# MAR 2009

# METRO OPERATIONS MONTHLY PERFORMANCE REPORT



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# San Fernando Valley Sector Scorecard Overview (SFV)

This sector has two Metro operating divisions, Division 8 in Chatsworth and Division 15 in Sun Valley. The sector is responsible for the operation of approximately 490 Metro buses and 24 Metro Bus lines carrying nearly 64.9 million boarding passengers each year. They operate the successful Orange Line.

This report gives a brief overview of sector 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
- \* Complaints per 100,000 Boardings
- \* New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours

						FY09	FY09	Mar.	
Measurement	FY04	FY05	FY06	FY07	FY08	Target	YTD	Month	Status
Bus Systemwide									
Mean Miles Between Mechanical Failures Requiring Bus Exchange. (MMBMF) No. of unaddressed road calls			3,274	3,532 1,116*	3,137 824	3,500	3,138 303	3,150 17	$\sim$
Mean Miles Between Total Road Calls (MMBTRC)				1,245	1,137	1,556	1,220	1,324	<b>\</b>
In-Service On-time Performance**	65.43%	66.50%	64.35%**	63.77%	64.05%	66.15%	65.23%	66.70%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					3.47	3.40	3.10	3.18	
Complaints per 100,000 Boardings	4.51	3.54	2.41	2.46	2.57	2.70	2.80	2.72	$\Diamond$
New Workers' Compensation IndemnityClaims per 200,000 Exposure Hours (1 month lag)	17.64	13.61	12.27	11.11	11.54	12.10	Feb. YTD 8.90	Feb. 8.99	
**Div 15 Nov. '05 data excluded & Dec. Data after shake-up SFV Sector									
MMBMF No. of unaddressed road calls			3,319	3,619 432*	2,938 153	3,500	3,099 11	2,925 0	
MMBTRC				1,310	1,222	1,638	1,368	1,518	$\Diamond$
In-Service On-time Performance	67.47%	68.54%	65.19%**	65.60%	67.48%	67.50%	68.36%	69.58%	
Bus Traffic Accidents Per 100,000 Miles					2.55	2.89	2.09	2.37	
Complaints per 100,000 Boardings	5.45	4.39	3.24	3.00	2.88	3.00	3.07	3.40	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	15.15	13.71	11.75	13.74	12.17	13.50	Feb. YTD 11.79	Feb. 15.90	•
**Div 15 Nov. '05 data excluded & Dec. Data after shake-up <b>Division 8</b>									
MMBCMF No. of unaddressed road calls			3,836	3,912 258*	2,944 100	3,500	3,566 0	2,873 0	
MMBTRC				1,537	1,333	1,922	1,636	1,653	$\Diamond$
In-Service On-time Performance	69.12%	69.78%	68.23%	67.48%	68.50%	68.00%	68.83%	68.37%	
Bus Traffic Accidents Per 100,000 Miles					1.99	2.77	1.79	2.02	
Complaints per 100,000 Boardings	5.09	4.17	3.37	2.75	2.64	2.80	2.98	3.97	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	19.15	16.77	13.81	16.14	15.03	15.00	Feb. YTD 10.41	Feb. 25.49	
Division 15									
MMBCMF No. of unaddressed road calls			2,996	3,420 174*	2,933 53	3,500	2,825 11	2,965 0	$\sim$
MMBTRC				1,175	1,151	1,469	1,220	1,432	$\Diamond$
In-Service On-time Performance	66.62%	67.84%	63.84%**	64.41%	66.85%	67.00%	68.08%	70.28%	
Bus Traffic Accidents Per 100,000 Miles					2.98	3.00	2.32	2.62	
Complaints per 100,000 Boardings	5.70	4.55	3.14	3.16	3.05	3.20	3.14	3.02	
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	13.14	12.46	10.41	12.44	10.58	12.00	Feb. YTD 13.31	Feb. 10.27	<b>\rightarrow</b>

<sup>\*</sup>Jan-June '07 \*\* Div 15 excluded (Nov. '05 data excluded --No schedules loaded for Orange Line Oct.31 shake-up & Dec. Data after shake-up used.)

