



Rail Fleet Services Monthly Report June 2018

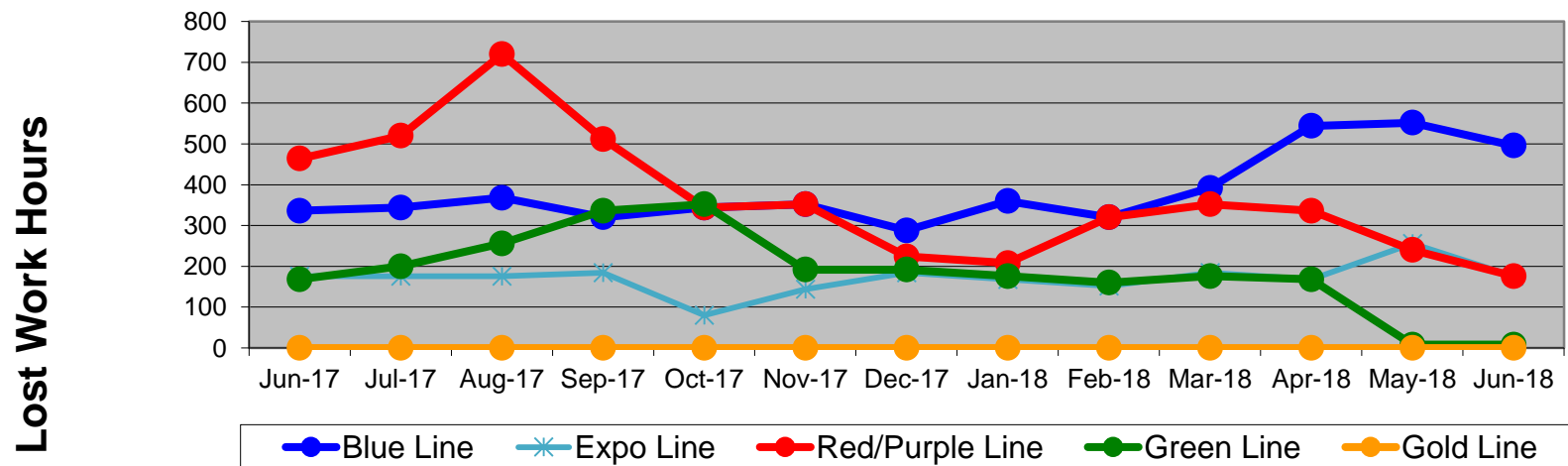
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Industrial Injuries – Lost Work Hours June 2017-2018

	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	13-Month Period
Blue Line	336	344	368	320	344	352	288	360	320	392	544	552	496	5,016
Expo Line	176	176	176	184	80	144	184	168	152	184	168	256	176	2,224
Red/Purple Line	464	520	720	512	344	352	224	208	320	352	336	240	176	4,768
Green Line	168	200	256	336	352	192	192	176	160	176	168	8	8	2,392
Gold Line	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	1,144	1,240	1,520	1,352	1,120	1,040	888	912	952	1,104	1,216	1,056	856	14,400

Industrial Injuries (lost work hours)



Rail Vehicle Accidents & Major Incidents

June 2017-2018

Repair Costs	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	13-Month Period
Blue Line	\$15,084	\$632	\$268	\$3,683	\$31,202	\$1,016	\$344	\$0	\$120	\$561	\$0	\$24,498	\$3,072	\$80,480
Expo Line	\$0	\$0	\$191	\$0	\$25,571	\$597	\$321	\$0	\$563	\$8,890	\$9,249	\$1,811	\$0	\$47,193
Red/Purple Line	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$741	\$0	\$0	\$0	\$1,730	\$2,471
Green Line	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,777	\$0	\$0	\$0	\$11,777
Gold Line	\$0	\$0	\$0	\$1,343	\$5,751	\$0	\$680	\$0	\$0	\$0	\$0	\$0	\$389	\$8,163
Totals	\$15,084	\$632	\$459	\$5,026	\$62,524	\$1,613	\$1,345	\$0	\$1,424	\$21,228	\$9,249	\$26,309	\$5,191	\$150,084

Rail Vehicle Accident Costs - June 2018				
Date	Incident #	Problem Code	Incident Description	Repair Cost
Metro Blue Line				
6/3/18	3012785	Train vs. Vehicle	A 10-73 was reported at Washington Blvd. and Trinity St. Track 2 SB.	\$ 3,072
6/14/18	3017422	Train vs. Pedestrian	A 10-72 was reported at Vernon Station. A person was hit departing the station.	\$ -
Metro Blue Line Total				\$ 3,072
Metro Expo Line				
6/14/18	3017402	Train vs. Vehicle	A 10-73 was reported at flower and 18th St., SB.	\$ -
Metro Expo Line Total				\$ -
Metro Gold Line				
6/4/18	3013338	Train vs. Pedestrian	Two-year old child ran into arriving train at Indiana platform 1.	\$ 389
Metro Gold Line Total				\$ 389
Metro Red Line				
6/21/18	3020055	Train vs. Object	Car hit a stroller on the ROW at Vermont Sunset on the AL track.	\$ -
6/28/18	3022806	Derailment	Derailment due to switch issue.	\$ 1,730
Metro Red Line Total				\$ 1,730
Grand Total				\$ 5,191
10-71 = Train vs. Object/ 10-72 = Train vs. Pedestrian/ 10-73 = Train vs. Vehicle/ 10-74 = Train vs. MTA Vehicle/ 10-75 = Derailment				

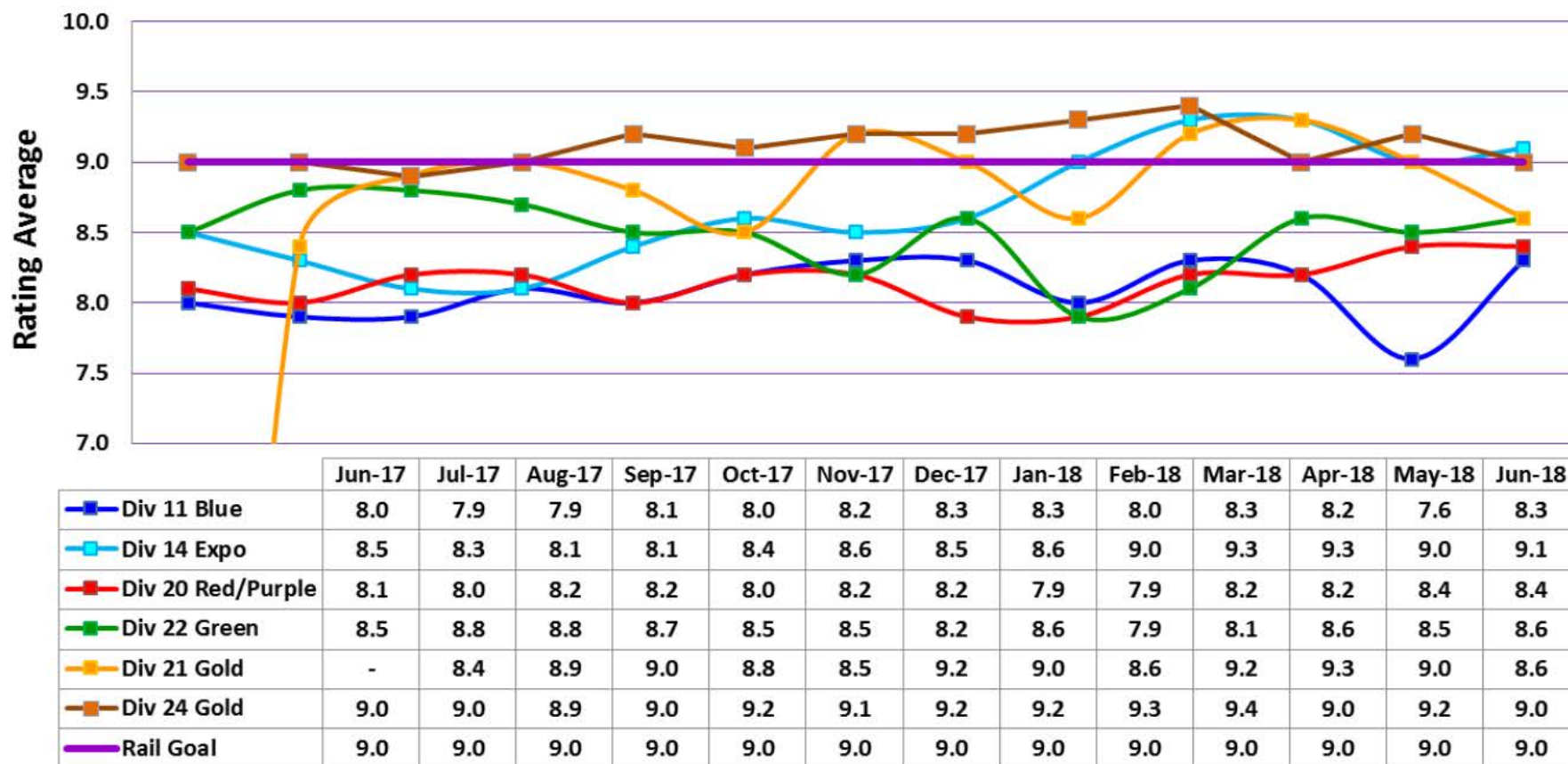


Note: Repair costs are only the expenses captured during the time period of the report. Actual costs may be significantly higher, if repairs are spread out over several months.

Rail Vehicle – Car Cleanliness

June 2017-2018

Car Cleanliness Report



Service Delivery June 2018

Blue Line Fleet Size: 92

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday:	66	68	103%
Weekend:	27	53	196%

Monthly Mileage: 482,042

Expo Line Fleet Size: 55

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday:	45	42	93%
Weekend:	30	37	123%

Monthly Mileage: 295,204

Red/Purple Line Fleet Size: 98

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday:	68	74	109%
Weekend:	40	66	165%

Monthly Mileage: 592,720

Green Line Fleet Size: 34

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday:	26	26	100%
Weekend:	14	19	136%

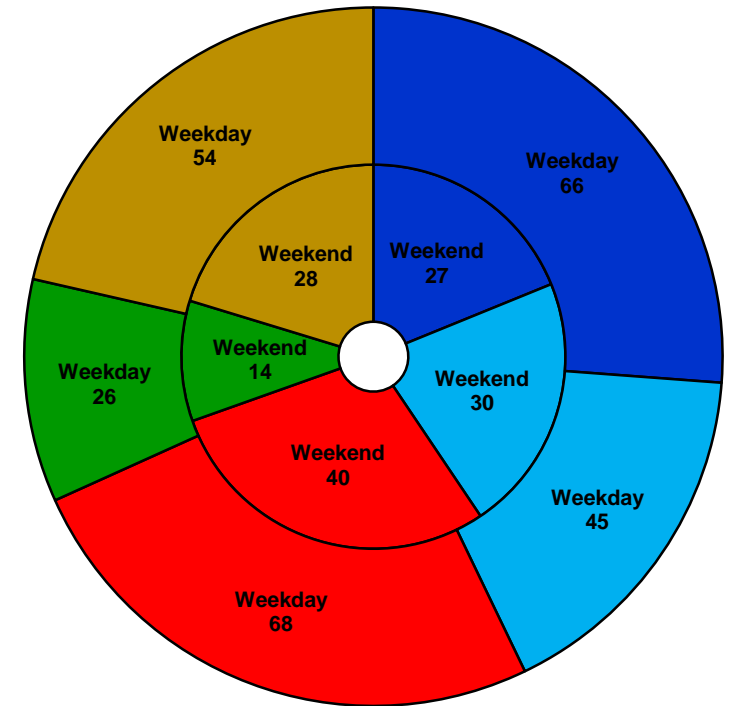
Monthly Mileage: 246,833

Gold Line Fleet Size: 72

Pull Out	Vehicles Required	Average Available	% Up (Down)
Weekday (Div 21):	12	13	108%
Weekday (Div 24):	42	43	102%
Weekend (Div 24):	28	41	146%

