# MAR 2012

# METRO OPERATIONS MONTHLY PERFORMANCE REPORT

Metro



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#### Metro Bus Systemwide and Division Scorecard Overview

Metro Bus has eleven Metro operating divisions: Division 1 and 2, both operating out of the downtown Los Angeles area; Division 3 Cypress Park; Arthur Winston Division 5 in South Los Angeles; Division 6 in Venice; Division 7 in West Hollywood; Division 8 in Chatsworth; Division 9 in El Monte; Division 10 in Los Angeles, near the Gateway building; Division 15 in Sun Valley; and Division 18 in Carson. Metro Bus systemwide is responsible for the operation of approximately 2,490 Metro buses and 144 Metro Bus lines carrying nearly 373.1 million boarding passengers each year. Metro bus also operates the successful Orange Line. This report gives a brief overview of Systemwide and Division operations:

\* Mean Miles Between Mechanical Failures Requiring Bus Exchange (MMBMF).

- \* Mean Miles Between Total Road Calls (MMBTRC).
- \* In-Service On-Time Performance.
- \* Traffic Accidents per 100,000 Hub Miles.
- \* Complaints per 100,000 Boardings.
- \* New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours.

Magaurament	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY12 YTD	Mar Month	Status
Measurement	FTUO	FTU/	FTUð	F109	FTIU	FTII	Target	TID	Month	Status
Bus Systemwide										
Mean Miles Between Mechanical Failures		3,532	3,137	3,137	3,222	3,523		3.744	3,775	
Requiring Bus Exchange. (MMBMF)	3,274	1,116*	824	386	305	125	3,650	46	4	
No. of unaddressed road calls		.,	02.	000	000	.20				
Mean Miles Between Total Road Calls (MMBTRC	)	1,245	1,137	1,290	1,566	2,052	1,556	2,233	2,285	ightarrow
In-Service On-time Performance ***	64.35%**	63.77%	64.05%	66.25%	72.33%	75.71%	85.00%	76.55%	76.60%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles	-	-	3.47	3.06	3.08	3.23	0.40	3.79	3.99	^
Number of "482 alleged accidents"	0	53	240	216	245	18	3.10	184	16	$\diamond$
Complaints per 100,000 Boardings	2.41	2.46	2.57	2.76	2.61	2.53	2.20	3.17	3.43	$\diamond$
New Workers' Compensation Indemnity Claims										
per 200,000 Exposure Hours (1 month lag)	12.27	11.11	11.54	9.30	10.36	13.43	12.50	Feb YTD 15.19	Feb 20.84	$\diamond$
** No FY12 MMBRTC target, FY10 target used. Division 1										
MMBMF		3,757	2,960	2,640	2,831	2,609		3,111	3,256	-
No. of unaddressed road calls	2,409	138*	2,900	2,040	2,031	2,009	3,650	3,111	3,230	
MMBTRC		932	908	1,166	1,354	1,540	1,556	1,796	1,758	
In-Service On-time Performance	71.06%	68.02%	67.55%	71.05%	76.61%	78.85%	85.00%	,	80.46%	<u> </u>
	71.00%	00.02%					65.00%	80.18%		•
Bus Traffic Accidents Per 100,000 Miles Number of "482 alleged accidents"	- 0	- 6	3.41 36	3.02 22	3.07 49	3.42 6	3.31	3.99	4.18	
	-				-	-	4.00	11	2	~
Complaints per 100,000 Boardings	1.92	1.89	1.90	1.85	1.89	1.85	1.60	1.99	2.07	$\sim$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ( <i>1 month lag</i> )	10.92	8.48	7.59	9.92	12.52	14.10	12.50	Feb YTD 12.63	Feb 24.26	$\diamond$
Division 2										
MMBMF	2.660	2,598	2,707	2,608	2,714	3,378	3.650	3,328	3,465	$\wedge$
No. of unaddressed road calls	2,000	32*	11	44	29	8	3,050	5	1	$\checkmark$
MMBTRC		1,097	1,039	1,255	1,475	1,721	1,556	1,795	1,994	
In-Service On-time Performance	72.71%	67.99%	68.60%	72.72%	77.24%	73.89%	85.00%	74.15%	73.91%	$\diamond$
Bus Traffic Accidents Per 100.000 Miles	-	-	3.67	3.43	3.16	3.56		4.44	4.81	Ň
Number of "482 alleged accidents"	0	1	15	25	23	4	3.45	20	1	$\sim$
Complaints per 100,000 Boardings	1.42	1.64	1.93	2.03	1.87	2.02	1.77	2.35	2.52	$\wedge$
New Workers' Compensation Indemnity Claims										
per 200,000 Exposure Hours (1 month lag)	12.97	13.36	14.82	11.14	12.93	16.86	12.50	Feb YTD 12.99	Feb 18.09	$\diamond$
Division 3										
MMBMF	2.690	2,838	2,573	2,552	2,770	2,909	3,650	2,851	3,175	$\wedge$
No. of unaddressed road calls	∠,690	58*	45	23	24	7	3,050	2	0	$\checkmark$
MMBTRC		1,239	1,132	1,303	1,555	1,967	1,556	2,069	2,323	
In-Service On-time Performance	70.05%	65.35%	66.83%	69.78%	76.81%	77.71%	85.00%	77.98%	77.47%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles	- 10.0070		4.24	3.60	3.39	3.28		3.22	3.60	•
Number of "482 alleged accidents"	0	3	4.24	3.00 0	0.59	0.20	3.05	18	3.00	$\langle \rangle$
Complaints per 100,000 Boardings	1.83	2.12	2.14	2.69	2.65	2.51	2.17	3.13	3.71	
New Workers' Compensation Indemnity Claims	1.03	2.12	2.14	2.09	2.00	2.01	2.17	5.15	5.71	
per 200,000 Exposure Hours (1 month lag)	11.36	10.06	12.81	9.50	8.84	11.61	12.50	Feb YTD 13.99	Feb 2.71	$\diamondsuit$

Measurement	FY06	FY07	FY08	FY09	FY10	FY11	FY12 Target	FY12 YTD	Mar Month	Statu
Division 5										
MMBMF		3,580	3,227	3,314	3,493	3,643		3,139	3,200	^
No. of unaddressed road calls	3,656	57*	26	16	4	2	3,650	2	0,200	
MMBTRC		1,459	1,130	1,420	1,712	2,053	1,556	1,718	1,815	-
In-Service On-time Performance	61.85%	63.83%	63.35%	64.43%	67.82%	74.63%	85.00%	78.30%	78.08%	$\overline{\diamond}$
Bus Traffic Accidents Per 100,000 Miles	-		5.11	4.32	4.44	4.42	00.0070	5.86	8.32	$\sim$
Number of "482 alleged accidents"	0	13	35	52	30	4.42 0	4.37	23	2	
Complaints per 100,000 Boardings	1.87	1.71	1.46	1.88	1.90	1.84	1.57	2.05	2.01	$\diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ( <i>1 month lag</i> )	14.68	14.89	15.96	12.75	14.78	12.43	12.50	Feb YTD 14.64	Feb 26.53	0
Division 6										
MMBMF		4,456	3,756	7,186	7,816	11,021		12,114	25,767	
No. of unaddressed road calls	6,279	30*	32	11	8	1	3,650	, 0	0	$\bigcirc$
MMBTRC		1,063	899	1,307	2,172	3,008	1,556	3,625	3,964	$\bigcirc$
In-Service On-time Performance	57.20%	53.28%	53.12%	56.98%	68.27%	69.28%	85.00%	79.03%	82.01%	$\overline{\diamond}$
Bus Traffic Accidents Per 100,000 Miles	-		3.86	4.13	5.01	5.06		8.47	3.88	~
Number of "482 alleged accidents"	0	1	3.00	13	3.01	0.00	4.87	1	0.00	
Complaints per 100,000 Boardings	2.52	2.10	2.70	3.55	2.86	3.17	2.80	2.36	3.66	
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	16.43	15.02	11.77	7.86	5.95	8.26	12.50	Feb YTD 7.29	Feb 0.00	0
Division 7										
MMBMF		0.400	0.007	2 200	0.007	2.400		2.040	2 505	
No. of unaddressed road calls	2,947	3,468 64*	3,327 84	3,399 99	2,997 101	3,106 18	3,650	3,612 6	3,595 0	$\bigcirc$
MMBTRC		1,118	981	1,039	1,217	1,644	1,556	1,827	1,753	0
In-Service On-time Performance	04 700/	,		,	,	,		,	,	$\overline{}$
	61.78%	58.01%	57.66%	62.15%	68.38%	74.47%	85.00%	73.15%	74.17%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles Number of "482 alleged accidents"	- 0	- 5	4.10 36	3.83 28	3.55 52	3.85 2	3.74	4.35 35	4.12 4	$\diamond$
Complaints per 100,000 Boardings	2.87	2.98	3.00	2.88	2.56	2.40	2.07	3.46	3.60	$\diamond$
New Workers' Compensation Indemnity Claims	2.07	2.30	5.00	2.00	2.50	2.40	2.07	5.40	5.00	$\sim$
per 200,000 Exposure Hours (1 month lag)	15.76	12.09	13.42	7.80	9.64	13.04	12.50	Feb YTD 13.22	Feb 28.05	$\diamond$
Division 8										
MMBCMF		3,912	2,944		4,596	6,600		6,912	6,692	
No. of unaddressed road calls	3,836	258*	100	3,473	0	0	3,650	6	0	( )
MMBTRC		1,537	1,333	1,707	2,445	4,348	1,556	5,034	5,080	$\circ$
In-Service On-time Performance	68.23%	67.48%	68.50%	69.29%	75.99%	79.00%	85.00%	78.55%	78.68%	$\overline{\diamond}$
Bus Traffic Accidents Per 100,000 Miles		-	1.99	1.87	2.29	2.87		2.72	2.16	~
Number of "482 alleged accidents"	0	1	1.55	12	17	2.07	2.81	8	2.10	
Complaints per 100,000 Boardings	3.37	2.75	2.64	3.01	2.97	2.84	2.43	3.44	3.32	
New Workers' Compensation Indemnity Claims	0.07	2.10	2.01	0.01	2.01	2.01	2.10	0.11	0.02	<b>`</b>
per 200,000 Exposure Hours (1 month lag)	13.81	16.14	15.03	12.45	11.20	17.35	12.50	Feb YTD 22.22	Feb 37.08	
Division 9										
MMBMF	A E0E	4,087	4,119	4,267	4,673	5,126	3 650	5,296	5,184	
No. of unaddressed road calls	4,585	30*	88	62	66	11	3,650	11	0	
MMBTRC		2,099	1,989	2,425	2,918	3,489	1,556	3,766	3,910	$\circ$
In-Service On-time Performance	67.01%	66.22%	66.84%	70.01%	75.89%	76.33%	85.00%	76.98%	76.29%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles	-	-	2.46	2.07	2.01	1.81		2.01	1.71	~
Number of "482 alleged accidents"	0	4	20	14	3	0	1.76	9	0	$\diamond$
Complaints per 100,000 Boardings	2.61	2.24	2.98	3.18	3.21	3.50	3.06	4.56	5.76	$\diamond$
New Workers' Compensation IndemnityClaims per 200,000 Exposure Hours (1 month lag)	14.34	17.30	8.35	14.07	10.03	15.30	12.50	Feb YTD 15.96	Feb 20.95	$\diamond$