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).

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

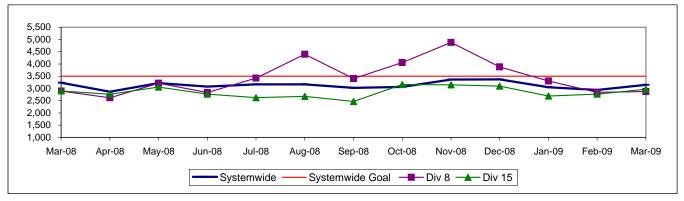
Red - High probability that the target will not be achieved -- significant problems and/or delays.

#### SAN FERNANDO VALLEY SECTOR BUS SERVICE PERFORMANCE

# MEAN MILES BETWEEN MECHANICAL FAILURES REQUIRING BUS EXCHANGE Systemwide and Divisions 8 and 15

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

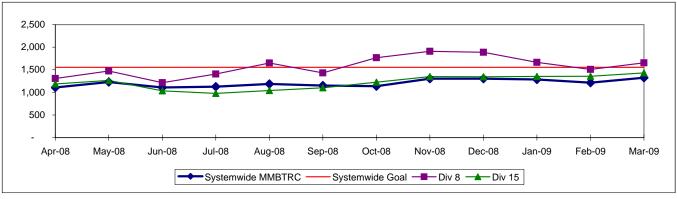
**Calculation:** MMBMF = (Total Hub Miles / by Mechanical Related Roadcalls Requiring a Bus Exchange)



# MEAN MILES BETWEEN TOTAL ROADCALLS Systemwide and Divisions 8 and 15

**Definition:** Average Hub Miles traveled between total raodcalls.

Calculation: MMBMF = (Total Hub Miles / by Total Roadcalls)

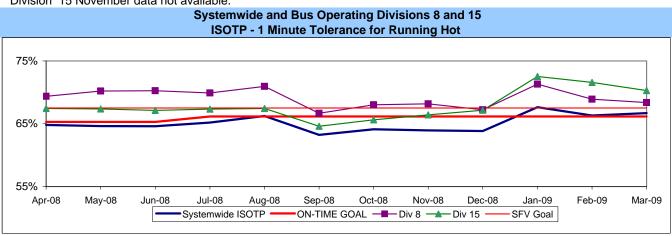


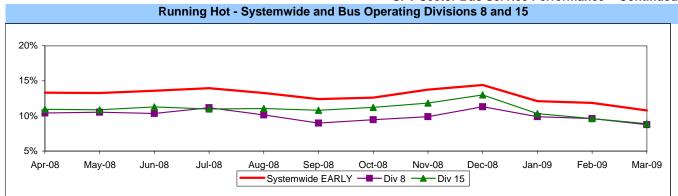
#### **IN-SERVICE ON-TIME PERFORMANCE\***

**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. (Excludes Rapid buses.)

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

\* Division 15 November data not available.