***Monthly Mileage: 631,176**

*** Gold Line monthly mileage includes Division 21 and 24.**

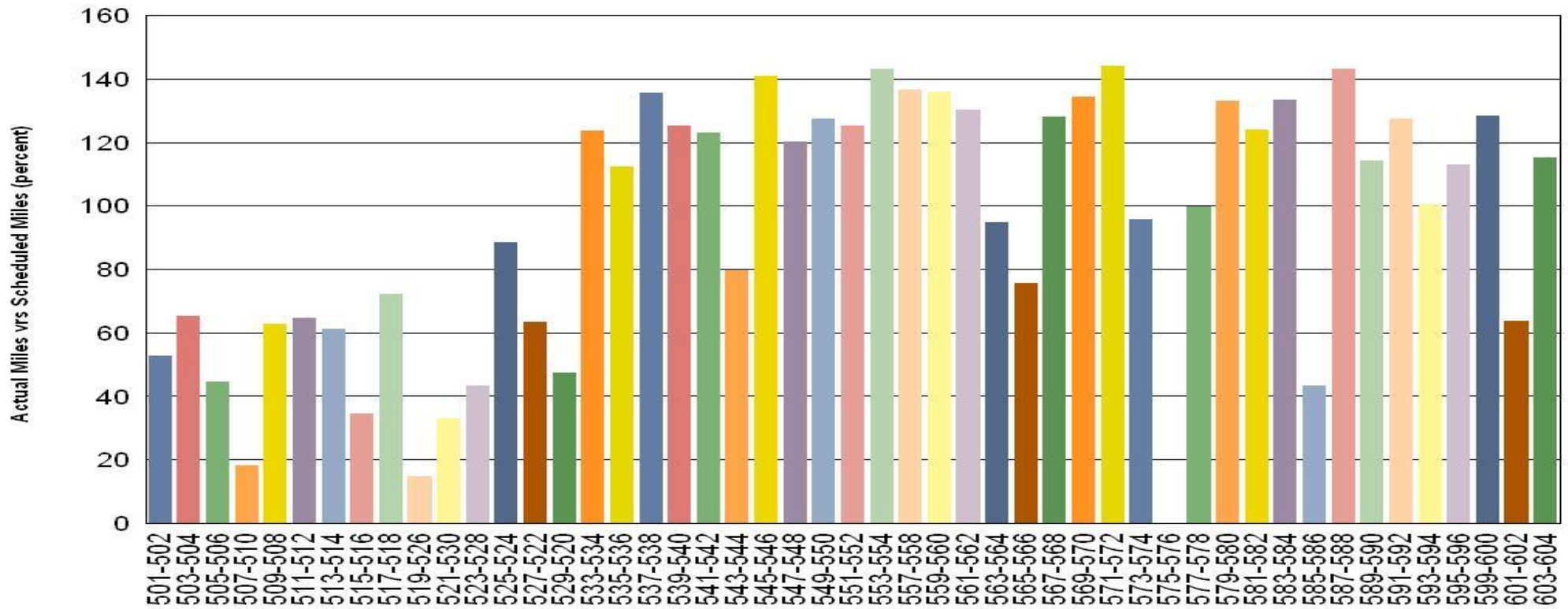


■ Blue Line ■ Expo Line ■ Red/Purple Line ■ Green Line ■ Gold Line

NOTES: Standby trains not included in vehicle requirements

Vehicle Utilization June 2018

Metro Red/Purple Line (98 Cars)



Red/Purple Line:

The following cars were in service below 40% due to:

Car # 507-510 – Propulsion Fault

Car # 515-516 – Propulsion Fault

Car # 519-526 – Truck Replacement

Car # 521-530 – Propulsion Fault

Car # 575-576 – Interior Renovation Campaign

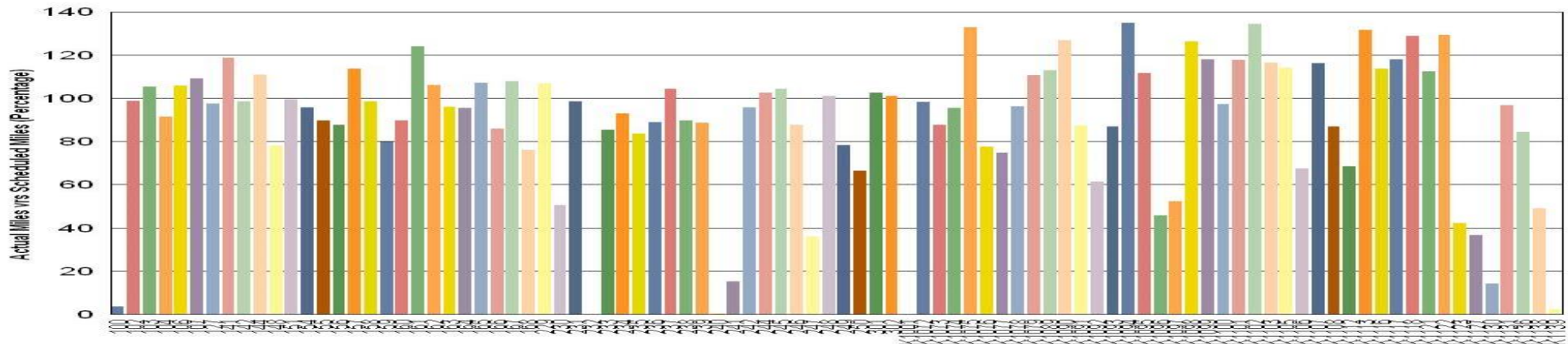


•Percentage includes an average 4% mileage deduction for yard mileage and vehicle testing.

Vehicle Utilization

June 2018

Metro Blue Line (92 Cars)



Blue Line: The following cars were in service below 40% due to:

Car # 100 – Decommissioned/ Restoration Project for City of Long Beach

Car # 232 – Off the Property for Midlife Overhaul

Car # 240 – Friction Ring Replacement

Car # 241 – Door Overhaul / Exterior Paint Restoration

Car # 247 – Gearbox Overhaul

Car # K1001 – Warranty Work Orders/Missing Skirts

Car # K1127 – Warranty Work Orders/ATP Issue

Car # K1130 – Arrived at Div. 11 on 6-22-2018 / Warranty Work Orders

Car # K1139 – Arrived at Div. 11 on 6-24-2018 / Warranty Work Orders

Expo Line: The following cars were in service below 40% due to:

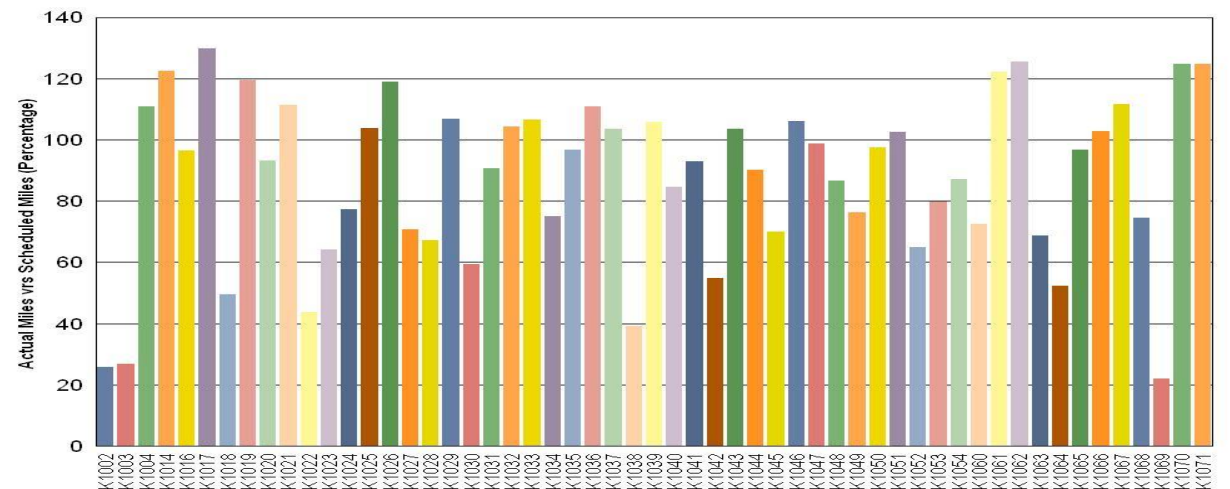
Car # K1002 – APS Issue, Long Lead Time getting Part

Car # K1003 – 120K Inspection and Related Work Orders

Car # K1038 – 120K Inspection and Related Work Orders

Car # K1069 – ATP Antenna Damaged. Long Lead time on Repair Parts.

Metro Expo Line (55 Cars)

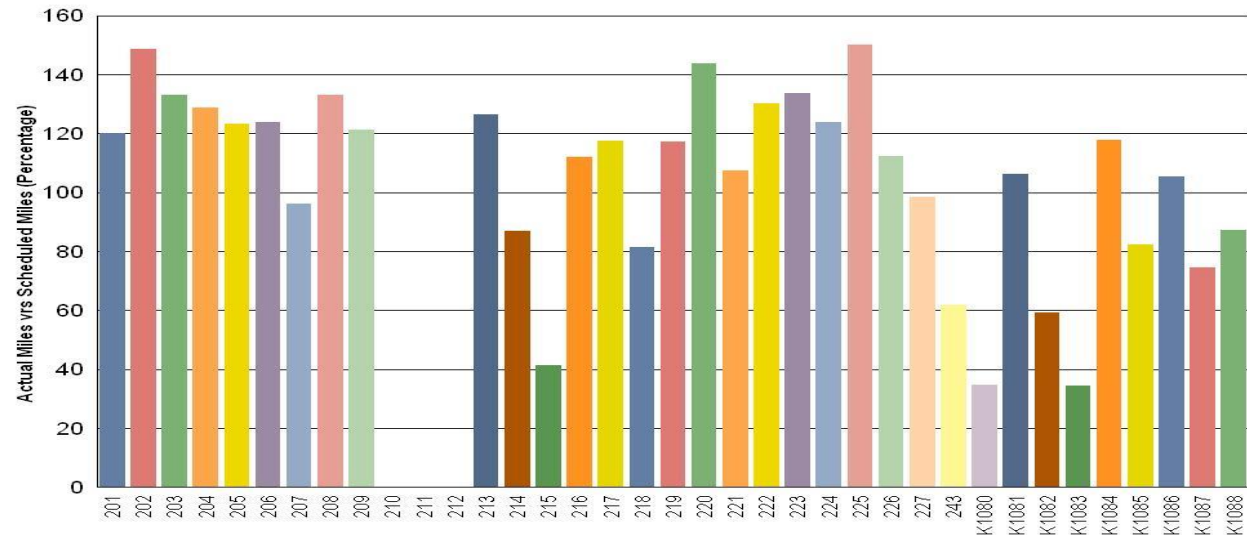


Note: Percentage includes an average 4% mileage deduction for yard mileage and vehicle testing.