Measurement	FY06	FY07	FY08	FY09	FY10	FY11	FY12 Target	FY12 YTD	Mar Month	Status
Division 10										
MMBMF No. of unaddressed road calls	3,723	3,702 61*	3,028 0	2,947 1	2,594 11	2,392 58	3,650	2,623 11	2,341 2	$\diamondsuit$
MMBTRC		1,197	1,044	1,015	1,129	1,446	1,556	1,684	1,606	$\bigcirc$
In-Service On-time Performance	60.73%	58.61%	56.63%	61.90%	68.98%	71.93%	85.00%	73.59%	74.35%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles Number of "482 accidents"	- 0	- 8	4.47 31	3.87 32	4.02 33	3.93 4	3.73	4.40 24	4.18 0	$\diamond$
Complaints per 100,000 Boardings	2.23	2.48	2.99	2.59	2.08	2.12	1.79	2.80	3.10	$\diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	3.80	14.02	14.74	7.49	10.76	10.58	12.50	Feb YTD 13.26	Feb 19.00	$\diamondsuit$
Division 15										
MMBCMF No. of unaddressed road calls	2,996	3,420 174*	2,933 53	3,003 1	3,357 6	4,097 0	3,650	4,432 0	4,329 0	ightarrow
MMBTRC		1,175	1,151	1,291	1,747	2,507	1,556	2,810	3,007	0
In-Service On-time Performance	63.84%**	64.41%	66.85%	69.06%	74.62%	76.84%	85.00%	76.83%	76.87%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles Number of "482 alleged accidents"	- 0	- 2	2.98 14	2.45 26	2.67 15	2.84 0	2.75	3.28 13	3.79 2	$\diamond$
Complaints per 100,000 Boardings	3.14	3.16	3.05	3.08	2.98	3.01	2.56	3.85	4.11	$\diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ( <i>1 month lag</i> )	10.41	12.44	10.58	11.89	14.11	11.73	12.50	Feb YTD 16.52	Feb 20.36	$\diamond$
*Jan-June '07 ** Div 15 excluded (Nov. '05 data excludedNo										
Division 18										
MMBCMF No. of unaddressed road calls	3,712	4,008 214*	3,563 74	3,421 55	2,917 20	3,506 17	3,650	4,182 6	4,499 1	ightarrow
MMBTRC		1,174	1,109	1,090	1,292	1,839	1,556	2,139	2,162	$\circ$
In-Service On-time Performance	57.31%	61.19%	60.88%	60.66%	66.12%	70.63%	85.00%	75.35%	75.13%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles Number of "482 alleged accidents"	- 0	- 5	3.08 14	2.72 27	2.67 19	3.32 2	2.84	4.28 22	4.22 2	
Complaints per 100,000 Boardings	3.07	3.29	3.72	4.46	4.19	3.42	2.98	4.25	4.36	$\diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours ( <i>1 month lag</i> )	13.63	8.50	14.70	8.95	11.06	13.65	12.50	Feb YTD 17.45	Feb 16.11	<b></b>

NOTE: As of Aug. '07, Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision. Green - High probability of achieving the target (on track).

Hellow - Uncertain if the target will be achieved -- slight problems, delays or management issues.

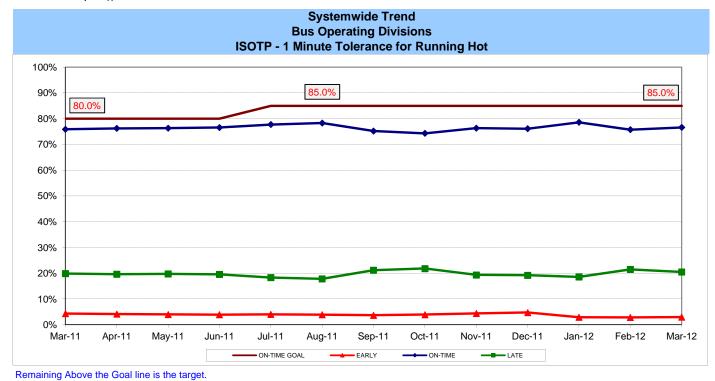
Red - High probability that the target will not be achieved -- significant problems and/or delays.

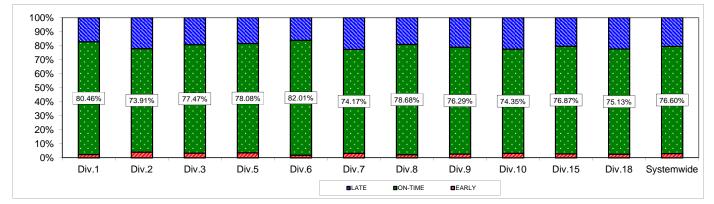
#### **BUS SERVICE PERFORMANCE**

**IN-SERVICE ON-TIME PERFORMANCE** 

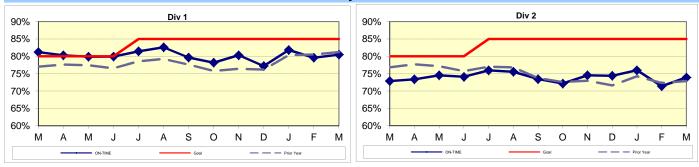
**Definition:** This performance indicator measures the percentage of scheduled buses that depart selected time points no more than 1 minute early and no more than five minutes later than scheduled. (Includes Rapid buses) Please note that Rapid Line performance is included in the ISOTP calculation beginning January 2010.

**Calculation:** ISOTP% =1-((Number of buses departing early + Number of buses departing more than five minutes late)/(Total buses sampled))



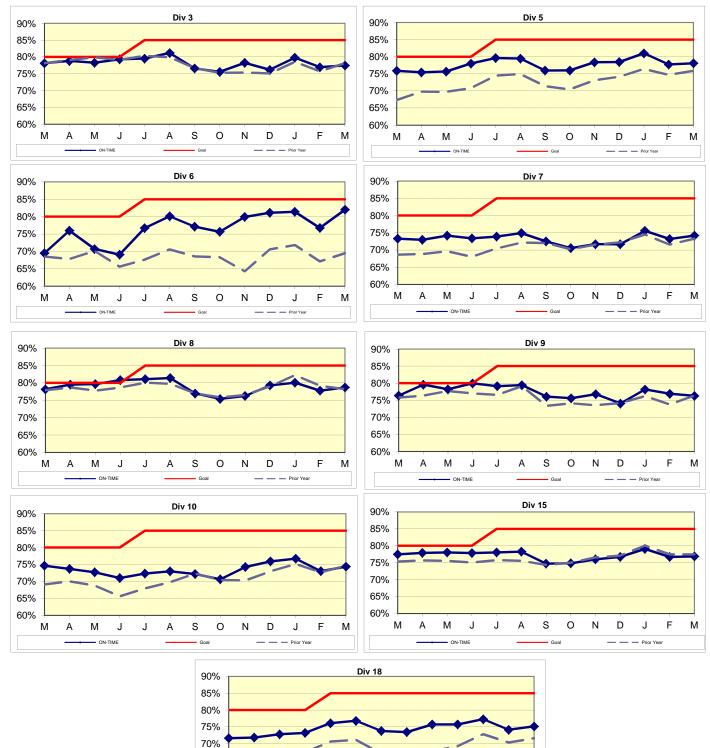








**Bus Service Performance - Continued** 



S

- Goal

O N D J

F

- - Prior Year

Μ

65% 60%

MAMJJA

ON-TIME

#### **ISOTP By Divisions**

#### Year-to-Date Compared To Last Year

	FY11	FY12-YTD	Variance
<b>Division 1</b>			
Early	4.87%	3.38%	-1.49%
On-Time	78.85%	80.18%	1.33%
Late	16.28%	16.44%	0.16%

<b>Division 2</b>			
Early	6.35%	4.63%	-1.72%
On-Time	73.89%	74.15%	0.26%
Late	19.76%	21.22%	1.46%

<b>Division 3</b>			
Early	4.78%	3.68%	-1.11%
On-Time	77.71%	77.98%	0.26%
Late	17.50%	18.35%	0.85%

<b>Division 5</b>			
Early	5.27%	3.57%	-1.70%
On-Time	74.63%	78.30%	3.67%
Late	20.11%	18.13%	-1.98%

<b>Division 6</b>			
Early	7.93%	4.17%	-3.76%
On-Time	69.28%	79.03%	9.74%
Late	22.78%	16.81%	-5.98%

<b>Division 7</b>			
Early	4.78%	4.54%	-0.24%
On-Time	72.47%	73.15%	0.68%
Late	22.75%	22.31%	-0.44%

	FY11	FY12-YTD	Variance
Division 8			
Early	4.36%	2.87%	-1.48%
On-Time	79.00%	78.55%	-0.44%
Late	16.65%	18.57%	1.92%

Division 9			
Early	5.86%	3.17%	-2.69%
On-Time	76.33%	76.98%	0.65%
Late	17.81%	19.85%	2.04%

<b>Division 10</b>			
Early	5.25%	3.95%	-1.29%
On-Time	71.93%	73.59%	1.66%
Late	22.83%	22.46%	-0.37%

<b>Division 15</b>			
Early	5.37%	3.98%	-1.39%
On-Time	76.84%	76.83%	-0.02%
Late	17.79%	19.19%	1.40%

<b>Division 18</b>			
Early	5.09%	3.32%	-1.77%
On-Time	70.63%	75.35%	4.71%
Late	24.28%	21.34%	-2.94%

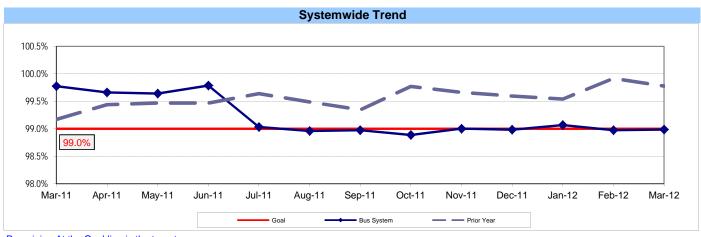
SYSTEM	IWIDE		
Early	5.22%	3.68%	-1.54%
On-Time	75.17%	76.55%	1.38%
Late	Late 19.61%		0.16%

Please note that Rapid Line performance is included in the ISOTP calculation beginning January 2010.

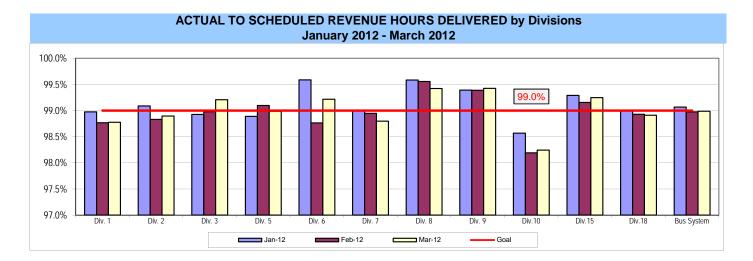
**ACTUAL TO SCHEDULED REVENUE HOURS DELIVERED\*** 

**Definition:** This performance indicator measures the percentage of scheduled Revenue Hours delivered after being offset by cancellations, outlates and in-service equipment failures. FY06: This performance indicator measures the percentage of scheduled Revenue Hours delivered after adding in temporary RH service added, Hollywood Bowl and Race Track RH, in addition RH due to overtime offset by cancellations and in-service delays.

