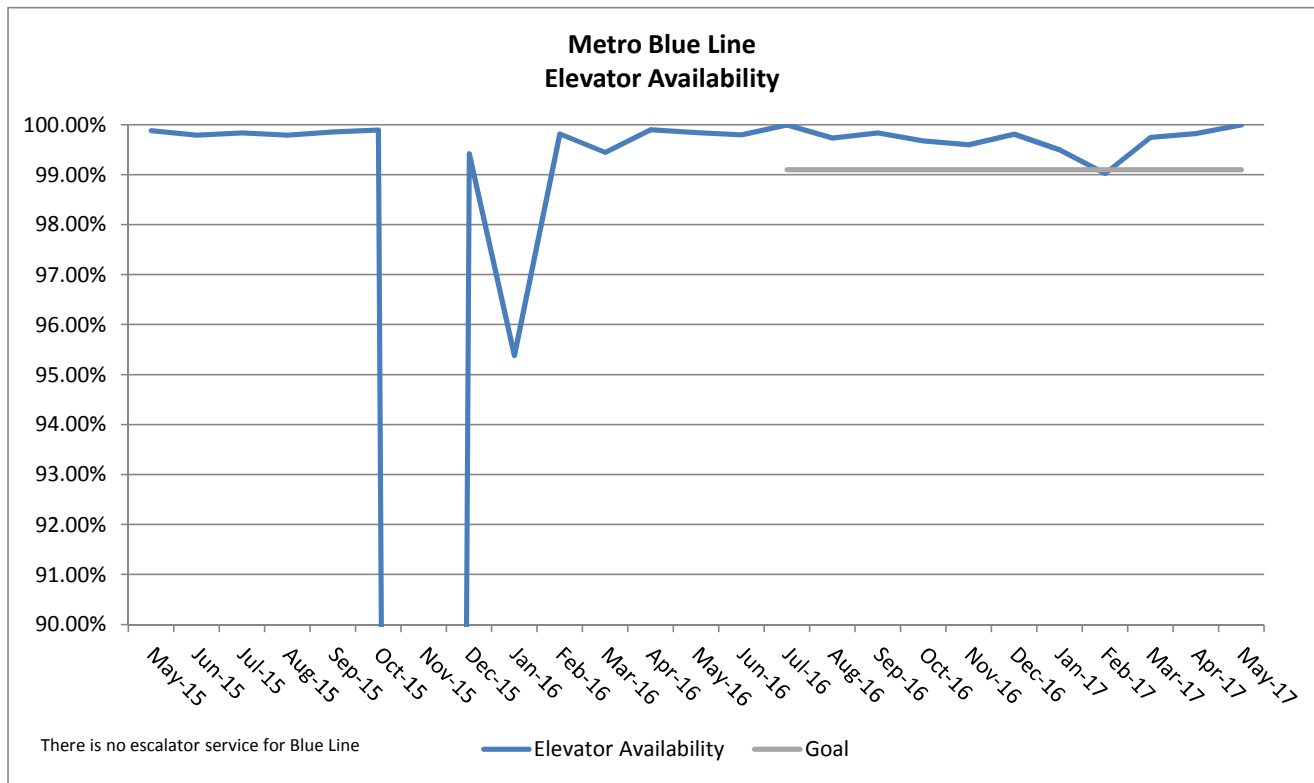
LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY



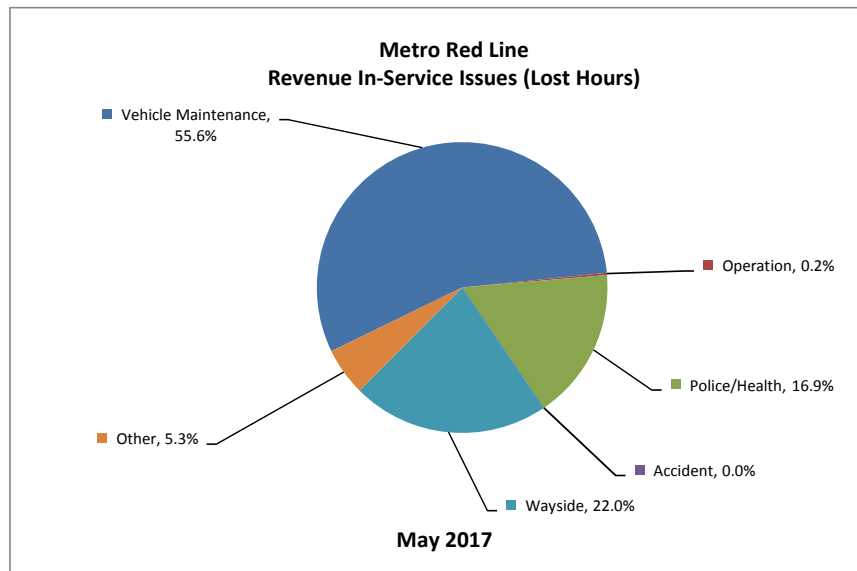
RED LINE

Out of a total of 28,380 hours operated, there were approximately 64 total hours of service delays.

May 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	28,316	99.8%
Cancelled + Delayed Hours	64	0.2%
Total Revenue Hours	28,380	100.0%

Summary of the major contributors:	Count	Hours	Percent
Operations	2	0.2	0.2%
Accidents	0	0.0	0.0%
Vehicle Maintenance	16	35.6	55.6%
Wayside	2	14.1	22.0%
Police & Health	6	10.8	16.9%
Other	5	3.4	5.3%
Total	31	64.0	100.0%

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



May 2017 Red Line major delay contributors were as follows:

Operations Incidents:

5/10/2017 2:35:00 PM - Incident# 2865033 (0 lost trips, 5 lost minutes)

CCTV reports passengers report there is a K-9, beneath the train that is on the AR platform at North Hollywood Station.

5/30/2017 10:48:00 PM - Incident# 2871745 (0 lost trips, 5 lost minutes)

Train 219 overshoot the platform by 1 car.

T-166

Train 219

Cars 593-594-591-592-581-(582)

7th/Metro AL eastbound.

Vehicle Maintenance Incidents:

5/2/2017 7:25:00 AM - Incident# 2862038 (0 lost trips, 10 lost minutes)

Emergency brakes application

Train 205

T-101

Union Station

(549) 550 593 594 577 578

5/3/2017 9:19:00 AM - Incident# 2862486 (1 lost trip, 148 lost minutes)

Emergency brake applications EMO required East and West

Train 206

Cars (539)-540-565-(566)

7th/Metro AR West

Wilshire Western BR East

5/3/2017 4:27:00 PM - Incident# 2862721 (1 lost trip, 168 lost minutes)

The Console Auxiliary Annunciator Circuit Breaker Failure.

Train #218

T-169

Cars #543-544-593-594-595-(586).

E/Bound Hollywood Highland Station A/L Track.

5/5/2017 6:40:00 AM - Incident# 2863306 (1 lost trip, 149 lost minutes)

Emergency Brake not releasing.

Wilshire Western Station, BR W/bound.

Cars: 509 508 505 (506).

Train 208.

T-271.

5/5/2017 10:09:00 AM - Incident# 2863378 (0 lost trips, 5 lost minutes)

Train 202 (527,522,503,504) T-378, Wilshire Western, BR reports no cab signals in car 504.

5/6/2017 7:23:00 AM - Incident# 2863629 (3 lost trips, 522 lost minutes)

Friction Brakes would not release

Train 202

T-080

Westlake AL East

Cars 539-540-603-604-599-(600)

5/10/2017 3:04:00 PM - Incident# 2865060 (0 lost trips, 17 lost minutes)

Recurring emergency brake application.

Train # 213

T-328

Cars #547-(548)

E/Bound Vermont Santa Monica A/L Track.

5/10/2017 6:41:00 PM - Incident# 2865119 (2 lost trips, 297 lost minutes)

Train 215

T-355

Cars 595,596,603, (604), 599, 600

CP 12.6, AR, WB

5/15/2017 3:29:00 PM - Incident# 2866566 (0 lost trips, 9 lost minutes)

Recurring emergency brake application.
Train #203
T-329
Cars #537-538-547-(548).
E/Bound Westlake Station A/L Track.

5/16/2017 6:39:00 AM - Incident# 2866763 (1 lost trip, 148 lost minutes)

North Hollywood AL Track, Train-201 T-364 cars 507/510/505/506/515/516 without movement.

5/17/2017 6:59:00 PM - Incident# 2867428 (0 lost trips, 12 lost minutes)

Service brake failure with no movement.
Train #217
T-328
Cars #505-506-515-516-523-528.
W/Bound Mile Marker 12.8 A/R Track.

5/21/2017 2:10:00 PM - Incident# 2868684 (0 lost trips, 15 lost minutes)

Train 202 Car 519 developed emergency brakes application and not releasing.

5/21/2017 8:35:00 PM - Incident# 2868760 (2 lost trips, 325 lost minutes)

Train 210 reports emergency brakes will not release.
Cars 593, 594, 551, 552, 547, 548
Train 210
T-516
Hollywood Vine IL/

5/24/2017 1:35:00 AM - Incident# 2869631 (1 lost trip, 148 lost minutes)

Operator reports LVPS failure.
Universal City Station, AL W/bound.
Cars: 547 548 (571 572) 573 574
Train 219.
T-012.

5/27/2017 1:36:00 PM - Incident# 2870880 (0 lost trips, 9 lost minutes)

Report of emergency brake won't released.
T-329
Train 207
Cars 583-584-587-588-569-570
North Hollywood AR eastbound.

5/27/2017 5:14:00 PM - Incident# 2870945 (1 lost trip, 153 lost minutes)

Report smoke coming from side vent on car 529.

Wayside Incidents:

5/13/2017 6:37:00 AM - Incident# 2865943 (4 lost trips, 696 lost minutes)

SCADA / TRACS display ETS049 / ETS006 at Westlake tripped, caused D03 / WV, D05 / WM and D05 7th M. opened.

5/17/2017 10:14:00 PM - Incident# 2867466 (1 lost trip, 148 lost minutes)

ETS tripped # 059./Deluge activated on the AL platform.
Union Station.

Police & Health Incidents:

5/7/2017 3:24:00 PM - Incident# 2863896 (0 lost trips, 5 lost minutes)

Intrusion alarm produced from AR, E/end.
Vermont Beverly Station.

5/14/2017 7:21:00 PM - Incident# 2866239 (0 lost trips, 10 lost minutes)

Report of male black adult wearing a gray hoodie possibly having a gun.

5/15/2017 7:30:00 AM - Incident# 2866370 (1 lost trip, 148 lost minutes)

Patron with open wound leaking bodily fluids on car 554
Train 210
T-009
Cars 545-546-543-544-553-(554)
Westlake MacArthur AR West

5/19/2017 9:21:00 AM - Incident# 2868107 (3 lost trips, 474 lost minutes)

SCADA indicates intrusion alarm activated at Pershing Square Station, AR, West intrusion gate.

5/27/2017 1:07:00 AM - Incident# 2870785 (0 lost trips, 7 lost minutes)

Westlake AL/LASD requested to hold TR 214 at the station.

5/27/2017 6:36:00 AM - Incident# 2870808 (0 lost trips, 4 lost minutes)

Train 205 Car 574 passenger experiencing a seizure.

Other Incidents:

5/13/2017 10:05:00 AM - Incident# 2865970 (1 lost trip, 176 lost minutes)

Report of urine inside cab.

T-199

Train 205

Cars (53)1-532-575-576-551-552

5/15/2017 11:01:00 PM - Incident# 2866649 (0 lost trips, 5 lost minutes)

Train #201 T-031 reports marijuana smoker on board cars # 565.

5/19/2017 3:40:00 PM - Incident# 2868272 (0 lost trips, 5 lost minutes)

CCTV R-430 states contract security reports that train 203 (565,566,587,588) at Union Station, AR platform on car 565, there is a male black individual passed out.

5/25/2017 2:10:00 PM - Incident# 2870287 (0 lost trips, 10 lost minutes)

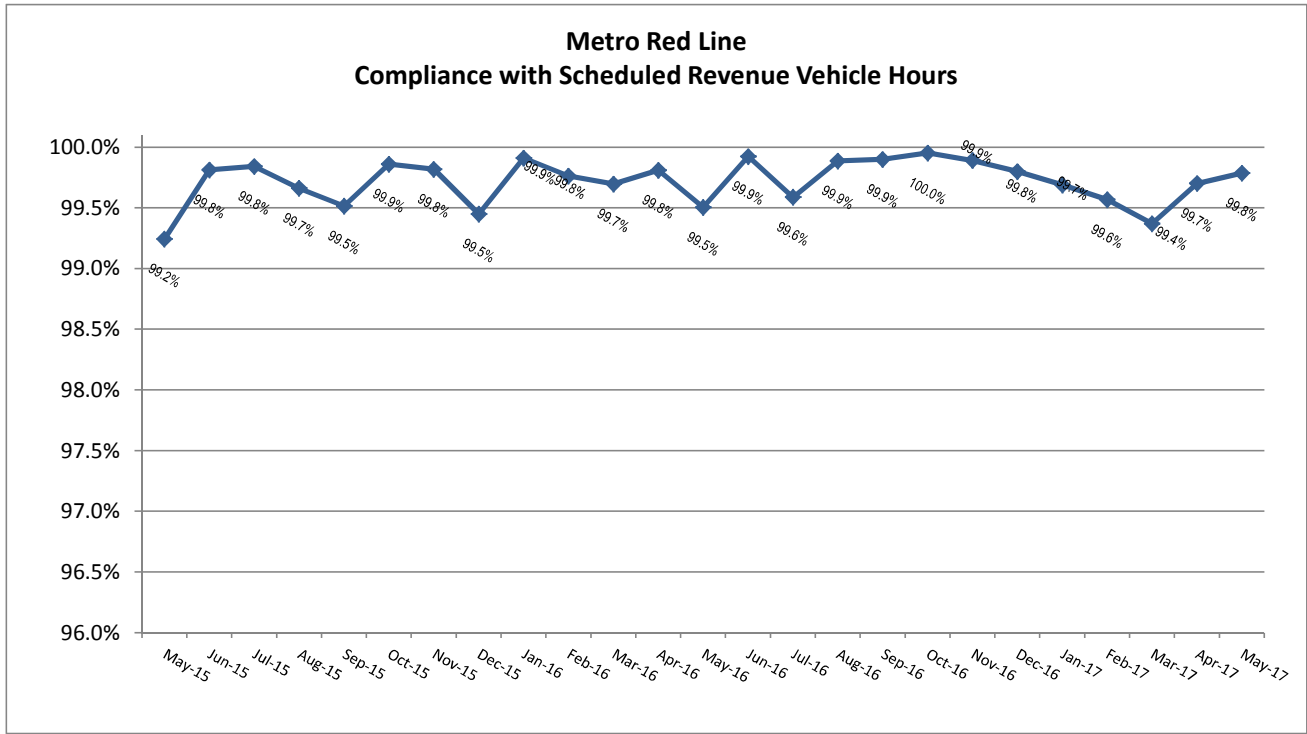
Unruly passenger on Train 203 car 580 at Wilshire/Western.