Vehicle Utilization

June 2018

Metro Green Line (34 Cars)



Green Line:

The following cars were in service below 40% due to:

Car # 210 – Off the Property for Midlife Overhaul

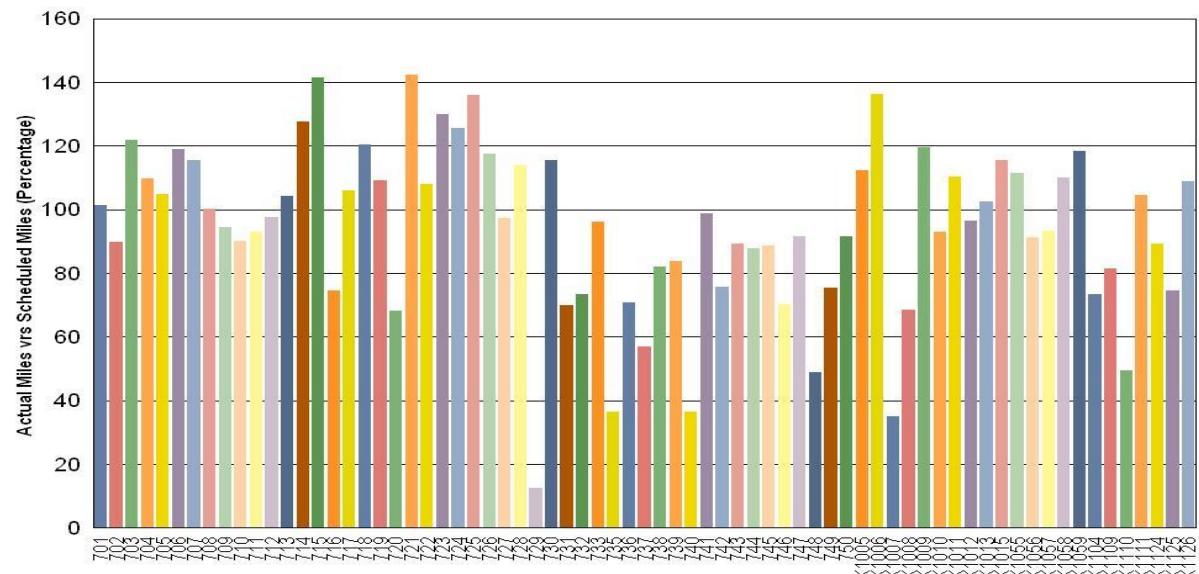
Car # 211 – Off the Property for Midlife Overhaul

Car # 212 – Off the Property for Midlife Overhaul

Car # K1080 – No movement

Car # K1083 – ATO Issue

Metro Gold Line (72 Cars)



Gold Line:

The following cars were in service below 40% due to:

Car # 729 – Propulsion Faults (Wheel Diameter Problems)

Car # 735 – “C” Truck Journal Bearings need Replacement

Car # 740 – 120K Inspection & Wheel Diameter mismatch

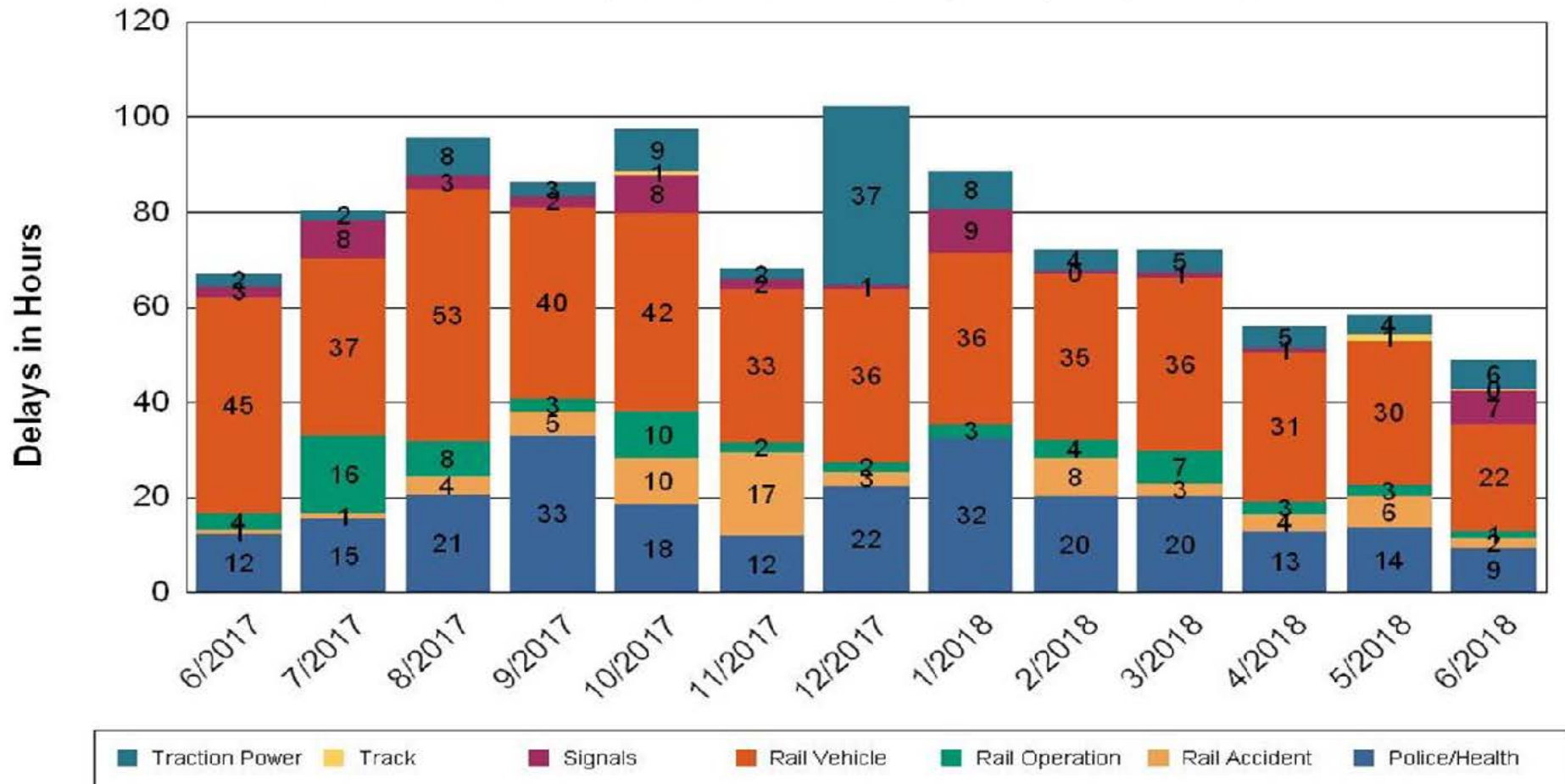
Car # K1007 – Test Car for Upgraded PA/Automatic Announcements



All Train Delays (Hours) June 2017-2018

All Train Delays

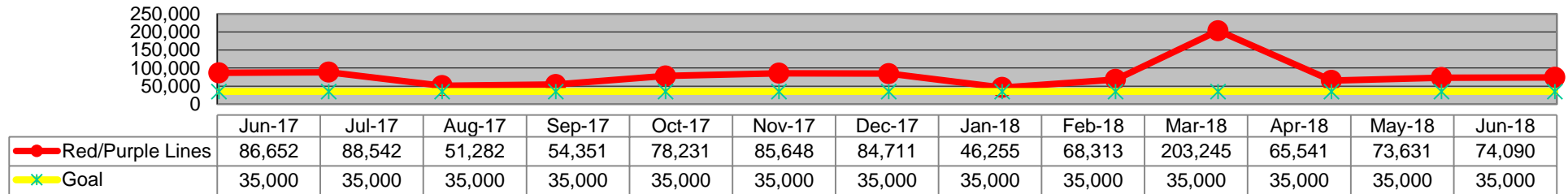
Totals Include the delay to all trains involved (not just the primary incident)



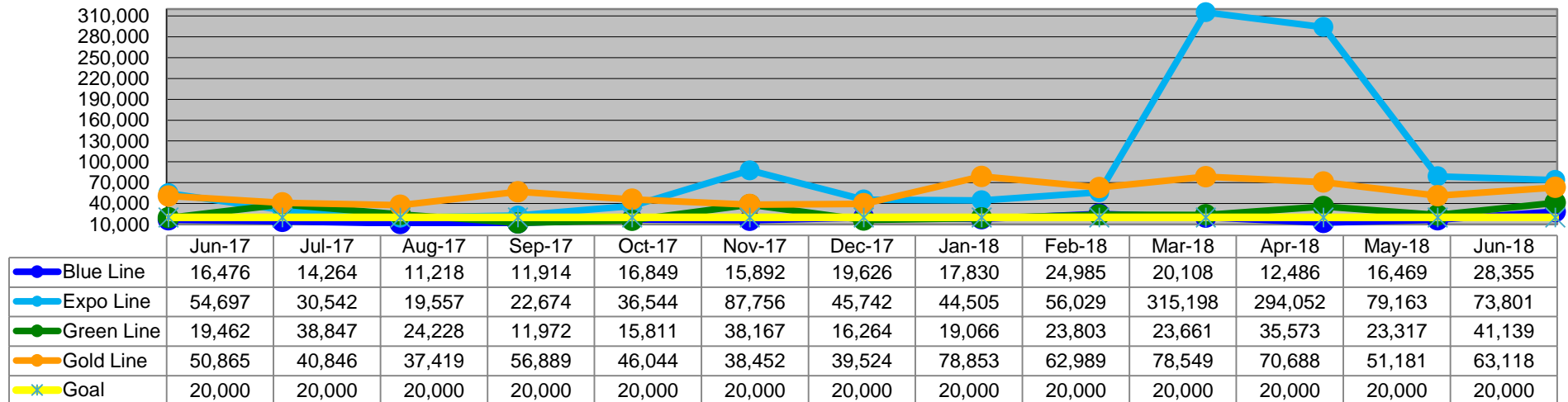
Mean Miles Between Major Failures (MMBF)

June 2017-2018

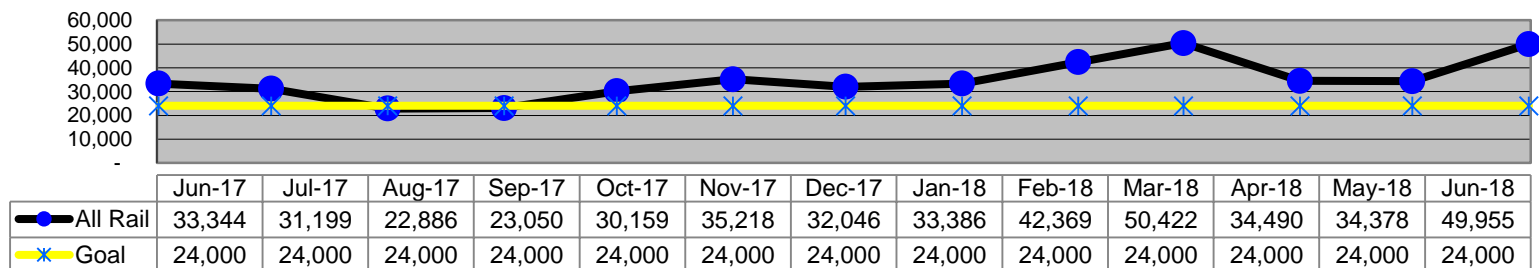
Mean Miles Between Major Failures - Heavy Rail



Mean Miles Between Major Failures - Light Rail



Mean Miles Between Major Failures (all)

