

METRO RAIL PERFORMANCE FY16 –JANUARY 2016

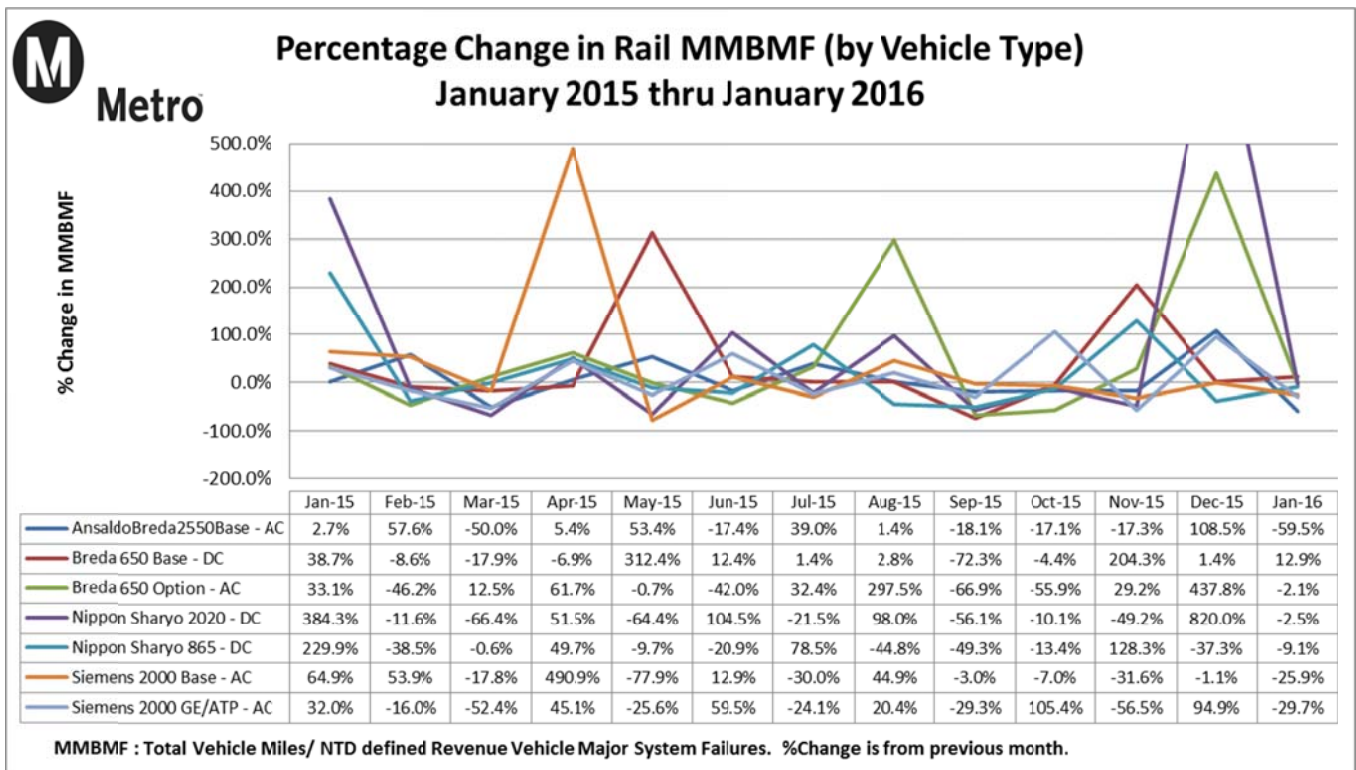
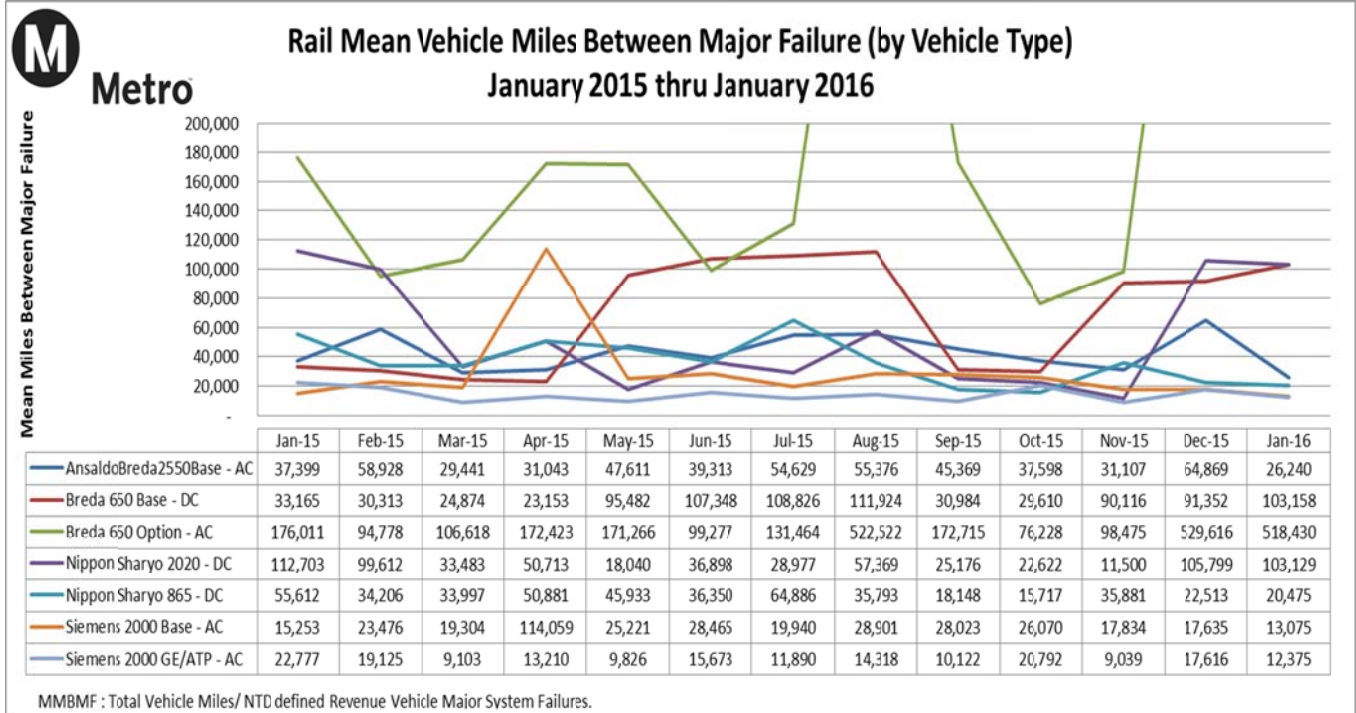


METRO RAIL PERFORMANCE – FY16 –JANUARY 2016

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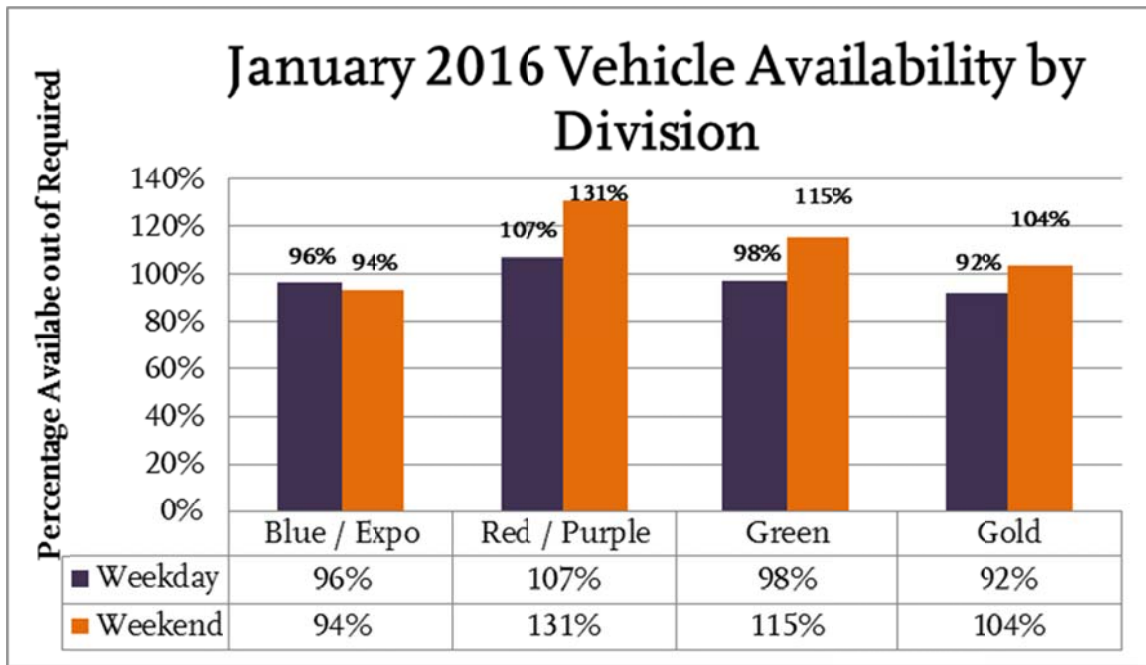
METRO RAIL PERFORMANCE – FY16 –JANUARY 2016

RAIL PERFORMANCE SYSTEMWIDE



Number of Rail Vehicle Type by Division	<u>RED/ PURPLE</u>	<u>BLUE/ EXPO</u>	<u>GREEN</u>	<u>GOLD</u>
AnsaldoBreda2550Base - AC				50
Breda 650 Base - DC	30			
Breda 650 Option - AC	74			
Nippon Sharyo 2020 - DC		15		
Nippon Sharyo 865 - DC		54		
Siemens 2000 Base - AC			29	
Siemens 2000 GE/ATP - AC		23		
TOTALS	104	92	29	50

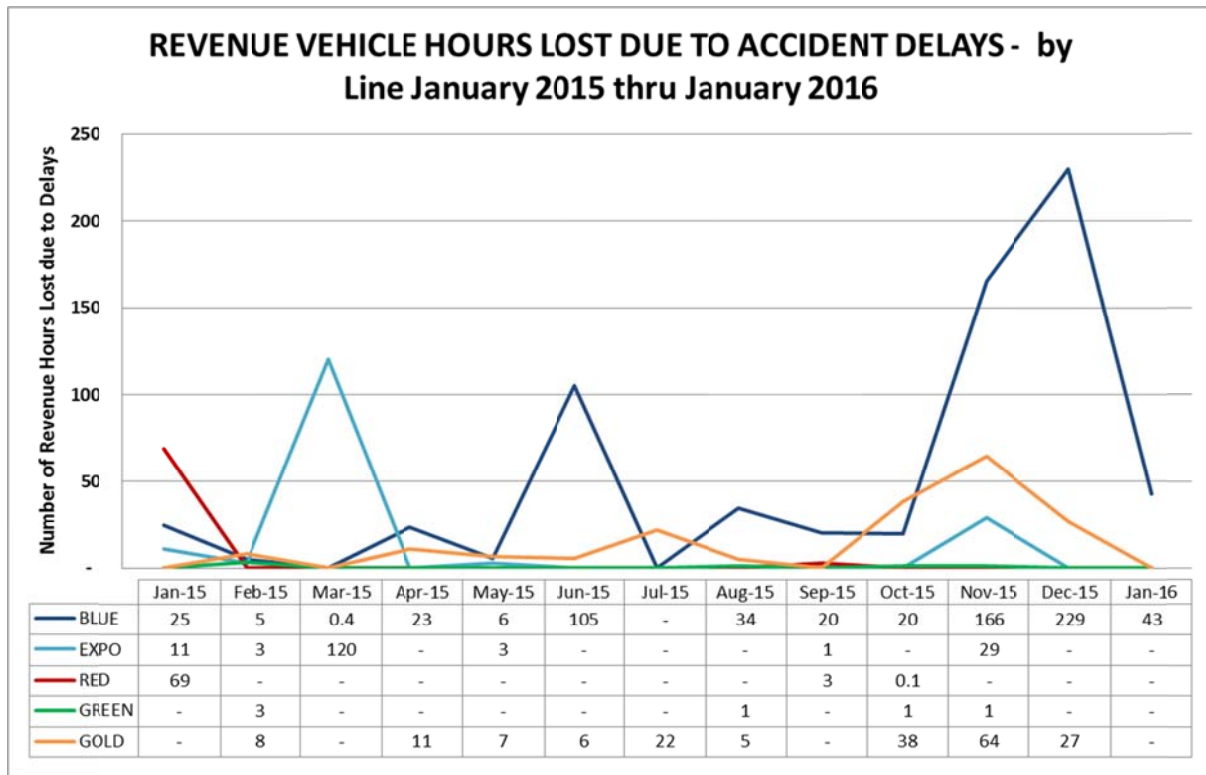
VEHICLE AVAILABILITY SYSTEMWIDE



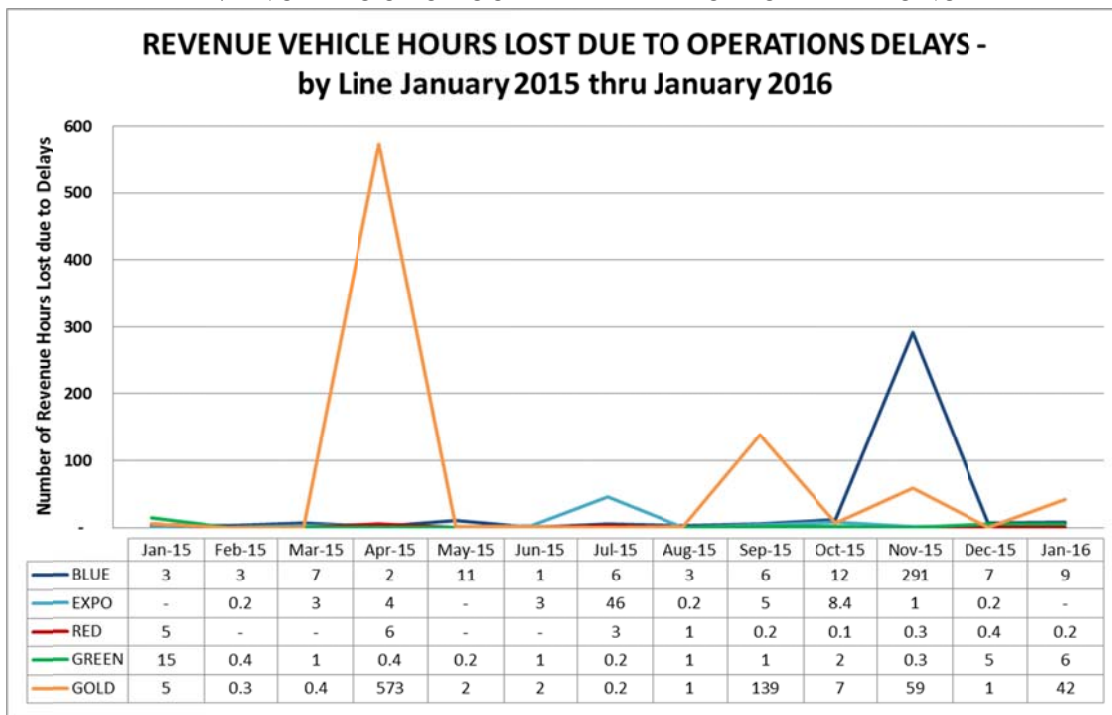
JANUARY 2016 VEHICLE AVAILABILITY

Blue/ Expo			
Pullout Type	Vehicles Required	Average Available	Average % Available
Weekday	78	75	96%
Weekend	60	56	94%
Red/ Purple			
Pullout Type	Vehicles Required	Average Available	Average % Available
Weekday	74	79	107%
Weekend	54	71	131%
Green			
Pullout Type	Vehicles Required	Average Available	Average % Available
Weekday	22	21	98%
Weekend	14	16	115%
Gold			
Pullout Type	Vehicles Required	Average Available	Average % Available
Weekday	42	39	92%
Weekend	36	37	104%