5/28/2017 7:37:00 AM - Incident# 2871017 (0 lost trips, 8 lost minutes)

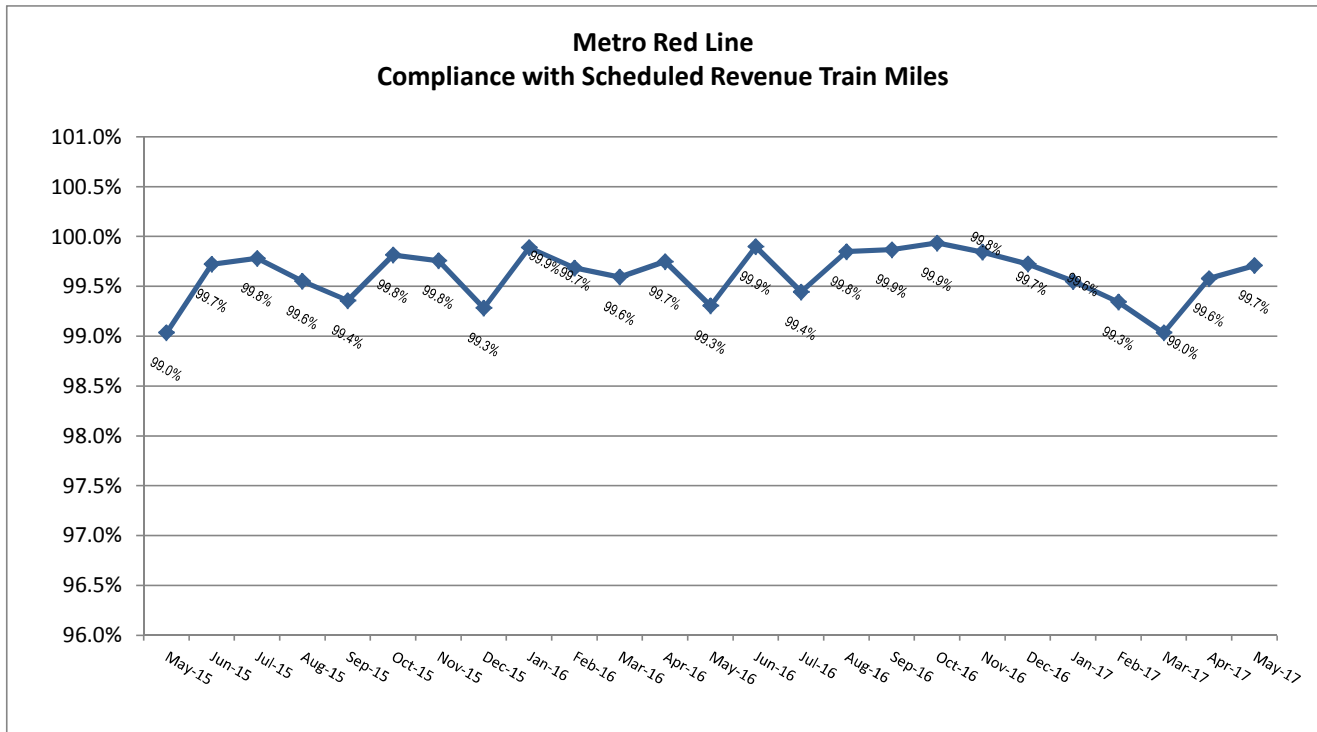
Train delay caused by person in the nude onboard train 204 at 7th Metro. Train held by law enforcement. Car 559.
601/602 589/590 (559)/560

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

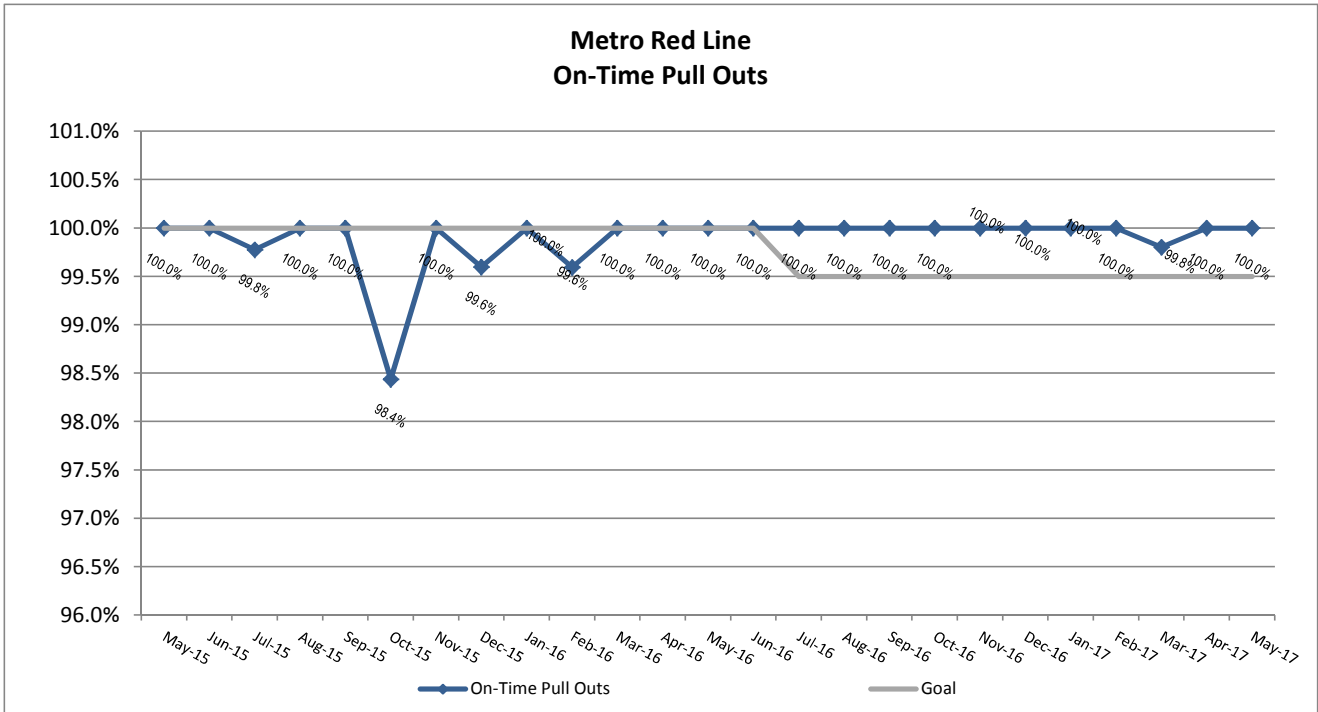
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