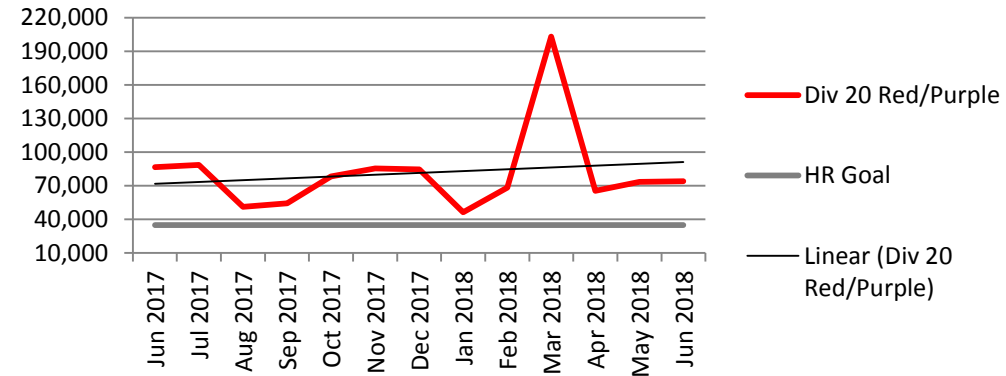


MMBF by Division

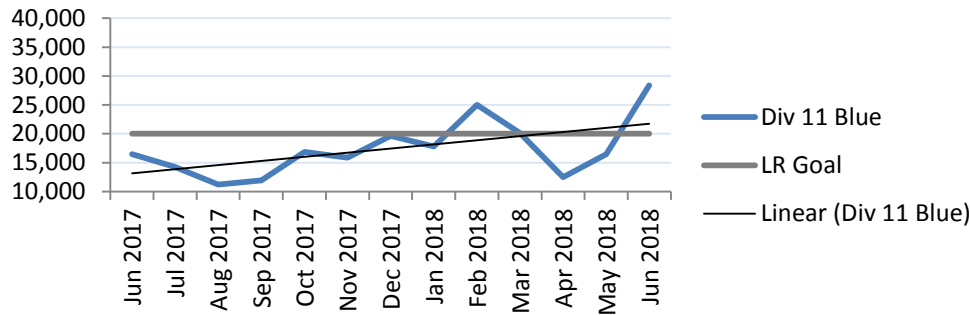
June 2017-2018

Month	Div 11 Blue	Div 14 Expo	Div 20 Red/Purple	Div 22 Green	Div 21/24 Gold	LR Goal	HR Goal
Jun 2017	16,476	54,697	86,652	19,462	50,865	20,000	35,000
Jul 2017	14,264	30,542	88,542	38,847	40,846	20,000	35,000
Aug 2017	11,218	19,557	51,282	24,228	37,419	20,000	35,000
Sept 2017	11,914	22,674	54,351	11,972	56,889	20,000	35,000
Oct 2017	16,849	36,544	78,231	15,811	46,044	20,000	35,000
Nov 2017	15,892	87,756	85,648	38,167	38,452	20,000	35,000
Dec 2017	19,626	45,742	84,711	16,264	39,524	20,000	35,000
Jan 2018	17,830	44,505	46,255	19,066	78,853	20,000	35,000
Feb 2018	24,985	56,029	68,313	23,803	62,989	20,000	35,000
Mar 2018	20,108	315,198	203,245	23,661	78,549	20,000	35,000
Apr 2018	12,486	294,052	65,541	35,573	70,688	20,000	35,000
May 2018	16,469	79,163	73,613	23,317	51,181	20,000	35,000
Jun 2018	28,355	73,801	74,090	41,139	63,118	20,000	35,000

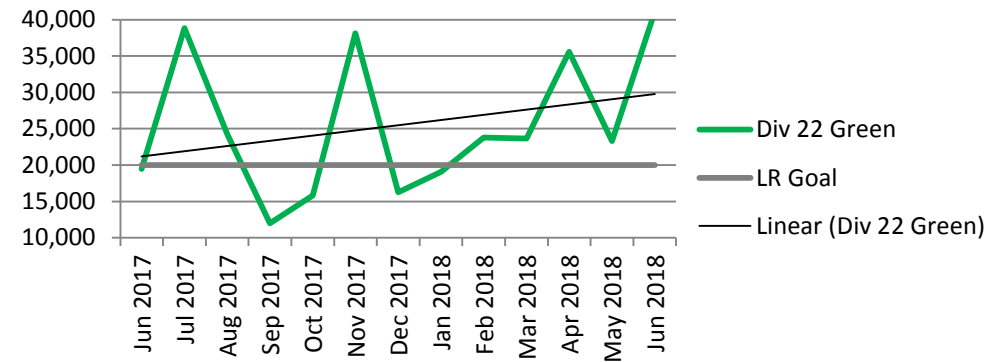
MRL MMBF



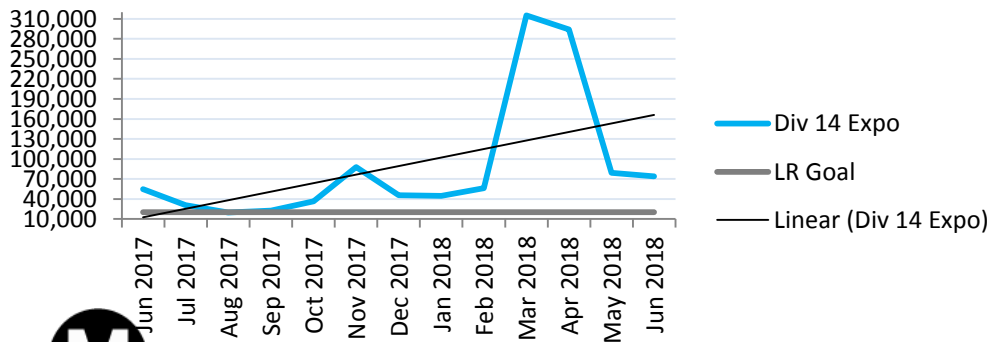
MBL MMBF



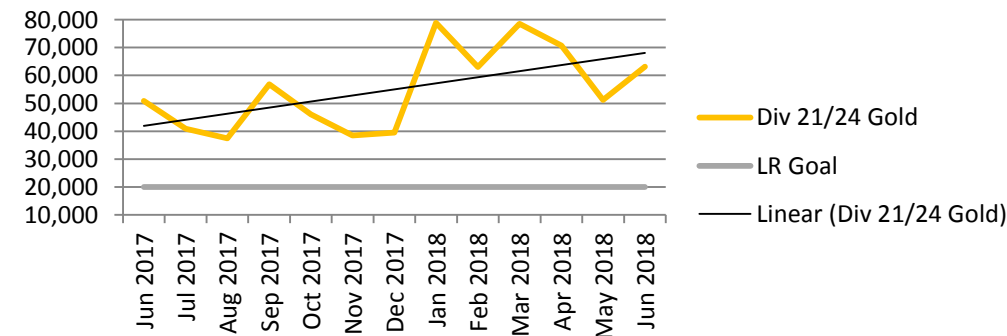
MGL MMBF



EXPO MMBF

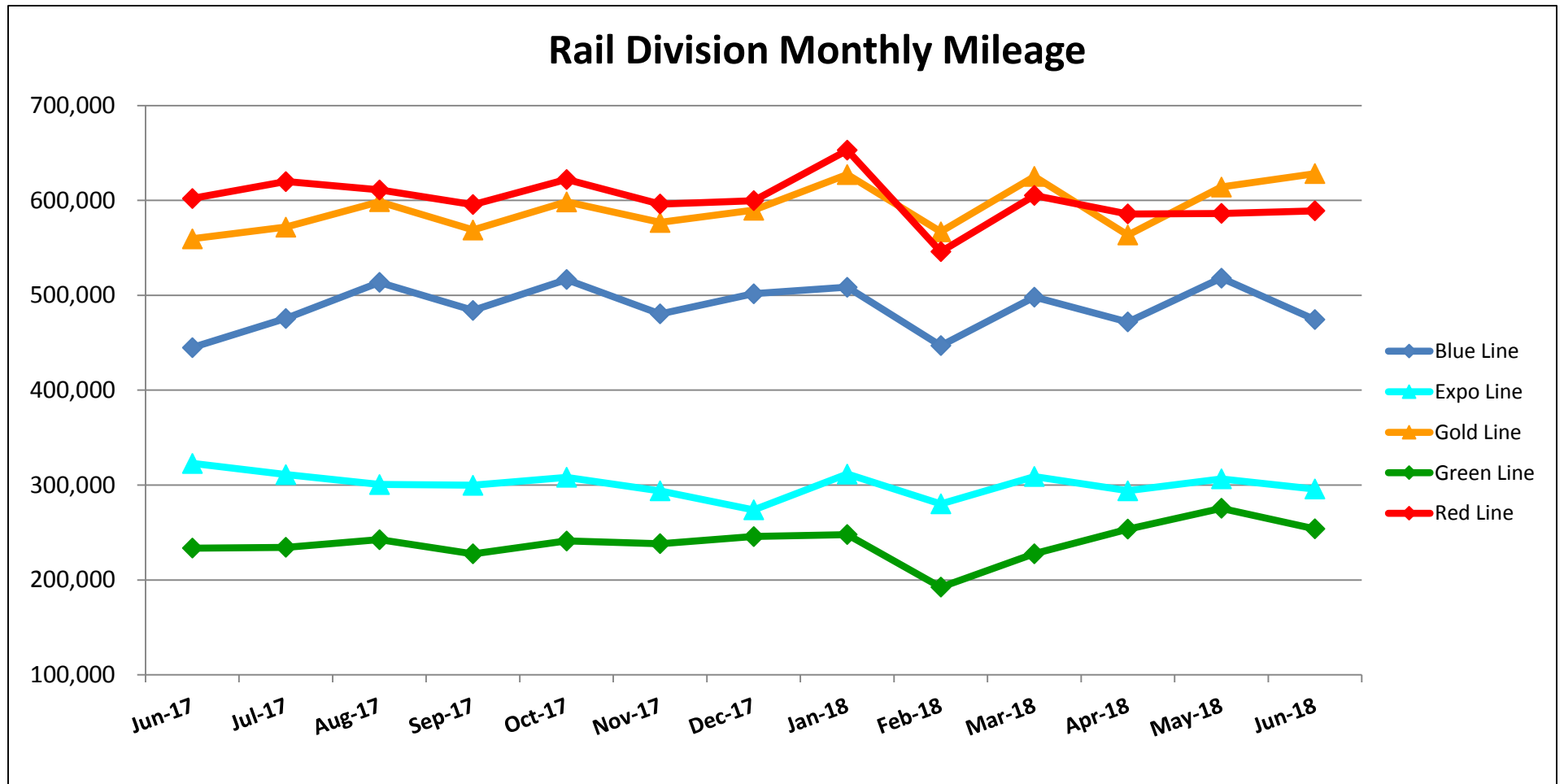


MGDL MMBF



Mileage Between Data Range (by month)