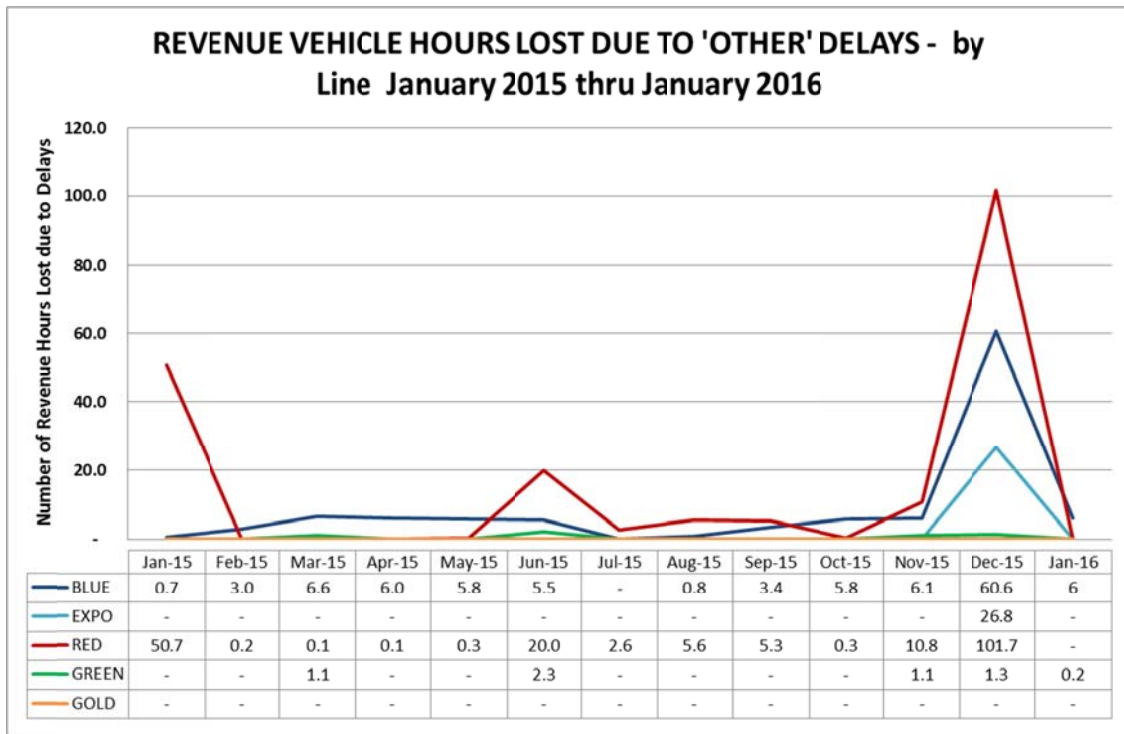
**RAIL DELAYS BY CATEGORY – SYSTEMWIDE
REVENUE HOURS LOST RELATED TO – ACCIDENTS**



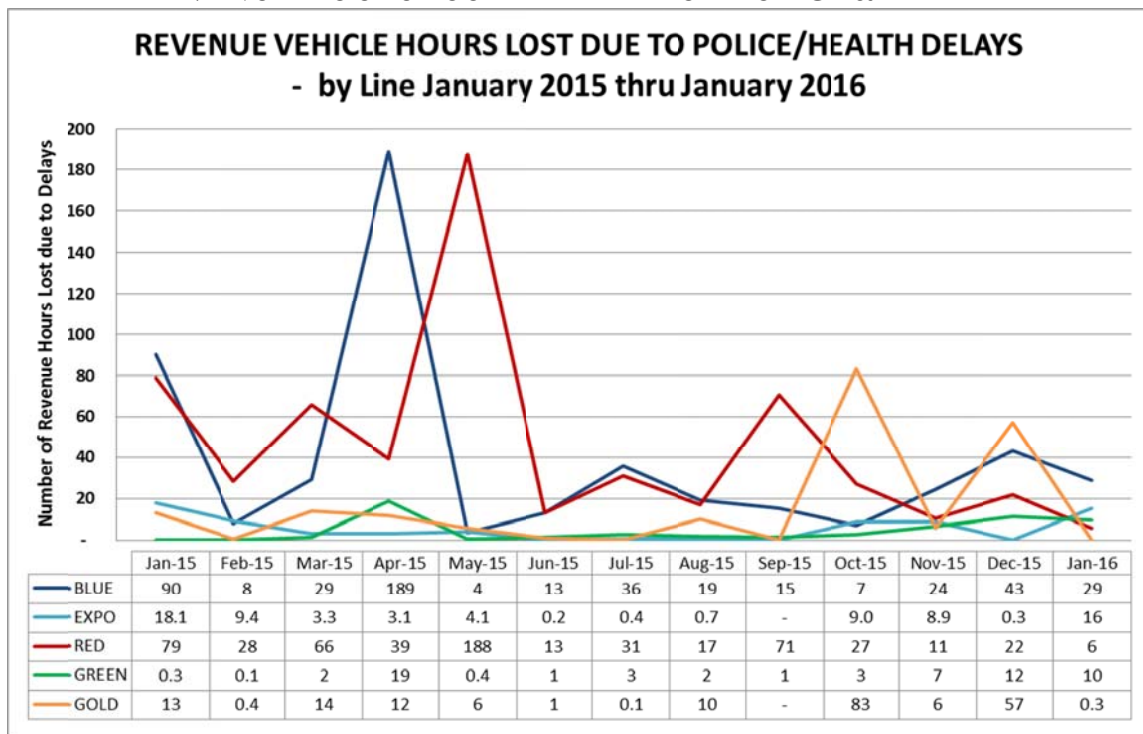
REVENUE HOURS LOST RELATED TO – OPERATIONS



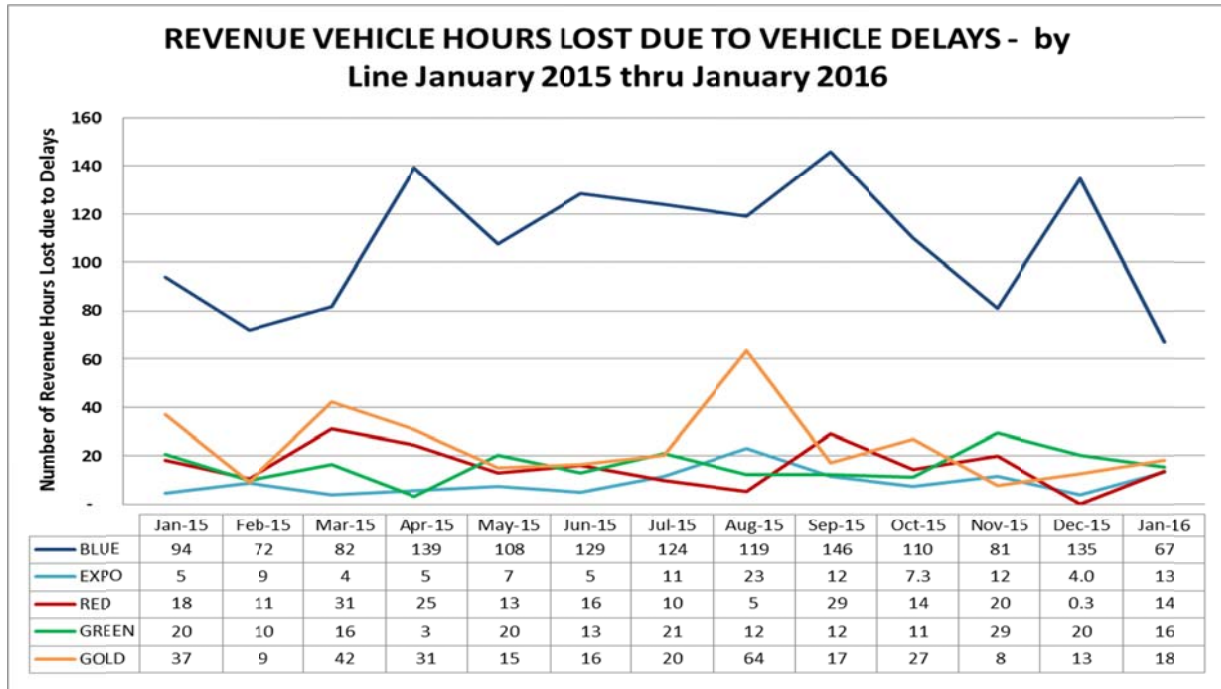
REVENUE HOURS LOST RELATED TO – OTHER



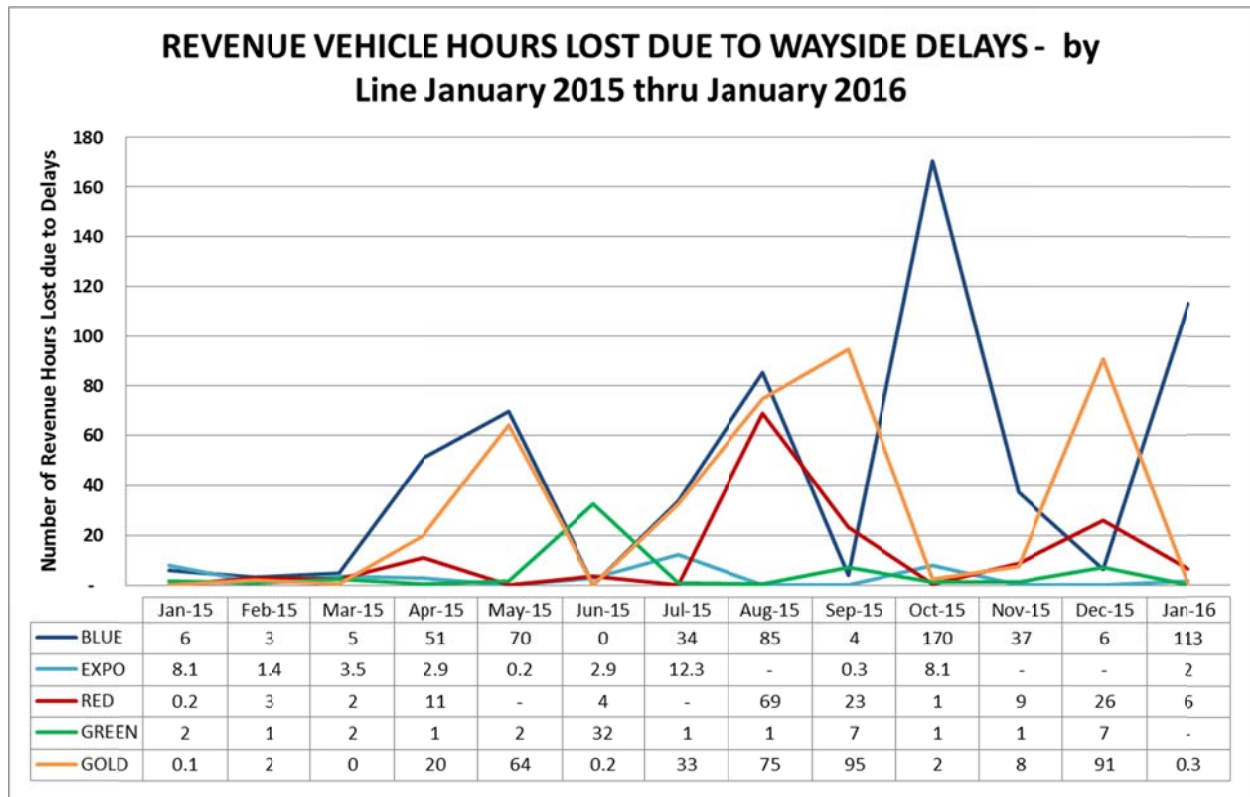
REVENUE HOURS LOST RELATED TO – POLICE & HEALTH



REVENUE HOURS LOST RELATED TO – VEHICLE



REVENUE HOURS LOST RELATED TO – WAYSIDE



RAIL PERFORMANCE BY LINE

BLUE LINE

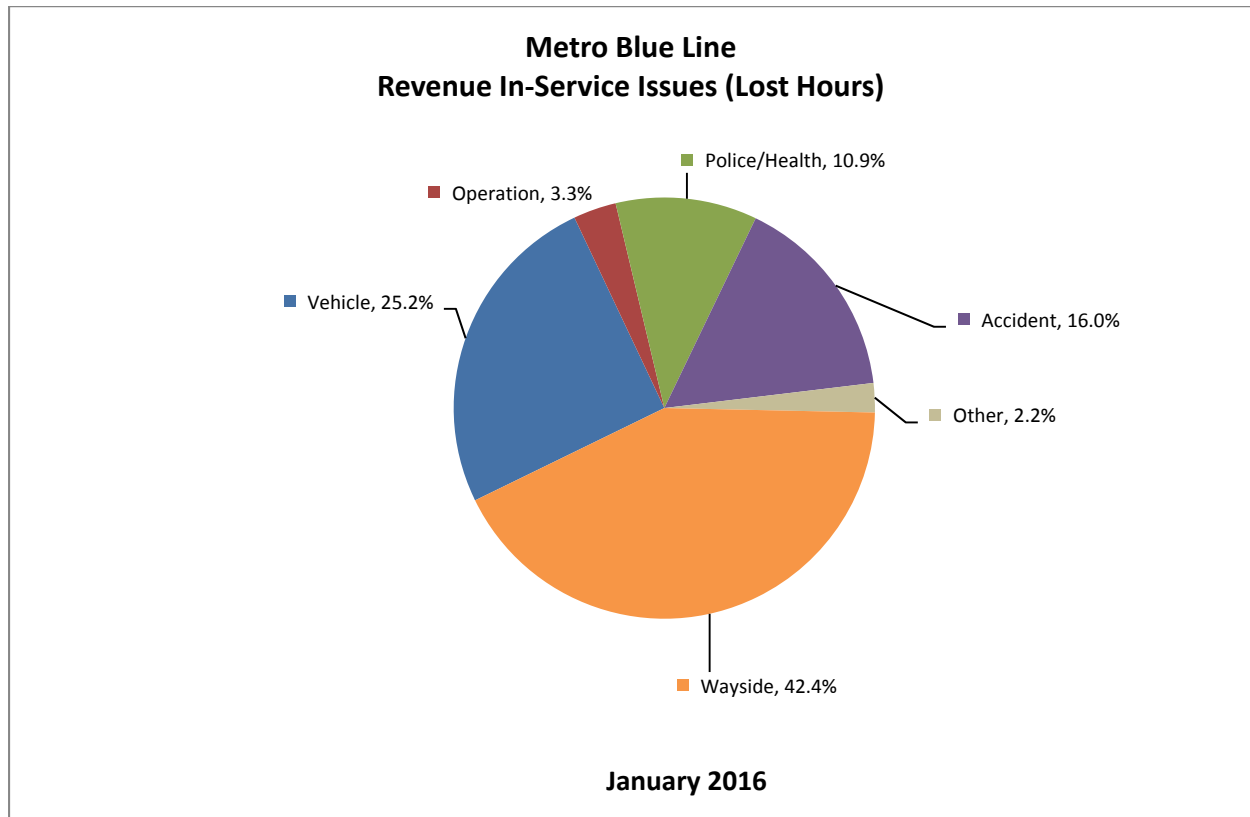
Out of a total of 22,118 hours operated, there were approximately 267 total hours of service delays.