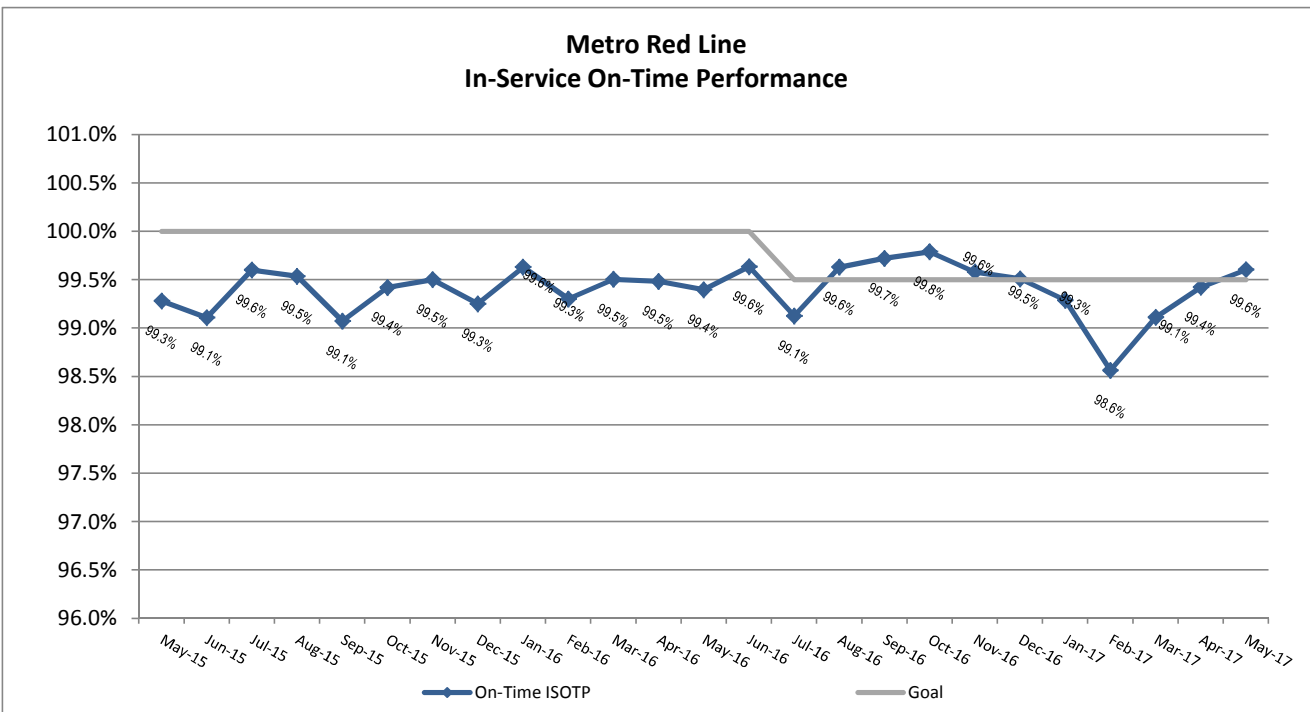
COMPLIANCE WITH SCHEDULED TRAIN MILES



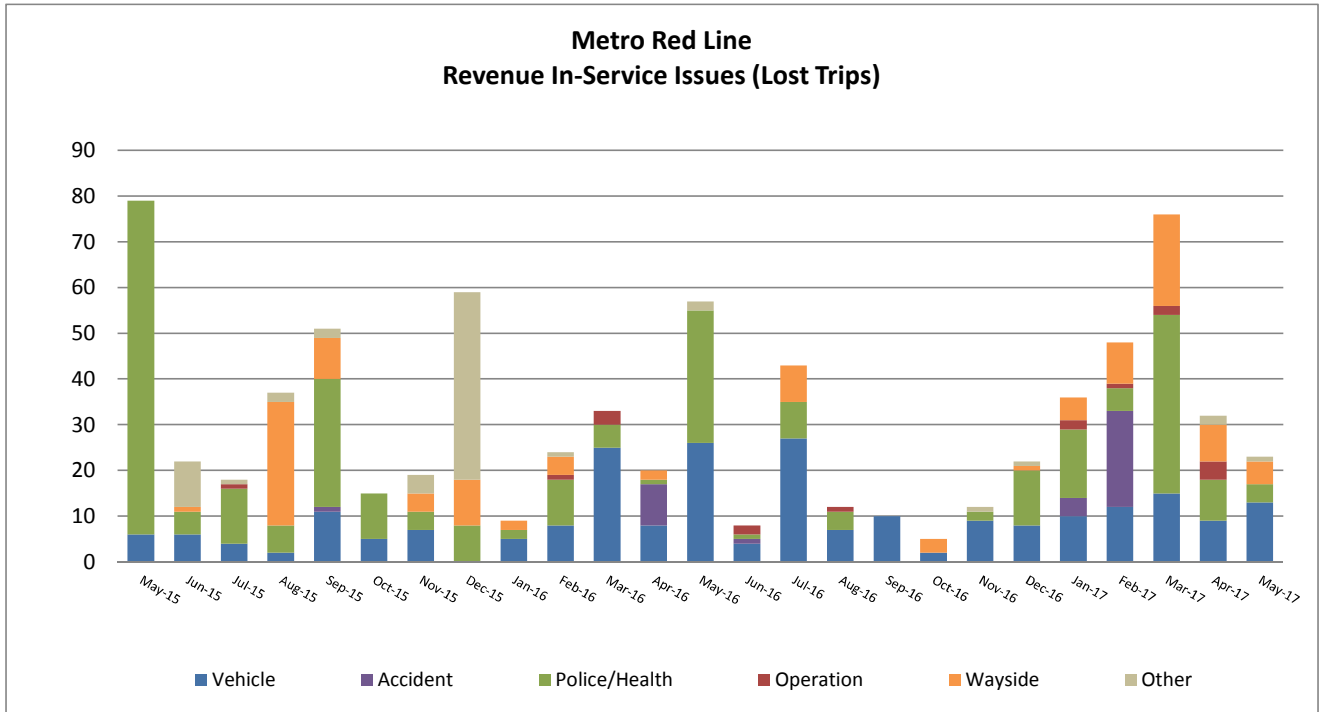
ON-TIME PULL OUTS



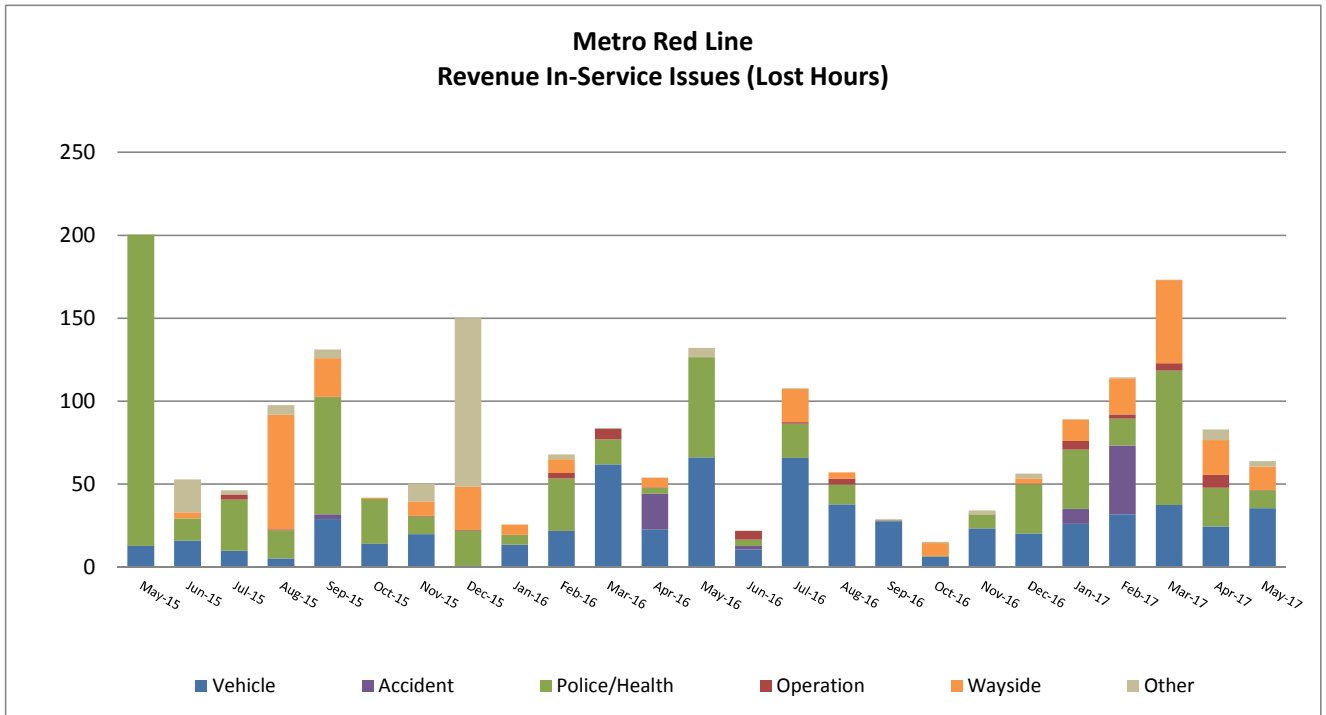
IN-SERVICE ON-TIME PERFORMANCE



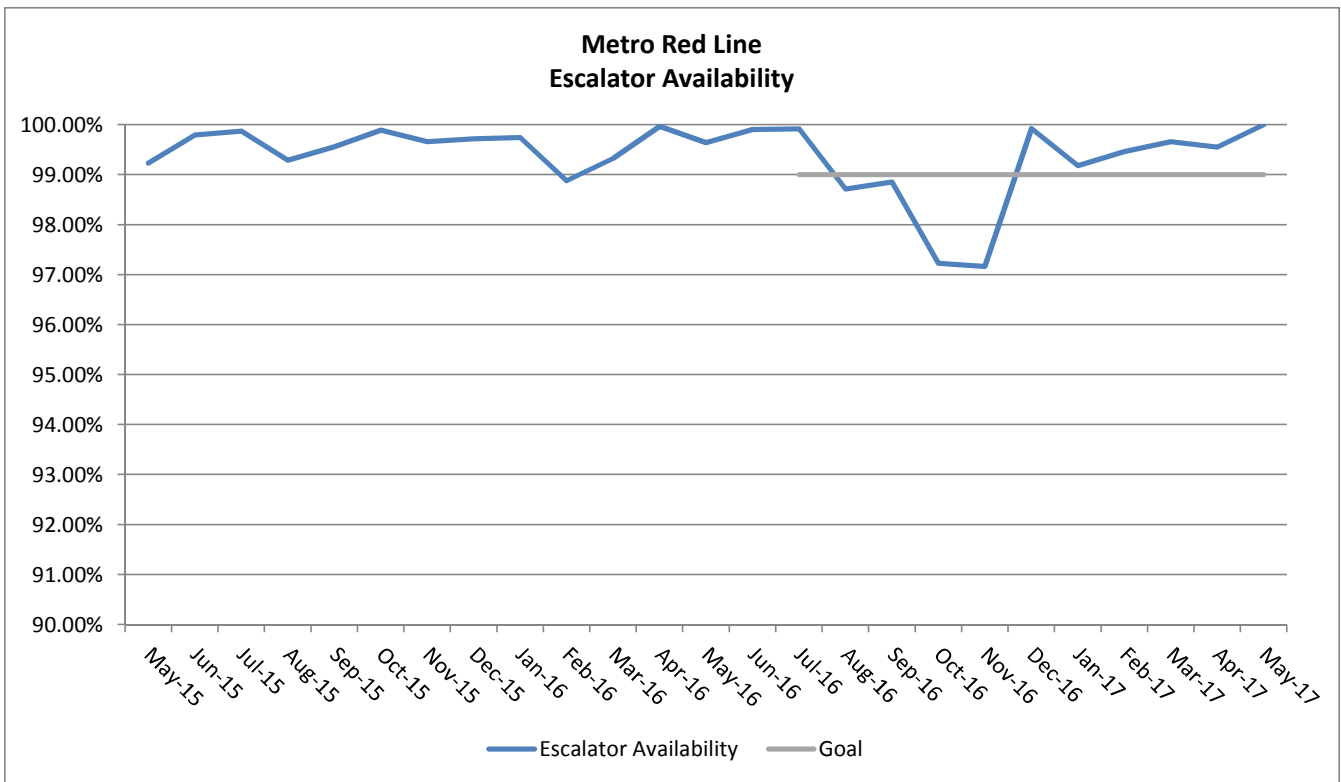
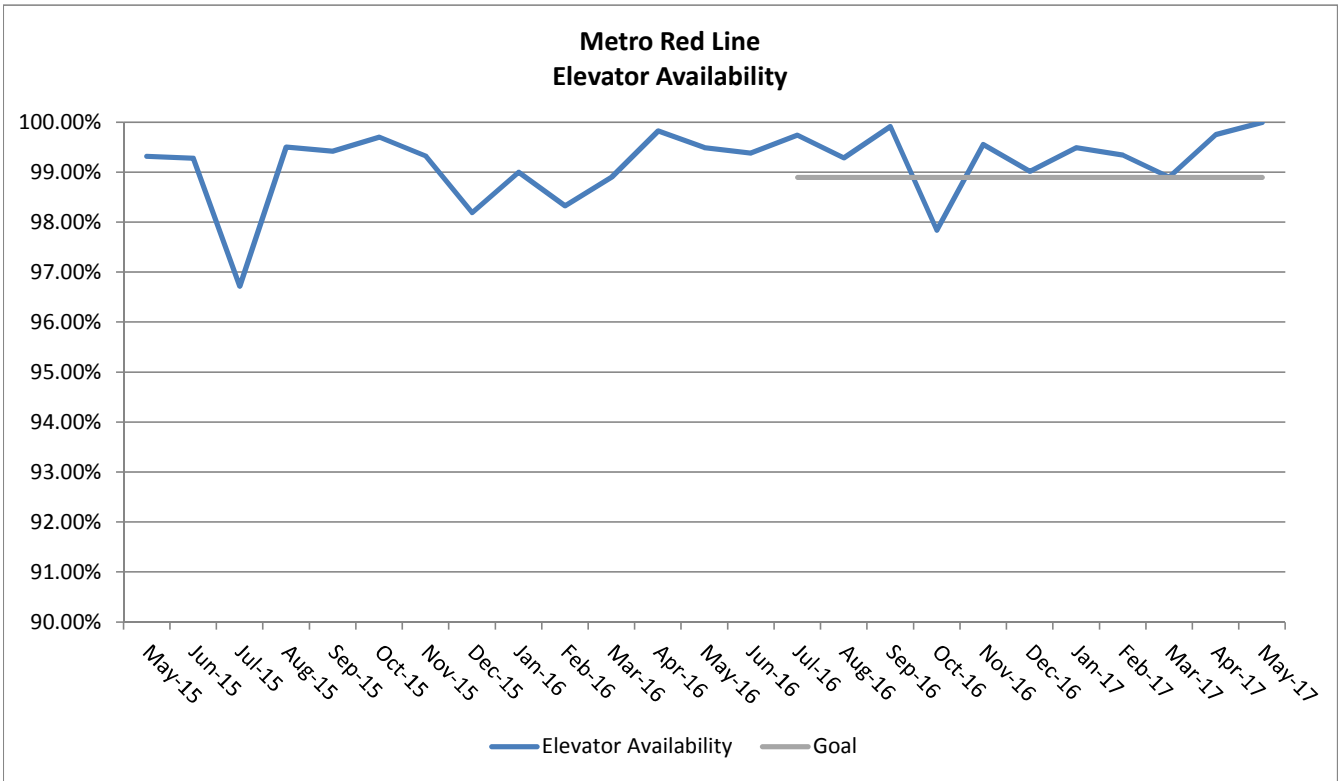
LOST TRIPS



LOST TRIPS



VERTICAL TRANSPORTATION AVAILABILITY



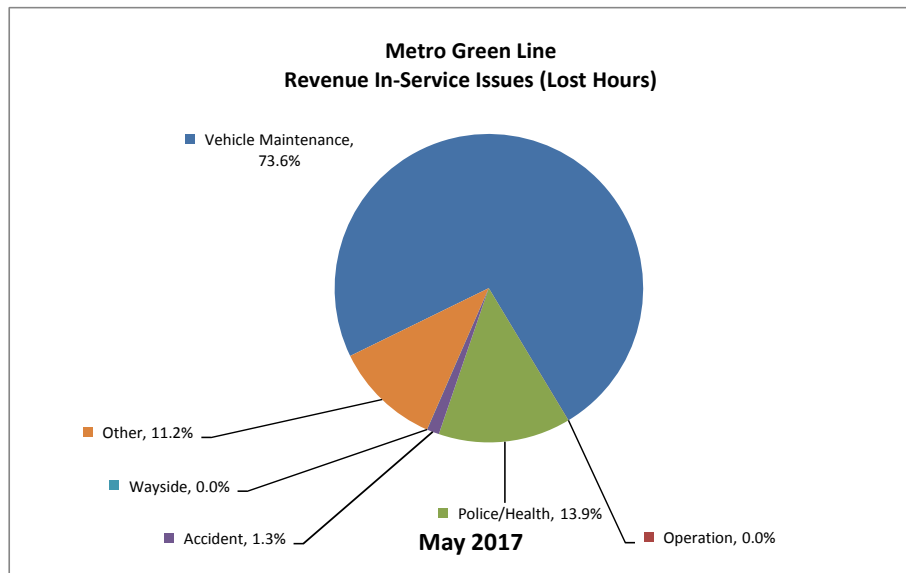
GREEN LINE

Out of a total of 8,442 hours operated, there were approximately 21 total hours of service delays.

May 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	8,421	99.8%
Cancelled + Delayed Hours	21	0.2%
Total Revenue Hours	8,442	100.0%

Summary of the major contributors:	Count	Hours	Percent
Operations	0	0.0	0.0%
Accidents	1	0.3	1.3%
Vehicle Maintenance	18	15.5	73.6%
Wayside	0	0.0	0.0%
Police & Health	7	2.9	13.9%
Other	2	2.4	11.2%
Total	29	21.0	100.0%

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



May 2017 Green Line major delay contributors were as follows:

Operations Incidents:

5/19/2017 8:34:00 AM - Incident# 2868080 (0 lost trips, 4 lost minutes)

Track Allocation, OCS repairs.
TP-121
Wilmington West 18 to Vermont #030

Accidents:

5/19/2017 10:29:00 AM - Incident# 2868118 (0 lost trips, 17 lost minutes)

Slip/Fall, cars #(203A)-205
Train #334
T-113
El Segundo Station, Track #001, Westbound.

Vehicle Maintenance Incidents:

5/2/2017 6:24:00 AM - Incident# 2861997 (1 lost trip, 66 lost minutes)

Train 334, LRV's (206A) and 204.
Aviation Station, Track 2 eastbound.
Prop fault with speed restriction.

5/4/2017 4:50:00 AM - Incident# 2862832 (1 lost trip, 66 lost minutes)

Train 338 reports propulsion faults
T-13, Train 338
Track 1, Lakewood, West
223-(202)

5/5/2017 3:27:00 PM - Incident# 2863473 (1 lost trip, 64 lost minutes)

Operator reports Train 343 has re-occurring propulsion faults.
Cars (218), 220
Train 343
T-112
Avalon TRK 2, eastbound

5/6/2017 6:02:00 PM - Incident# 2863753 (1 lost trip, 60 lost minutes)

Operator reports propulsion failure and door problem on Car 222.
Cars 212, 222
Train 333
T-71
Avalon and Wilmington TRK 2, eastbound

5/7/2017 1:01:00 PM - Incident# 2863873 (0 lost trips, 14 lost minutes)

Propulsion / Dynamic Brakes(203A)-223
Train #335
T-064
Long Beach Station, Track #001, Westbound

5/7/2017 6:57:00 PM - Incident# 2863939 (0 lost trips, 15 lost minutes)

Propulsion Fault on car 210B
Train 331
212-(210B)
Douglas Station Track #2.
T-496

5/8/2017 1:25:00 PM - Incident# 2864236 (1 lost trip, 66 lost minutes)

Operator reports a non clearing propulsion fault on Car 213A.
Cars (213A), 227
Train 332
T-140
Lakewood TRK 1, westbound

5/8/2017 5:57:00 PM - Incident# 2864334 (1 lost trip, 78 lost minutes)

Operator reports a propulsion failure on Car 203A.
Cars (203A), 214
Train 343
T-112
Long Beach TRK 1, westbound

5/11/2017 8:15:00 AM - Incident# 2865272 (0 lost trips, 5 lost minutes)

Train 333 reports re-occurring propulsion faults
T-57, Train 333
Track 2, Douglas, Eastbound
(223A)-203

5/12/2017 2:58:00 PM - Incident# 2865808 (3 lost trips, 193 lost minutes)

AC fault no movement 206A-218
Train 343
T-177
Track 2
Eastbound
Harbor station
ATO MODE

5/14/2017 5:17:00 PM - Incident# 2866225 (0 lost trips, 5 lost minutes)

Auto Train Protection (Speed Limit) Cars #(217A)-206
Train #335
T-096
Lakewood Station, Track #002, Eastbound.

5/17/2017 6:30:00 AM - Incident# 2867137 (0 lost trips, 10 lost minutes)

Car 220 A Propulsion fault with speed restriction
Train 333
T-136
Avalon track 1 Westbound
Consist 220-212

5/17/2017 6:54:00 PM - Incident# 2867426 (1 lost trip, 66 lost minutes)

Operator reorts multiple propulsion faults in Car 202A.
Cars 203, (202A)
Train 343
T-294
Vermont TRK 2, eastbound

5/18/2017 3:39:00 PM - Incident# 2867824 (3 lost trips, 197 lost minutes)

Doors will not open
Car 207
Train 445
Eastbound
Aviation Station

5/20/2017 12:56:00 PM - Incident# 2868469 (0 lost trips, 3 lost minutes)

Propulsion fault. car 214-203
T-396
Train 333
Track 1
Norwalk station
Westbound
ATO MODE

5/22/2017 6:55:00 AM - Incident# 2868881 (0 lost trips, 5 lost minutes)

Friction Brakes, Cars #(212B)-214
Train #335
T-210
Long Beach Feature, Track #002, Eastbound.

5/28/2017 3:25:00 PM - Incident# 2871086 (0 lost trips, 4 lost minutes)

Reoccurring propulsion fault car 243-206
Train 335
T-274
Track 1
Westbound
Mariposa station
ATO MODE

5/30/2017 10:57:00 PM - Incident# 2871751 (0 lost trips, 12 lost minutes)

Propulsion fault with speed restriction.
Train 343
T-247
Track 1, W/B
Aviation Station
ATO Mode
226-(203)

Police & Health Incidents:

5/5/2017 8:08:00 AM - Incident# 2863331 (0 lost trips, 14 lost minutes)

Medical Emergency on Train 337 at Rosa Parks
T-193, Train 334
Track 1, West, Rosa Parks
228-(221)

5/10/2017 1:02:00 PM - Incident# 2864984 (0 lost trips, 8 lost minutes)

Sick Individual, cars #(211B)-224
LASD: Lane
Lakewood Station, Westbound, Track #001.

5/18/2017 10:12:00 AM - Incident# 2867650 (0 lost trips, 13 lost minutes)

Assault, Cars (218)-221
LASD: Roggy
Douglas Station, Track #002, Eastbound.

5/18/2017 10:43:00 AM - Incident# 2867669 (0 lost trips, 3 lost minutes)

Assault (physical altercation), cars #(204B)-216
Train #335
T-148
Mariposa Station, Track #001, Westbound.

5/20/2017 9:09:00 AM - Incident# 2868421 (0 lost trips, 3 lost minutes)

Train 335, T-210 at Marine Station. LASD Deputies altercation with patron.

5/21/2017 4:02:00 PM - Incident# 2868719 (0 lost trips, 10 lost minutes)

Assault on the street level Long Beach station.

5/28/2017 5:03:00 PM - Incident# 2871099 (2 lost trips, 124 lost minutes)

Possible robbery suspect at Harbor station, LASD states to bypass station.

Other Incidents:

5/12/2017 3:03:00 PM - Incident# 2865829 (0 lost trips, 10 lost minutes)

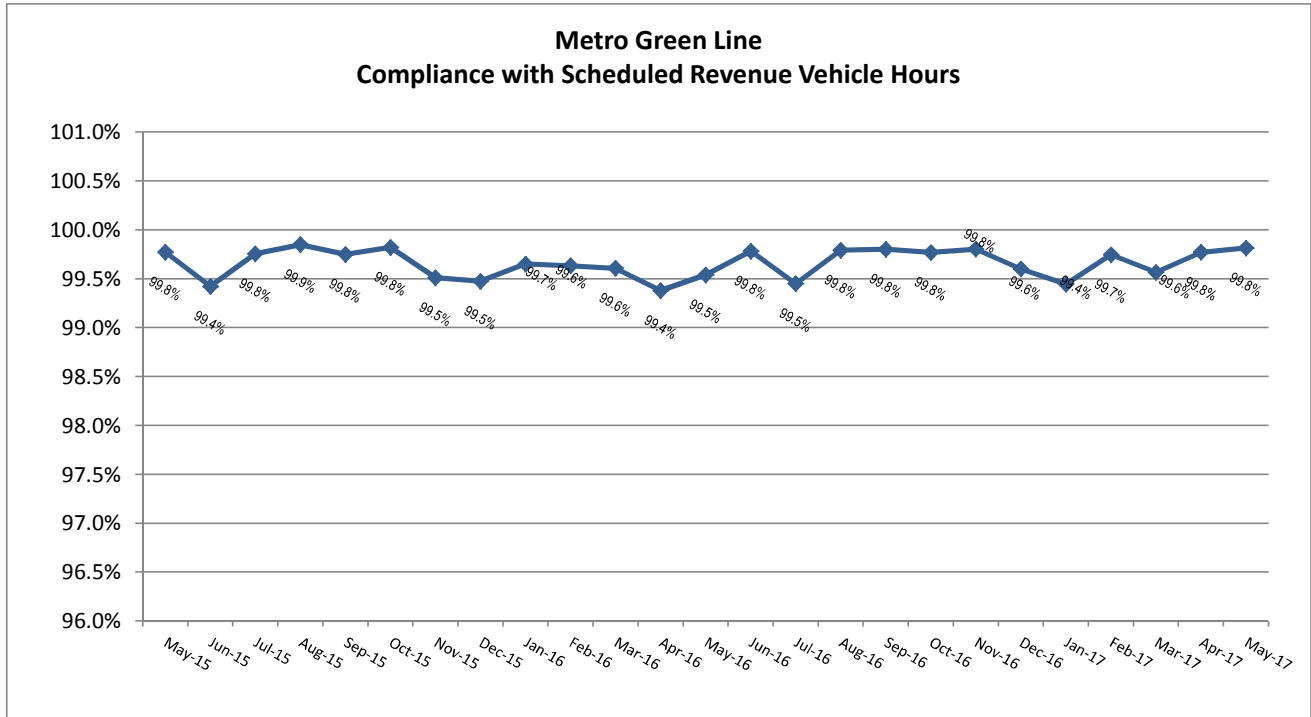
Operator T-112 departed 10 minutes late from the yard.
Train 345
T-112
225-226
Yard limits
Eastbound

5/24/2017 2:23:00 PM - Incident# 2869880 (2 lost trips, 132 lost minutes)