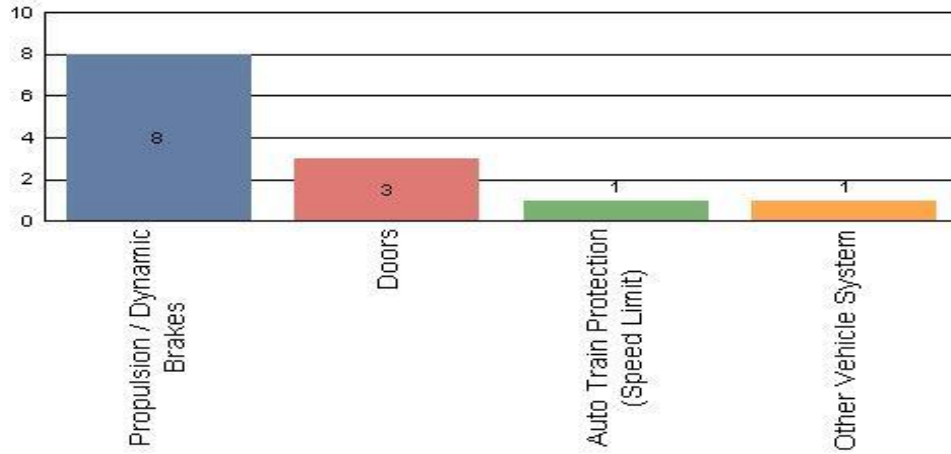
June 2017-2018



Top Incident Categories June 2018

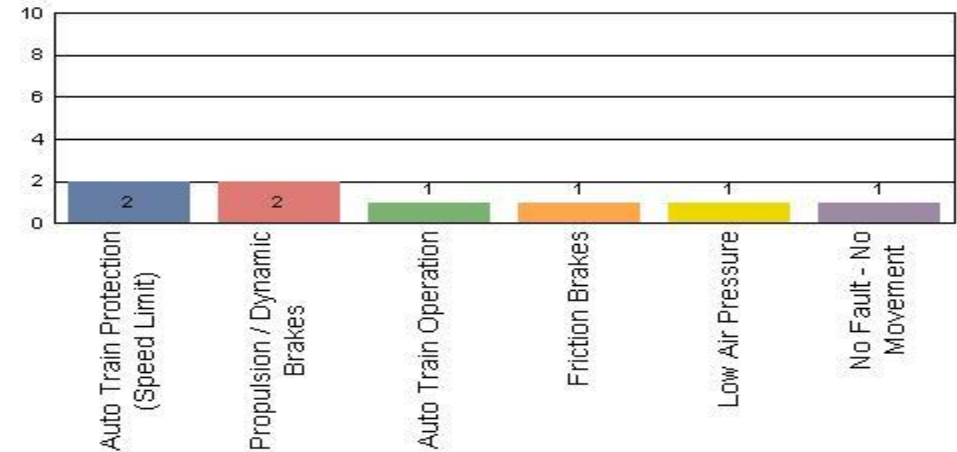
Metro Blue Line (Div 11)

Top Incident Categories



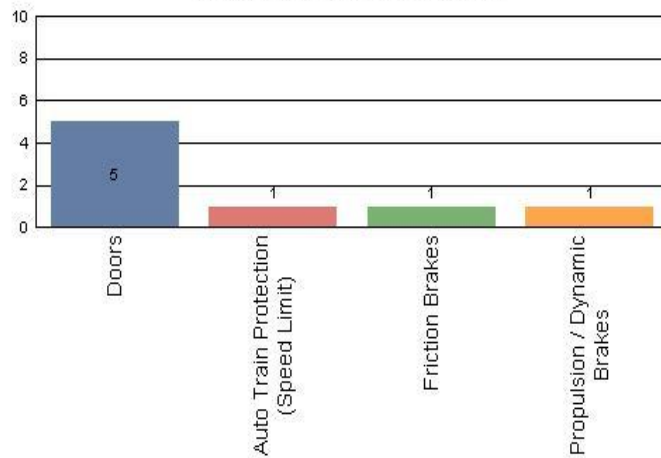
Metro Red/Purple Line (Div 20)

Top Incident Categories



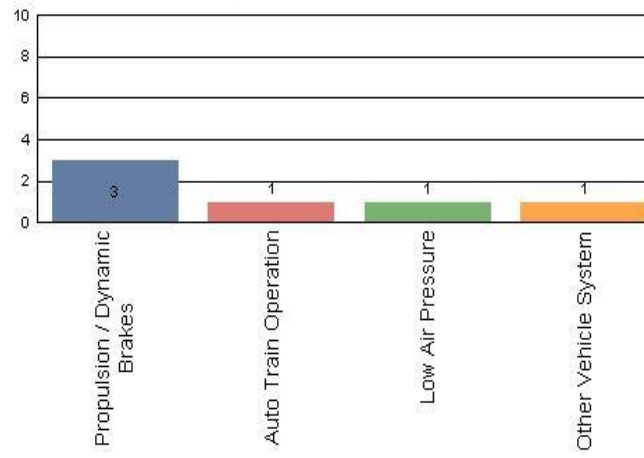
Metro Expo Line (Div 14)

Top Incident Categories



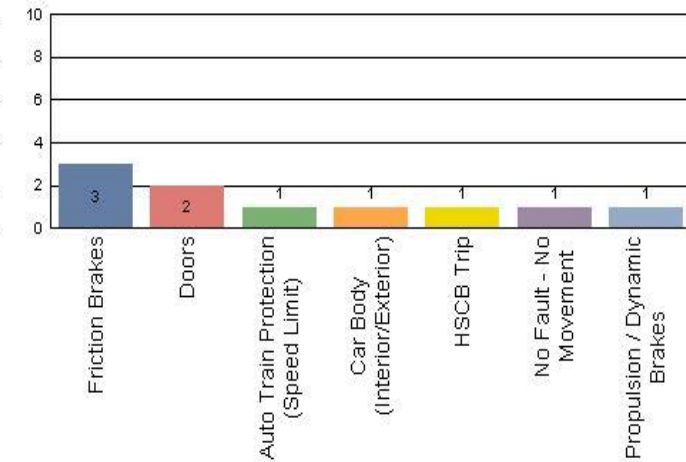
Metro Green Line (Div 22)

Top Incident Categories



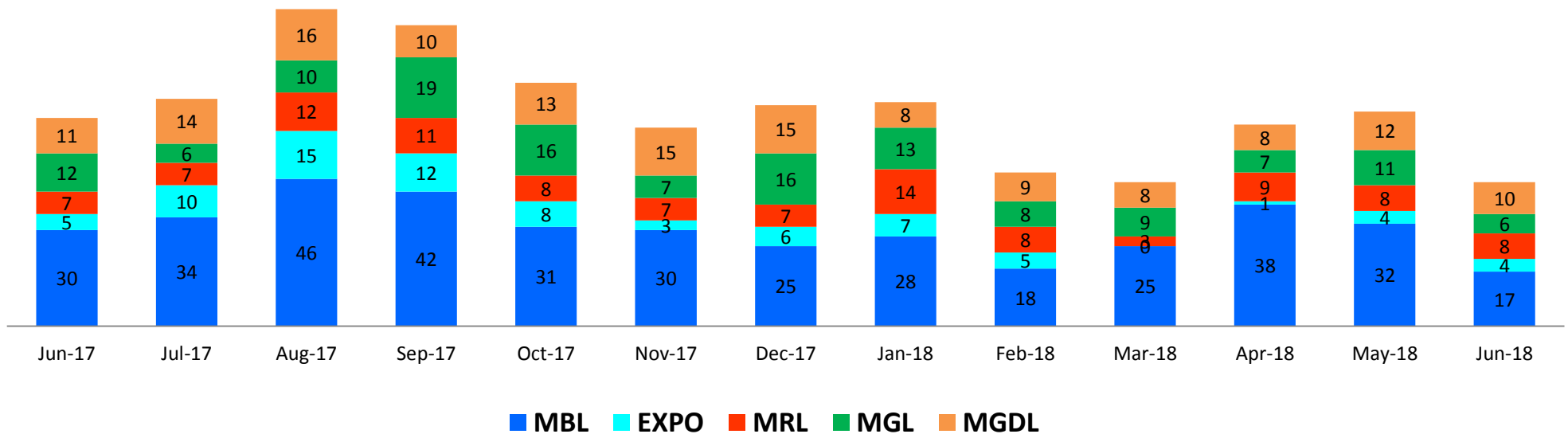
Metro Gold Line (Div 21 & Div 24)

Top Incident Categories



Major Incidents June 2017-2018

Numbers of Major System Failures (by Line)



Preventive Maintenance Compliance

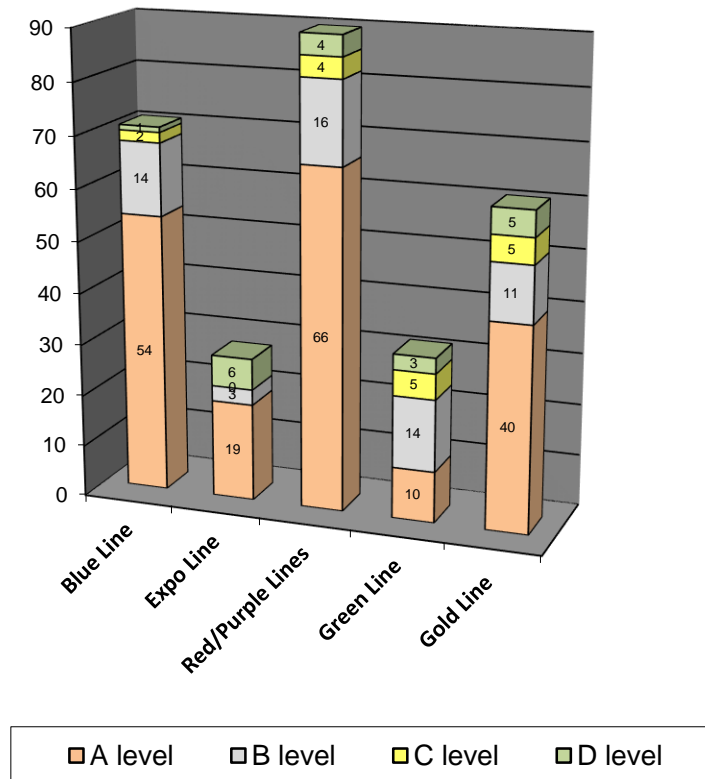
June 2017-2018

PM Compliance	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
Blue Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Expo Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Red/Purple Lines	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Green Line	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Gold Line	98%	100%	100%	100%	100%	100%	100%	99%	100%	100%	100%	100%	100%