January 2016 Service Hours:

Revenue Hours without Delays	21,851	98.8%
Hours Delayed	267	1.2%
Total Revenue Hours	22,118	100%

Summary of the major contributors:

• Operations	9 hours	3 %
• Accidents	43 hours	16 %
• Vehicle	67 hours	25 %
• Wayside	113 hours	43 %
• Police & Health	29 hours	11 %
• Other	6 hours	2 %
Total:	267 hours	100%



January 2016 Blue Line major delay contributors were as follows:

Blue Line Accident:

01/05/16 Accident

Train 126 reported a Train vs. Auto northbound at Long Beach Blvd & Burnett St. Shuttling from Anaheim to Willow and around the Long Beach Loop. Incident train was released at 2255 hrs. Normal operations resumed at 2303 hrs. 1 trip canceled and 10 trips affected with a max delay of 15 mins.

01/31/16 Accident

BOC reported Non-MTA vehicle involved in an accident and intruded onto the right of way at the Florence Grade Crossing. Vehicle blocking track 1. Single tracking operations implemented. Traction Power inspector reported the vehicle made contact with an OCS pole and the impact damaged a section insulator. Track 2 was to be out of service until the repair could be made after revenue service. 4 trips canceled and 64 trips affected with a max delay of 12 mins.

Blue Line Operations:

01/12/16 Operations

Train 118 reported a female passenger would not allow the doors to close on car 168B Northbound at Willow Station. Reverse running operations implemented from Anaheim Station to Willow. At 0202 hrs, the individual was transported. 1 trip canceled with a max delay of 30 mins.

01/24/16 Operations

An operator reported Train 112 improperly berthed on platform 2 Metro Center Station and opened doors with one car off the platform. Round trip canceled to Culver City. 2 trips canceled with a max delay of 10 mins

Blue Line Police/Health:

01/17/16 Police/Health

Train 110 reported an intoxicated patron at PCH fell off the platform on to ROW. Turn back operations implemented from Willow Station. The patron was transported to St. Mary's Hospital. Normal operations resumed at 2250 hrs. 3 trips canceled with a max delay of 20 mins.

01/25/16 Police/Health

Train 118 & 119 reported a blockade due to an animal control vehicle blocking track 1 at 130th Street crossing. Single track and turnback operations implemented. The truck removed from the ROW at 0800 hrs and normal service. 6 trips canceled with a max delay of 30 mins.



Blue Line Wayside:

01/31/16 Power

SCADA indicated a Loss of Traction Power due to ETS trip at Del Amo TPSS. Traction power lost on both tracks between Del Amo to Yard Interface. Turn back operations implemented at Wardlow and Artesia Station. Power was restored to track 1 at 2115 hrs. Single-tracking operations was implemented to Wardlow only due to power outage in DTLB. A bus bridge was established at 1730 hrs. At 2220 hrs, power was reestablished to Transit Mall. Track 2 regained power at 0050 hrs. Normal operations resumed. 22 trips canceled with a max 68 mins delay when bus bridge was established.

01/31/16 Power

A field RTOS reported a power outage at Pacific Coast Highway all the way to Transit. Edison reported a blown transformer. Trains were turned back at Wardlow NB to Artesia. A bus bridge was established 1800 hrs throughout DTLB. With a generator power was restored at 2015 hours at PCH. Trains operated using SOP 41. 16 trips canceled with a max delay of 60 mins.

Blue Line Vehicle Maintenance:

01/05/16 Vehicle Maintenance

Train 118 reported No movement, no indications on Car 137 Southbound North of the Elm grade. Single track and turn-back operations implemented. At 1618 hrs the incident had movement, was offloaded and removed to the Yard. 1 trip canceled and 23 trips affected with a max delay of 25 mins.

01/08/16 Vehicle Maintenance

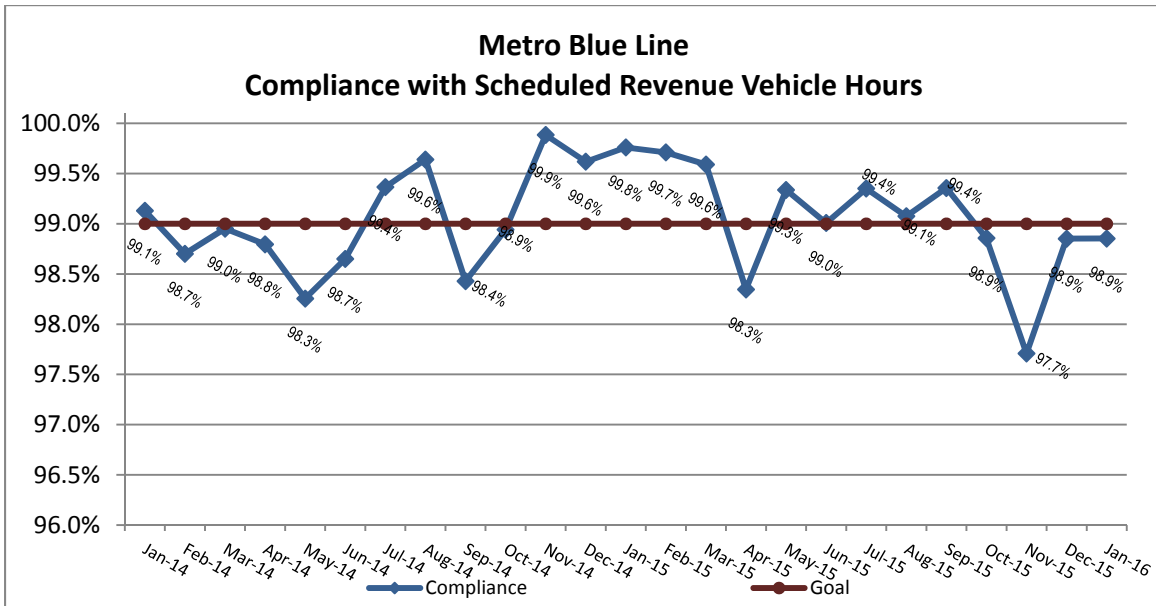
Train 101 reported friction brakes problems on Car 249 Southbound at 7th & Metro. Train 101 was cancelled and recovered back to the Yard out of service. No equipment in the Yard for replacement. Northbound trip canceled also. 2 trips canceled with a max delay of 5 mins.

01/13/16 Vehicle Maintenance

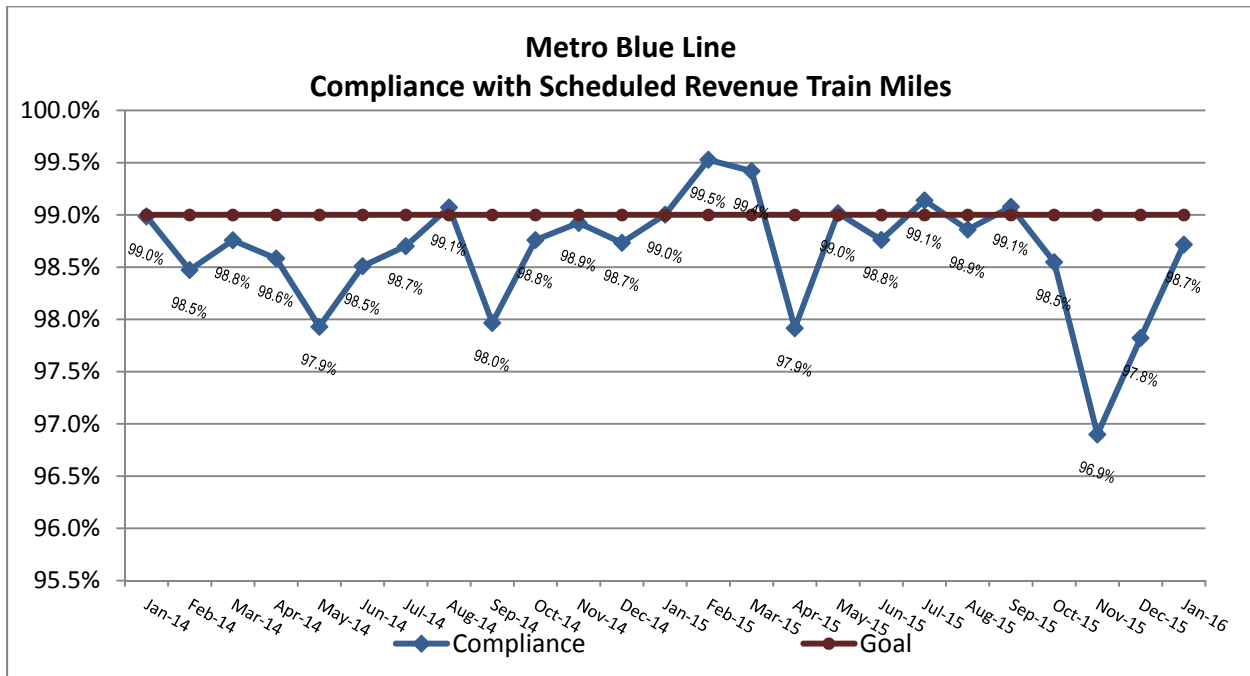
Train 130 reported the friction brakes not releasing on Car 137 Southbound at Artesia Station. Single-tracking operations implemented. At 0152 hrs, the train offloaded and transferred to rescue train 113. The consist being dead-towed back to the yard as of 0401 hrs. 1 trip canceled with a max delay of 25 mins.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS FOLLOWS:

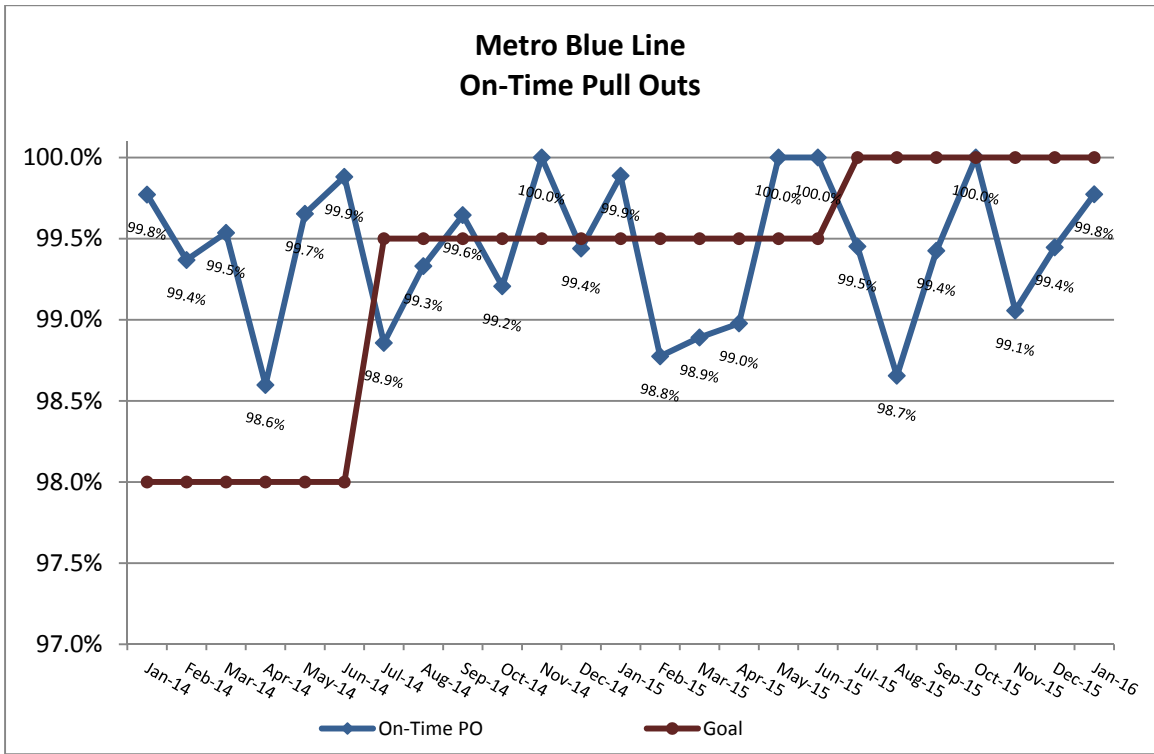
COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



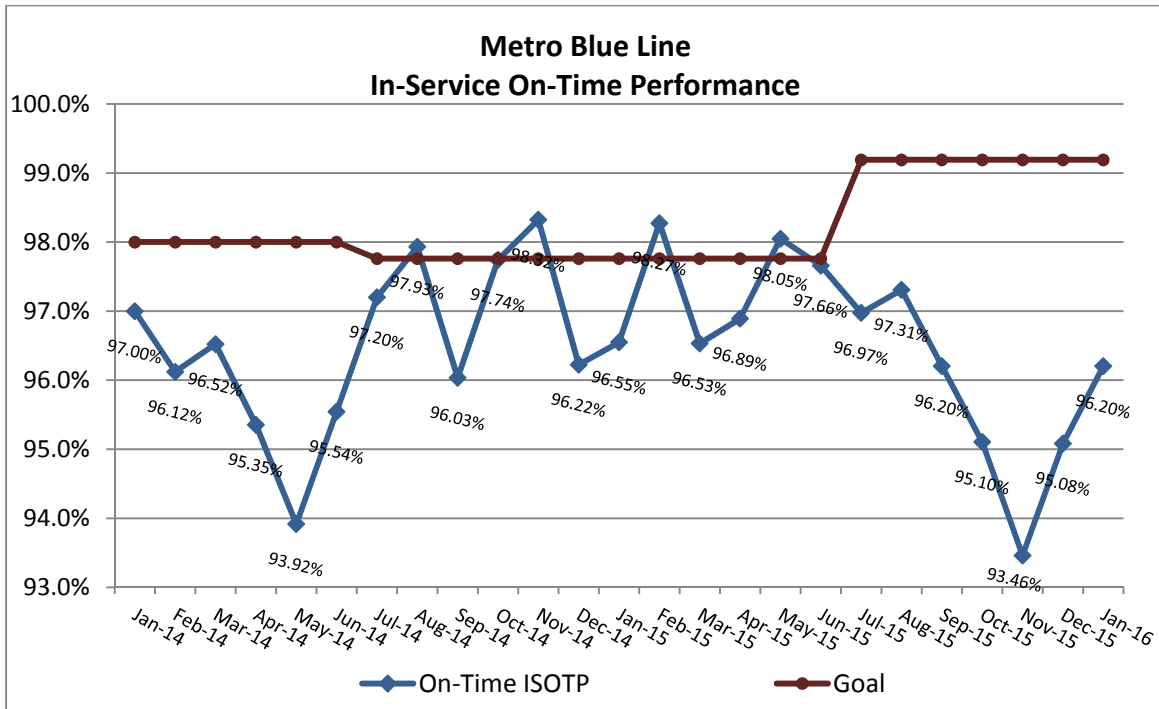
COMPLIANCE WITH SCHEDULED TRAIN MILES CHART