**Calculation:** SRHD% = 1- ((In-Service Delay Revenue Hours plus Cancelled Revenue Hours) divided by (Total Scheduled Service Hours + Temporary Revenue Hours + Hollywood Bowl and Race Track Revenue Hours + In Addition Revenue Hours)) FY06: Actual Revenue Hours Delivered divided by Scheduled Revenue Hours.



Remaining At the Goal line is the target.

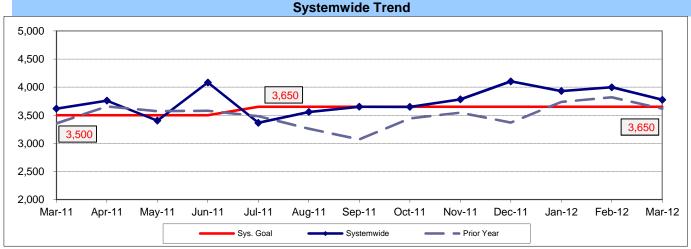


#### **BUS MAINTENANCE PERFORMANCE**

#### **MEAN MILES BETWEEN MECHANICAL FAILURES (MMBMF)**

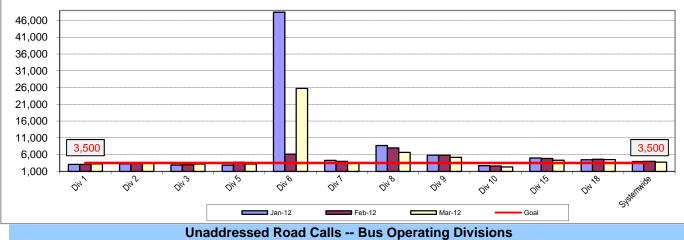
**Definition:** Average Hub Miles traveled between mechanical problems that result in a bus exchange.

Calculation: MMBMF = (Total Hub Miles / by Mechanical Related Roadcalls Requiring a Bus Exchange)



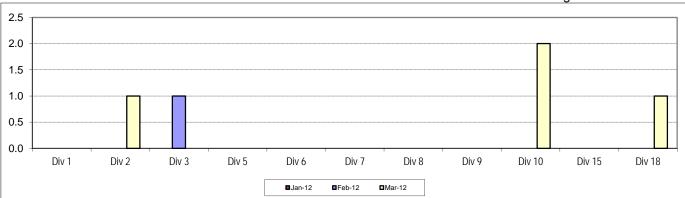
Remaining Above the Goal line is the target.

MMBMF -- Bus Operating Divisions January 2012 - March 2012

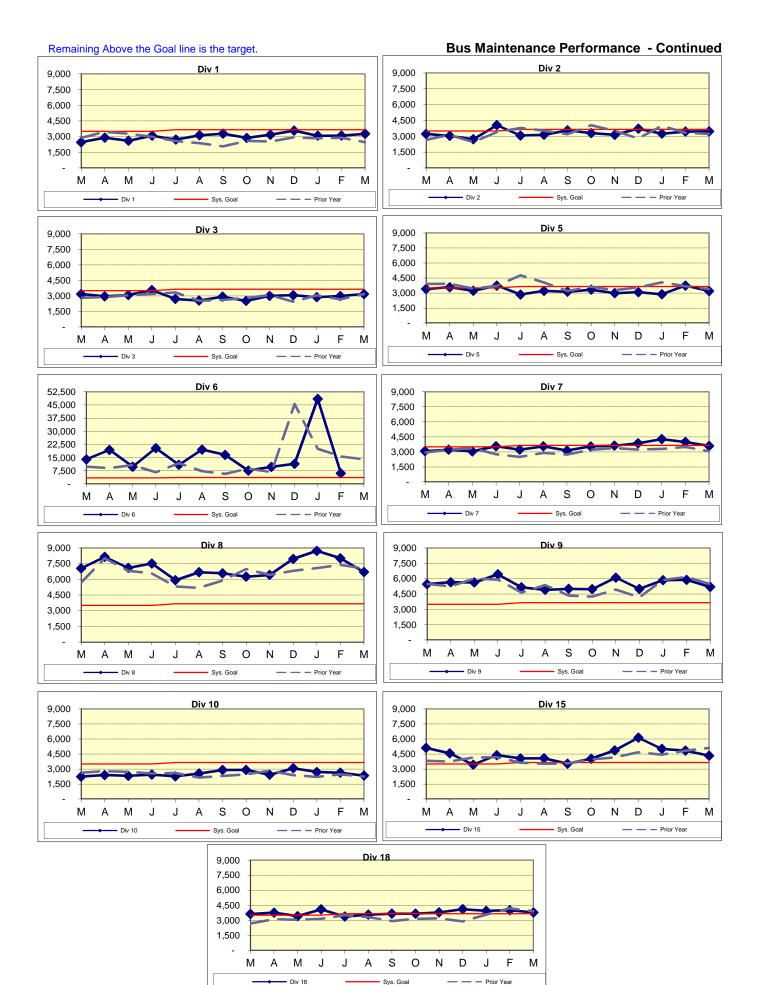


January 2012 - March 2012

**Definition:** Road calls cannot be counted, per FTA definition, if no one has jobbed on to assign a job code. (Source: M3)

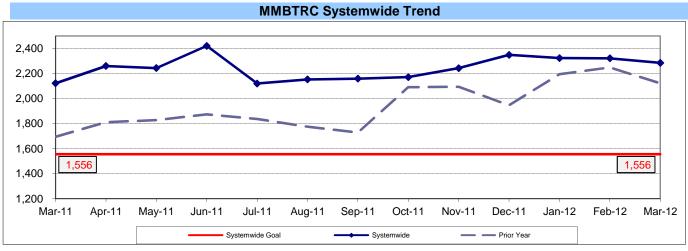


**Calculation:** Unaddressed Road Calls = Total number of road calls that have not been assigned.

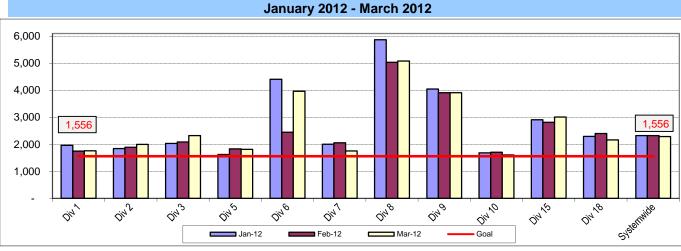


#### MEAN MILES BETWEEN TOTAL ROAD CALLS (MMBTRC)

**Definition:** Average Hub Miles traveled between road call problems. **Calculation:** MMBTRC = (Total Hub Miles / by Total Road Calls)



Remaining Above the Goal line is the target.



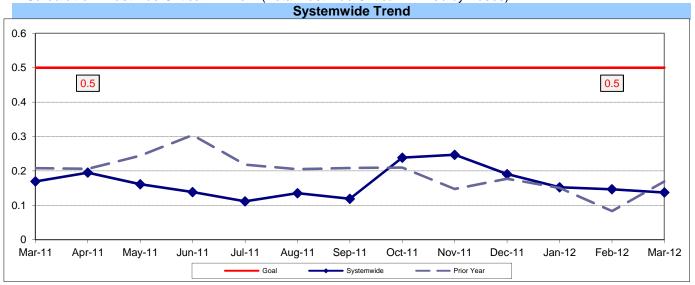
**MMBTRC -- Bus Operating Divisions** 

#### Fleet Mix by Fuel Type Systemwide (Including Contract Services)

	Number of Buses	Percent of Buses
CNG	2,198	91.58%
Diesel	71	2.96%
Gasoline	59	2.46%
Propane	72	3.00%
Hybrid	0	0.00%
Total	2,400	100.00%

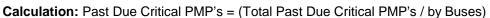
#### Average Age of Fleet by Divisions

<b>Div 1</b>	<b>Div 2</b>	<b>Div 3</b>	<b>Div 5</b>	<b>Div 6</b>	<b>Div 7</b>
9.3	10.5	11.2	9.0	3.2	9.8
<b>Div 8</b>	<b>Div 9</b>	<b>Div 10</b>	<b>Div 15</b>	<b>Div 18</b>	
4.3	9.4	8.6	5.6	6.1	



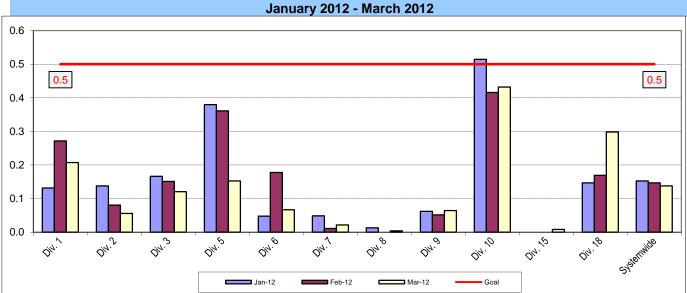
PAST DUE CRITICAL PREVENTIVE MAINTENANCE PROGRAM JOBS (PMP's)

**Definition:** Average past due critical scheduled preventive maintenance jobs per bus. This indicator measures maintenance management's ability to prioritize and perform critical repairs and indicates the general maintenance condition of the fleet.



Remaining Below the Goal line is the target.

Note: Since July 2004, six divisions (Divisions 1, 2, 3, 8, 9 and 15) have been involved in a pilot project to test extending maintenance critical PMP mileage periodicities. These "extended" mileages have not been officially implemented at this time; therefore, these divisions will appear not to have completed their critical PMP's in current monthly and weekly reports until the program is officially modified systemwide accordingly.



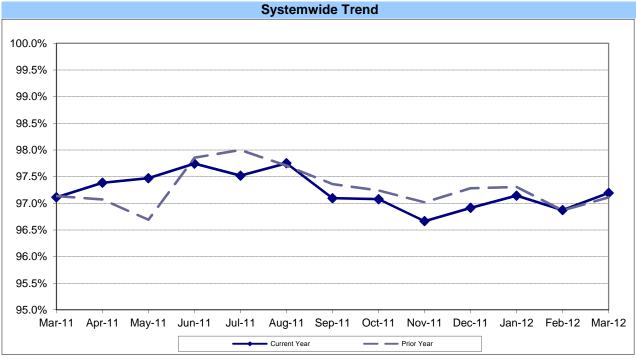
#### Past Due Critical PMPs - by Divisions January 2012 - March 2012

#### ATTENDANCE

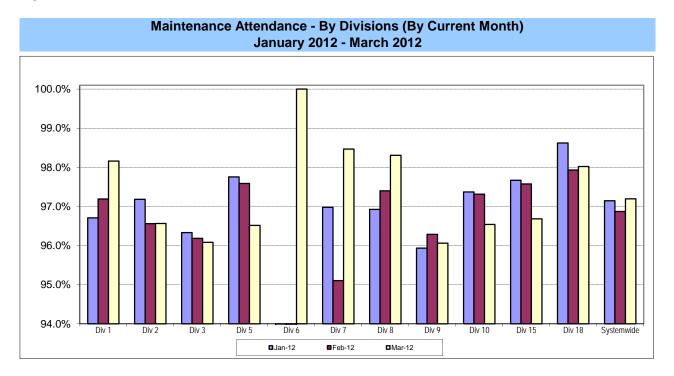
#### MAINTENANCE ATTENDANCE

**Definition:** Maintenance Mechanics and Service Attendants - % attendance Monday through Friday for the month.

Calculation: 1-(FTEs absent / by the total FTEs assigned)

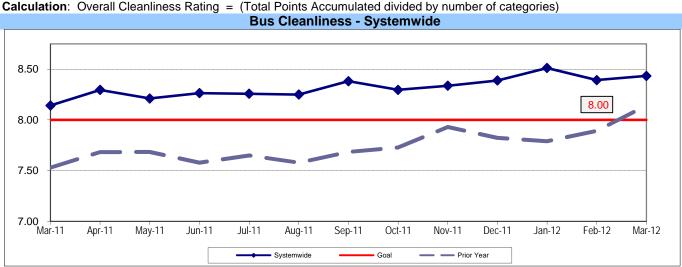


Higher is better.