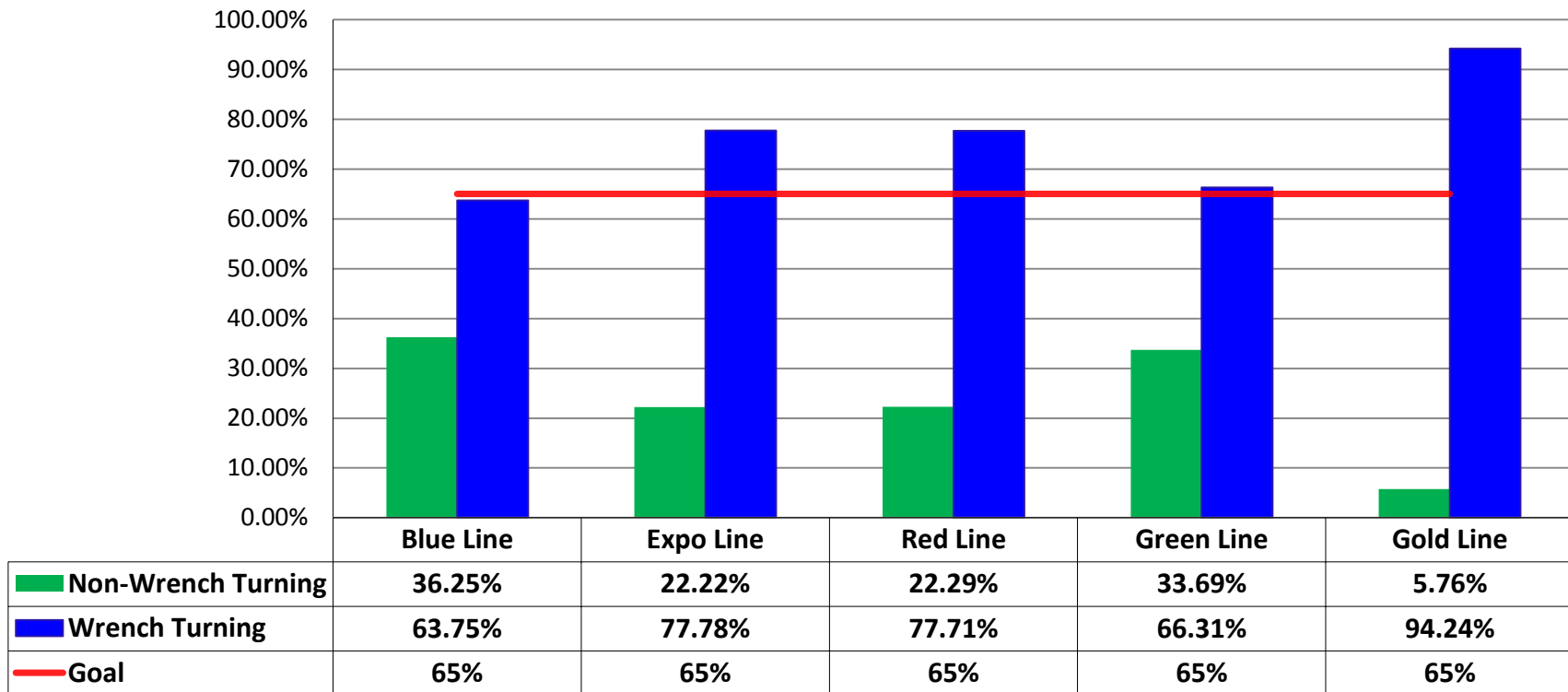
Number of Preventive Maintenance Inspections - June 2018

Line	A level	B level	C level	D level	Totals
Blue Line	54	14	2	1	71
Expo Line	19	3	0	6	28
Red/Purple Lines	66	16	4	4	90
Green Line	10	14	5	3	32
Gold Line	40	11	5	5	61
Totals:	189	58	16	19	282

Explanation of PM Inspection levels		Miles			
Line	Type	A level	B level	C level	D level
Blue/Expo Lines	P865/P2020	5,000	15,000	30,000	60,000
Blue/Expo Lines	P2000	7,500	22,500	45,000	90,000
Red/Purple Lines	A650	7,500	22,500	45,000	90,000
Green Line	P2000	7,500	22,500	45,000	90,000
Gold Line	P2550	10,000	30,000	60,000	120,000
Gold/Expo Lines	P3010	10,000	30,000	60,000	120,000



RFS Leader Wrench Turning June 2018

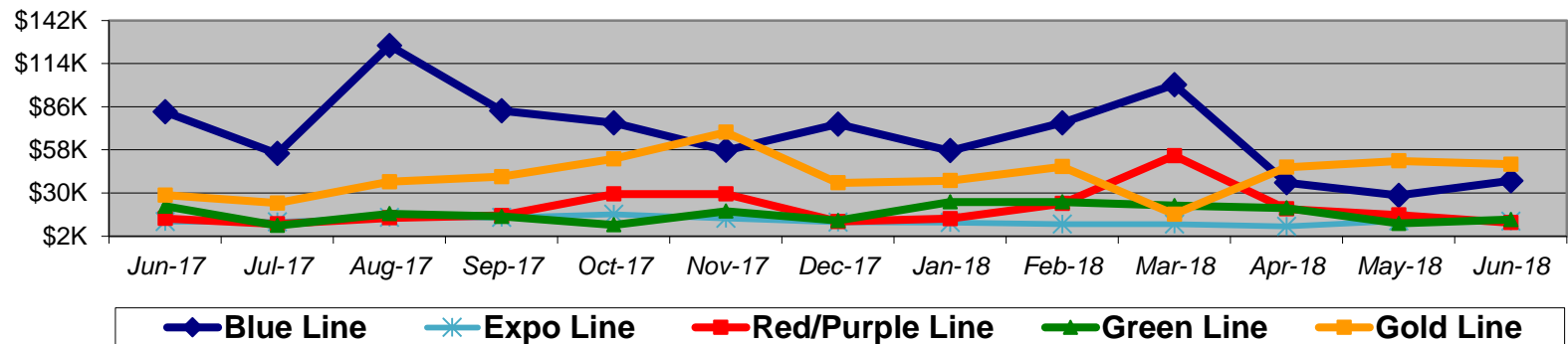


Notes: Labor hours contributed by Maint Specialist Leader, Rail Body/Paint Repair Leader, and Maint Specialist Temporary Leader

Vandalism & Graffiti Report

June 2017-2018

	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	13-Month Period
Blue Line	\$83K	\$56K	\$126K	\$83K	\$75K	\$58K	\$75K	\$57K	\$75K	\$100K	\$37K	\$28K	\$38K	\$891K
Expo Line	\$11K	\$11K	\$14K	\$14K	\$16K	\$13K	\$11K	\$11K	\$10K	\$10K	\$8K	\$12K	\$12K	\$154K
Red/Purple Line	\$13K	\$10K	\$14K	\$15K	\$29K	\$29K	\$11K	\$13K	\$23K	\$54K	\$20K	\$16K	\$11K	\$259K
Green Line	\$21K	\$9K	\$17K	\$15K	\$9K	\$18K	\$12K	\$24K	\$24K	\$22K	\$20K	\$10K	\$13K	\$214K
Gold Line	\$29K	\$23K	\$37K	\$41K	\$52K	\$69K	\$37K	\$38K	\$47K	\$16K	\$47K	\$51K	\$49K	\$535K
Totals:	\$158K	\$109K	\$208K	\$168K	\$182K	\$188K	\$146K	\$144K	\$180K	\$202K	\$132K	\$117K	\$122K	\$2,054K



June 2018 Vandalism & Graffiti - All Rail				
	Qty	Labor	Materials	Totals
Windows Replaced	61	\$ 14,247	\$ 15,788	\$ 30,035
Vandal Shields Replaced	402	\$ 13,838	\$ 11,685	\$ 25,523
Seats Cleaned	136	\$ 1,593	\$ 1,400	\$ 2,993
Seats Inserts Replaced	297	\$ 12,200	\$ 15,853	\$ 28,053
Graffiti Removal - Other	1,145	\$ 17,852	\$ 12,567	\$ 30,419
Repainting Panels	147	\$ 4,630	\$ -	\$ 4,630
Totals	2,188	\$ 64,360	\$ 57,293	\$ 121,653