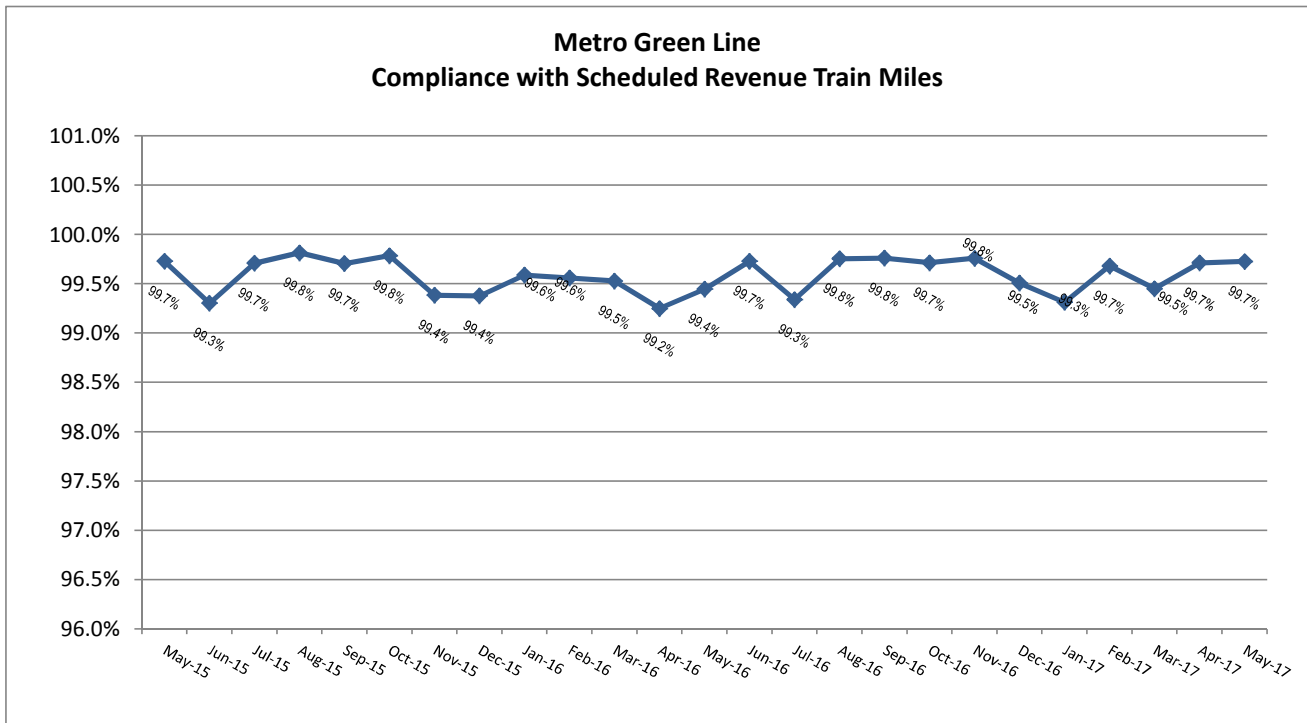
Roll-Out, Train #346

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

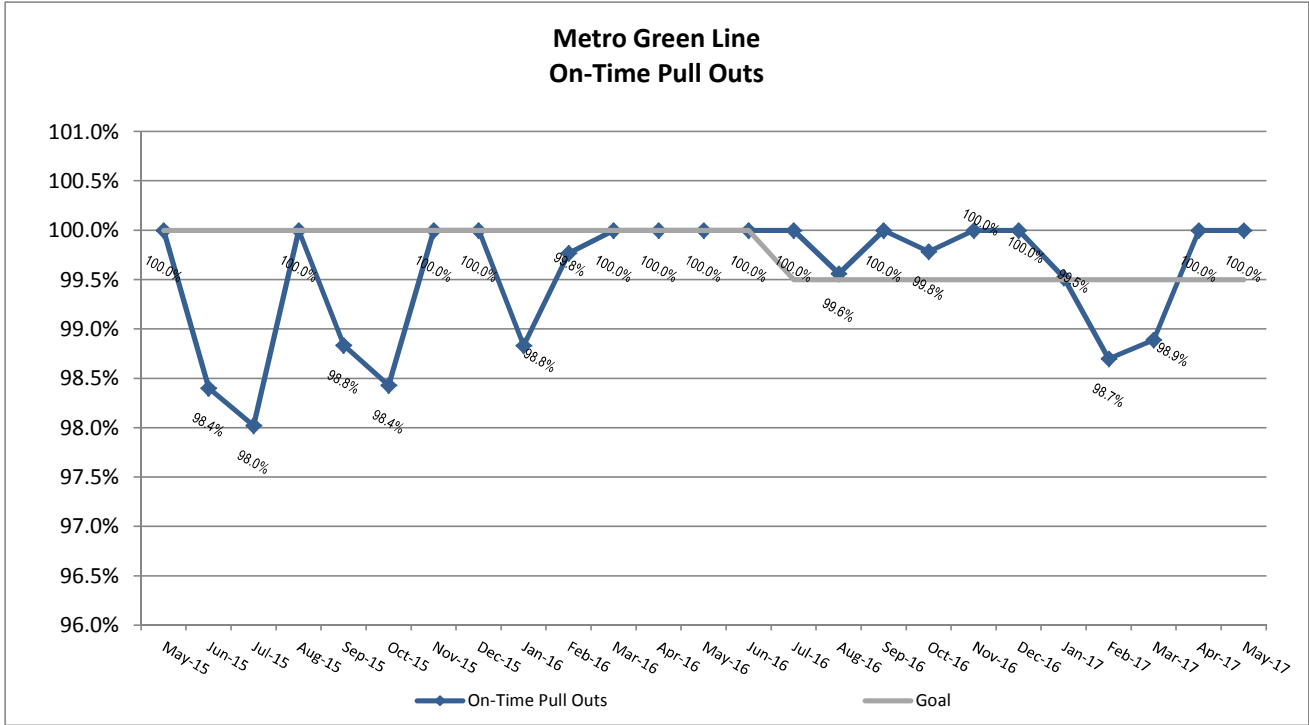
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