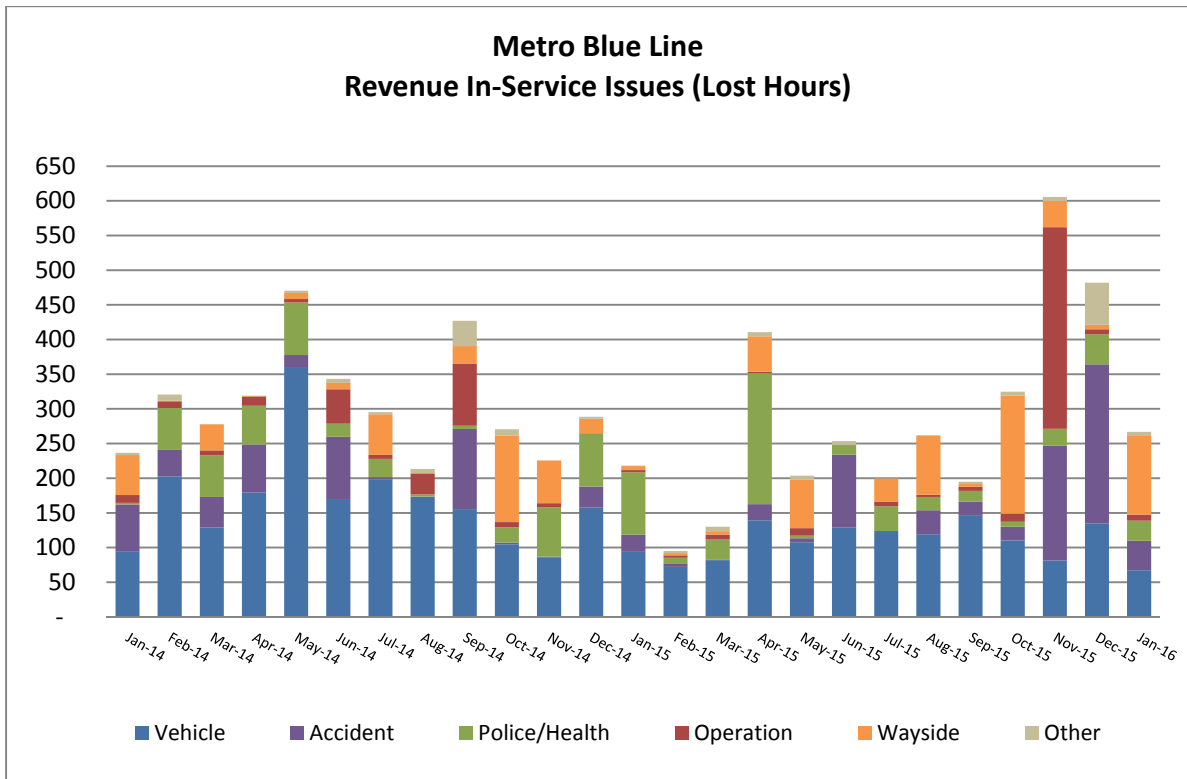
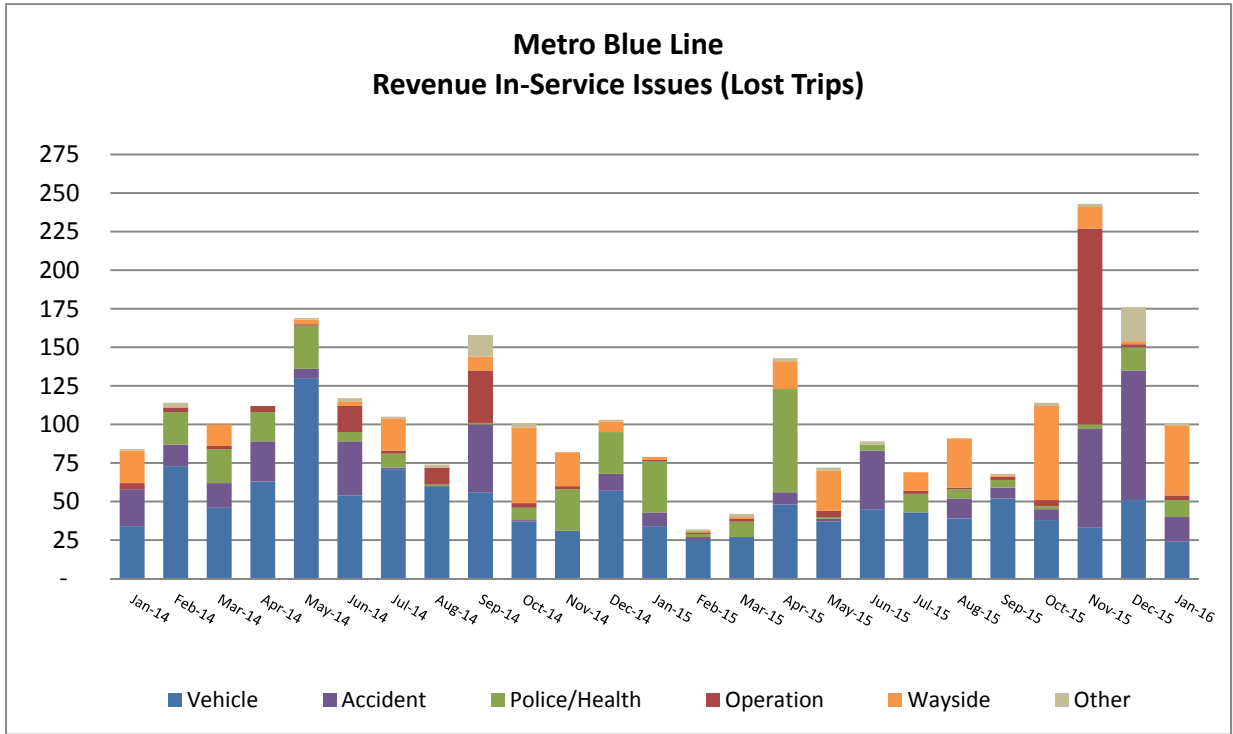


ON-TIME PULL OUTS CHART



IN-SERVICE ON-TIME PERFORMANCE CHART





EXPO LINE

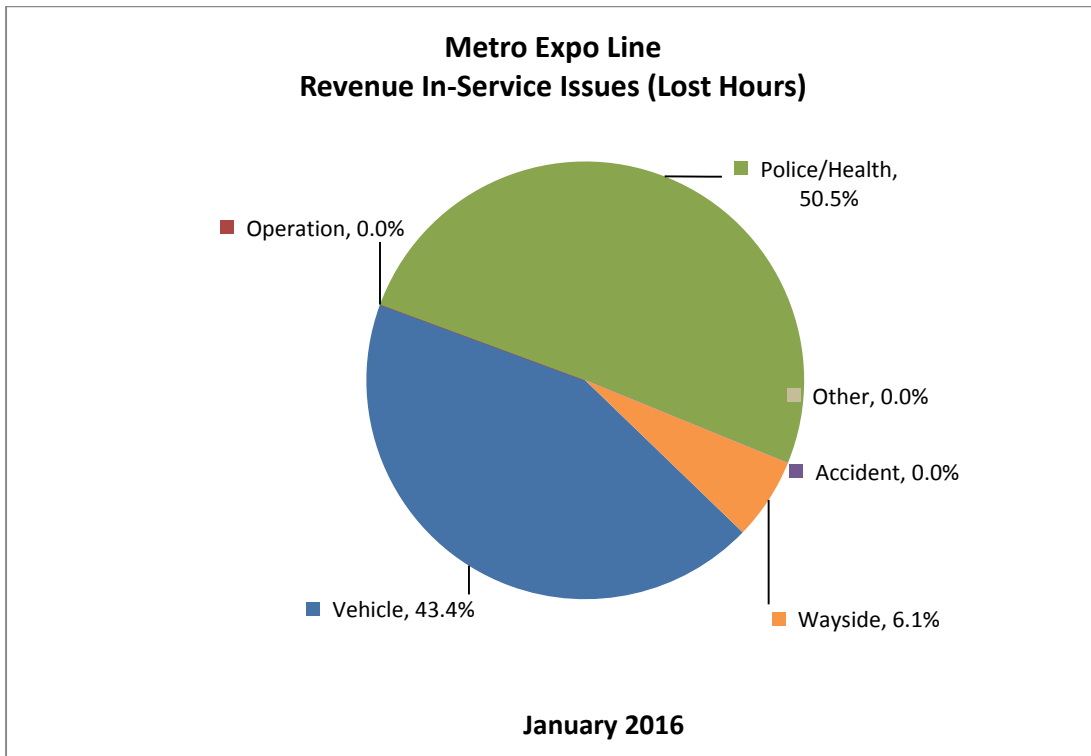
Out of a total of 9,990 hours operated, there were approximately 31 total hours of service delays.

January 2016 Service Hours:

Revenue Hours without Delays	9,959	99.7%
Hours Delayed	31	0.3%
Total Revenue Hours	9,990	100.0%

Summary of the major contributors:

• Operations	0 hours	0 %
• Accidents	0 hours	0 %
• Vehicle	13 hours	43 %
• Wayside	2 hours	6 %
• Police & Health	16 hours	51 %
• Other	0 hours	0 %
Total:	31 hours	100%



January 2016 Expo Line major delay contributors were as follows:

EXPO Line Police/ Health:

01/16/16 Police/ Health

LASD notified ROC that a non-MTA, non-revenue vehicle accident blocking both tracks 3 and 4 on Exposition Blvd. at Gramercy. LAPD on scene. 14 trips canceled with a max delay of 79 mins.

EXPO Line Vehicle Maintenance:

01/03/16 Vehicle Maintenance

Train 104 reported experiencing door problems on Car 236 which caused the doors to close without warning to customers Northbound at Culver City station. Train 104 proceeded from Culver City to 7th/Metro Center out of service and from 7th/Metro to Del Amo station out of service to the Yard. 2 trips canceled with a max delay of 10 mins.

01/18/16 Vehicle Maintenance

Train 118 reported propulsion faults and MA-LOW on Car 302 with No Movement Southbound at Crenshaw Station. Single-tracking operations implemented. At 2320 hrs, Train 118 gained north bound movement and was sent to 7th & Metro out of service. 2 trips canceled with a max delay of 20 mins.

01/19/16 Vehicle Maintenance

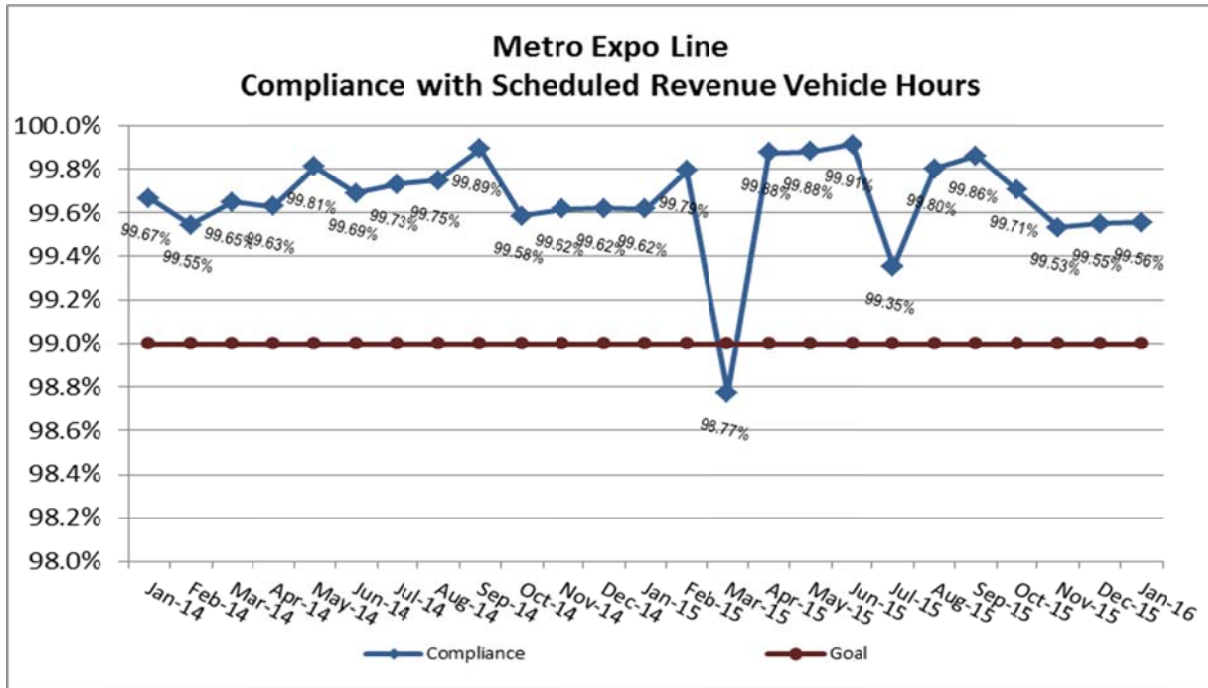
Train 110 reported un-clearable propulsion faults on Car 237 Southbound at Vermont/Expo. The operator tried lowering the pantographs to reset the BCU's however that did not clear the faults. Train was being offloaded and sent back to 7MC. 1 trip canceled with a max delay of 22 mins.

01/25/16 Vehicle Maintenance

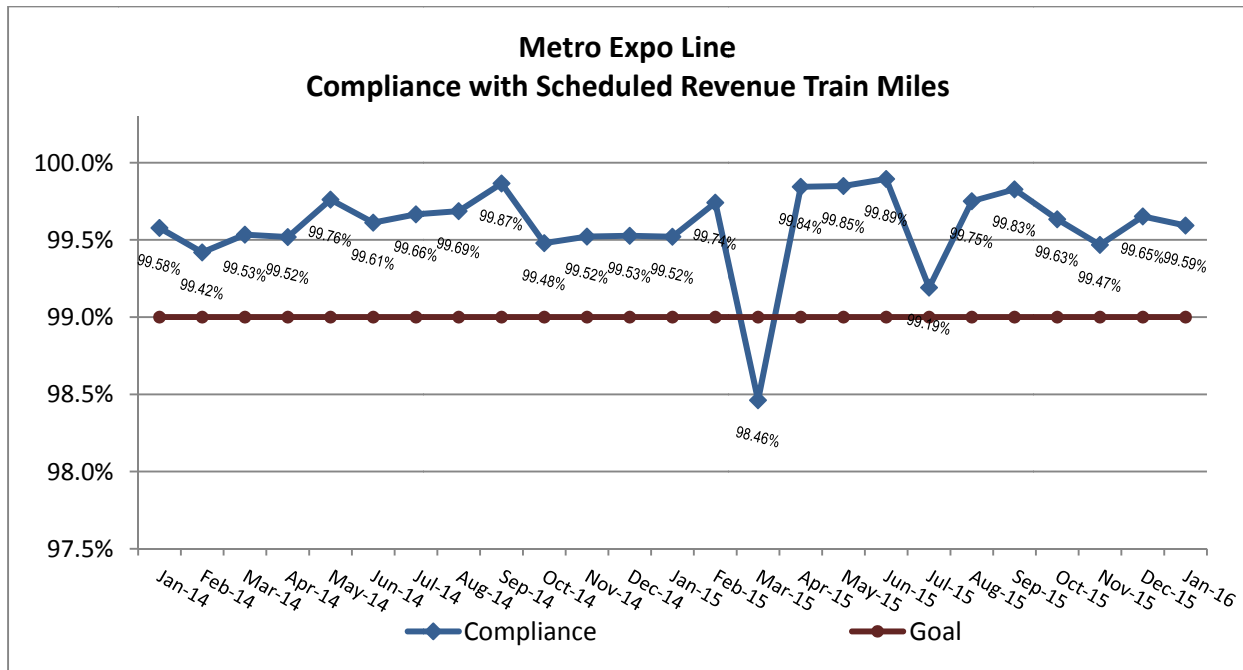
Train 104 reported problems with Doors on Car 127 Northbound at Pico Station. Single-tracking and turn-back operations implemented. Train regained movement to 7th/Metro and placed out of service. 3 trips canceled with a max delay of 29 mins.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS FOLLOWS:

COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



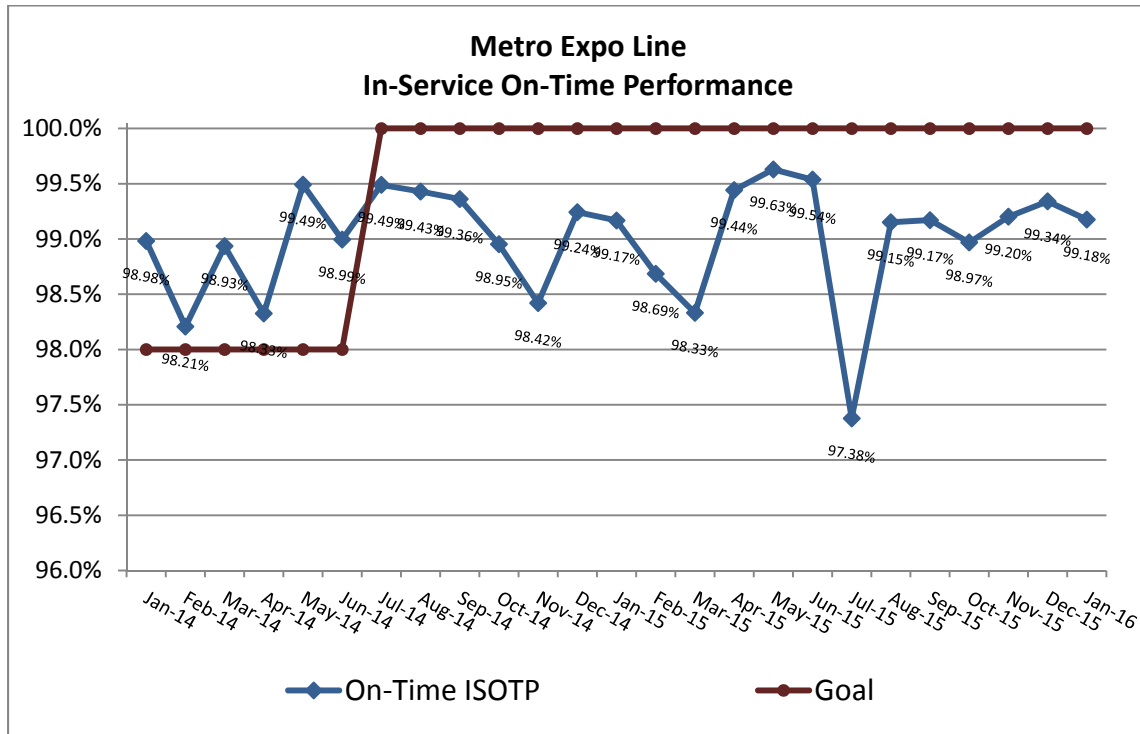
COMPLIANCE WITH SCHEDULED TRAIN MILES CHART

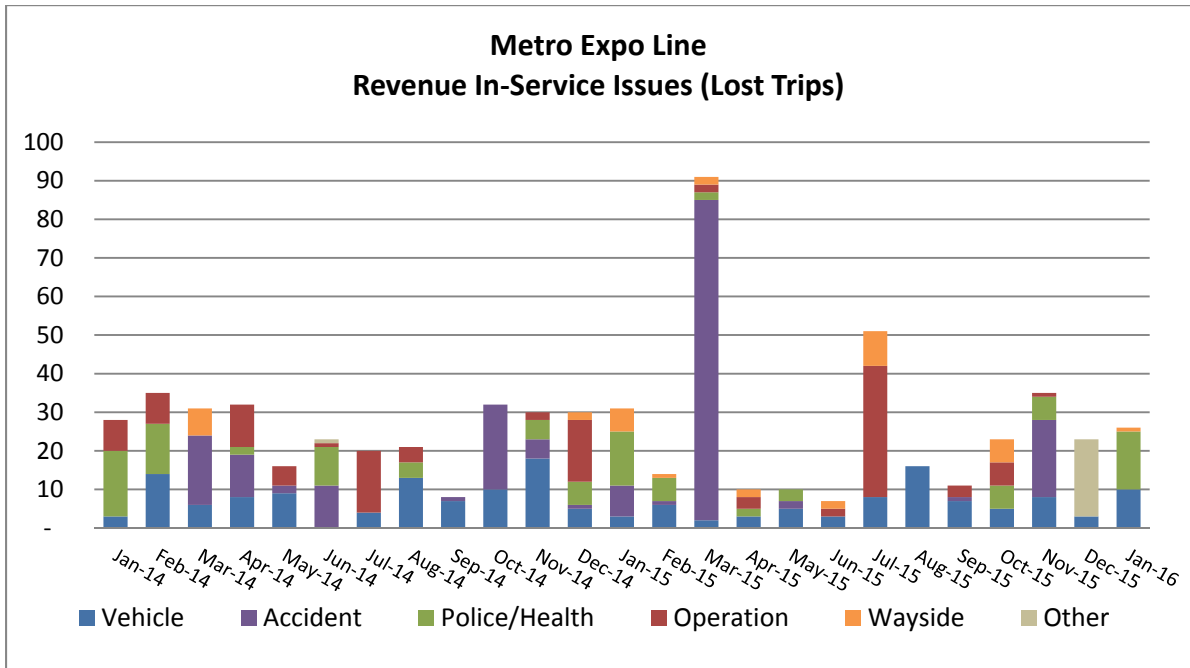
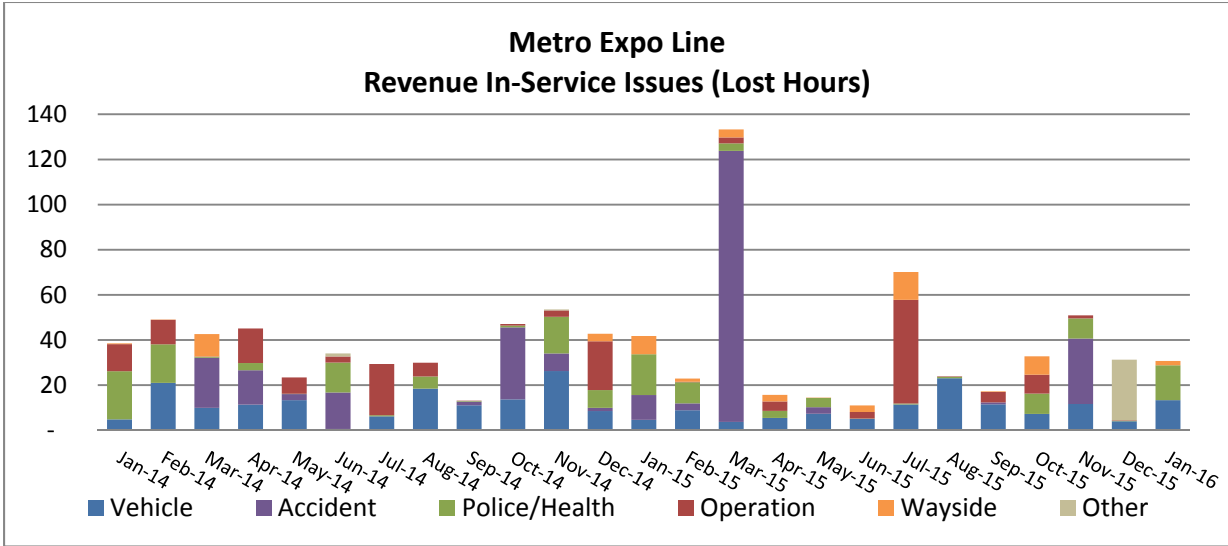


ON-TIME PULL OUTS

Expo Line Pull Outs are included in Blue line Pull Outs.

IN-SERVICE ON-TIME PERFORMANCE CHART





RED / PURPLE LINE

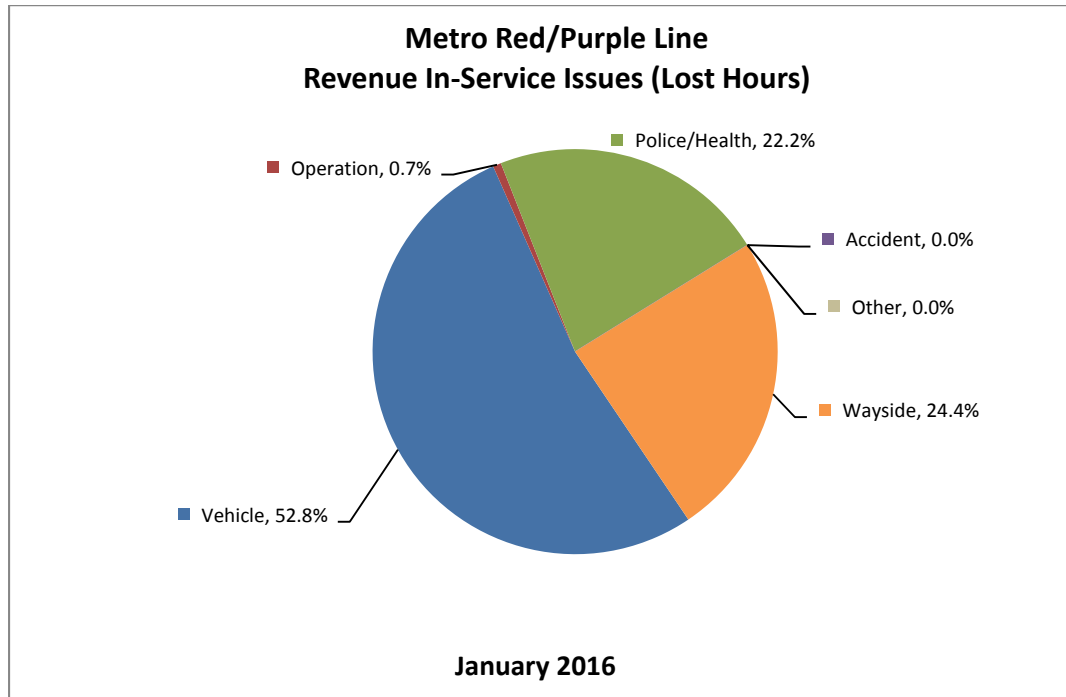
Out of a total of 26,623 hours operated, there were approximately 26 total hours of service delays.

January 2016 Service Hours:

Revenue Hours without Delays	26,567	99.9%
Hours Delayed	26	0.1%
Total Revenue Hours	26,623	100.0%

Summary of the major contributors:

• Operations	<1 hours	<1 %
• Accidents	0 hours	0 %
• Vehicle	14 hours	53 %
• Wayside	6 hours	24 %
• Police & Health	6 hours	22 %
• Other	0 hours	0 %
Total:	26 hours	100 %



January 2016 Red/Purple Line major delay contributors were as follows:

Red Line Police/Health:

01/25/16 Police/Health

LASD requested to hold Train 218 to search for a suspect with a knife Eastbound at North Hollywood Station. Turn-back operations implemented from Universal City. At 1722 hrs, LASD had the suspect in custody; normal operations resumed. 2 trips canceled with a max delay of 15 mins.

Red Line Wayside:

01/01/16 Power

SCADA indicated a loss of traction power at Hollywood Vine and Hollywood Western Stations. Turn-back operations implemented. Power was restored at 0527 hours. 2 trips canceled with a max delay of 20 mins.

01/06/16 Power

CCTV received a call reporting smoke on the AR at Wilshire Vermont. Arcing was reported on the AR track Wilshire/Vermont. Single track operations implemented from Westlake to Vermont/Santa Monica. At 1000 hrs, Traction Power inspectors found and removed debris along the third rail. At 1015 hrs, the track was re-energized and normal operations resumed. 20 trips affected with a max delay of 15 mins.

Red Line Vehicle Maintenance:

01/14/16 Vehicle Maintenance

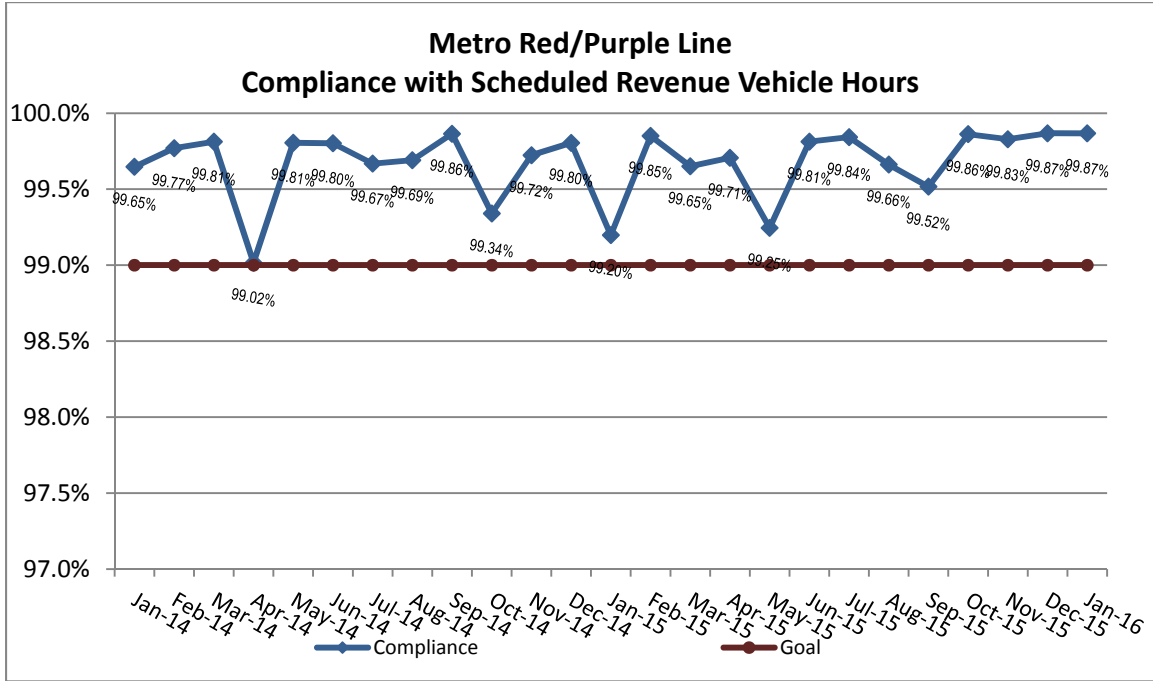
Train 206 reported no movement on Car 537 Eastbound at Civic. The friction brakes were cut out in car 537. Round trip canceled from Wilshire Western to Union Station. 2 trips canceled with a max delay of 10 mins.