Vandalism & Graffiti Pictures

June 2018

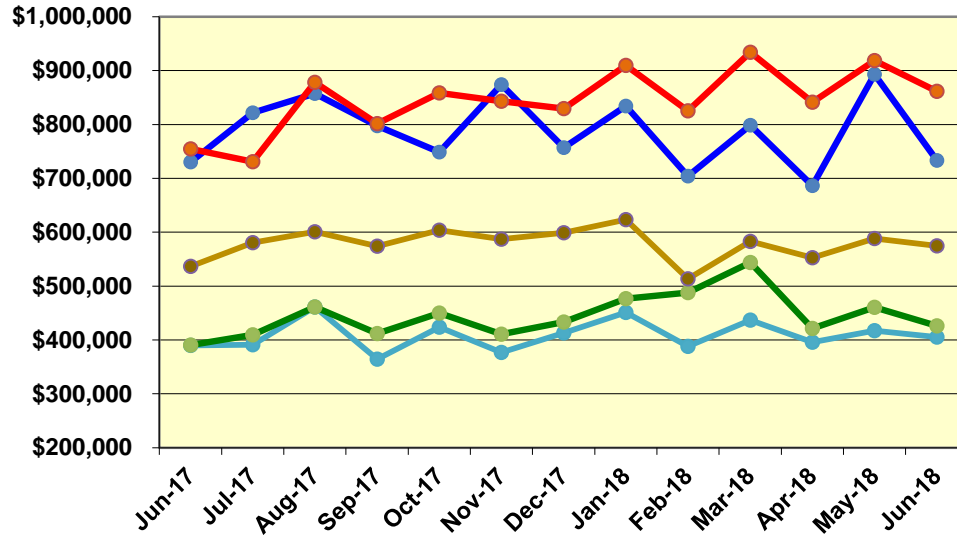
Blue Line



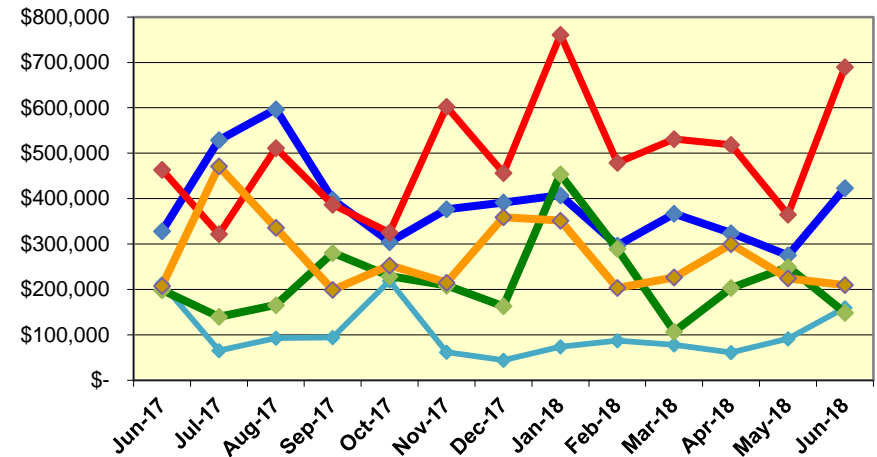
Labor and Material Costs

June 2017-2018

Labor Costs



Material Costs



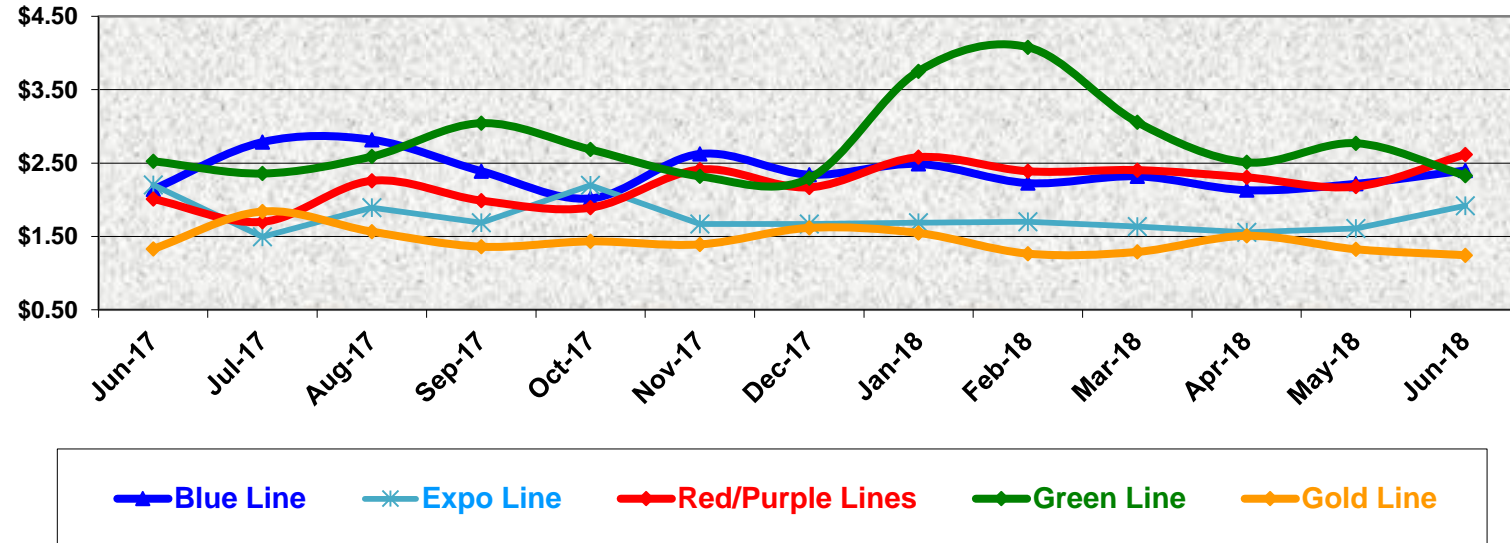
	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
Labor Costs													
Blue Line	\$ 730,183	\$ 822,077	\$ 857,616	\$ 797,683	\$ 749,009	\$ 874,166	\$ 757,379	\$ 834,543	\$ 704,295	\$ 798,589	\$ 686,125	\$ 893,054	\$ 733,287
Expo Line	\$ 389,878	\$ 391,095	\$ 461,075	\$ 364,430	\$ 423,859	\$ 377,003	\$ 413,302	\$ 451,261	\$ 388,329	\$ 436,850	\$ 396,147	\$ 417,036	\$ 405,500
Red/Purple Lines	\$ 754,862	\$ 730,783	\$ 878,453	\$ 801,722	\$ 858,679	\$ 843,202	\$ 829,663	\$ 909,988	\$ 825,697	\$ 934,421	\$ 841,172	\$ 918,422	\$ 861,777
Green Line	\$ 390,662	\$ 409,313	\$ 461,320	\$ 411,714	\$ 449,839	\$ 410,869	\$ 433,318	\$ 476,459	\$ 487,669	\$ 543,685	\$ 421,588	\$ 460,856	\$ 426,214
Gold Line	\$ 536,404	\$ 580,341	\$ 600,583	\$ 574,080	\$ 603,761	\$ 586,885	\$ 598,943	\$ 623,485	\$ 513,210	\$ 582,935	\$ 552,474	\$ 588,640	\$ 574,949
Totals	\$ 2,801,989	\$ 2,933,607	\$ 3,259,046	\$ 2,949,629	\$ 3,085,146	\$ 3,092,125	\$ 3,032,606	\$ 3,295,737	\$ 2,919,200	\$ 3,296,480	\$ 2,897,507	\$ 3,278,009	\$ 3,001,728

	Material Costs												
Blue Line	\$ 328,206	\$ 529,007	\$ 596,865	\$ 397,951	\$ 304,627	\$ 376,903	\$ 391,572	\$ 407,451	\$ 297,011	\$ 367,074	\$ 324,407	\$ 275,271	\$ 423,249
Expo Line	\$ 212,682	\$ 65,432	\$ 93,233	\$ 94,730	\$ 218,980	\$ 61,966	\$ 44,504	\$ 73,843	\$ 87,318	\$ 78,411	\$ 61,078	\$ 91,574	\$ 160,187
Red/Purple Lines	\$ 463,957	\$ 321,863	\$ 511,576	\$ 386,990	\$ 325,604	\$ 602,668	\$ 456,278	\$ 760,795	\$ 479,382	\$ 531,234	\$ 518,550	\$ 365,147	\$ 689,833
Green Line	\$ 199,040	\$ 140,168	\$ 165,820	\$ 280,752	\$ 229,311	\$ 208,844	\$ 163,235	\$ 453,737	\$ 289,320	\$ 107,325	\$ 203,363	\$ 249,741	\$ 148,836
Gold Line	\$ 207,555	\$ 471,378	\$ 336,025	\$ 199,318	\$ 253,138	\$ 215,172	\$ 359,058	\$ 351,690	\$ 203,571	\$ 226,568	\$ 300,043	\$ 224,600	\$ 209,772
Totals	\$ 1,411,440	\$ 1,527,848	\$ 1,703,519	\$ 1,359,742	\$ 1,331,660	\$ 1,465,553	\$ 1,414,648	\$ 2,047,515	\$ 1,356,602	\$ 1,310,612	\$ 1,407,440	\$ 1,206,333	\$ 1,631,877

Cost Per Mile June 2017-2018

Cost per mile:	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Average
Blue Line	\$2.14	\$2.79	\$2.82	\$2.39	\$2.02	\$2.62	\$2.34	\$2.49	\$2.23	\$2.32	\$2.13	\$2.22	\$2.40	\$2.38
Expo Line	\$2.20	\$1.49	\$1.89	\$1.69	\$2.20	\$1.67	\$1.67	\$1.69	\$1.70	\$1.63	\$1.55	\$1.61	\$1.92	\$1.76
Red/Purple Lines	\$2.01	\$1.70	\$2.26	\$1.99	\$1.89	\$2.41	\$2.17	\$2.58	\$2.39	\$2.40	\$2.31	\$2.18	\$2.62	\$2.22
Green Line	\$2.52	\$2.36	\$2.59	\$3.04	\$2.68	\$2.32	\$2.29	\$3.75	\$4.08	\$3.06	\$2.51	\$2.77	\$2.33	\$2.79
Gold Line	\$1.33	\$1.84	\$1.56	\$1.36	\$1.43	\$1.39	\$1.62	\$1.55	\$1.26	\$1.29	\$1.51	\$1.32	\$1.24	\$1.44

Cost per Mile



ATU Absences vs. Overtime

June 2018

ABSENCE TYPE and HOURS	3941 Blue	3947 Expo	3942 Red	3943 Green	3944 Gold	3948 Monrovia	Total
BER-BEREAVEMENT	40	-	88	-	-	-	128
CTO-COMPENSATORY TIME OFF	36	25	48	32	-	24	165
CUT-EMPLOYEE LEAVES EARLY	-	4	1	-	1	-	6
DSL-DISABILITY LEAVE/LONG	1,504	336	-	256	176	264	2,536
EFH-EMG. FLOAT HOL.	96	80	96	80	48	88	488
ETO-EXCUSED TIME OFF	55	96	46	9	7	28	241
FMI-FAM IND INJURY	160	-	-	176	-	-	336
FML-FAMILY CARE LEAVE	208	-	424	24	272	352	1,280
FMS-FAMILY LEAVE SICK	65	-	104	-	-	80	249
HLF-HOLIDAY FLOATING	1,112	352	528	360	128	452	2,932
II-INDUSTRIAL INJURY	-	-	8	-	-	-	8
JUR-JURY DUTY	-	-	16	-	-	8	24
LC1-LABOR CODE 233	194	16	172	88	56	128	654
LTI-OCCPIL/LONGTRM INJ LEAVE	496	176	168	8	-	-	848
MLN-MILITARY ABSENCE-UNPAID	48	-	-	-	-	-	48
RTO-REQUESTED TIME OFF-NO PAY	56	9	8	-	-	-	73
SCK-SICK PAY	160	88	194	120	160	192	914
SCW-SICK WITHOUT PAY	-	8	16	88	16	-	128
SPN-SCHOOL PARTNER NOT PAID	-	-	-	-	1	-	1
TAR-TARDY	2	3	1	2	0	0	9
UNP-UNION BUS PAID	-	8	-	-	-	-	8
VAC-VACATION	1,493	706	1,926	676	228	1,196	6,225
VAS-VACATION WHILE SICK	-	-	-	-	48	-	48
*TRAINING	103	82	1	352	3	45	586
Total Absence Hours	5,827	1,988	3,845	2,271	1,145	2,858	17,934
**ATU Number of Work Force (active)	101	40	106	46	17	60	370
Full Work Force hours/month	17,503	6,932	18,370	7,972	2,946	10,400	64,121
Absence as a % of Work Force	33%	29%	21%	28%	39%	27%	28%

OVERTIME TYPE and HOURS	3941 Blue	3947 Expo	3942 Red	3943 Green	3944 Gold	3948 Monrovia	Total
CBG-CALL BACK - EMERGENCY	-	1	-	-	-	-	1
CTB-COMPENSATORY TIME TO BANK	549	358	1,309	586	64	377	3,242
OTP-PREM OVERTIME	3,382	1,973	3,762	1,810	102	1,065	12,094
TRO OVERTIME	-	-	-	16	-	-	16
WLO-Worked Lunch Overtime	123	134	288	85	31	106	768
Total Overtime Hours	4,053	2,465	5,360	2,496	197	1,548	16,120
Overtime as a % of Work Force	23%	36%	29%	31%	7%	15%	25%

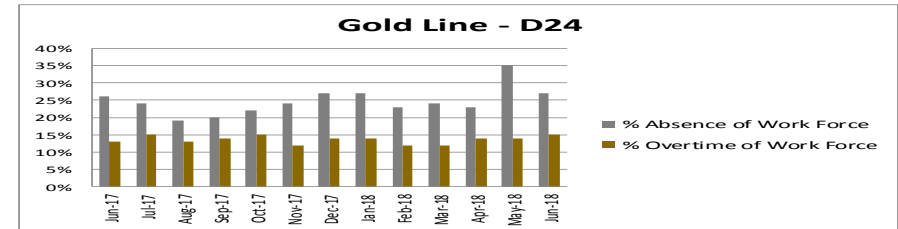
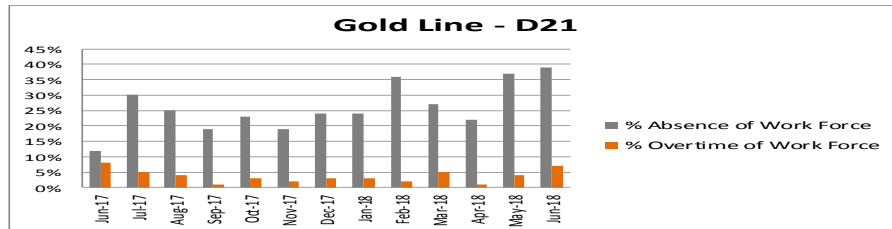
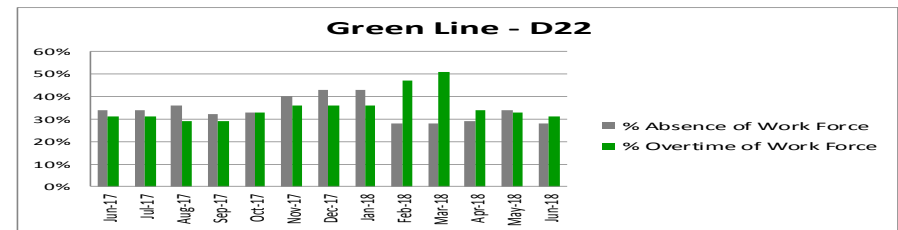
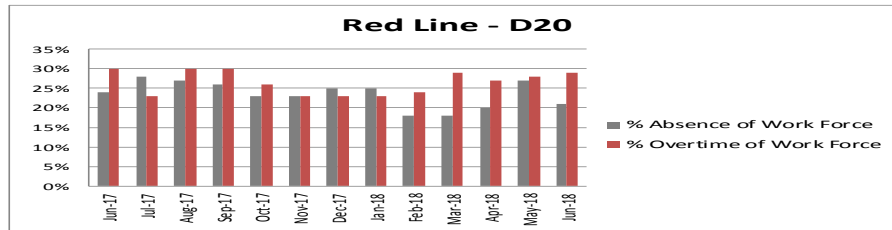
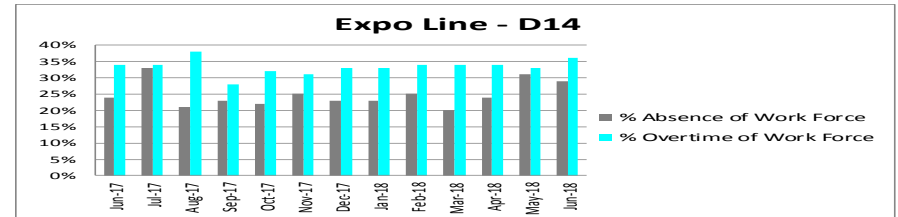
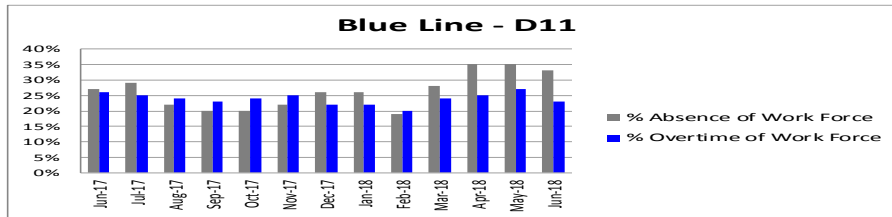
*Training hours captured by Instruction Department are added to Absences Report.