#### **BUS CLEANLINESS**

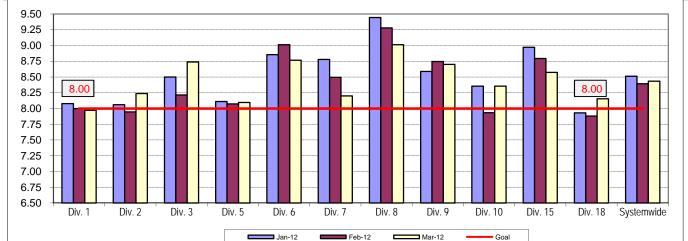
**Definition**: A team of two Quality Assurance Supervisors inspects and rates ten percent of the fleet at each division per time period. Beginning January 2004, they rate the divisions each month. Each of sixteen categories is examined and assigned a point value as follows: 1-3 = Unsatisfactory; 4-7 = Conditional; 8-10 = Satisfactory. The individual item scores are averaged, unweighted, to produce an overall cleanliness rating.



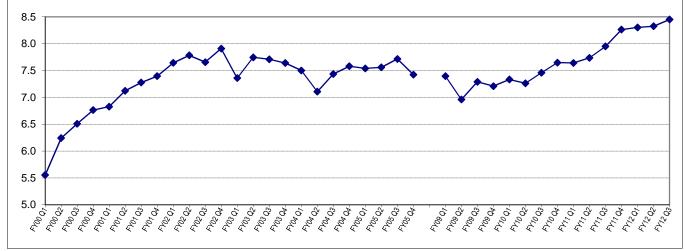
Remaining Above the Goal line is the target.

**Cleanliness by Bus Operating Divisions** 

January 2012 - March 2012



Quarterly Systemwide Bus Cleanliness FY01 Q1 - FY11 Q1



Please note that beginning March 2010, quarterly cleanliness is calculated using monthly data. Prior quarterly data was supplied by QA dept. in a quarterly format.

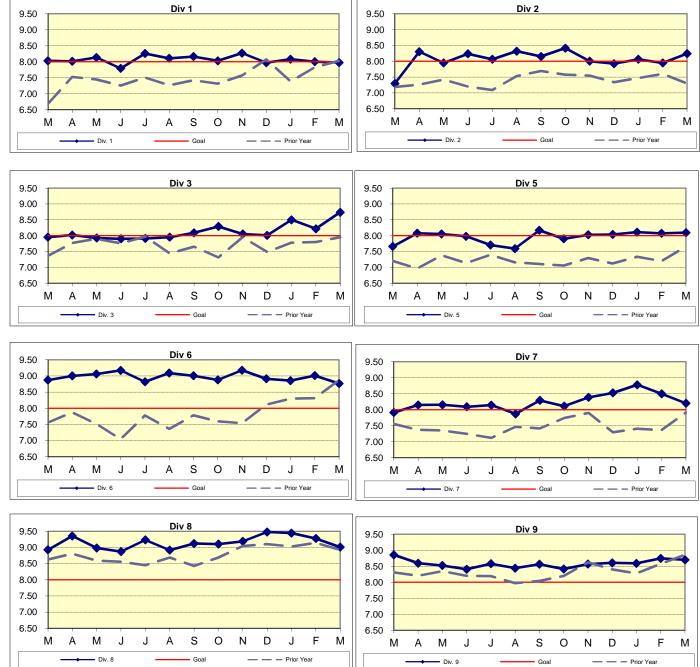
Remaining Above the Goal line is the target.



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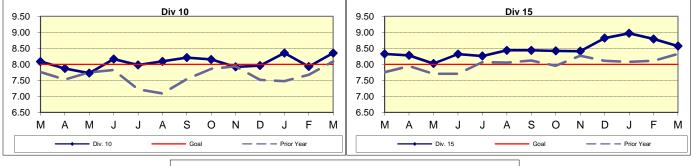
#### Remaining Above the Goal line is the target.





Remaining Above the Goal line is the target.

#### **BUS CLEANLINESS - Continued**





#### **Metro Rail Scorecard Overview**

Metro Rail operates heavy rail lines, Metro 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 Rail operates three light rail lines: 1. Metro Blue Line from downtown to Long Beach; 2. Metro Green Line along the 105 freeway; and 3. Metro Gold Line from Pasadena and East Los Angeles. Metro Rail is responsible for the operation of approximately 104 heavy rail cars and 121 light rail cars carrying nearly 5.8 million passengers boarding each year.

This report gives a brief overview of Metro Rail operations:

- \* On-Time Pullout Percentage.
- \* Mean Miles Between Chargeable Mechanical Failures (MMBMF).
- \* In-Service On-Time Performance.
- \* Traffic Accidents per 100,000 Train Miles.
- \* Complaints per 100,000 Boardings.

Measurement	FY06	FY07	FY08	FY09	FY10	FY11	FY12 Target	FY12 YTD	Mar Month	Status
Measurement	1100	1107	1100	1105			Target		Month	Otatu
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	11.56	8.08	11.24	6.03	8.54	9.73	10.17	Feb YTD 8.96	Feb 9.22	
Metro Red Line (MRL)										
On-Time Pullouts	99.61%	99.76%	99.79%	99.97%	99.55%	99.86%	99.00%	-	-	$\circ$
Mean Miles Between Chargeable Mechanical Failures	19,587	17,260	26,743	41,482	38,771	34,194	35,000	35,421	39,499	$\diamondsuit$
In-Service On-time Performance*			99.27%	99.38%	99.54%	99.69%	98.00%	99.78%	99.71%	$\circ$
Traffic Accidents Per 100,000 Train Miles	0.22	0.00	0.30	0.07	0.00	0.29	0.10	0.00	0.00	$\bigcirc$
Complaints per 100,000 Boardings	0.66	0.41	0.50	0.37	0.41	0.51	0.50	0.46	0.64	0
Metro Blue Line (MBL)										
On-Time Pullouts	99.76%	99.72%	99.62%	99.74%	99.71%	99.10%	99.00%	-	-	$\bigcirc$
Mean Miles Between Chargeable Mechanical Failures	26,774	35,125	31,278	27,051	20,830	14,194	20,000	15,017	11,995	$\diamond$
In-Service On-time Performance*			98.81%	98.24%	98.81%	99.11%	95.00%	97.96%	92.96%	$\bigcirc$
Traffic Accidents Per 100,000 Train Miles	0.96	1.35	1.65	1.26	1.45	1.76	1.69	1.62	2.50	$\circ$
Complaints per 100,000 Boardings	0.78	0.53	0.64	0.58	0.80	0.81	0.75	1.06	1.95	$\diamond$
Metro Green Line (MGrL)										
On-Time Pullouts	99.97%	99.54%	99.80%	99.95%	99.89%	99.85%	99.00%	-	-	$\circ$
Mean Miles Between Chargeable Mechanical Failures	20,635	27,471	36,727	19,195	13,599	11,831	20,000	15,404	17,724	$\diamond$
In-Service On-time Performance*			99.14%	98.90%	99.26%	99.50%	95.00%	99.57%	98.86%	
Traffic Accidents Per 100,000 Train Miles	0.00	0.00	0.00	0.07	0.00	0.07	0.07	0.09	0.00	Ŏ
Complaints per 100,000 Boardings	0.92	0.72	0.81	0.82	0.76	1.13	1.03	1.13	1.49	$\diamond$
Metro Gold Line (MGoL)										
On-Time Pullouts	99.97%	99.95%	99.95%	99.95%	99.86%	99.99%	99.00%	-	-	$\bigcirc$
Mean Miles Between Chargeable Mechanical Failures	23,329		39,521	24,250	16,151	21,097	20,000	17,352	32,942	$\diamond$
In-Service On-time Performance*			97.88%	99.38%	99.12%	99.58%	95.00%	99.63%	99.18%	0
Traffic Accidents Per 100,000 Train Miles	0.12	0.23	0.43	0.21	0.82	0.61	0.54	0.40	0.00	$\overline{\diamond}$
Complaints per 100,000 Boardings	2.71	1.88	1.57	1.50	1.68	1.22	1.11	1.22	0.81	Ò

Green - High probability of achieving the target (on track).

Yellow - Uncertain if the target will be achieved -- slight problems, delays or management issues.

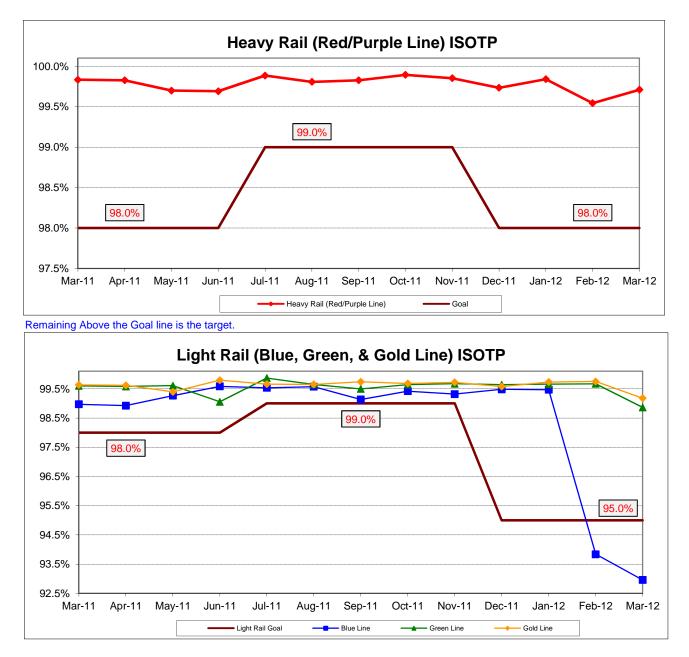
Red - High probability that the target will not be achieved -- significant problems and/or delays.

### **RAIL SERVICE PERFORMANCE**

#### **IN-SERVICE ON-TIME PERFORMANCE (ISOTP)**

**Definition:** In-Service On-Time Performance measures the percentage of trains leaving all timecheck points on any run no earlier than thirty seconds, nor later than 5 minutes of the scheduled time. The higher the number, the more reliable the service.