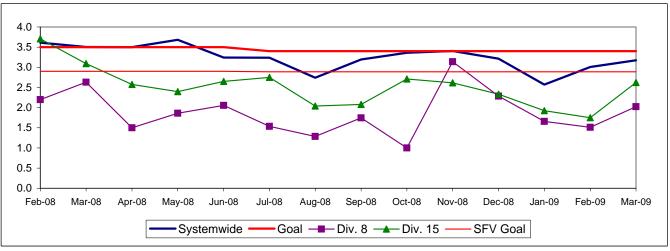




# BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES Systemwide and Bus Operating Divisions 8 and 15

**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))

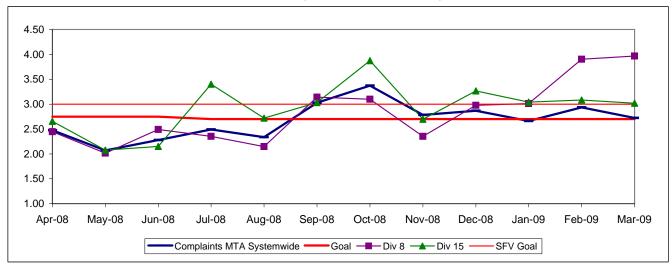


NOTE: Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

# COMPLAINTS PER 100,000 BOARDINGS Systemwide and Bus Operating Divisions 8 and 15

**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)

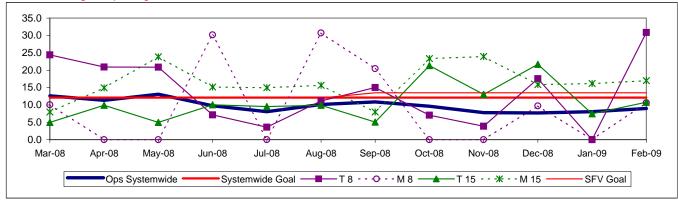


# NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 8 and 15

**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)

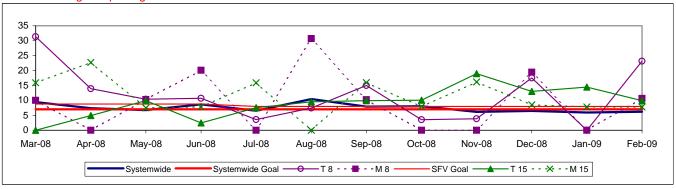
### One month lag in reporting.



# OSHA INJURIES FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 8 and 15

**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.

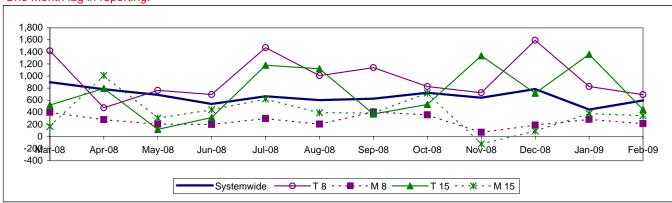


# NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 8 and 15

**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.

 $\textbf{Calculation:} : (Total \ Temporary \ Disability \ Benefit \ Payments \ / \ Estimated \ TD \ Benefit \ Rate) \ x \ (5/7) \ / \ (Number \ of \ Exposure \ Hours \ / \ 200,000)$ 

#### One month lag in reporting.



# San Gabriel Valley Sector Scorecard Overview (SGV)

This sector has two Metro operating divisions, Division 3 Cypress Park and Division 9 in El Monte. The sector is responsible for the operation of approximately 485 Metro buses and 28 Metro Bus lines carrying over 71.6 million boarding passengers each year.

This report gives a brief overview of sector 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
- \* Complaints per 100,000 Boardings
- \* New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours

Measurement	FY04	FY05	FY06	FY07	FY08	FY09 Target	FY09 YTD	Mar. Month	Status
Bus Systemwide									
Mean Miles Between Mechanical Failures Requiring Bus Exchange. (MMBMF) No. of unaddressed road calls			3,274	3,532 1,116*	3,137 824	3,500	3,138 303	3,150 17	<b>\limits</b>
Mean Miles Between Total Road Calls (MMBTRC)				1,245	1,137	1,556	1,220	1,324	<b>\rightarrow</b>
In-Service On-time Performance**	65.43%	66.50%	64.35%**	63.77%	64.05%	66.15%	65.23%	66.70%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					3.47	3.40	3.10	3.18	
Complaints per 100,000 Boardings	4.51	3.54	2.41	2.46	2.57	2.70	2.80	2.72	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	17.64	13.61	12.27	11.11	11.54	12.10	Feb. YTD 8.90	Feb. 8.99	
SGV Sector									
MMBMF No. of unaddressed road calls			3,467	3,376 88*	3,300 133	3,500	3,321 69	3,218 1	<b>\rightarrow</b>
MMBTRC				1,618	1,516	2,023	1,692	1,856	$\Diamond$
In-Service On-time Performance	69.98%	70.10%	68.59%	65.85%	66.83%	67%	69.11%	70.32%	
Bus Traffic Accidents Per 100,000 Miles					3.20	2.90	2.81	3.29	
Complaints per 100,000 Boardings	3.80	2.95	2.18	2.49	2.58	2.50	2.94	2.51	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	16.12	10.14	12.57	13.35	10.17	10.47	Feb. YTD 12.56	Feb. 12.54	<b>\rightarrow</b>
Division 3									
MMBMF No. of unaddressed road calls			2,690	2,838 58*	2,573 45	3,500	2,506 21	2470 0	<b>\rightarrow</b>
MMBTRC				1,239	1,132	1,549	1,219	1,382	$\Diamond$
In-Service On-time Performance	70.80%	71.06%	70.05%	16.54%	66.83%	67%	68.96%	69.64%	
Bus Traffic Accidents Per 100,000 Miles					4.24	3.60	3.74	4.47	$\Diamond$
Complaints per 100,000 Boardings	3.02	2.60	1.83	2.12	2.14	2.10	2.71	2.36	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	12.36	6.68	11.36	10.06	12.81	10.96	Feb. YTD 9.12	Feb. 5.18	
Division 9									
MMBMF No. of unaddressed road calls			4,585	4,087 30*	4,119 88	3,500	4,288 48	4,066 1	
MMBTRC				2,099	1,989	2,623	2,315	2,430	$\Diamond$
In-Service On-time Performance	68.16%	68.16%	67.01%	12.52%	66.84%	67%	69.24%	70.94%	
Bus Traffic Accidents Per 100,000 Miles					2.46	2.40	2.17	2.48	
Complaints per 100,000 Boardings	5.09	5.09	2.61	2.24	2.98	2.90	3.18	2.66	$\Diamond$
New Workers' Compensation IndemnityClaims per 200,000 Exposure Hours (1 month lag)	20.75	14.66	14.34	17.30	8.35	8.20	Feb. YTD 15.68	Feb. 19.89	<b>\limits</b>

<sup>\*</sup>Jan - June '07 \*\*Div 15 Nov. '05 data excluded & Dec. Data after shake-up used.

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).

In the target will be achieved -- slight problems, delays or management issues.

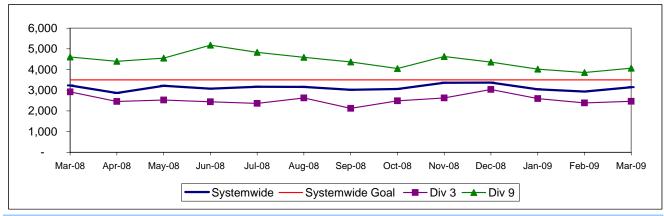
Red - High probability that the target will not be achieved -- significant problems and/or delays.

#### SAN GABRIEL VALLEY SECTOR BUS SERVICE PERFORMANCE

# MEAN MILES BETWEEN MECHANICAL FAILURES REQUIRING BUS EXCHANGE Systemwide and Divisions 3 and 9

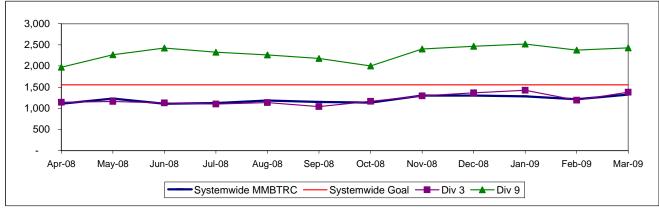
**Definition:** Average Hub Miles traveled between mechanical problems that result in a bus exchange.