**ATU Employee Numbers from ATU Manpower Status Report (last week of the month)

Note: Overtime also covers other required activities, including Training, Component Overhaul, and Special Events.

ATU - %Absence & %Overtime of Work Force

June 2017-2018



% Absence of Work Force	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	13-Month Average
Blue Line D11	27%	29%	22%	20%	20%	22%	26%	26%	19%	28%	35%	35%	33%	26%
Expo Line D14	24%	33%	21%	23%	22%	25%	23%	23%	25%	20%	24%	31%	29%	25%
Red Line D20	24%	28%	27%	26%	23%	23%	25%	25%	18%	18%	20%	27%	21%	23%
Green Line D22	34%	34%	36%	32%	33%	40%	43%	43%	28%	28%	29%	34%	28%	34%
Gold Line D21	12%	30%	25%	19%	23%	19%	24%	24%	36%	27%	22%	37%	39%	26%
Gold Line D24	26%	24%	19%	20%	22%	24%	27%	27%	23%	24%	23%	35%	27%	25%

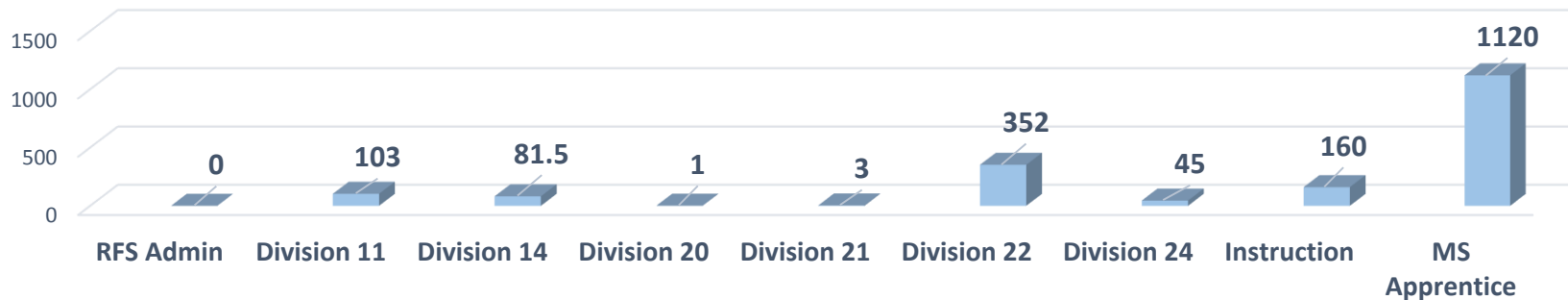
% Overtime of Work Force	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	13-Month Average
Blue Line D11	26%	25%	24%	23%	24%	25%	22%	22%	20%	24%	25%	27%	23%	24%
Expo Line D14	34%	34%	38%	28%	32%	31%	33%	33%	34%	34%	34%	33%	36%	33%
Red Line D20	30%	23%	30%	30%	26%	23%	23%	23%	24%	29%	27%	28%	29%	27%
Green Line D22	31%	31%	29%	29%	33%	36%	36%	36%	47%	51%	34%	33%	31%	35%
Gold Line D21	2%	5%	4%	1%	3%	2%	3%	3%	2%	5%	1%	4%	7%	3%
Gold Line D24	13%	15%	13%	14%	15%	12%	14%	14%	12%	12%	14%	14%	15%	14%

Training - RFS Instruction Department

June 2018

RFS Training Hours

Team	No. Employees	Vehicle Training	RFS Other	Metro Provided	Total Training Hours
RFS Admin	-	-	-	-	-
Division 11	15	100	-	3	103
Division 14	2	80	-	1.5	81.5
Division 20	1	-	-	1	1
Division 21	1	-	-	3	3
Division 22	6	352	-	-	352
Division 24	12	-	-	45	45
Instruction	2	160	-	-	160
MS Apprentice	6	1040	-	80	1120
Grand Total	45	1,732	-	134	1,866



Description

Vehicle Training = Training related to Fleet Maintenance

RFS Other = Training Created by RFS Instruction but not related to Vehicle Training

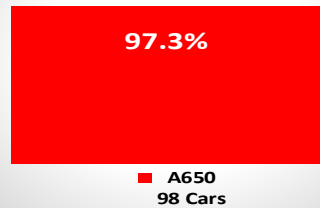
Metro Provided = Training provided outside RFS Training (OD&T, Transportation)

Total Training Hours = Total amount of man-hours spent by RFS in any kind of training

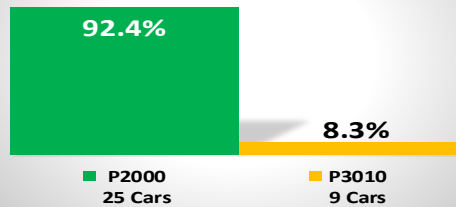
Maintenance Specialists Vehicle Training Levels

June 2018

Red Line
66 Specialists



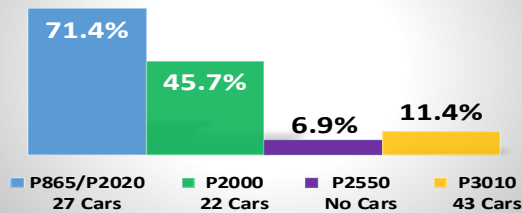
Green Line
31 Specialists



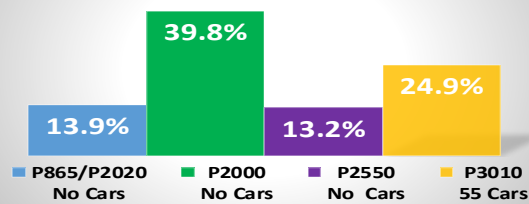
Red Line	66	Specialists
Average Experience	12.9	Years
A650	97.3%	Training Complete

Green Line	31	Specialists
Average Experience	11.4	Years
P2000	92.4%	Training Complete
P3010	8.3%	Training Complete

Blue Line
68 Specialists



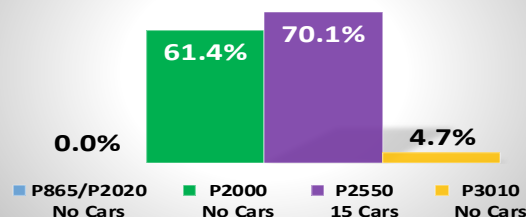
Expo Line
27 Specialists



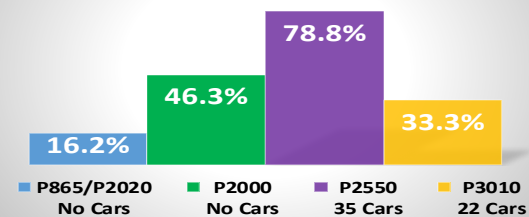
Blue Line	68	Specialists
Average Experience	14	Years
P865/P2020	71.4%	Training Complete
P2000	45.7%	Training Complete
P2550	6.9%	Training Complete
P3010	11.4%	Training Complete

Expo Line	27	Specialists
Average Experience	4.4	Years
P865/P2020	13.9%	Training Complete
P2000	39.8%	Training Complete
P2550	13.2%	Training Complete
P3010	24.9%	Training Complete

Gold Line
12 Specialists



Gold Line - Monrovia
40 Specialists



Gold Line	12	Specialists
Average Experience	6.6	Years
P865/P2020	0.0%	Training Complete
P2000	61.4%	Training Complete
P2550	70.1%	Training Complete
P3010	4.7%	Training Complete

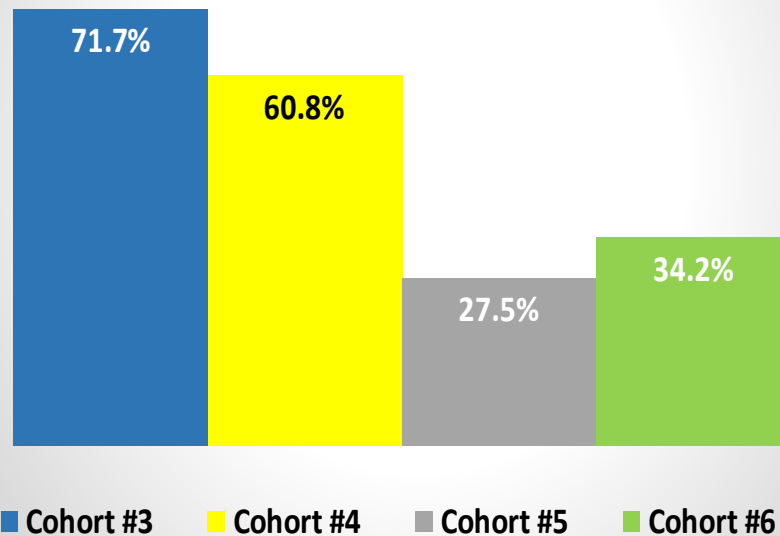
Gold Line - Monrovia	40	Specialists
Average Experience	8.7	Years
P865/P2020	16.2%	Training Complete
P2000	46.3%	Training Complete
P2550	78.8%	Training Complete
P3010	33.3%	Training Complete

* OVERALL TRAINING REPRESENTS THAT THE SPECIALIST HAS COMPLETED ALL RELEVANT VEHICLE TRAINING.

* SHIFT IN NUMBERS REPRESENT THE MOVEMENT OF EMPLOYEES WITH LESS EXPERIENCE AND TRAINING, SUCH AS APPRENTICES MOVING TO THE MAINTENANCE SPECIALIST LEVEL

Maintenance Specialists Apprenticeship Progress June 2018

In-House Training 20 Specialist Apprentices



JAC Program | MS Apprenticeship

Cohort #3	3	Apprentices
Time in Program	0.8	Years
Scheduled Training	71.7%	Training Complete
Est. Graduation Date:	8/27/2018	

Cohort #4	3	Apprentices
Time in Program	0.6	Years
Scheduled Training	60.8%	Training Complete
Est. Graduation Date:	11/19/2018	

Cohort #5	5	Apprentices
Time in Program	0.6	Years
Scheduled Training	27.5%	
Est. Graduation Date:	5/21/2019	

Cohort #6	9	Apprentices
Time in Program	0.2	Years
Scheduled Training	34.2%	Training Complete
Est. Graduation Date:	4/9/2019	