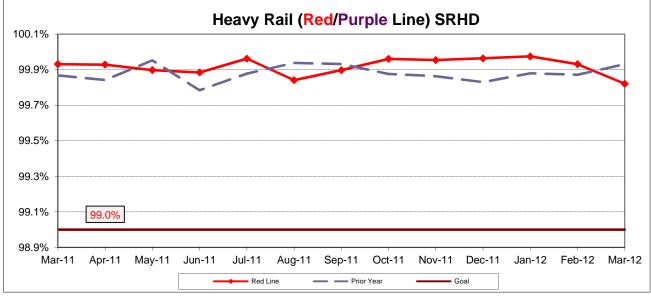
**Calculation:** ISOTP% = [(100% minus [(Total runs in which a train left any timecheck point either late or early) / by Total scheduled runs) X by 100)]



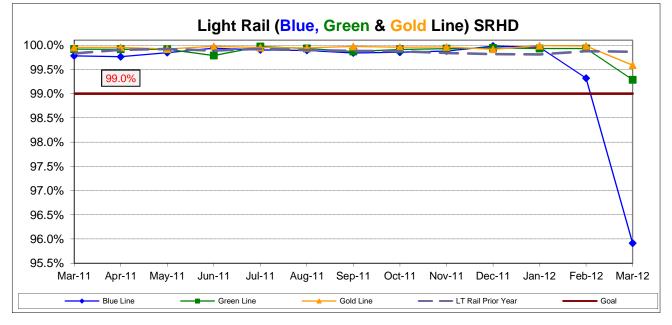
#### Scheduled Revenue Hours Delivered (SRHD) by Rail Line

**Definition:** This performance indicator measures the percentage of scheduled Revenue Service Hours delivered after subtracting cancellations, outlates and in-service delays.

**Calculation:** SRSHD% = (1-(Total Service Hours Lost / by Total Scheduled Service Hours))

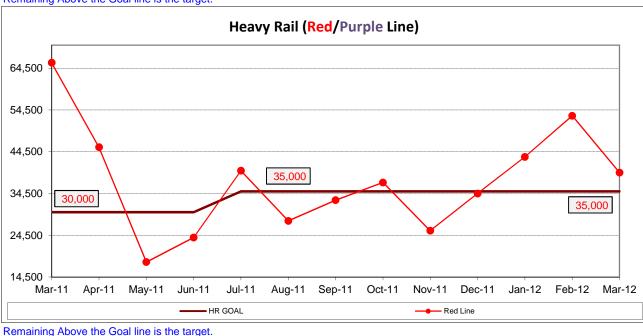




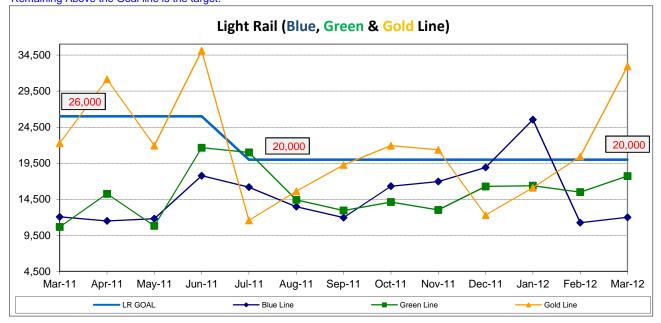


#### Mean Miles Between Chargeable Mechanical Failures

**Definition:** Mean vehicle miles between Revenue Vehicle Failures. NTD defined Revenue Vehicle Failures are vehicle systems failures that occur in revenue service and during deadhead miles in which the vehicle did not complete its scheduled revenue trip or in which the vehicle did not start its next scheduled revenue trip.



**Calculation:** MVMBRVF = Total Vehicle Miles / Revenue Vehicle Systems Failures Remaining Above the Goal line is the target.



#### **RAIL SERVICE PERFORMANCE - Continued**

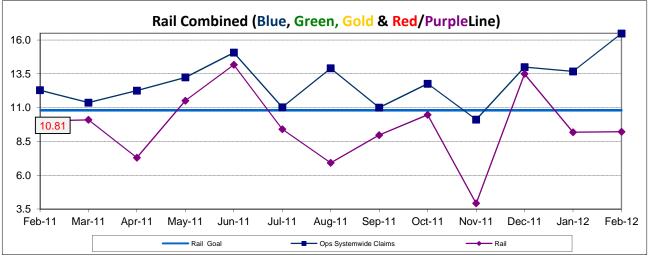
#### NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS

**Definition:** Average number of new workers compensation indemnity claims filed per 200,000 exposure hours. Indemnity – requires an overnight hospital stay or involves more than 3 calendar days of lost time. This indicator measures safety.

**Calculation:** New workers' compensation indemnity claims filed per 200,000 Exposure Hours = New Claims/(Exposure Hours/200,000)

#### One month lag in reporting.

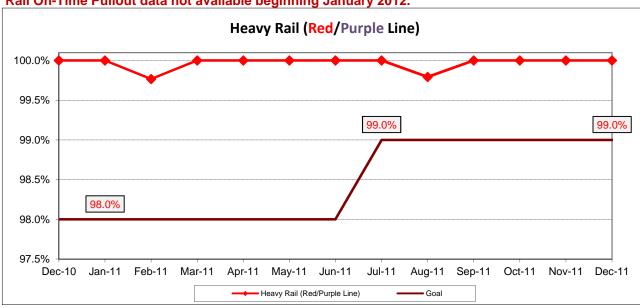
Remaining Below the Goal line is the target.



#### **ON-TIME PULLOUTS (OTP)**

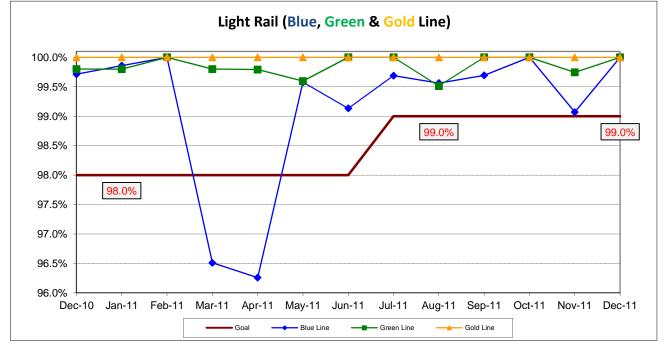
**Definition:** On-time Pullouts measures the percentage of trains leaving the yard within ninety seconds of the scheduled pullout time. The higher the number, the more reliable the service.

**Calculation:** OTP% = [(100% - [(Total cancelled pullouts plus late pullouts) / by Total scheduled pullouts) X by 100)]

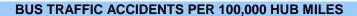


#### Rail On-Time Pullout data not available beginning January 2012.



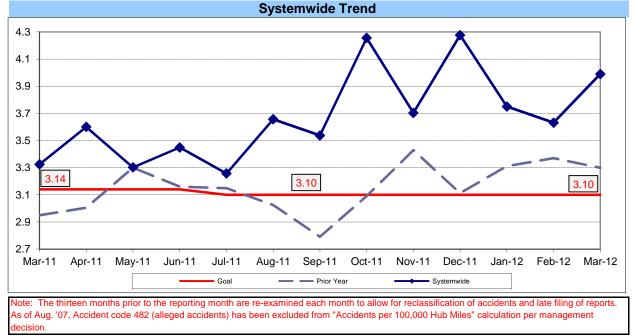


#### SAFETY PERFORMANCE

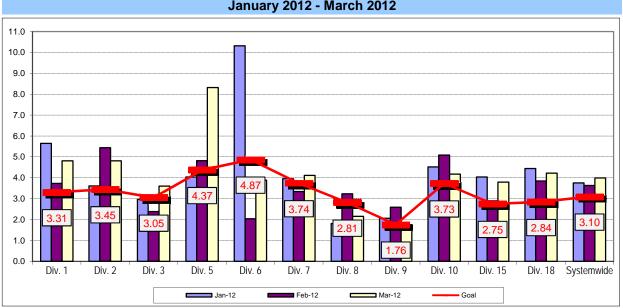


**Definition:** Average number of Traffic Accidents for every 100,000 Hub Miles traveled. This indicator measures system safety.

**Calculation:** Traffic Accidents Per 100,000 Hub Miles = (The number of Traffic Accidents / by (Hub Miles / by 100,000))



Remaining Below the Goal line is the target.



#### Bus Operating Divisions - by Divisions January 2012 - March 2012

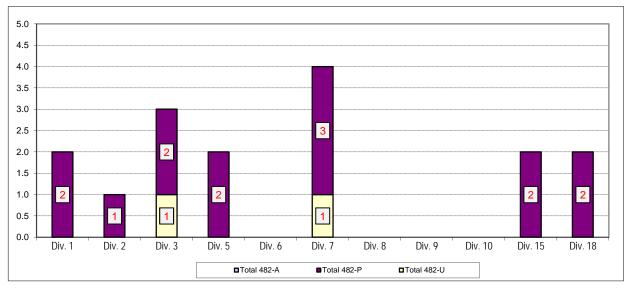
#### Safety Performance Continued

#### Number of 482 Accidents in Vehicle Accident Management System (VAMS) Download by Avoidable (A), Pending (P) or Unavoidable (U) Bus Operating Divisions

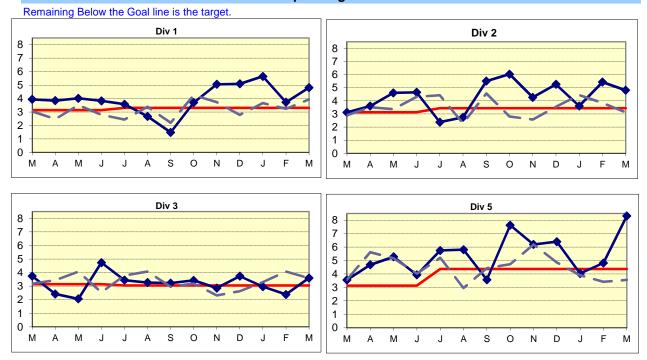
**Definition:** Number of accidents that are coded 482 "alledged" accidents in prior 13 months and the accident determination as avoidable (A), pending investigation (P) or unavoidable (U).