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



# MEAN MILES BETWEEN TOTAL ROADCALLS Systemwide and Divisions 3 and 9

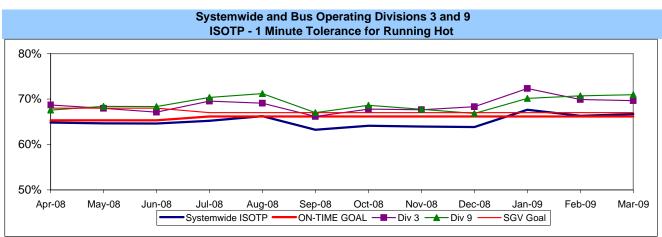
**Definition:** Average Hub Miles traveled between total roadcalls **Calculation:** MMBMF = (Total Hub Miles / by Total Roadcalls)

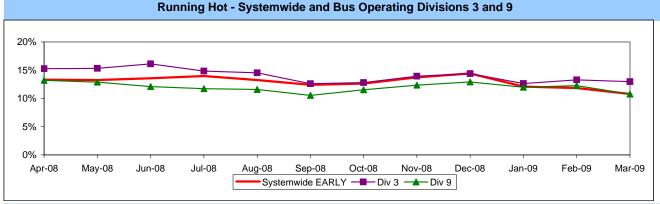


#### **IN-SERVICE ON-TIME PERFORMANCE**

**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. (Excludes Rapid buses.)

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

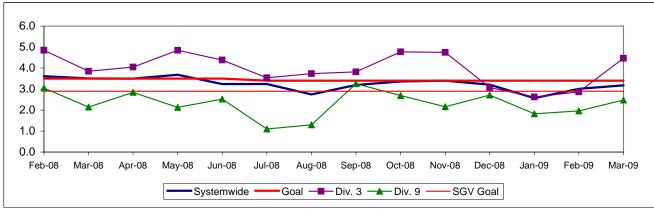




### BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES Systemwide and Bus Operating Divisions 3 and 9

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))

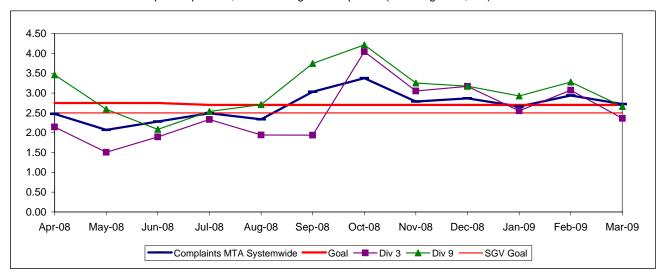


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# COMPLAINTS PER 100,000 BOARDINGS Systemwide and Bus Operating Divisions 3 and 9

**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)

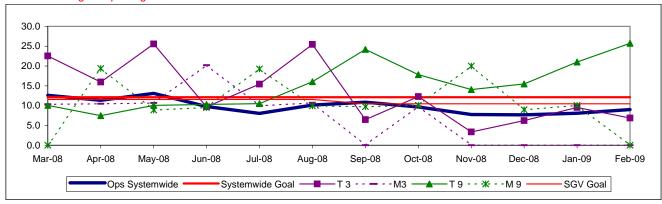


# NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 3 and 9

**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)

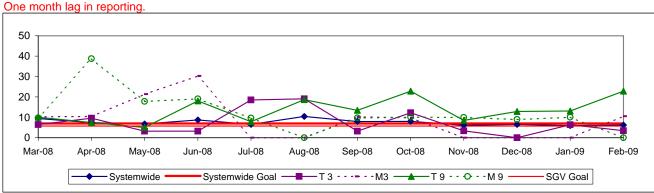
One month lag in reporting.



#### OSHA INJURIES FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 3 and 9

**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)

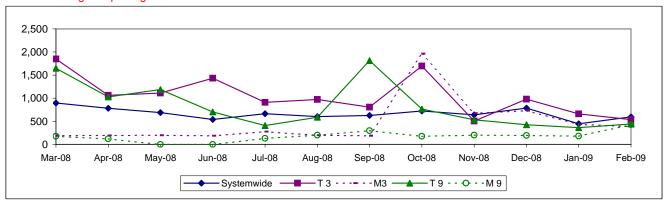


# NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 3 and 9

**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.



# **Gateway Cities Sector Scorecard Overview (GC)**

This sector has two Metro operating divisions, Division 1 and 2, both operating out of the downtown Los Angeles area. The sector will be responsible for the operation of approximately 465 Metro buses and 22 Metro Bus lines carrying nearly 81.2 million boarding passengers each year.