01/28/16 Vehicle Maintenance

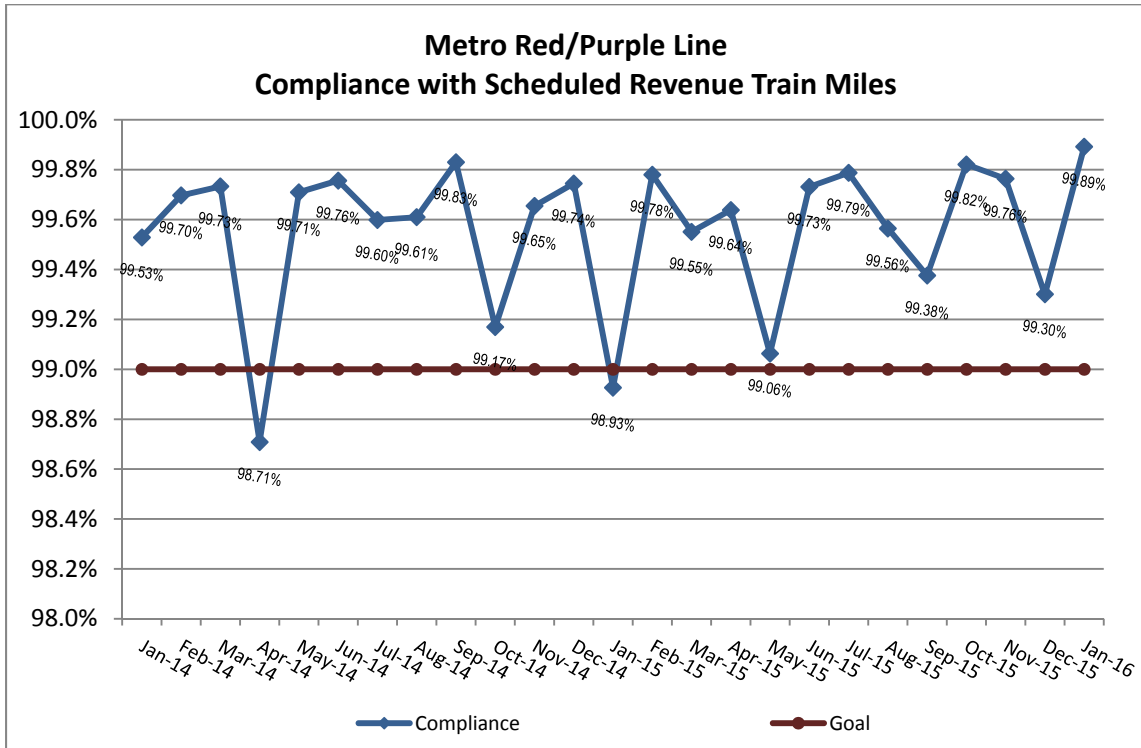
Train 209 reported the doors would not open on the entire consist at 7th/Metro through Union Station on the AL East. Doors opened from the intermediate cab. Train removed from service at Union Station and 1 round trip to Wilshire Western was canceled. 2 trips canceled with a max delay of 10 mins.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS FOLLOWS:

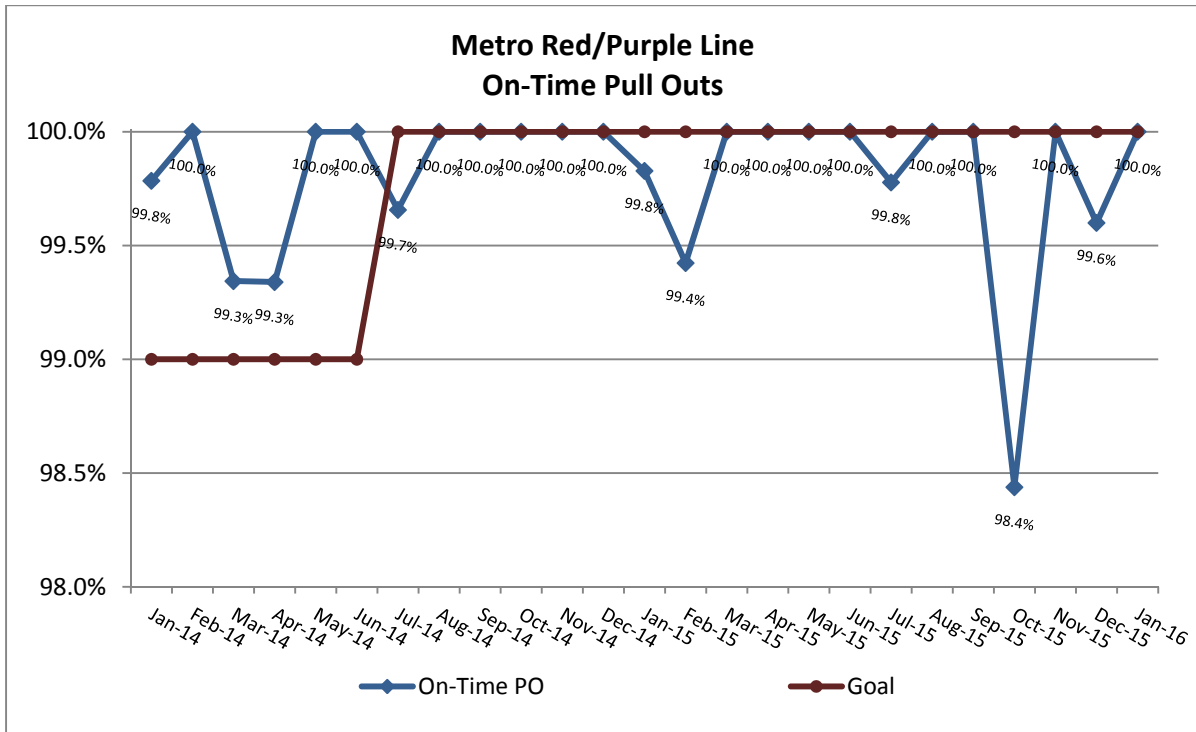
COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



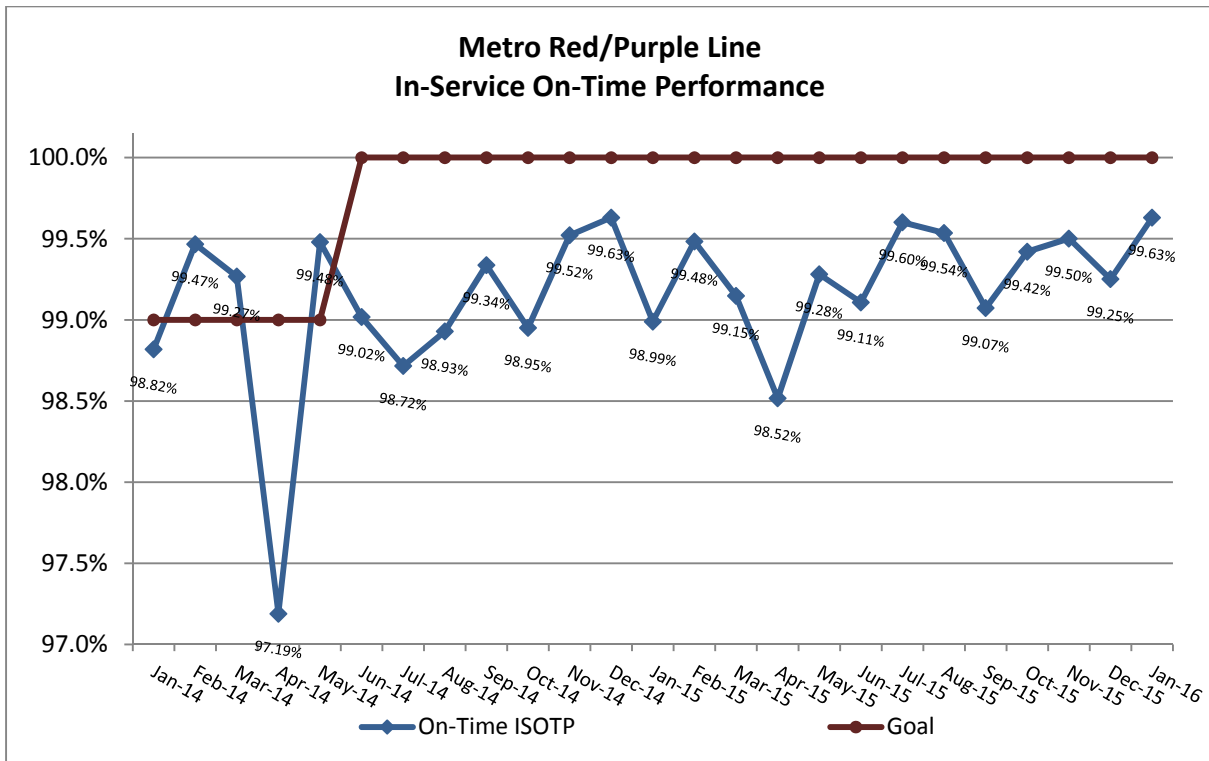
COMPLIANCE WITH SCHEDULED TRAIN MILES CHART

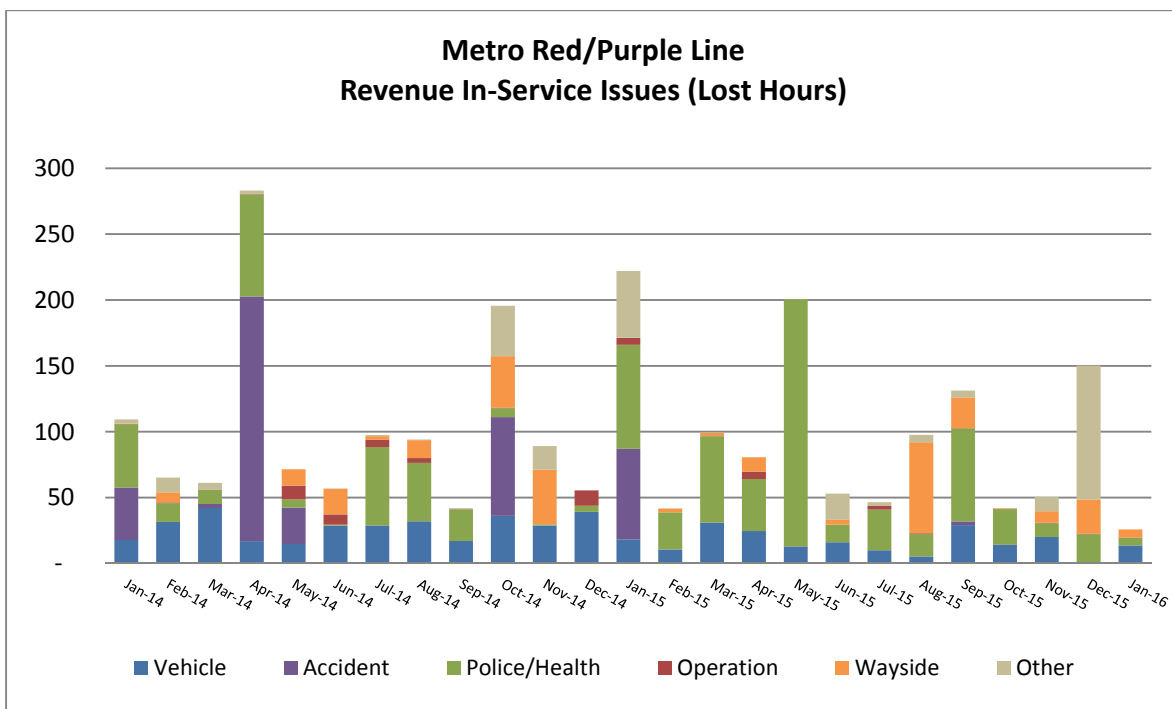
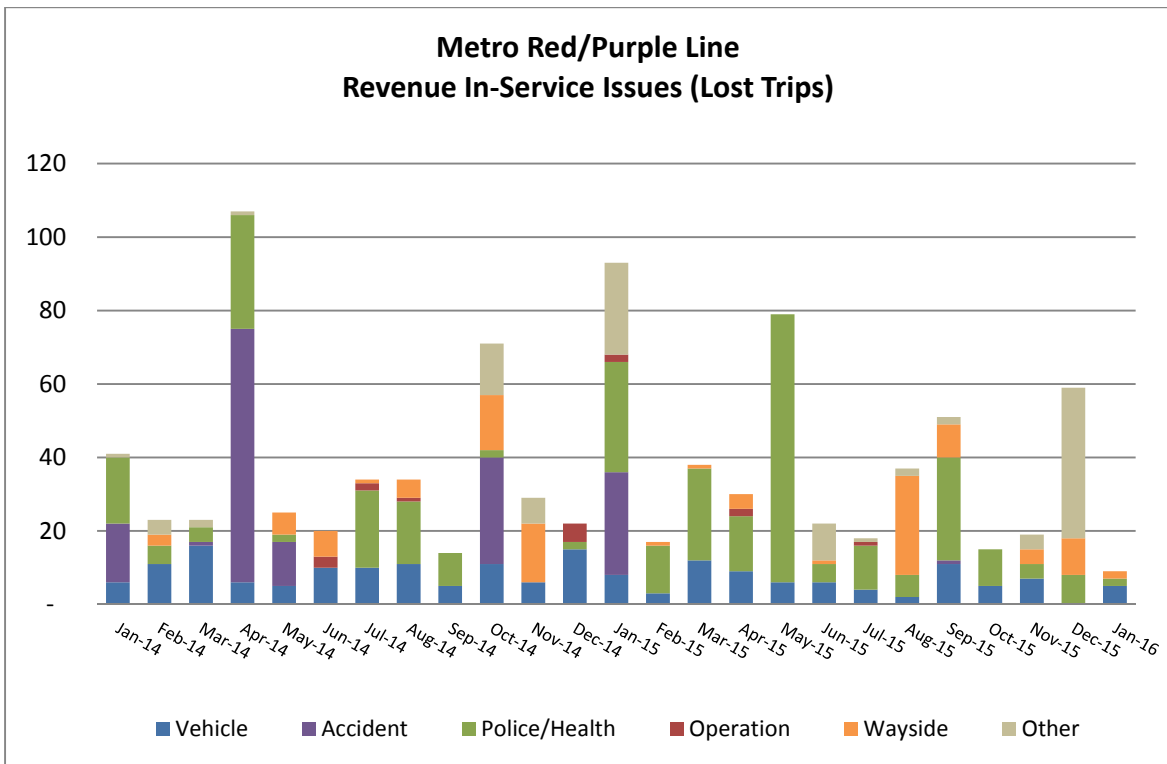


ON-TIME PULL OUTS CHART



IN-SERVICE ON-TIME PERFORMANCE CHART





GREEN LINE

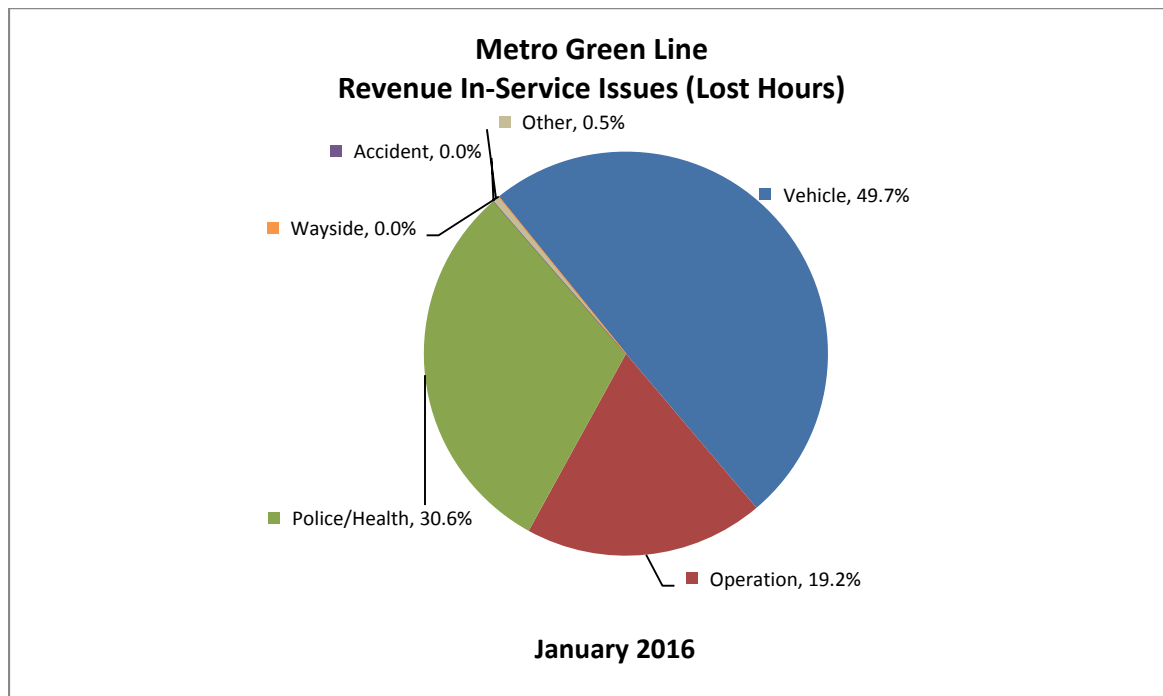
Out of a total of 7,809 hours operated, there were approximately 31 total hours of service delays.