**Calculation:** Number of accidents in prior 13 months coded 482 "alledged" in the categories of A, P or U.

NOTE: Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

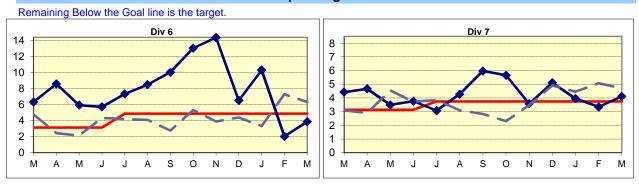


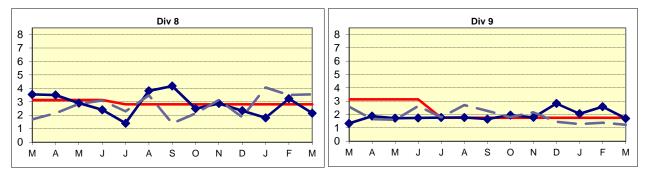
BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES Bus Operating Divisions

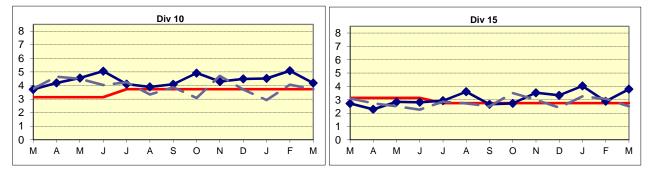


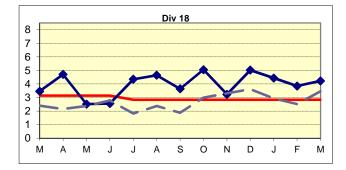
Safety Performance Continued

#### BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES Bus Operating Divisions





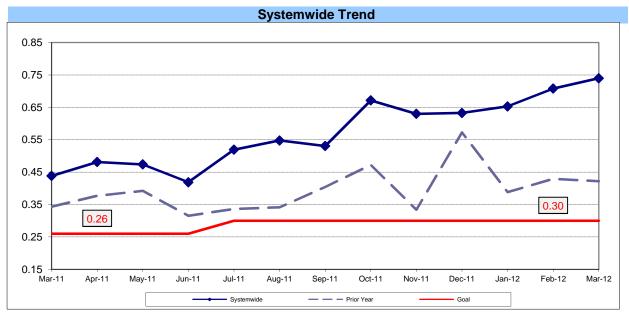




**BUS PASSENGER ACCIDENTS PER 100,000 BOARDINGS** 

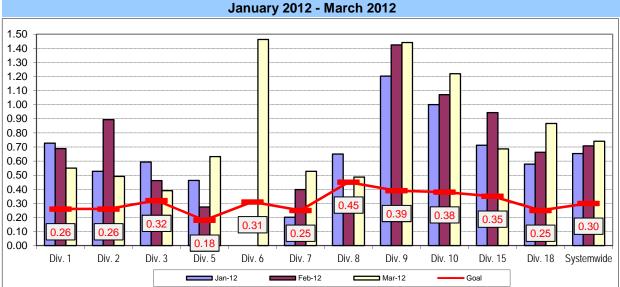
**Definition:** Average number of Passenger Accidents for every 100,000 Boardings. This indicator measures system safety.

**Calculation:** Passenger Accidents Per 100,000 Boardings = (The number of Passengers Accidents / by (Boardings / by 100,000))



Remaining Below the Goal line is the target.

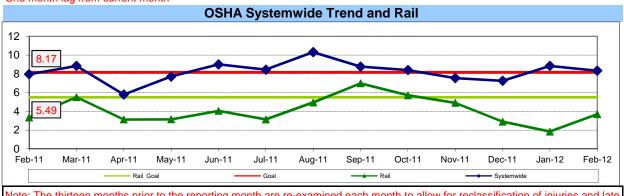
Note: The thirteen months prior to the reporting month are re-examined each month to allow for reclassification of accidents and late filing of reports.



**Bus Operating Divisions - by Divisions** 

#### Safety Performance Continued OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) RECORDABLE INJURIES PER 200,000 EXPOSURE HOURS

**Definition:** Work-related injuries and illnesses that result in: death, loss of consciousness, days away from work, restricted work activity or job transfer, or medical treatment beyond first aid. **Calculation:** Number of OSHA Injuries / Illnesses Filed / (Exposure Hours / 200,000)



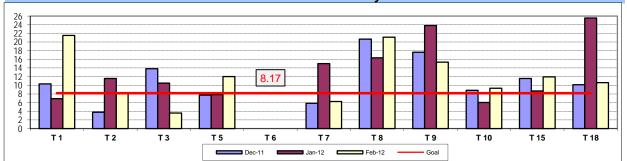
One month lag from current month

Note: The thirteen months prior to the reporting month are re-examined each month to allow for reclassification of injuries and late filing of reports.

Remaining Below the Goal line is the target.

One month lag from current month

#### OSHA: Bus Operating Transportation Divisions - by Division December 2011 - February 2012



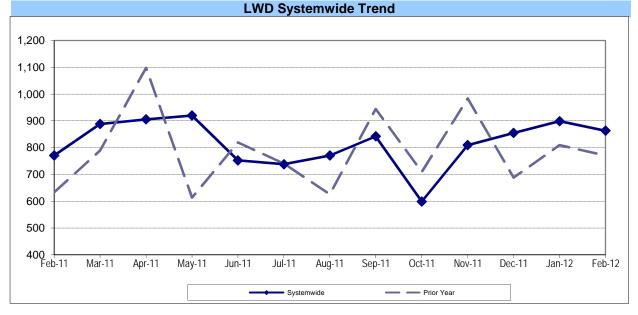
#### **OSHA:** Bus Operating Maintenance Divisions - by Division 22 20 18 16 14 12 8.17 10 8 6 4 2 0 М 5 M 1 M 2 М 3 Μ6 M 8 М 9 M 10 M 15 M 18 M 7 Dec-11 Jan-12 Feb-12 Goal E

#### LOST WORK DAYS (LWD) PAID PER 200,000 EXPOSURE HOURS

**Definition:** Number of paid working days lost due to employees workers' compensation injuries each month per 200,000 exposure hours.

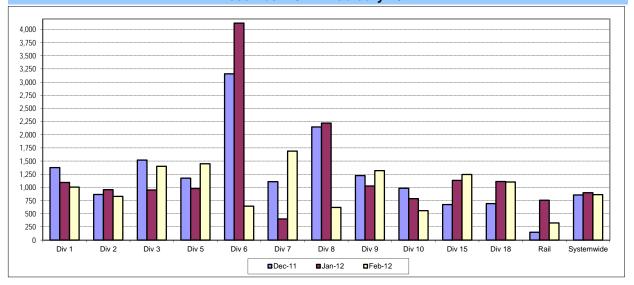
**Calculation:** (Total Temporary Disability Benefit Payments / Estimated TD Benefit Rate) x (5/7) / (Number of Exposure Hours / 200,000)





#### One month lag from current month

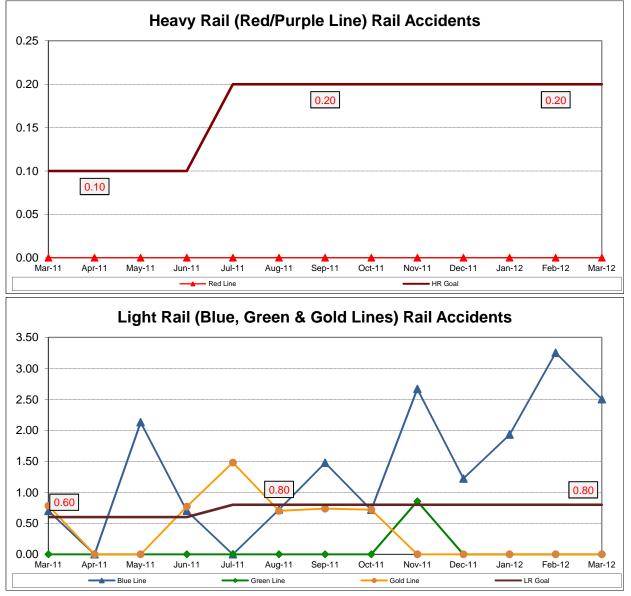
LWD/200,000 Exposure Hours per Operating Divisions - by Bus and Rail Division December 2011 - February 2012



#### RAIL ACCIDENTS PER 100,000 REVENUE TRAIN MILES (PUC Reportable)

**Definition:** Average number of Rail Accidents for every 100,000 Revenue Train Miles traveled. This indicator measures system safety.

**Calculation:** Rail Accidents Per 100,000 Revenue Train Miles = (The number of Rail Accidents / by (Revenue Train Miles / by 100,000))

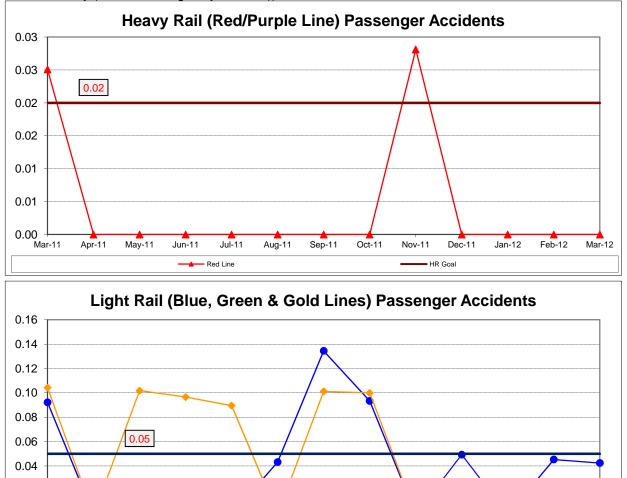


Remaining Below the Goal line is the target.

#### RAIL PASSENGER ACCIDENTS PER 100,000 BOARDINGS\*

**Definition:** Average number of Rail Passenger Accidents for every 100,000 Boardings. This indicator measures system safety.

**Calculation:** Rail Passenger Accidents Per 100,000 Boardings = (The number of Rail Passenger Accidents / by (Train Boardings / by 100,000))



Apr-11

May-11

Blue Line

Jun-11

Jul-11

-----

Aug-11

- Green Line

Sep-11

Oct-11

Nov-11

Gold Line

Dec-11

Jan-12

Feb-12

LR Goal

Mar-12

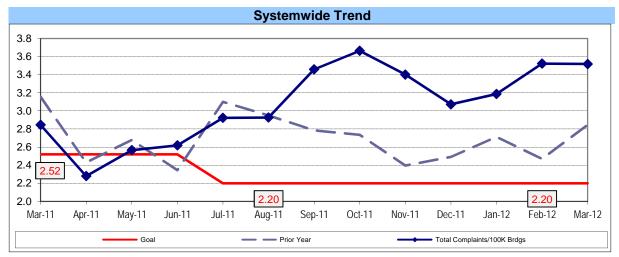
0.02 0.00 Mar-11

#### **CUSTOMER SATISFACTION**

#### **COMPLAINTS PER 100,000 BOARDINGS**

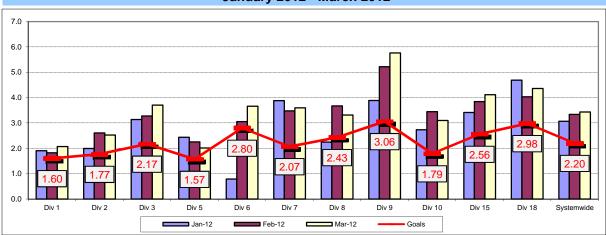
**Definition:** Average number of customer complaints per 100,000 boardings. This indicator measures service quality and customer satisfaction.