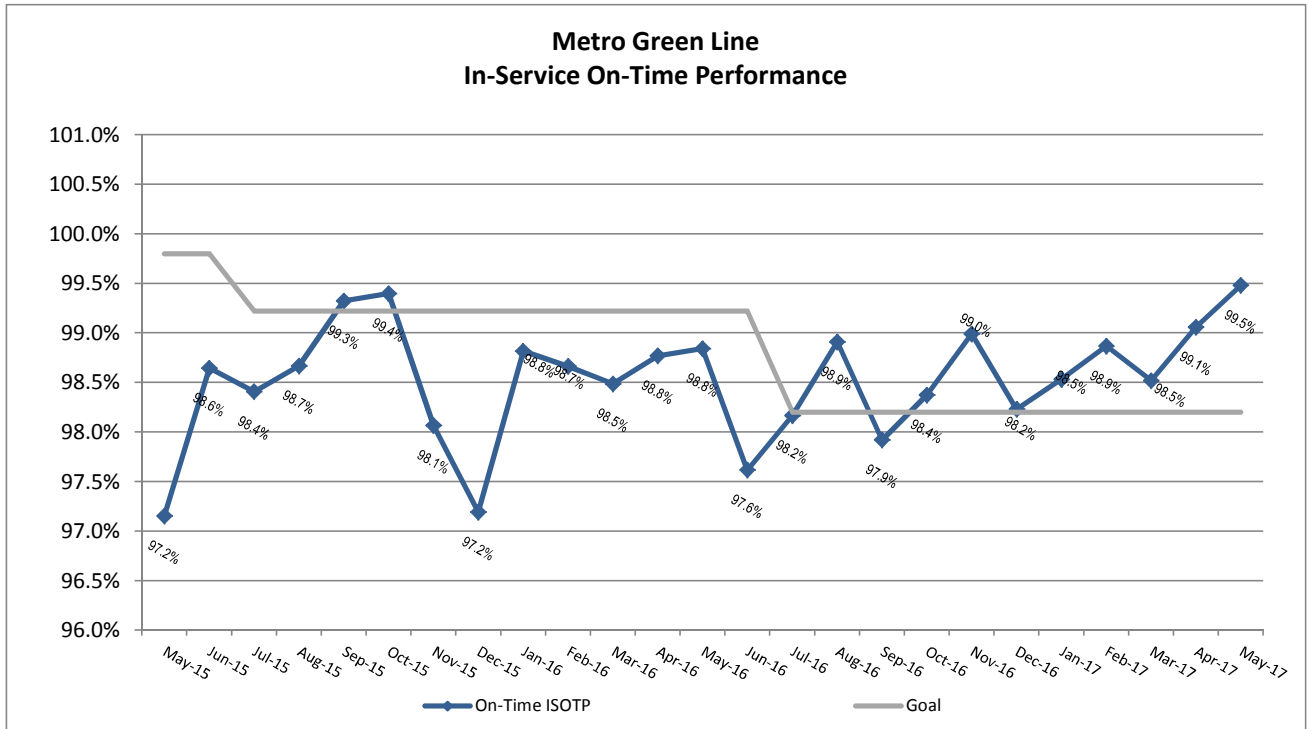
COMPLIANCE WITH SCHEDULED TRAIN MILES



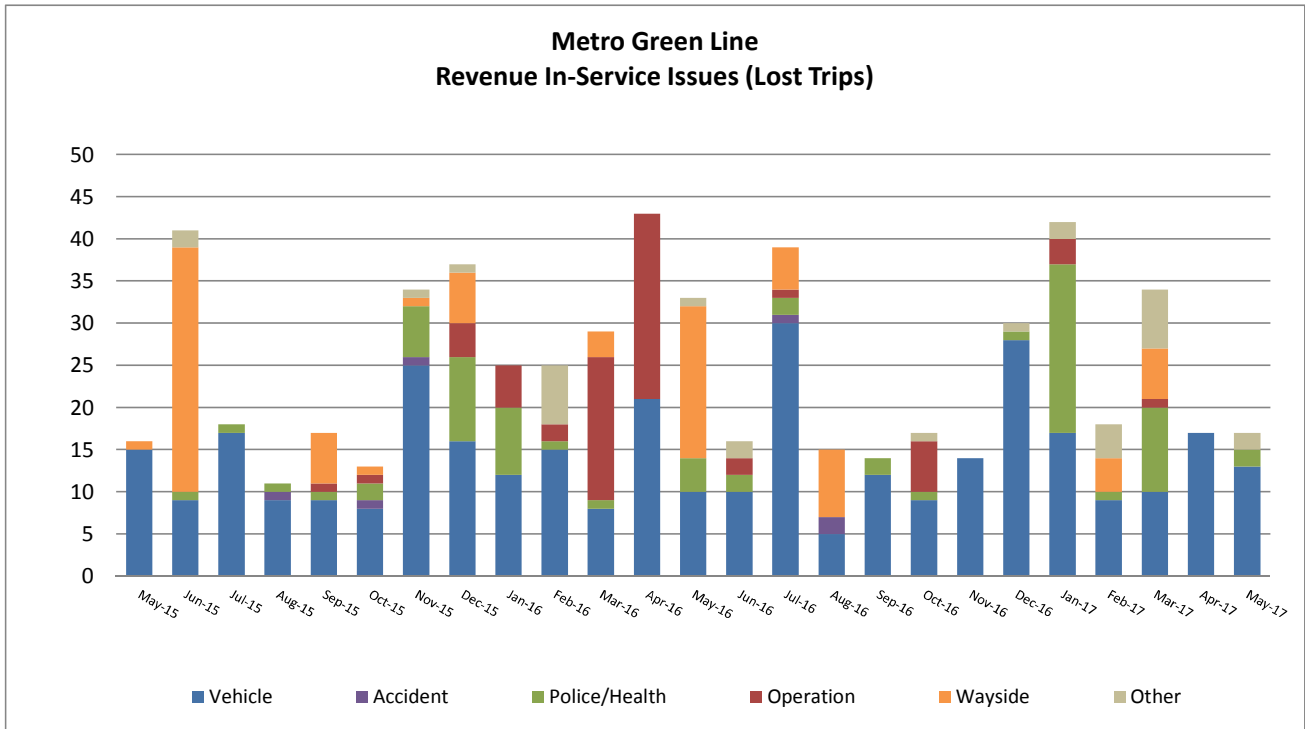
ON-TIME PULL OUTS



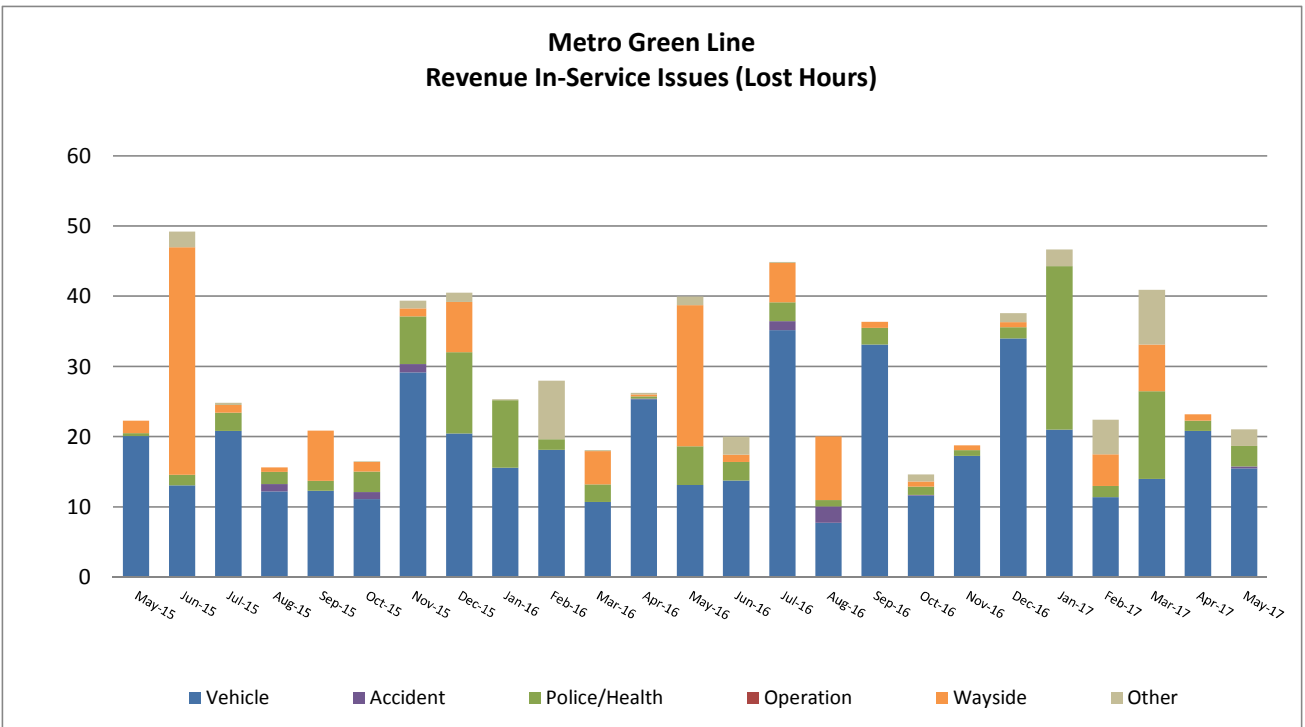
IN-SERVICE ON-TIME PERFORMANCE



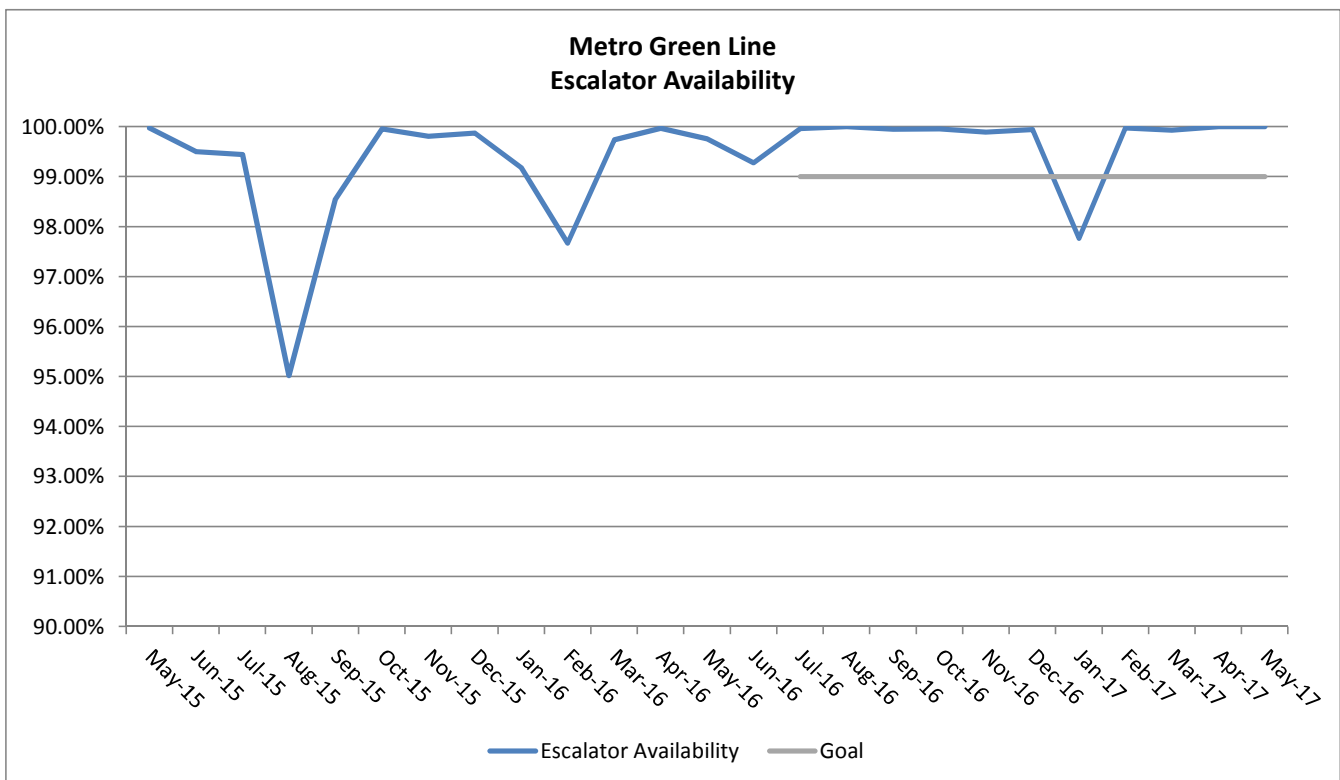
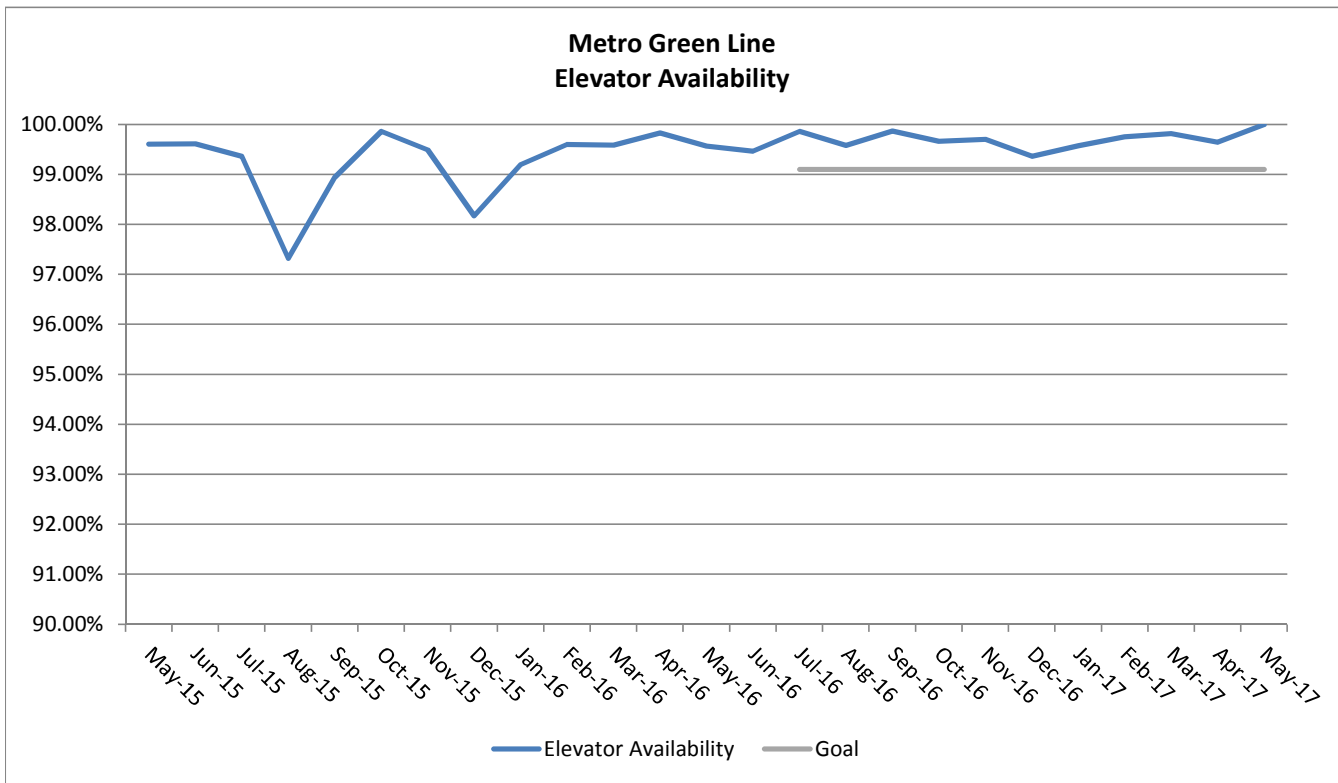
LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY



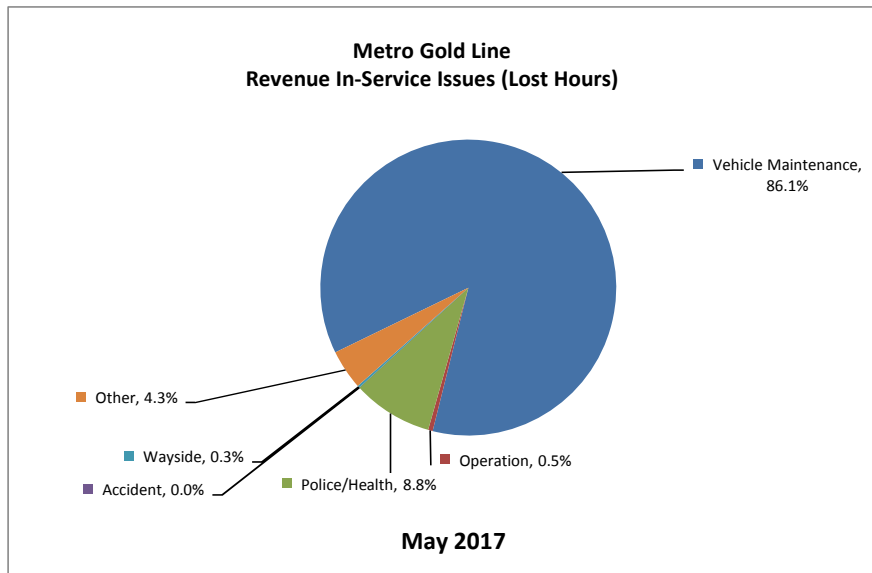
GOLD LINE

Out of a total of 20,743 hours operated, there were approximately 100 total hours of service delays.

May 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	20,643	99.5%
Cancelled + Delayed Hours	100	0.5%
Total Revenue Hours	20,743	100.0%

Summary of the major contributors:	Count	Hours	Percent
Operations	2	0.5	0.5%
Accidents	0	0.0	0.0%
Vehicle Maintenance	18	85.7	86.1%
Wayside	1	0.3	0.3%
Police & Health	9	8.8	8.8%
Other	2	4.3	4.3%
Total	32	99.6	100.0%

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



May 2017 Gold Line major delay contributors were as follows:

Operations Incidents:

5/7/2017 12:02:00 PM - Incident# 2863878 (0 lost trips, 12 lost minutes)

Train 412 APU/Citrus

T-158

Apha King

Southbound

12 minutes service delay due to operator abandon her train @ APU/Citrus.

5/16/2017 1:00:00 PM - Incident# 2866919 (0 lost trips, 18 lost minutes)

18 minutes service delay 703-712

Train 453

T-441

Southbound

APU/Citrus-Atlantic

Instructor R-89 with student operators cause delay.

Vehicle Maintenance Incidents:

5/1/2017 1:31:00 PM - Incident# 2861739 (0 lost trips, 15 lost minutes)

T-106 reports propulsion fault and speed restriction on train 415 cars 1005 and 1007, Duarte Station, Track 2, Southbound.

5/1/2017 7:35:00 PM - Incident# 2861883 (2 lost trips, 483 lost minutes)

Head lights dark on consist (709A)710.

Lake Station

Train #451, T-186, track #1, northbound.

5/2/2017 4:54:00 AM - Incident# 2861973 (2 lost trips, 480 lost minutes)

Smoking Brakes 720B

Train 413

T-19

Tk 2 SB Southwest Museum

721-720-739

5/3/2017 10:36:00 PM - Incident# 2862781 (0 lost trips, 14 lost minutes)

No head lights or cyclops light (741A)722.

Union Station

Train #434, T-228, track #1, northbound.

5/8/2017 5:34:00 AM - Incident# 2864004 (0 lost trips, 5 lost minutes)

Train 401 Door Problems in Unknown car

T-66

Train 401

Track 1 APU SB

729-731

5/10/2017 12:36:00 PM - Incident# 2864969 (0 lost trips, 12 lost minutes)

T-129 states friction brakes keep reapplying on Train 455 (cars 706, 705) on lead car 706B, Citrus Station, Platform 1, Southbound.

5/10/2017 9:41:00 PM - Incident# 2865142 (1 lost trip, 240 lost minutes)

(1009)-1010

ATP Failure

Train 455

NB Atlantic

T-163

5/16/2017 6:33:00 AM - Incident# 2866760 (1 lost trip, 250 lost minutes)

Intermittent ATP failure Train 415 1009

Train 415

T-65

Tk 1 NB South Pasadena

1005-1059-1009

5/16/2017 4:45:00 PM - Incident# 2867011 (1 lost trip, 238 lost minutes)

T-382 reports LVPS fault on train 428 (cars 705, 702) affected car 705 at Union Station, Track 2, Southbound.

5/18/2017 6:51:00 AM - Incident# 2867578 (2 lost trips, 486 lost minutes)

Prop fault with speed restriction of 35 mph in 720B
T-129
Train 402
Track 2 SB Lake Station
727-720

5/19/2017 4:38:00 PM - Incident# 2868338 (5 lost trips, 1,202 lost minutes)

Cars (706-702) brakes not releasing and showing 9 faults.
T-91
Train 454
Del Mar Station, Track 1, northbound.

5/23/2017 5:45:00 PM - Incident# 2869540 (0 lost trips, 9 lost minutes)

Train 405 APS/LVPS fault no movement

T-263
Track 1 Atlantic Station
720-739

5/26/2017 2:12:00 PM - Incident# 2870688 (3 lost trips, 723 lost minutes)

Car 730B doors 7-8 , no movement.
T-88
Train 401
Cars 726-(730B)
Fillmore, Track 2, southbound.

5/30/2017 8:26:00 AM - Incident# 2871473 (0 lost trips, 7 lost minutes)

ATP Failure with no movement 1010-1006
Train 411
T-216
Northbound
Chinatown Station

5/30/2017 9:13:00 AM - Incident# 2871497 (1 lost trip, 246 lost minutes)

Emergency braking with no movement 1010-1006
Train 411
T-216
Northbound
Arcadia

5/30/2017 6:47:00 PM - Incident# 2871710 (1 lost trip, 246 lost minutes)

Cab 1010A no cab signal
Train 423
T-186
Consist 1010-1006
Atlantic Terminal platform 1

5/31/2017 5:31:00 AM - Incident# 2871786 (2 lost trips, 479 lost minutes)

Prop Fault with speed restriction car 731
Train 416
T-134
Track 1 NB Duarte
731-720

5/31/2017 6:20:00 AM - Incident# 2871842 (0 lost trips, 10 lost minutes)

Prop Fault with speed restriction car 1015
Train 404
T-36
Track 1 NB Del Mar
1015-1007

Wayside Incidents:

5/10/2017 10:30:00 AM - Incident# 2864921 (0 lost trips, 15 lost minutes)

TP-59, TP-121, TP-110, TP-119, TP-186, TP-187 will be conducting OSC maintenance on Track 1 between Southwest Musuem Interlocking and Baker Interlocking.

Police & Health Incidents:

5/1/2017 2:00:00 AM - Incident# 2861454 (0 lost trips, 15 lost minutes)

A large tree branch has fallen adjacent to Track 2 at MP 20.9 (2,000 feet north of Highland Ave) causing trains to be single tracked.

5/2/2017 8:45:00 PM - Incident# 2862348 (0 lost trips, 10 lost minutes)

LASD requesting most recent NB departure from Highland Park to be held for LASD unit; suspect aboard pulled a knife on other passengers.

5/4/2017 9:55:00 AM - Incident# 2863013 (0 lost trips, 8 lost minutes)

Train 407 Little Tokyo passenger having a seizure.
Car 728, Track 1, northbound.

5/8/2017 5:05:00 AM - Incident# 2863997 (0 lost trips, 5 lost minutes)

Trespasser on the ROW track 2 south of filmore.

5/17/2017 5:18:00 PM - Incident# 2867403 (1 lost trip, 245 lost minutes)

T-146 reports male having a seizure on Union Station Platform on Track 1 side. After Seizure male boarded train 405 (cars 1005, 1059), Track 1, Union Station, Northbound. Operating cab 1005A.

5/26/2017 6:18:00 AM - Incident# 2870501 (0 lost trips, 7 lost minutes)

Operator reports of a pedestrian who has tripped and fallen at the Monrovia grade crossing
Train 412
T-128
1008-1006
Monrovia Station, Trk. 2, northbound

5/27/2017 1:19:00 PM - Incident# 2870871 (1 lost trip, 224 lost minutes)

Sick patron

5/27/2017 6:23:00 PM - Incident# 2870959 (0 lost trips, 4 lost minutes)

Male patron on board unconscious
Train 408
T-430
Cars (742),723
Track 1 Azusa Citrus Station, Southbound

5/30/2017 6:58:00 AM - Incident# 2871456 (0 lost trips, 7 lost minutes)

Alleged fight on board train 417 track 2 SB at Lincoln Cypress.

Other Incidents:

5/18/2017 9:11:00 AM - Incident# 2867633 (0 lost trips, 14 lost minutes)

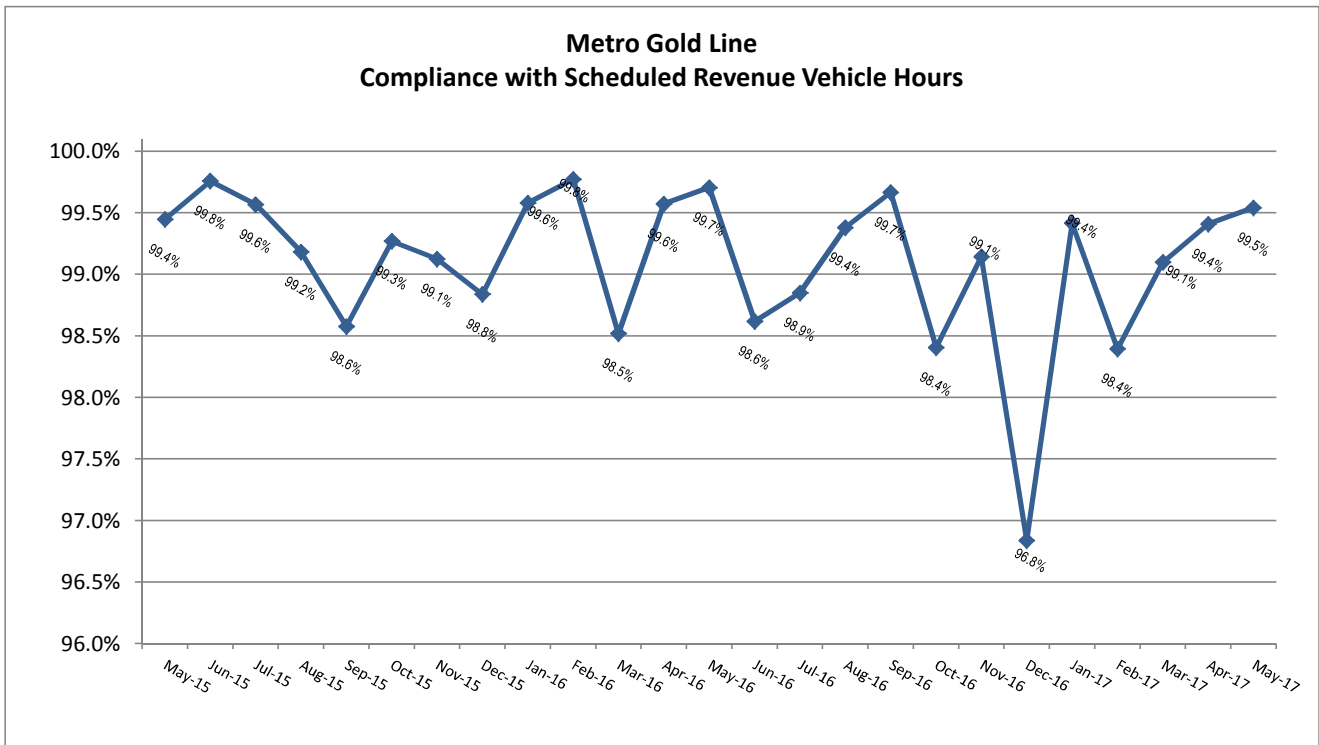
Passenger pulled emergency door release as train was departing Little Tokyo station. Track 1 northbound
Car 735

5/30/2017 3:36:00 PM - Incident# 2871668 (1 lost trip, 246 lost minutes)