January 2016 Service Hours:

Revenue Hours without Delays	7,778	99.6%
Hours Delayed	31	0.4%
Total Revenue Hours	7,809	100.0%

Summary of the major contributors:

• Operations	6 hours	19 %
• Accidents	0 hours	0 %
• Vehicle	15 hours	49 %
• Wayside	0 hours	0 %
• Police & Health	10 hours	31 %
• Other	<1 hour	<1 %
Total:	31 hours	100%



January 2016 Green Line major delay contributors were as follows:

Green Line Operations:

01/11/16 Operations

Train 361 was canceled due to no manpower or equipment at Norwalk Station, 1 round trip to Marine Canceled. 2 trips canceled with a max delay of 6 mins.

Green Line Police/Health:

01/02/16 Police/Health Train

331 reported a Sick Individual (fell when trying to kick a can) on board Eastbound at Hawthorne Station. Train 331 offloaded and single-track operations implemented from Aviation East to Crenshaw Interlocking. Train 331 held for Medical Response. 2 trips canceled with a max delay of 15 mins.

01/12/16 Police/Health

Train 334 was held train at Lakewood Station per LASD due to an assault that occurred at Norwalk Station. Single-tracking operations implemented. Train was released at 2232 hrs. 20 mins max delay.

01/27/16 Police/Health

A Fight on board was reported on Train 361 at Avalon Station. Train held for LASD. Train 361 was departing Vermont Station, when door tee was pulled and operator had to exit train on to the ROW and reset. Train 351 and 361 are canceled eastbound and Train 334 was turned back from El Segundo to recover the schedule and provide on-time service. 5 trips canceled with a max delay of 20 mins.

Green Line Vehicle Maintenance:

01/19/16 Vehicle Maintenance

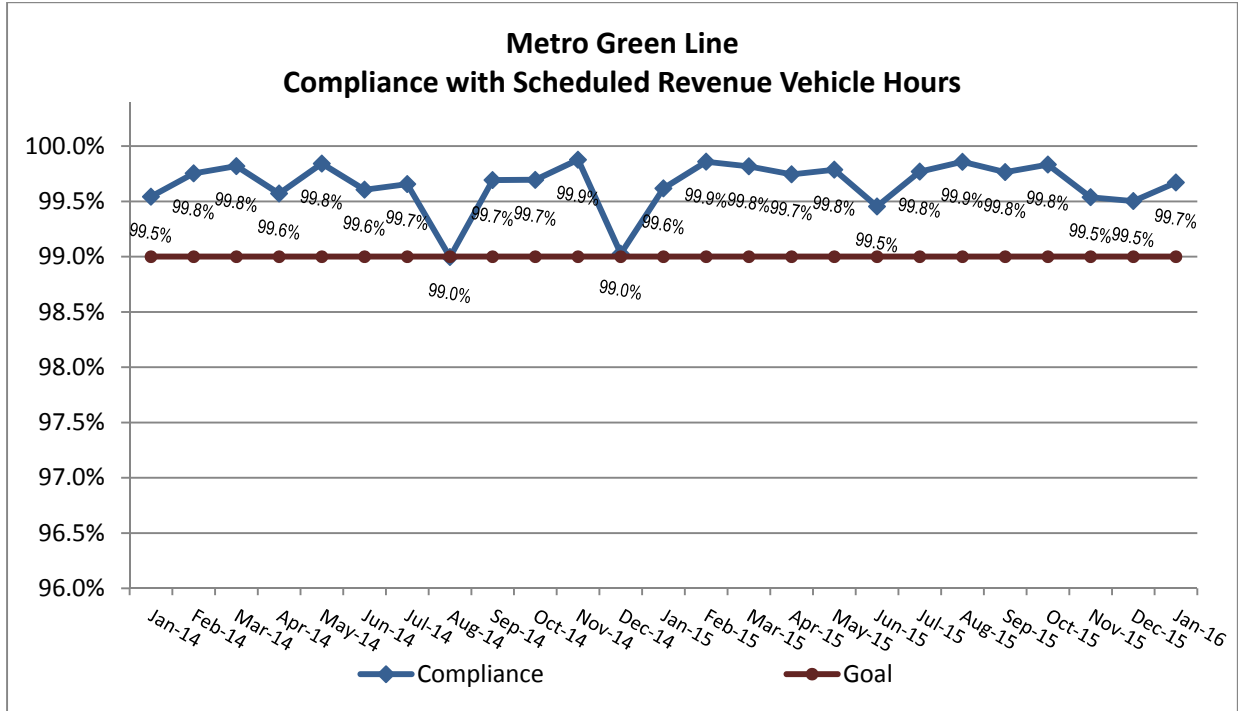
Train 335 reported propulsion faults on Car 214 Eastbound at Hawthorne station. On approach to Crenshaw station the train experienced a door problem. As vehicle tech boarded, the train experienced no movement at Vermont station. 335 regained movement at a restricted speed to offload at Willowbrook station. Train 344 was canceled and used on Train 335's time until a replacement entered the line. 3 trips canceled with a max delay of 15 mins.

01/28/16 Vehicle Maintenance

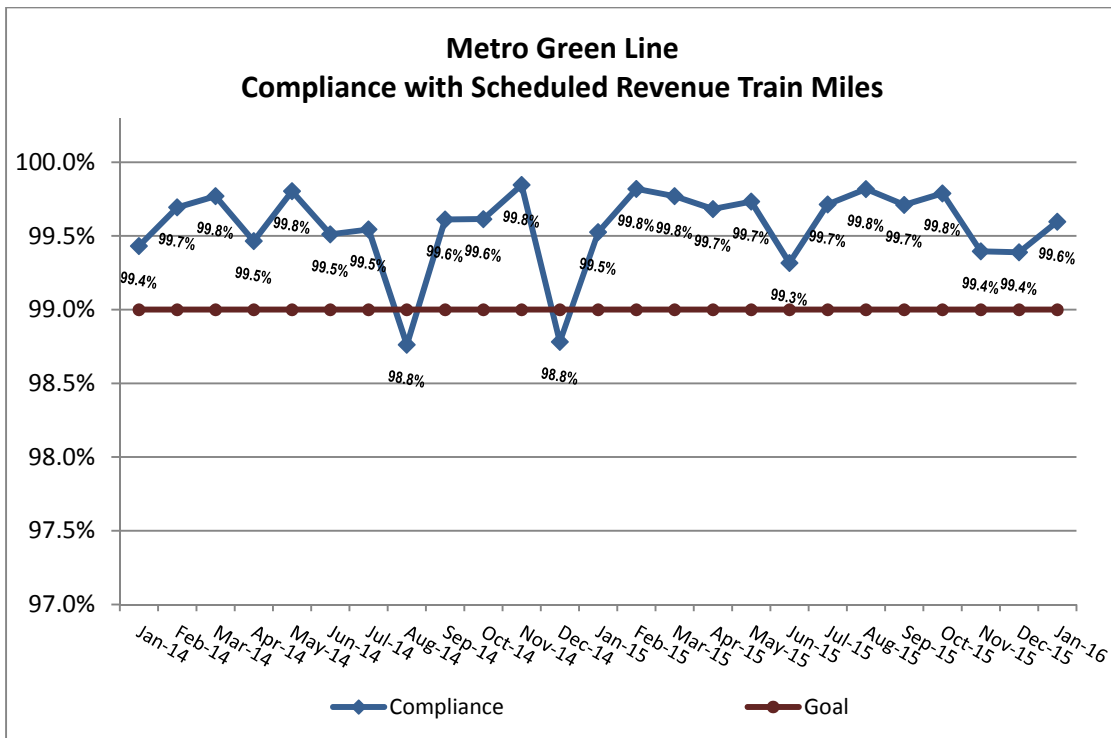
Train 353 reported a Propulsion fault on Car 205 Eastbound at Mariposa Station. Fault was cleared but returned, train proceeded east to Norwalk. Train 331 was turned back from El Segundo Station. 1 trip canceled with a max delay of 20 mins.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS FOLLOWS:

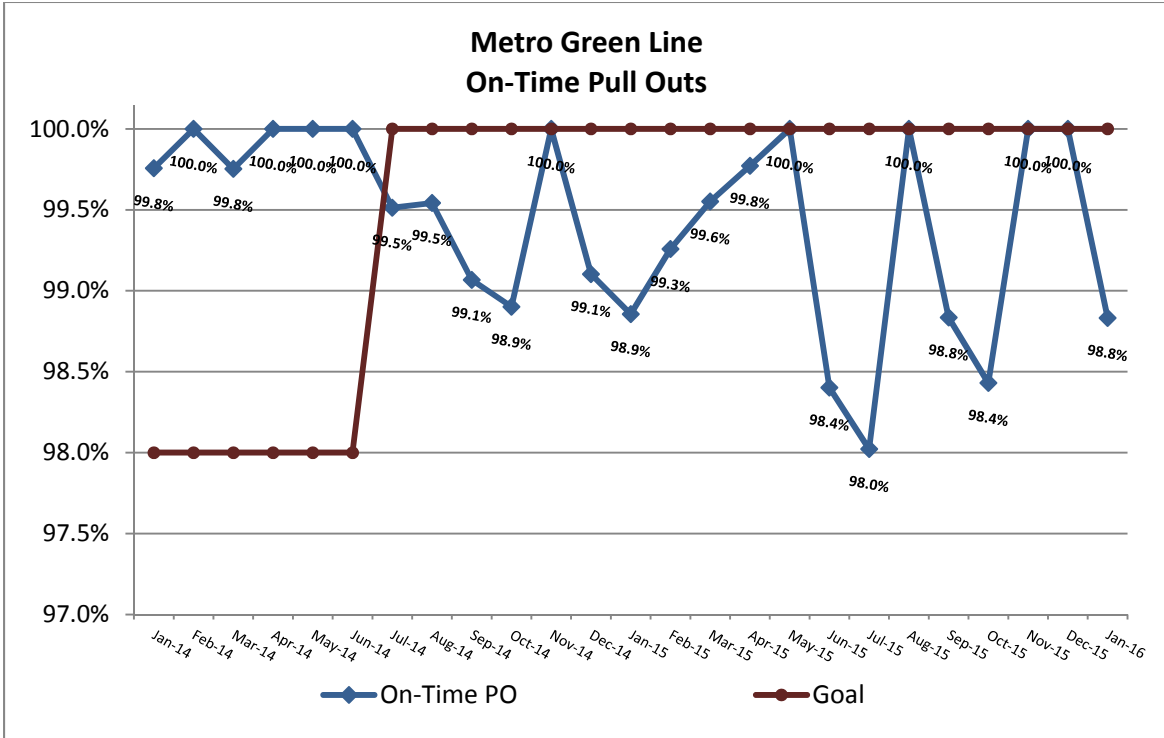
COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



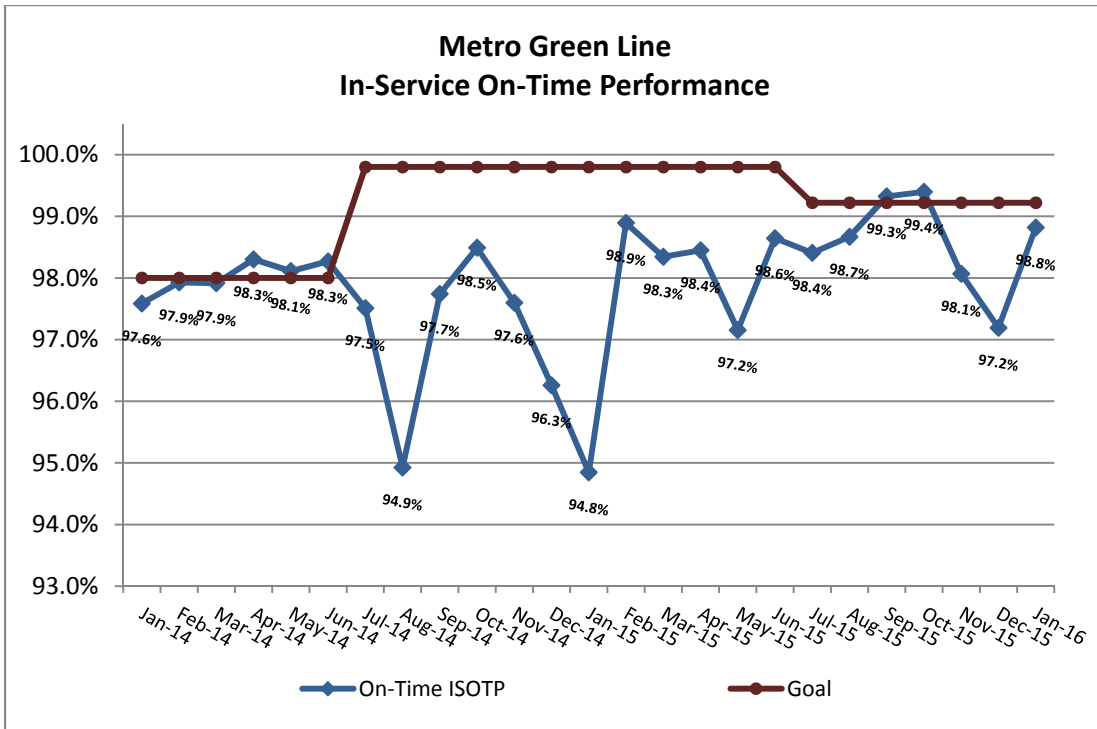
COMPLIANCE WITH SCHEDULED TRAIN MILES CHART