Calculation: Customer complaints per 100,000 Boardings = Complaints/(Boardings/100,000)

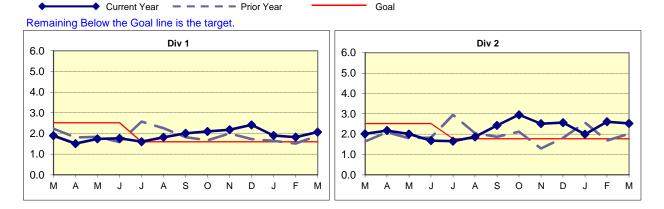




#### Bus Operating Divisions, by Divisions January 2012 - March 2012

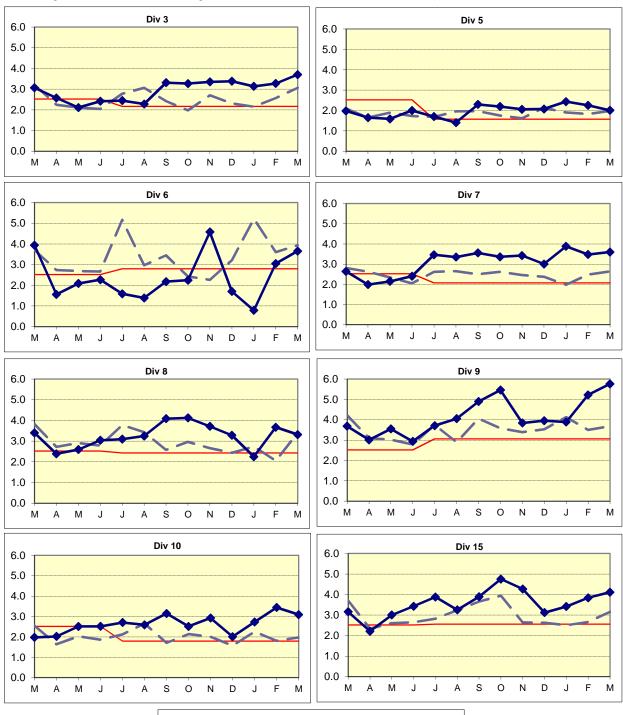


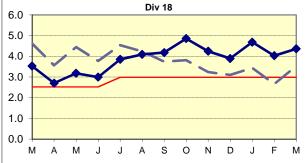
**COMPLAINTS PER 100,000 BOARDINGS** 











#### WORKERS COMPENSATION CLAIMS

#### New Workers Compensation Claims per 200,000 Exposure Hours

**Definition:** Average number of new workers compensation indemnity claims filed per 200,000 exposure hours. Indemnity – requires an overnight hospital stay or involves more than 3 calendar days of lost time. This indicator measures safety.

**Calculation:** New workers' compensation indemnity claims filed per 200,000 Exposure Hours = New Claims/(Exposure Hours/200,000)

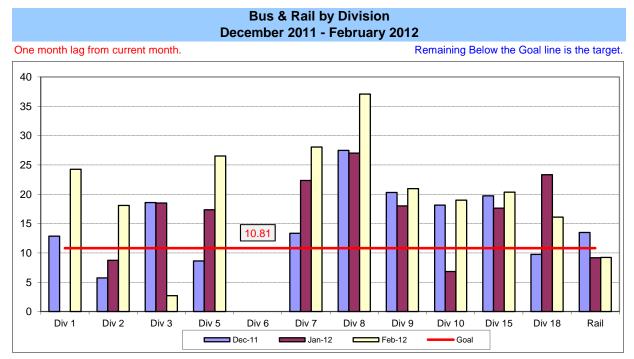


Remaining Below the Goal line is the target.

#### NEW CLAIMS PER 200,000 EXPOSURE HOURS - MONTH BY BUS DIVISION & RAIL

**Definition:** Average number of new workers compensation indemnity claims filed per 200,000 exposure hours. Indemnity – requires an overnight hospital stay or involves more than 3 calendar days of lost time. This indicator measures safety.

**Calculation:** New workers' compensation indemnity claims filed per 200,000 Exposure Hours = New Claims/(Exposure Hours/200,000)

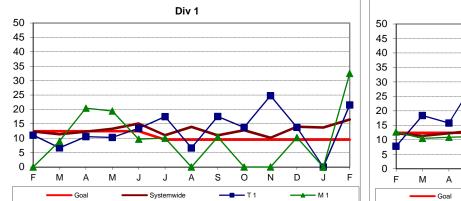


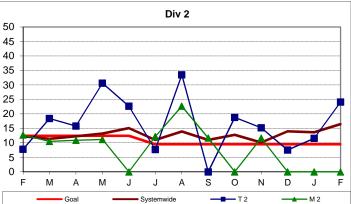
#### NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions

**Definition:** Average number of new workers compensation indemnity claims filed per 200,000 exposure hours. Indemnity – requires an overnight hospital stay or involves more than 3 calendar days of lost time. This indicator measures safety.

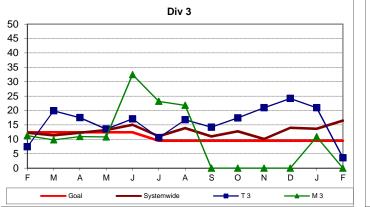
**Calculation:** New workers' compensation indemnity claims filed per 200,000 Exposure Hours = New Claims/(Exposure Hours/200,000)

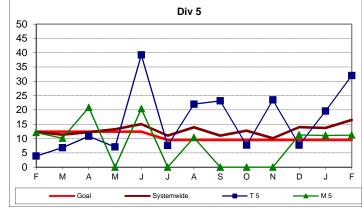
#### One month lag in reporting.

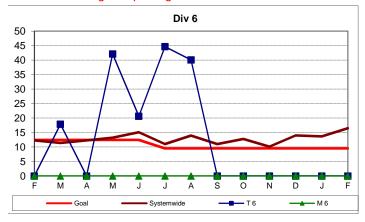


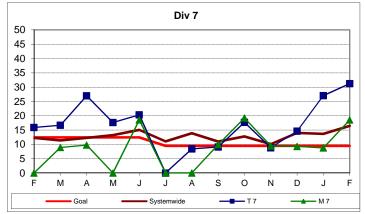


Remaining Below the Goal line is the target. One month lag in reporting.



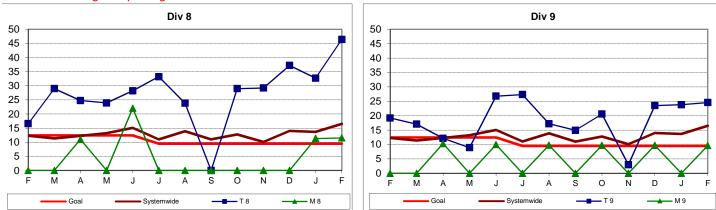




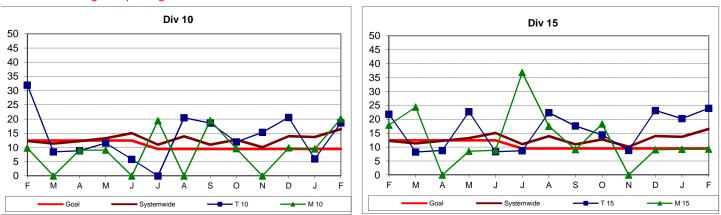


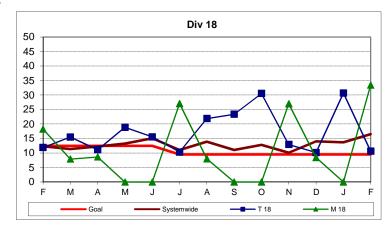
#### NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS - Continued

Remaining Below the Goal line is the target. One month lag in reporting.



#### One month lag in reporting.





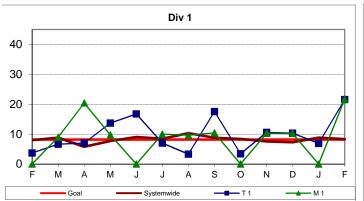
#### **OSHA INJURIES FILED PER 200,000 EXPOSURE HOURS**

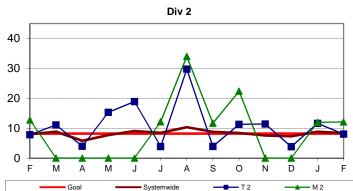
Systemwide and Bus Operating Divisions

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

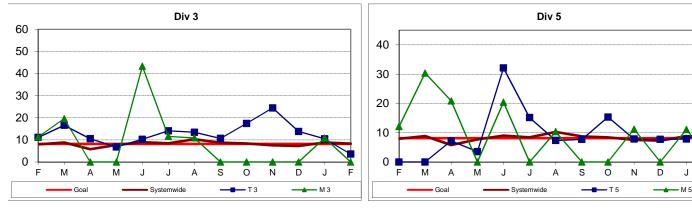
Calculation: New OSHA Injuries filed per 200,000 Exposure Hours = New Injuries /(Exposure Hours/200,000)

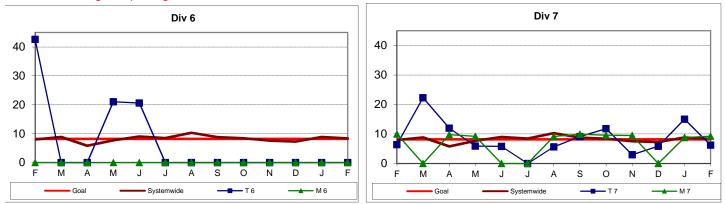
#### One month lag in reporting.





Remaining Below the Goal line is the target. One month lag in reporting.





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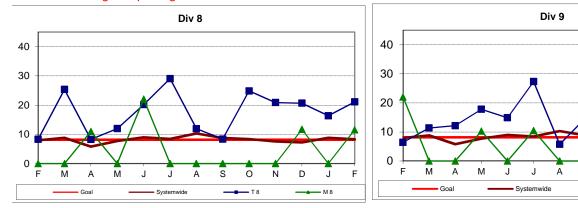
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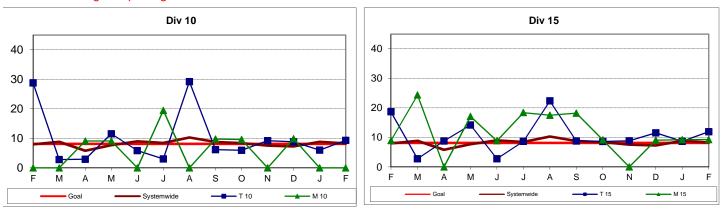
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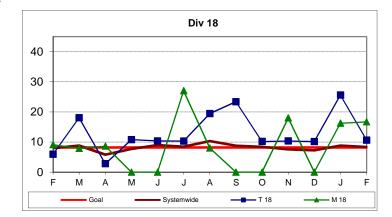
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One month lag in reporting.





One month lag in reporting.



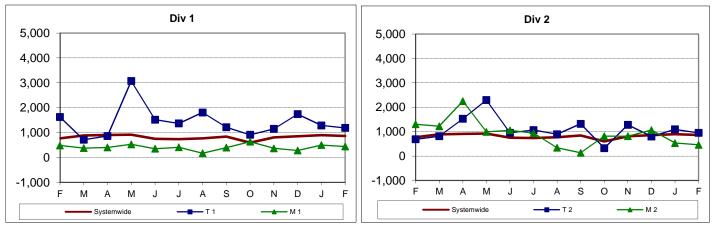
## NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS

#### Systemwide and Bus Operating Divisions

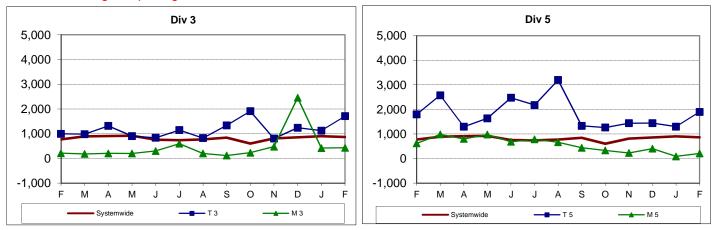
**Definition:** Number of paid working days lost due to employees workers' compensation injuries each month per 200,000 exposure hours. This indicator measures use of Transitional Duty Program.