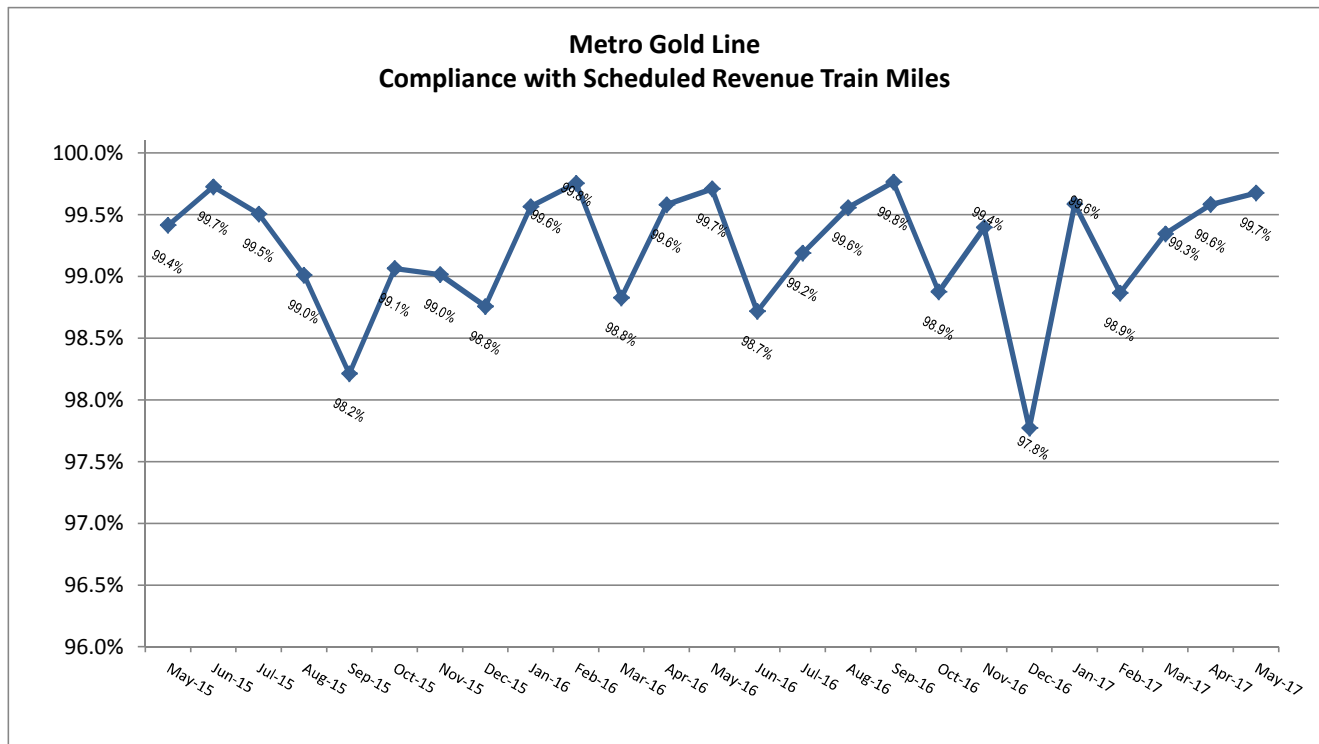
Outlate due to no equipment 722-733
Train 427
T-251
Northbound
Yard Limits.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

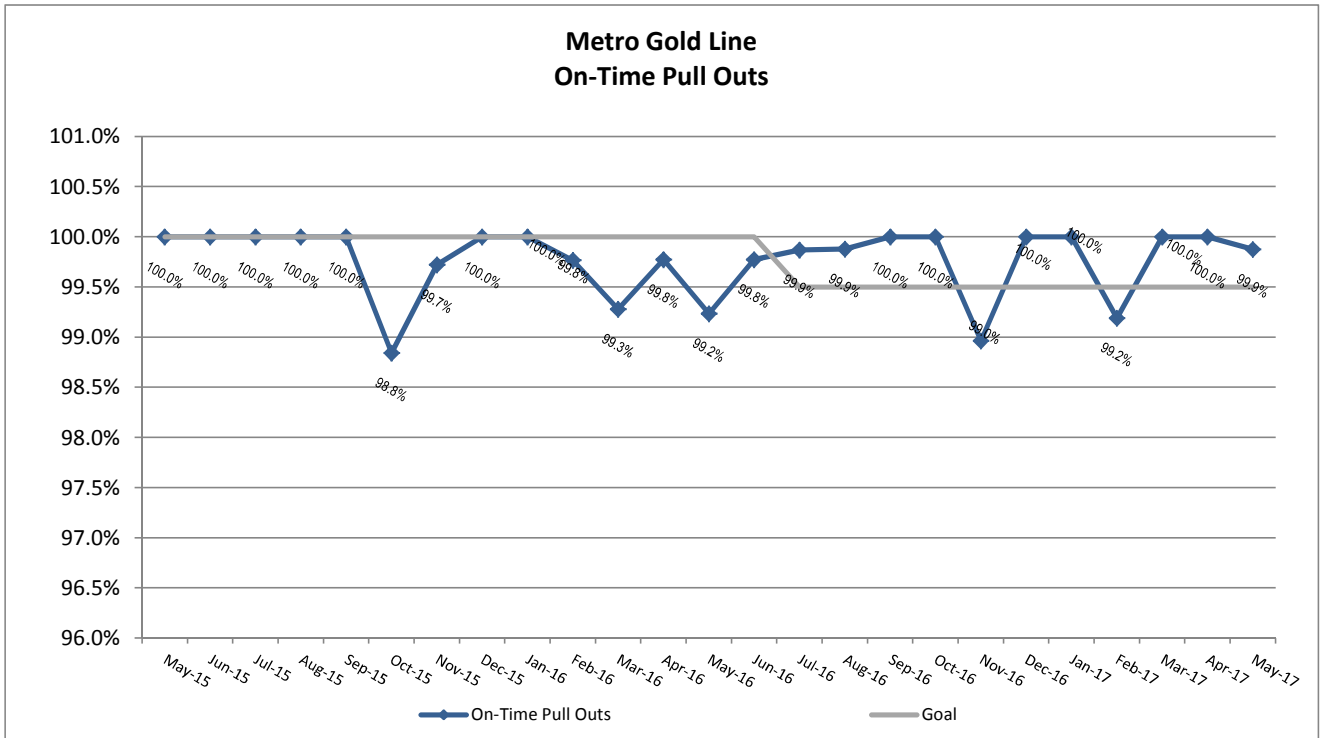
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