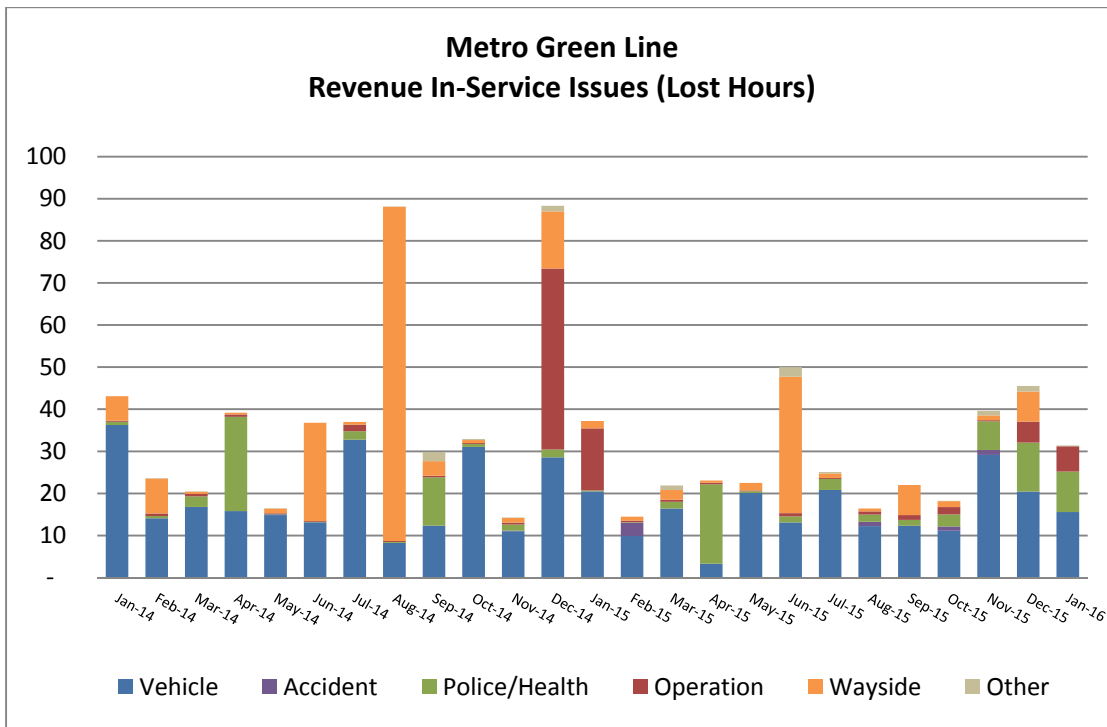
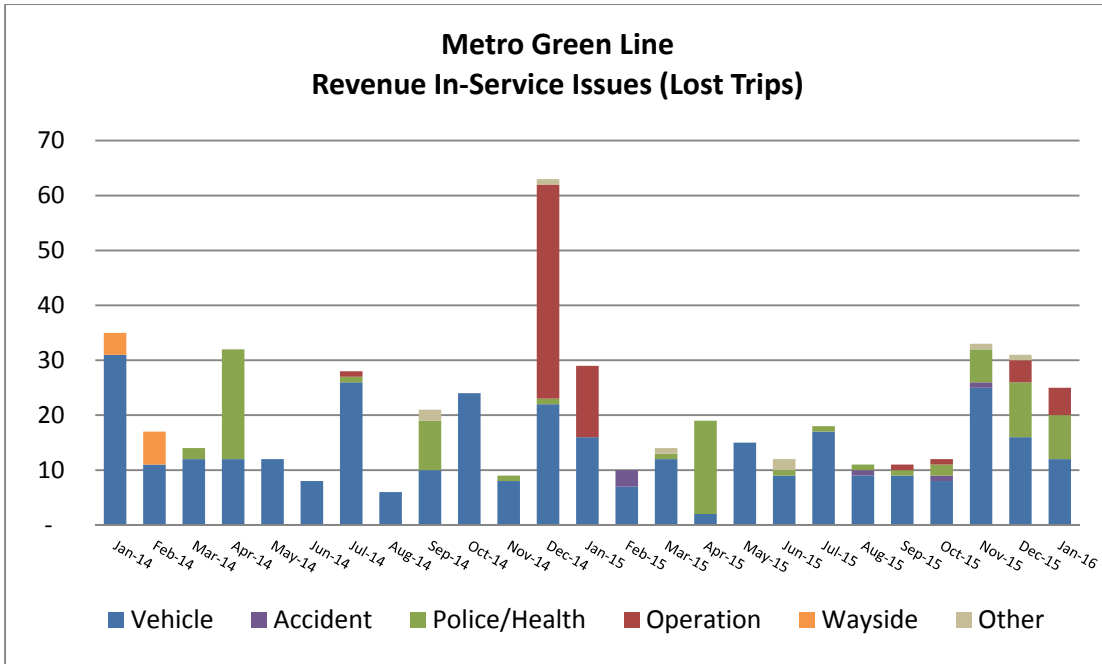


ON-TIME PULL OUTS CHART



IN-SERVICE ON-TIME PERFORMANCE CHART





GOLD LINE

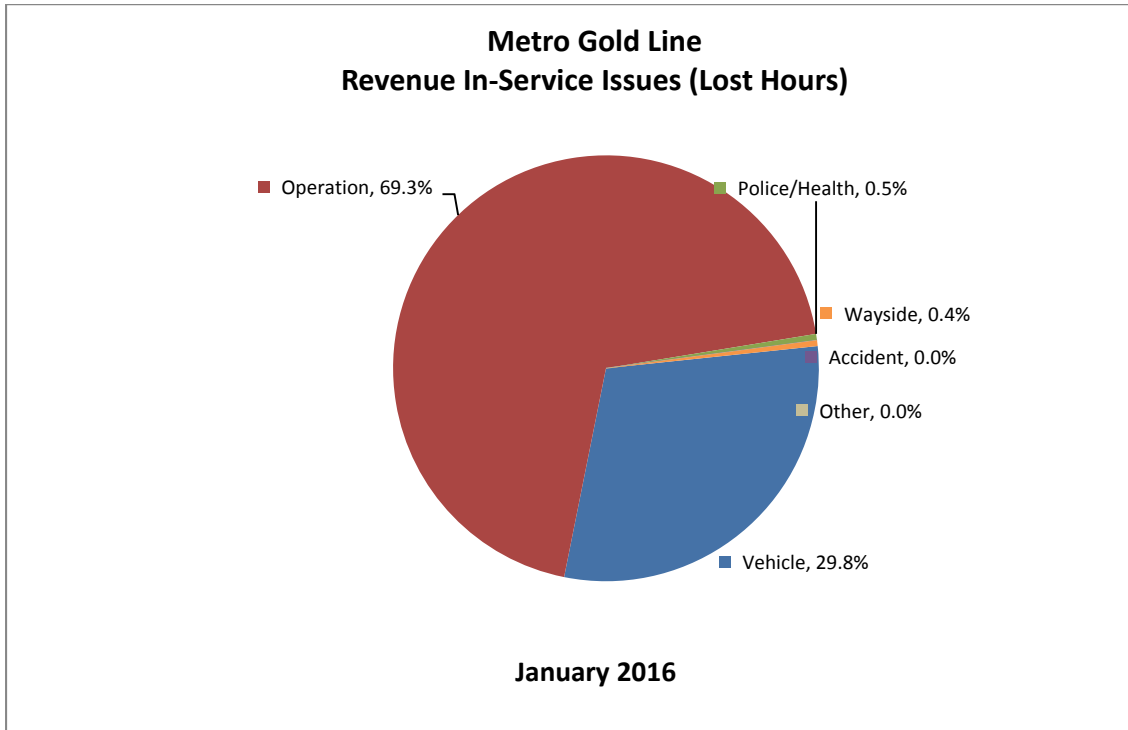
Out of a total of 13,748 hours operated, there were approximately 61 total hours of service delays.

January 2016 Service Hours:

Revenue Hours without Delays	13,687	99.6%
Hours Delayed	61	0.4%
Total Revenue Hours	15,758	100%

Summary of the major contributors:

- Operations 42 hours 69 %
- Accidents 0 hours 0 %
- Vehicle 18 hours 30 %
- Wayside <1 hours <1 %
- Police & Health <1 hours <1 %
- Other 0 hours 0 %
- Total: 61 hours 100%**



Gold Line major delay contributors were as follows:

Gold Line Operations:

01/24/16 Operations

SCADA system indicated Pico/Aliso IL signal 2S overrun by Train-471. The operator performed ground inspection and returned to Pico/Aliso Station. Maximum service delay incurred from incident due the following train unable to communicate with ROC via base and hand held radio system inside eastside portal. 22 mins max delay.

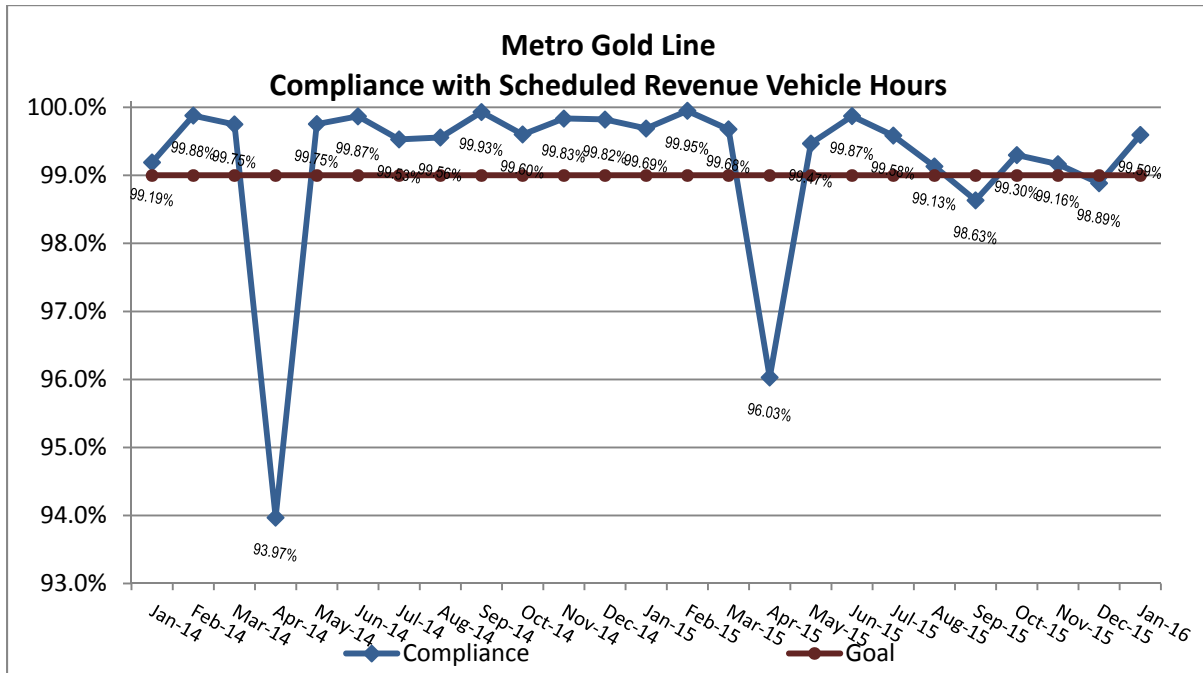
Gold Line Police/Health:

01/21/16 Police/Health

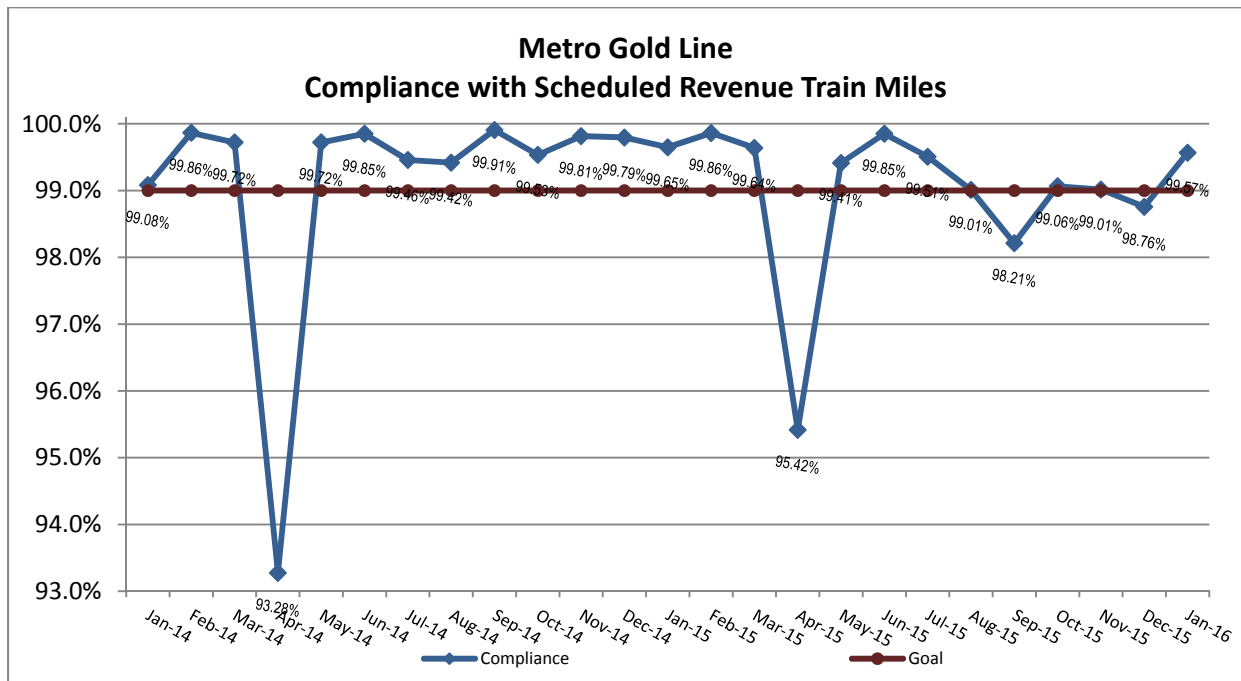
Train 414 reported a possible trespasser on track 2 between California grade crossing and Del Mar grade crossing. All train movement held by LASD for search of trespasser. The trains were released by LASD at 1836 hrs. 20 mins max delay.

MEASURES OF THE OVERALL SERVICE IMPACT OF RAIL INCIDENTS FOLLOWS:

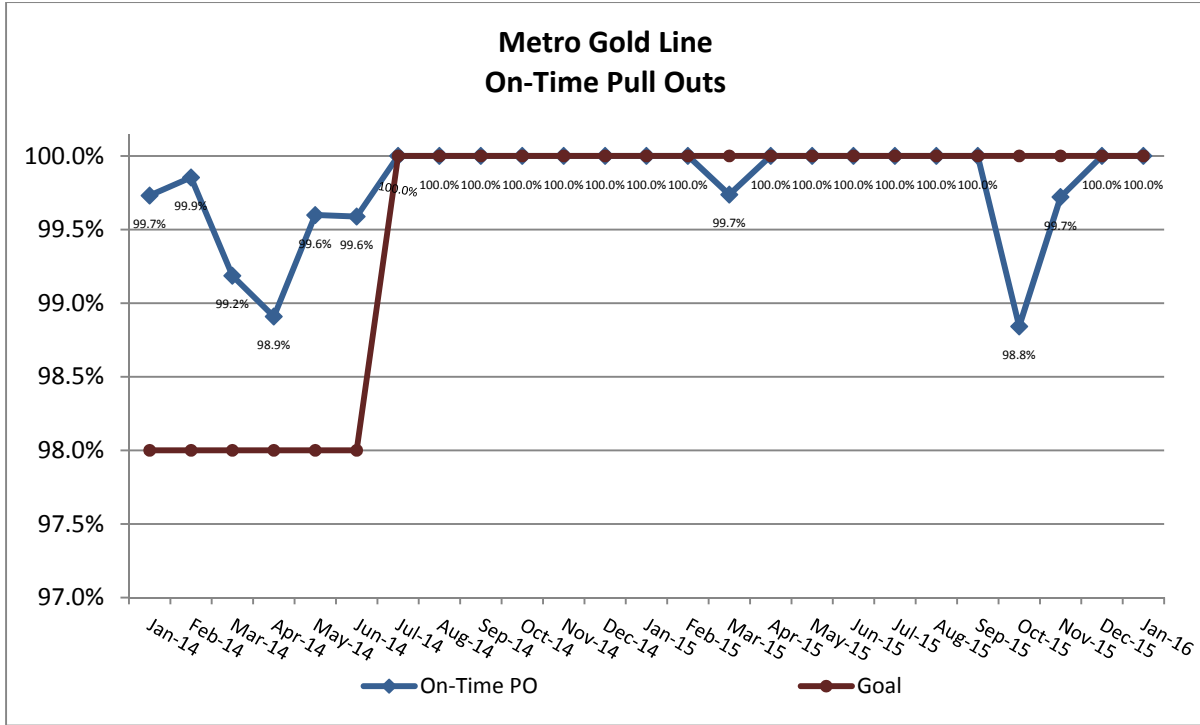
COMPLIANCE WITH SCHEDULED VEHICLE HOURS CHART



COMPLIANCE WITH SCHEDULED TRAIN MILES CHART



ON-TIME PULL OUTS CHART



IN-SERVICE ON-TIME PERFORMANCE CHART