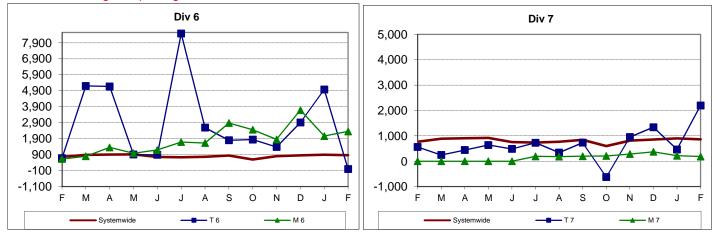
**Calculation:** : (Total Temporary Disability Benefit Payments / Estimated TD Benefit Rate) x (5/7) / (Number of Exposure Hours / 200,000)

#### One month lag in reporting

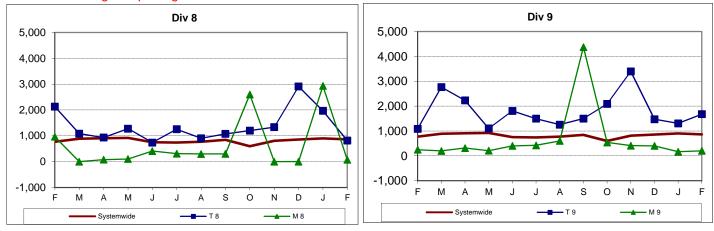


Lower is better. One month lag in reporting.





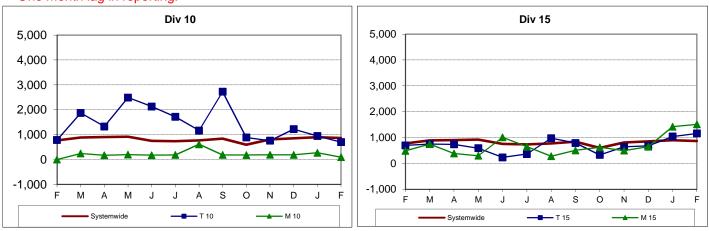
#### NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS - Continued

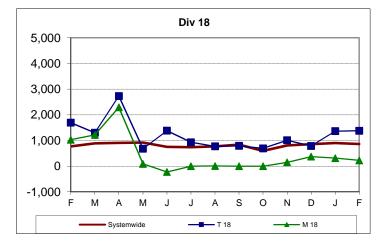


#### One month lag in reporting.

#### Lower is better.

One month lag in reporting





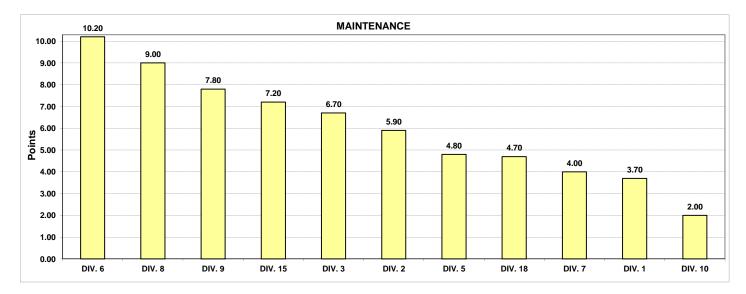
#### "HOW YOU DOIN'?" PERFORMANCE INCENTIVE PROGRAM

#### Monthly Calculations - March 2012 Metro Bus - Maintenance

Definition: A performance awareness program designed to increase productivity and efficiency.

**Calculation:** Performances by Division are ranked from best to worst. A score of 1 to 11 is assigned, with 11 being the best and 1 being the worst. Each score for each performance indicator is then multiplied by the weight assigned to the particular performance indicator and then summed. Summed values are sorted from high to low and the Division with the highest score wins the program award for the month.

					Mainter	ance						
	Weight	Div 1	Div 2	Div 3	Div 5	Div 6	Div 7	Div 8	Div 9	Div 10	Div 15	Div 18
Miles Between												
Total Road Calls	50%	1757.46	1993.61	2323.37	1814.59	3964.15	1752.89	5080.03	3909.92	1606.38	3007.36	2161.63
Points		3	5	7	4	10	2	11	9	1	8	(
Attendance	20%	0.984	0.967	0.966	0.976	1.000	0.986	0.986	0.977	0.973	0.975	0.981
Points		8	2	1	5	11	9	10	6	3	4	7
New WC Claims												
/200,000 Exp Hrs*	30%	32.46	0.00	0.00	11.21	0.00	18.56	11.54	9.63	20.12	9.30	33.4
Points *One month lag		2	10	10	6	10	4	5	7	3	8	
Totals		3.70	5.90	6.70	4.80	10.20	4.00	9.00	7.80	2.00	7.20	4.70
FINAL					Maintenan	ce Division	Ranking (S	orted)				
RANKING	DIV.	DIV. 6	DIV. 8	DIV. 9	DIV. 15	DIV. 3	DIV. 2	DIV. 5	DIV. 18	DIV. 7	DIV. 1	DIV. 10
	Score	10.20	9.00	7.80	7.20	6.70	5.90	4.80	4.70	4.00	3.70	2.00
	Rank	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th

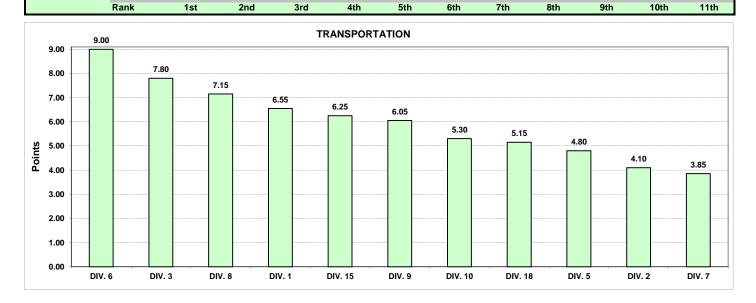


#### Monthly Calculations - March 2012 Metro Bus - Transportation

Definition: A performance awareness program designed to increase productivity and efficiency.

**Calculation:** Performance by Division are ranked from best to worst. A score of 1 to 11 is assigned, with 11 being the best and 1 being the worst. Each score for each performance indicator is then multiplied by the weight assigned to the particular performance indicator and then summed. Summed values are sorted from high to low and the Division with the highest score wins the program award for the month.

					Transpo	rtation						
	Weight	Div 1	Div 2	Div 3	Div 5	Div 6	Div 7	Div 8	Div 9	Div 10	Div 15	Div 18
In-Service On-Time												
Performance	25%	0.805	0.739	0.775	0.781	0.820	0.742	0.787	0.763	0.743	0.769	0.751
Points		10	1	7	8	11	2	9	5	3	6	4
Miles Between												
Total Road Calls	10%	1757.46	1993.61	2323.37	1814.59	3964.15	1752.89	5080.03	3909.92	1606.38	3007.36	2161.63
Points		3	5	7	4	10	2	11	9	1	8	6
Accident Rate	25%	4.81	4.81	3.60	8.32	3.88	4.12	2.16	1.71	4.18	3.79	4.22
Points	2070	2	3	9	1	7	12	10	11	5	8	4.22
i onto		2	5	9		'	0	10		5	0	4
Complaints/100K												
Boardings	15%	2.07	2.52	3.71	2.01	3.66	3.60	3.32	5.76	3.10	4.11	4.36
Points		10	9	4	11	5	6	7	1	8	3	2
New WC Claims												
/200,000 Exp Hrs*	25%	21.54	24.11	3.58	32.00	0.00	31.24	46.42	24.56	18.65	23.91	10.62
Points		7	5	10	2	11	3	1	4	8	6	9
*One month lag												
Totals		6.55	4.10	7.80	4.80	9.00	3.85	7.15	6.05	5.30	6.25	5.15
FINAL					Transportat	ion Divisior	n Ranking (	Sorted)				
RANKING	DIV.	DIV. 6	DIV. 3	DIV. 8	DIV. 1	DIV. 15	DIV. 9	DIV. 10	DIV. 18	DIV. 5	DIV. 2	DIV. 7
	Score	9.00	7.80	7.15	6.55	6.25	6.05	5.30	5.15	4.80	4.10	3.85



#### "HOW YOU DOIN'?" PERFORMANCE INCENTIVE PROGRAM

#### Quarterly Calculations: FY12 - Q3 Metro Bus - Maintenance and Transportation

Definition: A performance awareness program designed to increase productivity and efficiency.

**Calculation:** Data reflects a cumulative total of performance data for each performance indicator for the three months in the most current closed quarter. Performance by Division are ranked from best to worst. A score of 1 to 11 is assigned, with 11 being the best and 1 being the worst. Each score for each performance indicator is then multiplied by the weight assigned to the particular performance measure, summed with the other scores for that Division and sorted from high to low score.

				Maintena	ance and	Transpor	tation					
Maintenance	Weight	Div 1	Div 2	Div 3	Div 5	Div 6	Div 7	Div 8	Div 9	Div 10	Div 15	Div 18
Miles Between Total												
Road Calls	25.0%	1818	1908	2140	1751	3386	1925	5298	3955	1662	2910	2278
Points		3	4	6	2	9	5	11	10	1	8	7
Attendance	10.0%	0.9735	0.9677	0.9620	0.9729	0.9475	0.9685	0.9754	0.9609	0.9708	0.9731	0.9819
Points		9	4	3	7	1	5	10	2	6	8	11
Claims /200000												
Exp.Hrs	1 <b>5.0%</b>	14.0067	0.0000	3.7193	11.1867	0.0000	12.1380	7.6722	6.3537	13.0625	9.1919	13.8280
Points *		1	10.5	9	5	10.5	4	7	8	3	6	2
* One month Lag Dec 1	1 - Feb 12											
Transportation												
In-Service On-Time												
Performance	12.5%	0.8065	0.7379	0.7808	0.7894	0.8004	0.7433	0.7885	0.7713	0.7474	0.7758	0.7554
Points		11	1	7	9	10	2	8	5	3	6	4
Miles Between Total												
Road Calls	5.0%	1817.9	1908.0	2140.2	1751.2	3385.8	1925.2	5298.3	3955.3	1662.2	2909.9	2278.4
Points		3	4	6	2	9	5	11	10	1	8	7
Accidents/100k Hub												
Miles	12.5%	4.7478	4.6122	2.9945	5.7746	5.3701	3.8113	2.3904	2.1099	4.5889	3.5830	4.1750
Points		3	4	9	1	2	7	10	11	5	8	6
Complaints/100K												
Boardings	7.5%	1.9349	2.3805	3.3806	2.2282	2.5336	3.6506	3.0987	4.9807	3.0917	3.8009	4.3585
Points		11	9	5	10	8	4	6	1	7	3	2
Claims /200000												
Exp.Hrs	12.5%	11.6391	14.2306	16.3824	19.6269	0.0000	24.1238	38.6999	23.9568	15.0870	22.4248	17.2016
Points *		10	9	7	5	11	2	1	3	8	4	6
* One month Lag Dec 1	1 - Feb 12											
Totals		5.78	5.60	6.70	4.68	7.85	4.28	8.18	6.85	3.88	6.58	5.65
FINAL			M	aintenanc	e and Tra	ansportati	on Divisio	on Rankin	g (Sorted)			
RANKING	DIV.	DIV. 8	DIV.6	DIV. 9	DIV. 3	DIV. 15	DIV. 1	DIV. 18	DIV. 2	DIV. 5	DIV. 7	DIV. 10
	Score	8.18	7.85	6.85	6.70	6.58	5.78	5.65	5.60	4.68	4.28	3.88
	Rank	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th