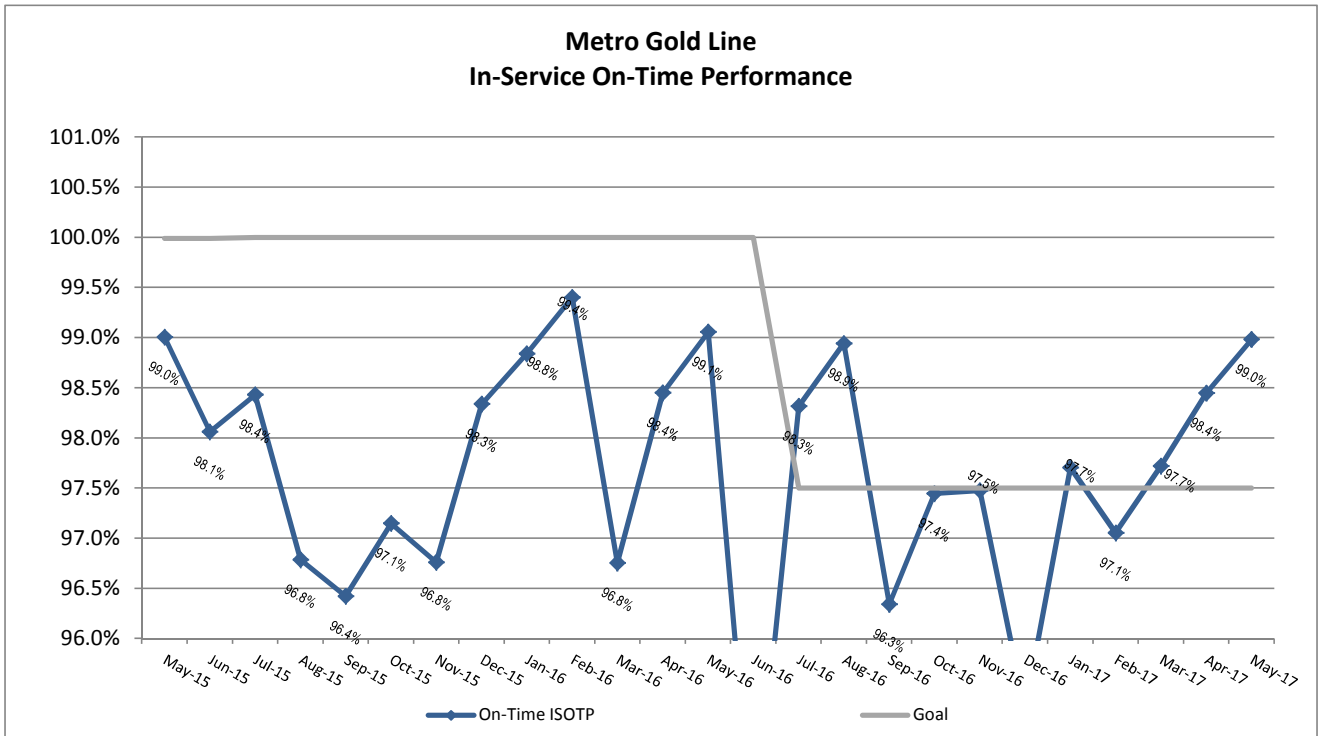
COMPLIANCE WITH SCHEDULED TRAIN MILES



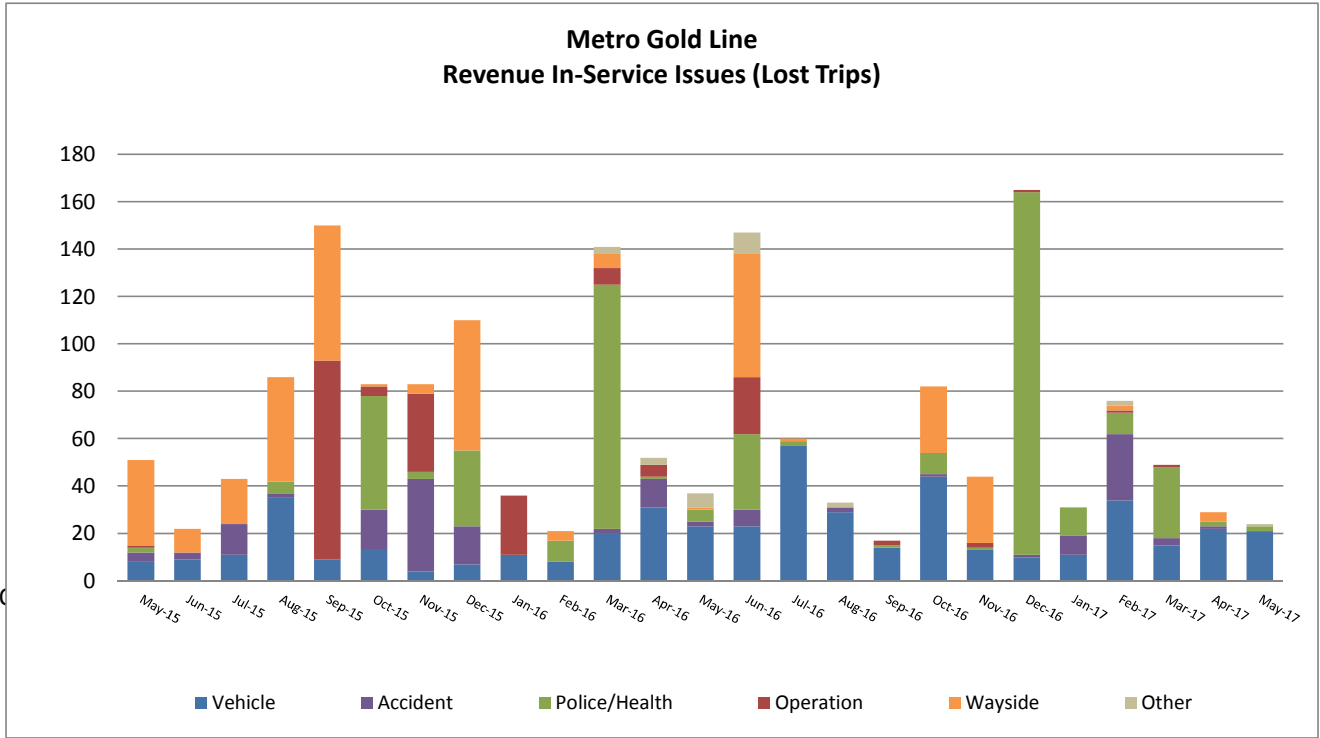
ON-TIME PULL OUTS



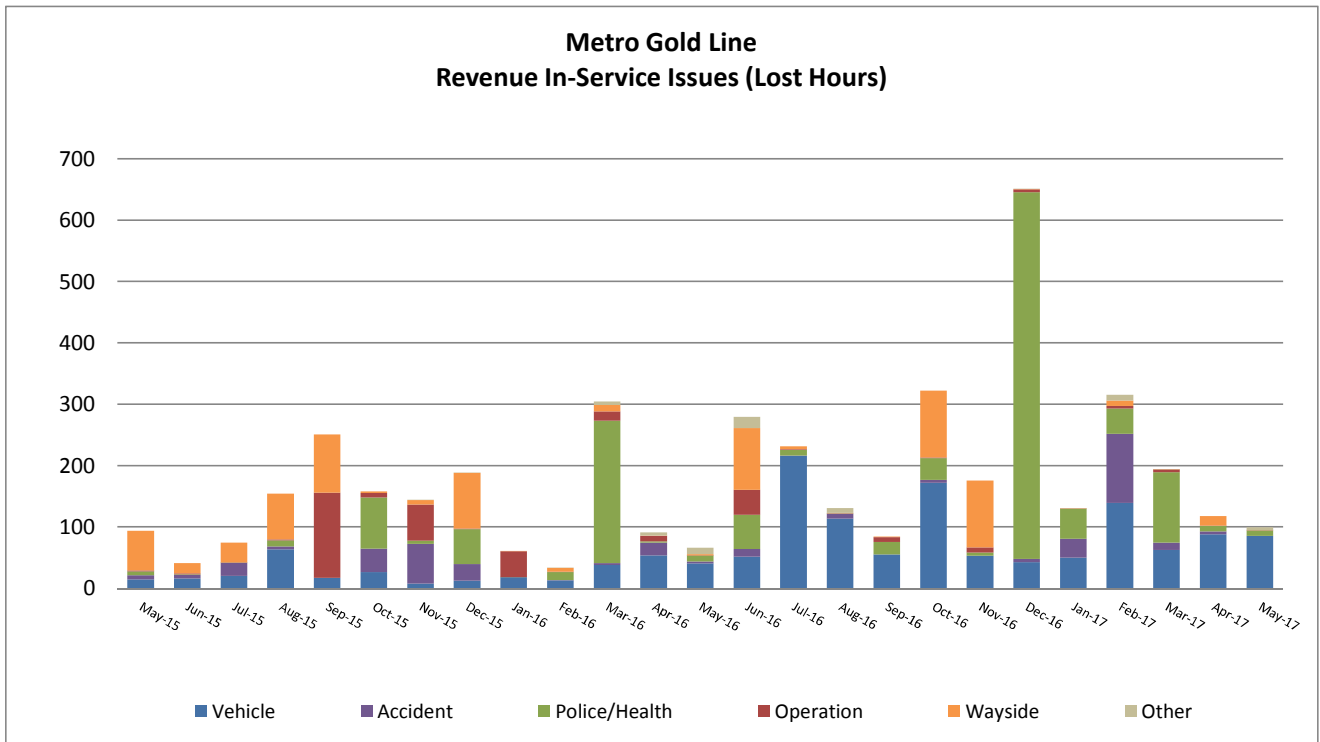
IN-SERVICE ON-TIME PERFORMANCE



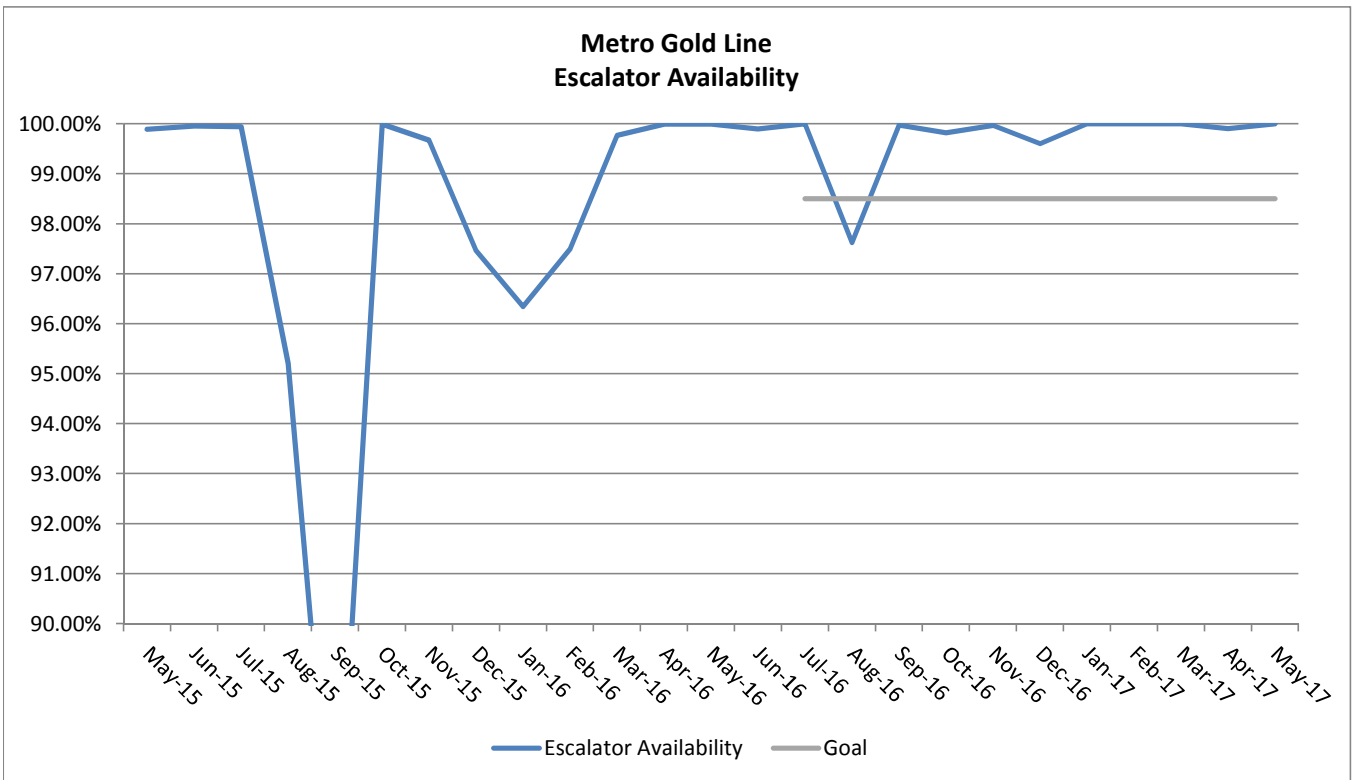
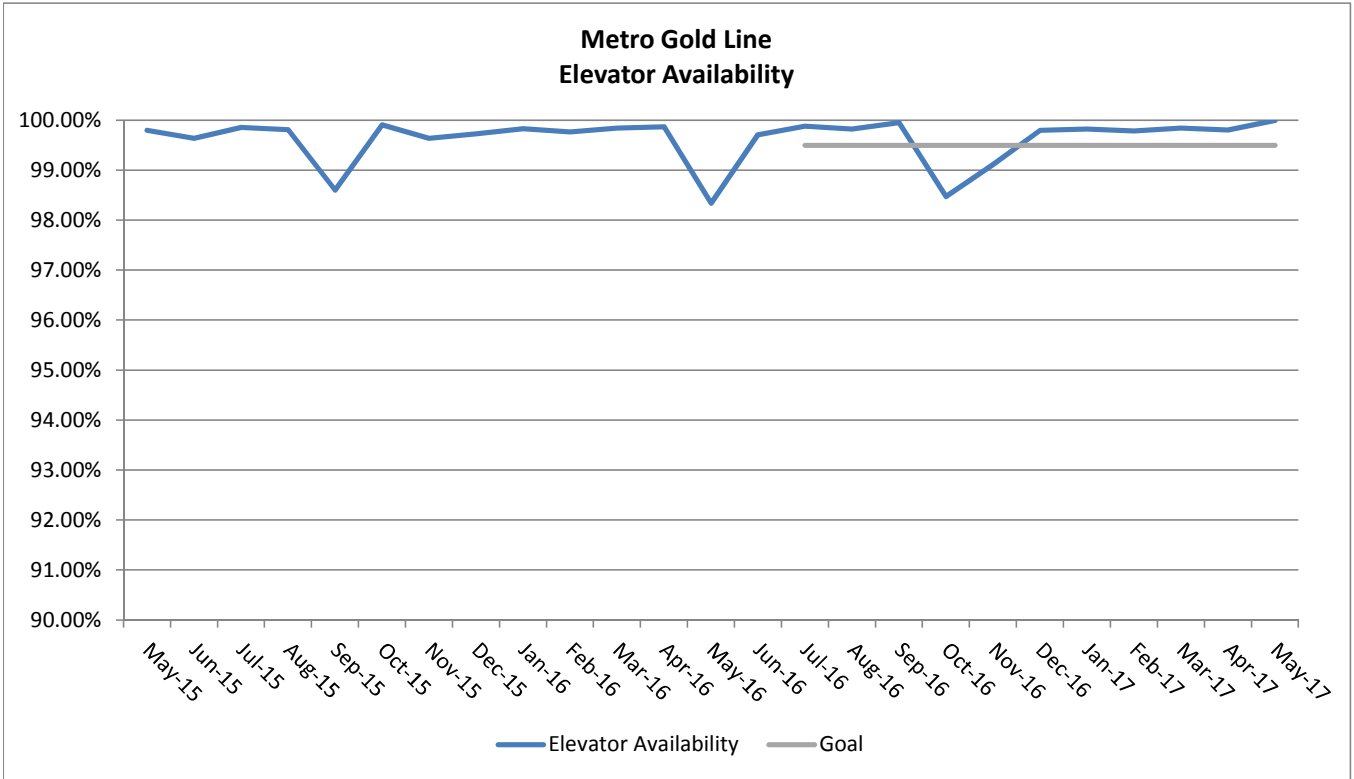
LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY



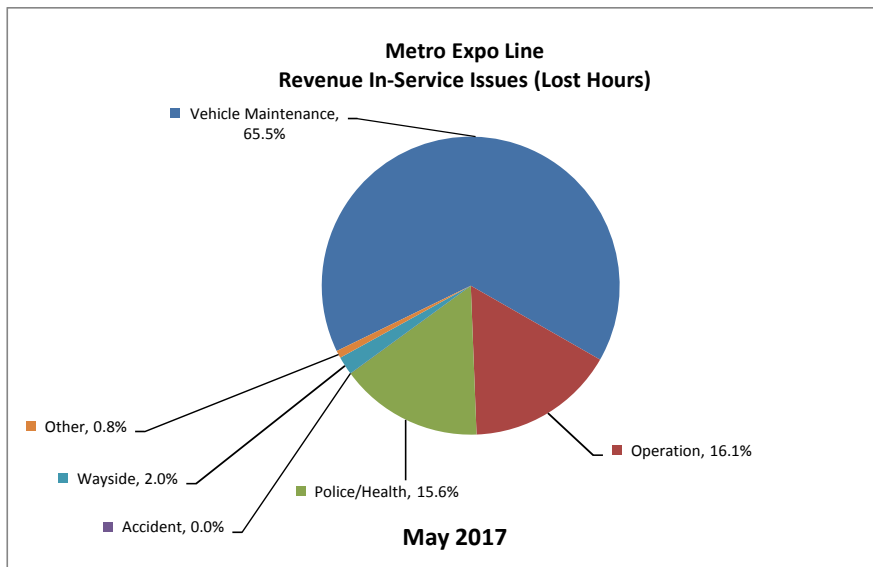
EXPO LINE

Out of a total of 19,808 hours operated, there were approximately 41 total hours of service delays.

May 2017 Service Hours *	Revenue	
	Hours	Percent
Revenue Hours without Delays	19,767	99.8%
Cancelled + Delayed Hours	41	0.2%
Total Revenue Hours	19,808	100.0%

Summary of the major contributors:	Count	Hours	Percent
Operations	6	6.7	16.1%
Accidents	0	0.0	0.0%
Vehicle Maintenance	9	27.0	65.5%
Wayside	2	0.8	2.0%
Police & Health	10	6.4	15.6%
Other	2	0.3	0.8%
Total	29	41.3	100.0%

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



May 2017 Expo Line major delay contributors were as follows:

Operations Incidents:

5/3/2017 5:10:00 AM - Incident# 2862408 (0 lost trips, 7 lost minutes)

Train departs late out of Santa Monica due to sleeper blocking the cab door.

5/13/2017 11:45:00 PM - Incident# 2866111 (1 lost trip, 141 lost minutes)

Passenger refused to alight train causing a delay.

5/15/2017 3:36:00 PM - Incident# 2866571 (0 lost trips, 6 lost minutes)

Train 606 reports a sleeper at Santa Monica Station

Train 606

T-325

LRV'S 104-132-134

5/26/2017 7:17:00 AM - Incident# 2870528 (1 lost trip, 119 lost minutes)

No pull out due to no Equipment

Train #609

R-132

Division #014

5/26/2017 3:42:00 PM - Incident# 2870702 (1 lost trip, 119 lost minutes)

Roll-Out

Yard Controller

Train #619

T-133

Division #014 Expo Yard

5/29/2017 6:40:00 AM - Incident# 2871178 (0 lost trips, 7 lost minutes)

Train Delay due A to A coupling (134-160) line was bumped at Santa Monica with a 7 minute delay northbound.

Vehicle Maintenance Incidents:

5/5/2017 6:06:00 PM - Incident# 2863532 (3 lost trips, 371 lost minutes)

Train-607

T-526

Cars (132)-102

Northbound, Track #3

Westwood Station

Propulsion / Dynamic Brakes no Movement.

5/10/2017 5:41:00 PM - Incident# 2865110 (4 lost trips, 484 lost minutes)

Operator reports no movement from Car 249B.

Cars (249B), 236

Train 608

T-243

30th St IL, southbound.

5/11/2017 6:58:00 AM - Incident# 2865244 (4 lost trips, 486 lost minutes)

No Fault No movement

Train 614

T-162

(249B)-236

S/B Trk 3 Raymond Ave.

5/17/2017 5:20:00 PM - Incident# 2867417 (1 lost trip, 119 lost minutes)

No Fault/ No movement

Train #609, T-157

1051-1043

SB, 7th and Metro Center Station, Track #2

5/18/2017 8:05:00 AM - Incident# 2867622 (0 lost trips, 18 lost minutes)

Train 605

T-123

Track 4 S/B

Western Station

131-115-(144)

Door problem

5/23/2017 3:56:00 PM - Incident# 2869512 (0 lost trips, 12 lost minutes)
Train 626 reports propulsion faults with no movement at Farmdale Station.
Train 626
T-373
LRV'S (1032) 1037
Farmdale Station, Track 3, Northbound.

5/23/2017 5:01:00 PM - Incident# 2869530 (0 lost trips, 6 lost minutes)
Train 629 reporting an ATP Failure LRV 1031
Train 629
T-142
LRV'S (1031) 1042-1030
7th & Metro Center, platform 2, Southbound.

5/24/2017 2:45:00 PM - Incident# 2869889 (1 lost trip, 119 lost minutes)
Train-604
T-180
Cars (1054)-1036-1035
Southbound, Track #4
23rd Street Station
No Fault - No Movement at 23rd Street Station.

5/31/2017 8:07:00 AM - Incident# 2871864 (0 lost trips, 6 lost minutes)
Train operator reports a propulsion fault with no movement.
Train 617, T-89
246-(236AB)
Track 4, Culver City, South

Wayside Incidents:

5/3/2017 2:40:00 AM - Incident# 2862397 (0 lost trips, 30 lost minutes)
Switch 5A and 5B out of correspondence.

5/4/2017 4:01:00 AM - Incident# 2862824 (0 lost trips, 19 lost minutes)
Train 610 departed late from 7th Metro Ctr.
Train 601
T-472
1030-1046
7th Metro Ctr., Trk. 2, southbound

Police & Health Incidents:

5/1/2017 8:30:00 AM - Incident# 2861610 (0 lost trips, 20 lost minutes)
Train 611, LRV 1024-1040 with a male passenger making verbal threats.

5/4/2017 12:25:00 PM - Incident# 2863005 (0 lost trips, 12 lost minutes)
Train 608 reports of 10-390 on platform at Culver City Station

5/5/2017 2:06:00 PM - Incident# 2863449 (1 lost trip, 131 lost minutes)
LASD Deputy Lopez reports of suspicious package on train 603 car1054 at Crenshaw Station

5/7/2017 4:06:00 AM - Incident# 2863791 (0 lost trips, 11 lost minutes)
Train delay for southbound trains due to a car stuck on the right-of-way at the junction.

5/8/2017 9:52:00 AM - Incident# 2864232 (0 lost trips, 15 lost minutes)
Unattended piece of luggage inside car 1025
Metro Security
Train 603
T-313
Santa Monica Station track 3
Consist 1040-1025-1066

5/12/2017 1:27:00 PM - Incident# 2865755 (0 lost trips, 22 lost minutes)
Patron having a seizure cars 1065-(1023)
Train 607
T-139
Southbound
Vermont

5/24/2017 8:33:00 PM - Incident# 2869989 (0 lost trips, 15 lost minutes)

Theft/Robberies

Train 620

T-526

Cars 1022-1049

Westwood station tk3 N/B

5/27/2017 7:29:00 AM - Incident# 2870818 (0 lost trips, 6 lost minutes)

Train 601.

T-313.

Expo/Sepulveda Station, track 3, N/B.

LRV 1024,(1041),1037.

Sick Patron.

5/27/2017 9:59:00 PM - Incident# 2870977 (1 lost trip, 141 lost minutes)

Alleged person with firearm

Train 604

Track #3 La Cienega Station NB

T-534

1023-(1049)-10447

5/31/2017 9:09:00 PM - Incident# 2872123 (0 lost trips, 13 lost minutes)

Officer Cortez reports an unknown white male was making lude comments to a white lady and her son aboard train 605 at 17th St Station.

Train 605

T-219

Cars 1023-(1053)-1025

17th St Station, Track 4, Southbound

Other Incidents:

5/8/2017 4:19:00 PM - Incident# 2864305 (0 lost trips, 10 lost minutes)

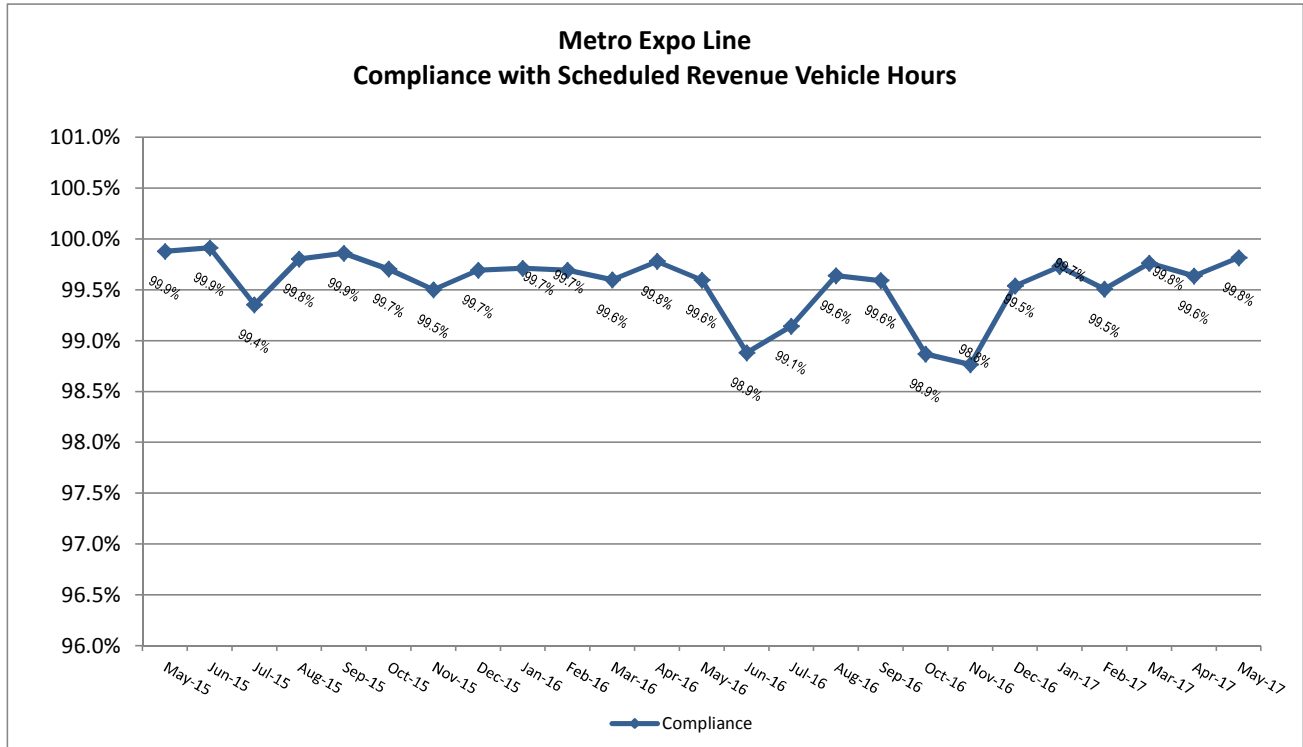
Yard Control notified Train 629 would be proceeding to yard limits late due to a operator miss out

5/9/2017 4:32:00 AM - Incident# 2864412 (0 lost trips, 10 lost minutes)

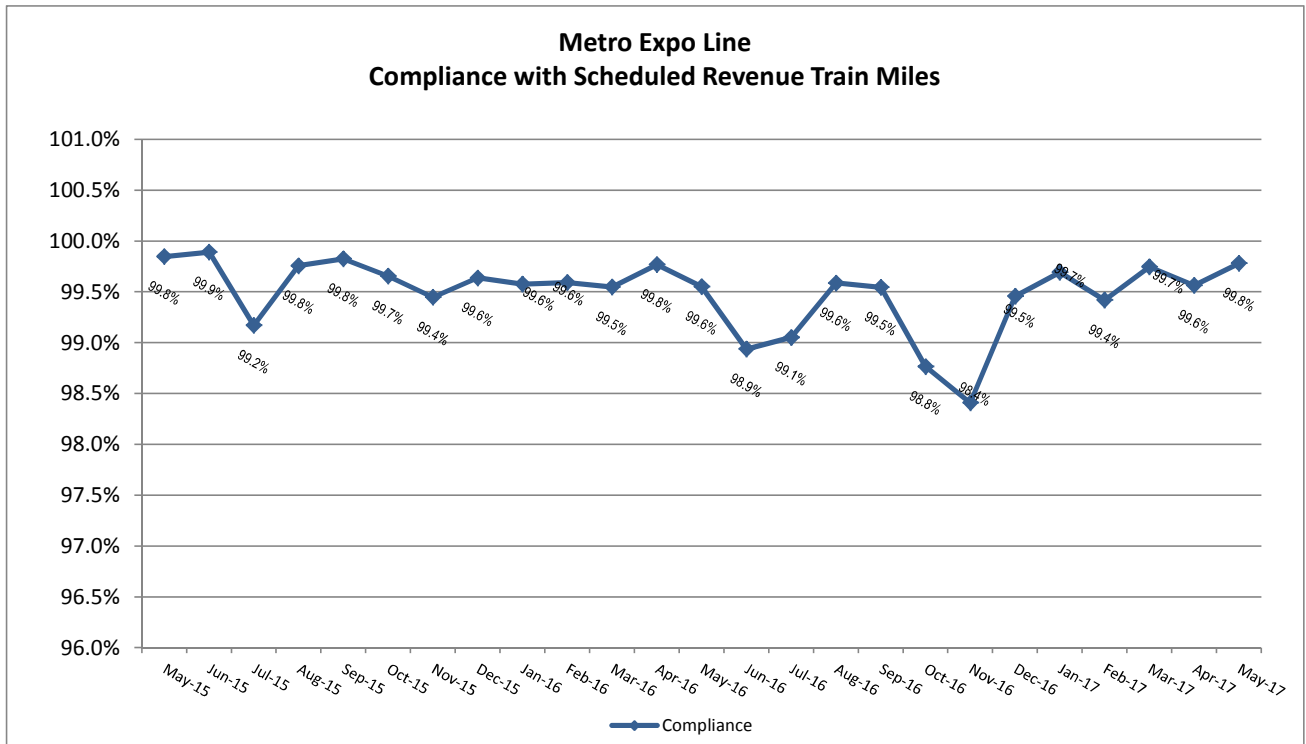
Train 605 delayed for morning pull out due to no movement.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS

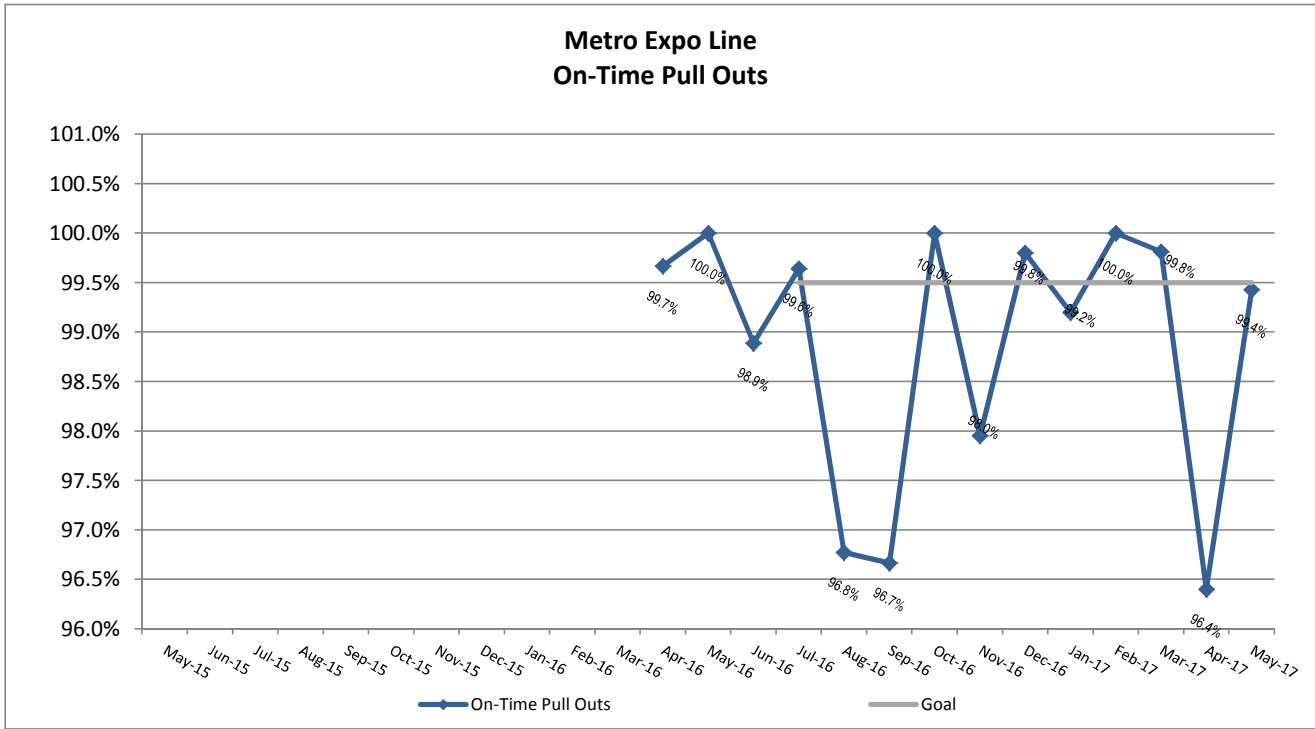
COMPLIANCE WITH SCHEDULED VEHICLE HOURS



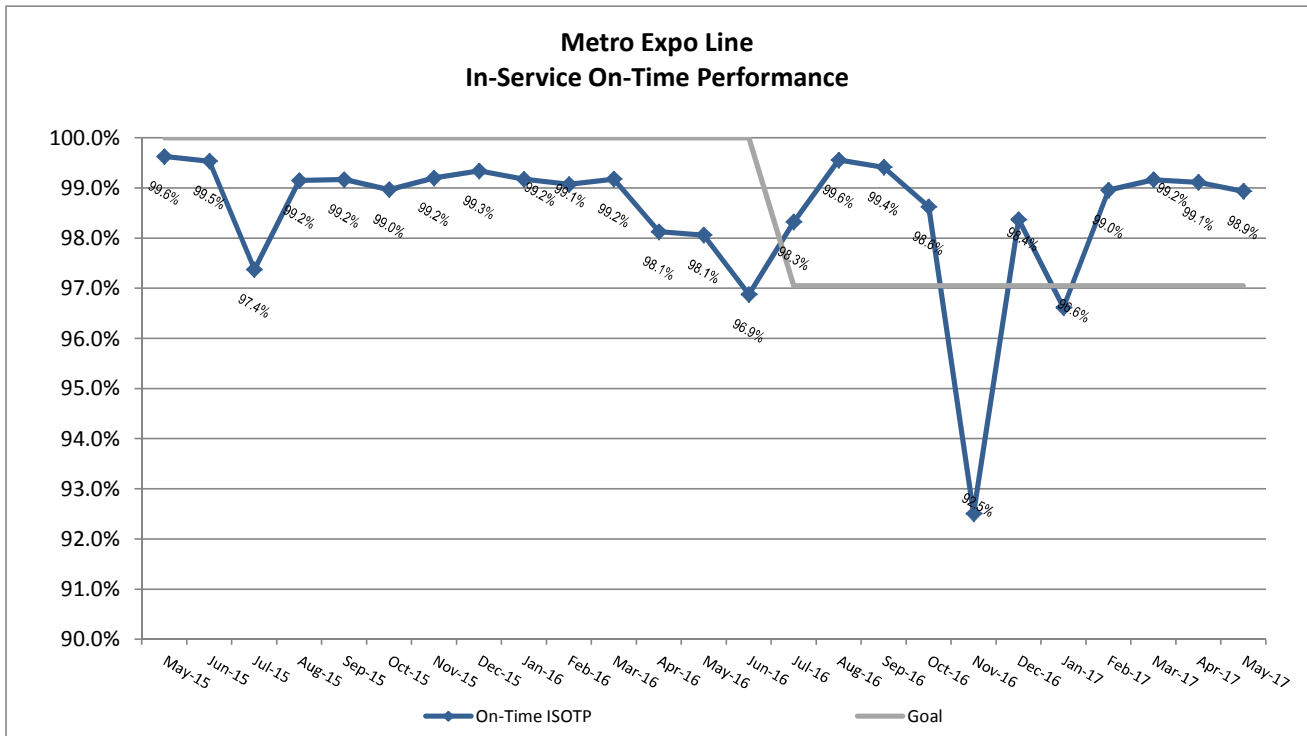
COMPLIANCE WITH SCHEDULED TRAIN MILES



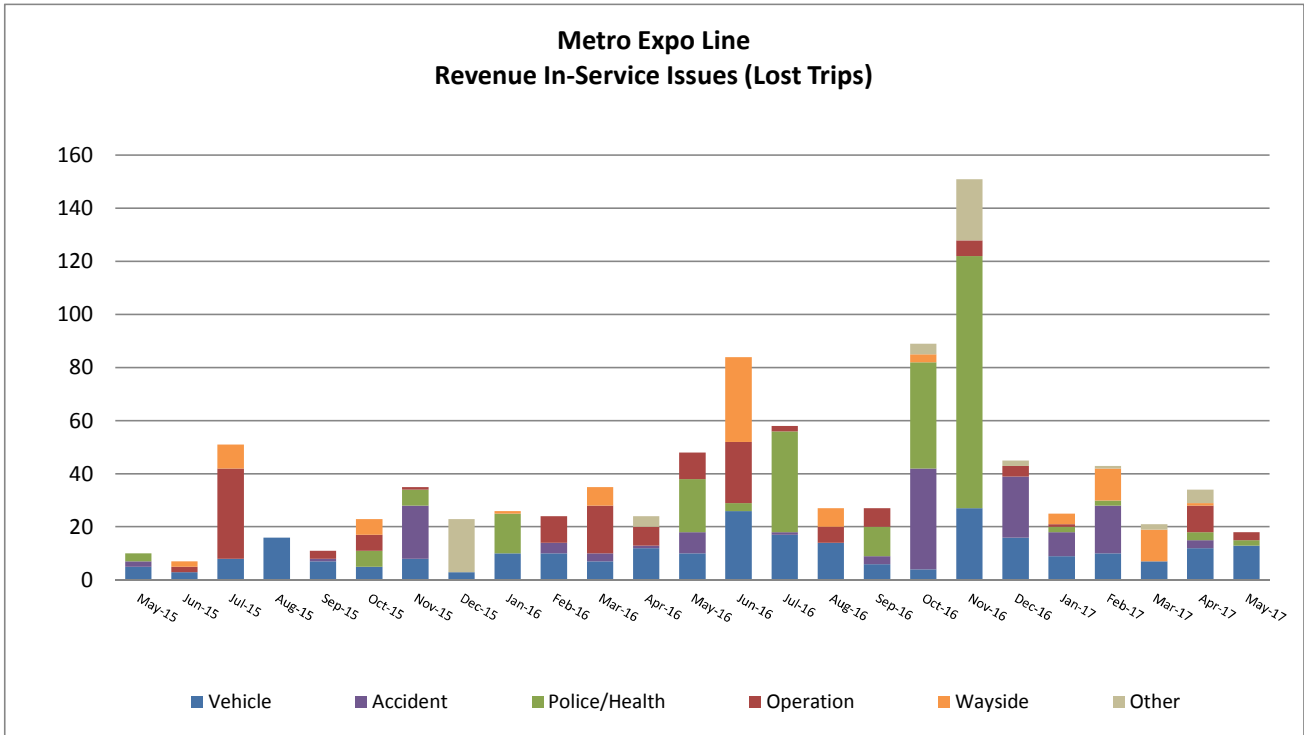
ON-TIME PULL OUTS



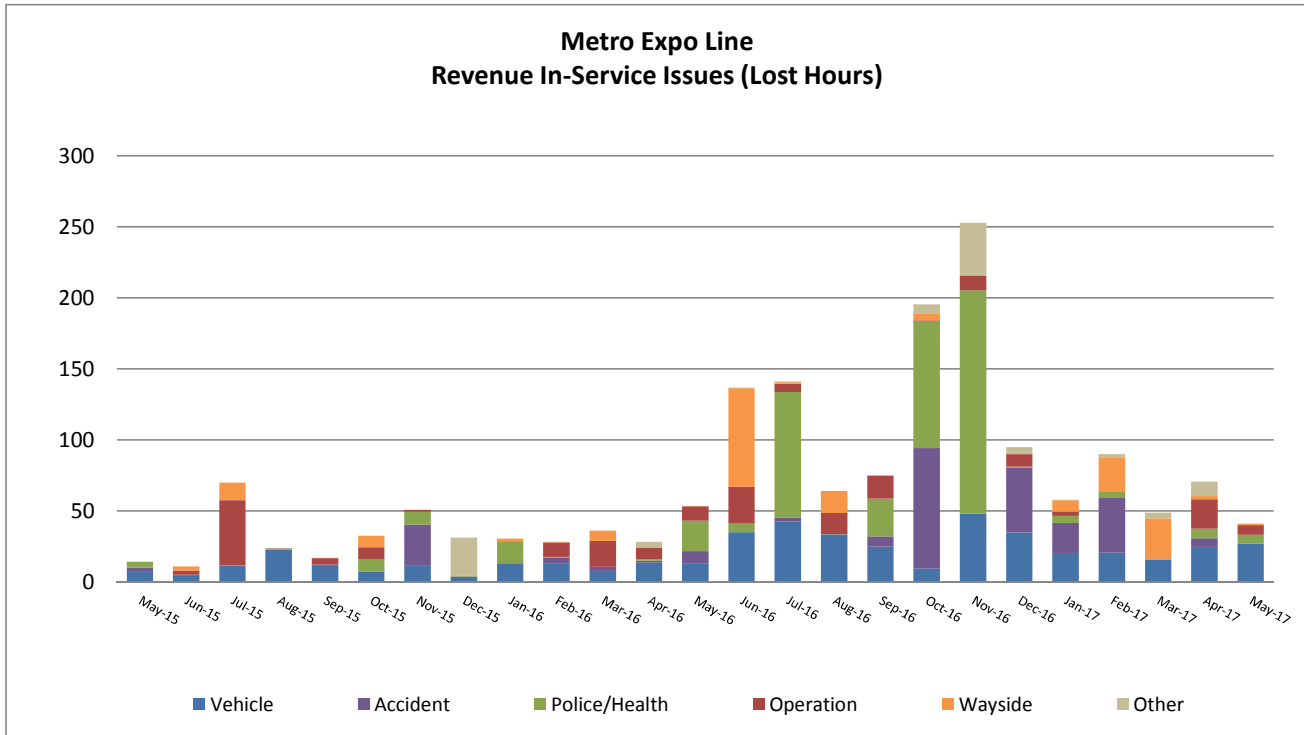
IN-SERVICE ON-TIME PERFORMANCE



LOST TRIPS



LOST HOURS



VERTICAL TRANSPORTATION AVAILABILITY