This report gives a brief overview of sector 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
- \* Complaints per 100,000 Boardings
- \* New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours

						FY09	FY09	Mar.	
Measurement	FY04	FY05	FY06	FY07	FY08	Target	YTD	Month	Status
Bus Systemwide						<u> </u>			
Mean Miles Between Mechanical Failures									
Requiring Bus Exchange. (MMBMF)			3.274	3,532	3,137	3.500	3,138	3,150	$\Diamond$
No. of unaddressed road calls			3,274	1,116*	824	3,300	303	17	•
Mean Miles Between Total Road Calls									
(MMBTRC)				1,245	1,137	1,556	1,220	1,324	$\Diamond$
In-Service On-time Performance	65.43%	66.50%	64.35%**	63.77%	64.05%	66.15%	65.23%	66.70%	$\diamond$
Bus Traffic Accidents Per 100,000 Miles					3.47	3.40	3.10	3.18	
Complaints per 100,000 Boardings	4.51	3.54	2.41	2.46	2.57	2.70	2.80	2.72	$\Diamond$
New Workers' Compensation Indemnity Claims							F-L VTD	F-1-	
per 200,000 Exposure Hours (1 month lag)	17.64	13.61	12.27	11.11	11.54	12.10	Feb. YTD 8.90	Feb. 8.99	
GC Sector									
MMBMF				3,163	2.845		2,650	2.841	
No. of unaddressed road calls			2,506	170*	322	3,500	79	2,041	
MMBTRC				995	960	1,244	1,146	1,220	$\Diamond$
In-Service On-time Performance	69.34%	71.20%	71.73%	68.01%	68.09%	70.00%	71.31%	73.61%	
Bus Traffic Accidents Per 100,000 Miles					3.52	3.50	3.23	2.88	Ŏ
Complaints per 100,000 Boardings	3.08	2.58	1.69	1.78	1.91	2.00	1.94	2.15	<u> </u>
New Workers' Compensation Indemnity Claims	0.00	2.00				2.00			
per 200,000 Exposure Hours (1 month lag)	20.19	14.11	11.45	10.27	10.56	10.55	Feb. YTD 8.08	Feb. 7.24	
Division 1									
MMBMF				3,757	2,960		2.586	2,833	
No. of unaddressed road calls			2,409	138*	311	3,500	61	2,000	
MMBTRC				932	908	1,165	1.095	1,147	
In-Service On-time Performance	70.57%	71.62%	71.06%	68.02%	67.55%	70.00%	70.37%	72.91%	Ŏ
Bus Traffic Accidents Per 100,000 Miles					3.41	3.50	3.00	2.20	Ŏ
Complaints per 100,000 Boardings	3.32	2.92	1.92	1.89	1.90	2.00	1.88	2.25	Ŏ
New Workers' Compensation Indemnity Claims									
per 200,000 Exposure Hours (1 month lag)	16.82	12.71	10.92	8.48	7.59	10.55	Feb. YTD 7.64	Feb. 6.90	
Division 2									
MMBMF				2,598	2,707		2,738	2,851	$\Diamond$
No. of unaddressed road calls			2,660	32*	11	3,500	18	7	~
MMBTRC				1,097	1,039	1,371	1,221	1,328	$\Diamond$
In-Service On-time Performance	67.62%	70.42%	72.71%	67.99%	68.60%	70.00%	72.04%	74.15%	
Bus Traffic Accidents Per 100,000 Miles					3.67	3.50	3.51	3.76	Ŏ
Complaints per 100,000 Boardings	2.84	2.15	1.42	1.64	1.93	2.00	2.01	2.05	<del>Ŏ</del>
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	24.56	16.69	12.97	13.36	14.82	10.55	Feb. YTD 9.01	Feb. 8.34	0

<sup>\*</sup>Jan - June '07 \*\*Div 15 Nov. '05 data excluded & Dec. Data after shake-up used.

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).

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

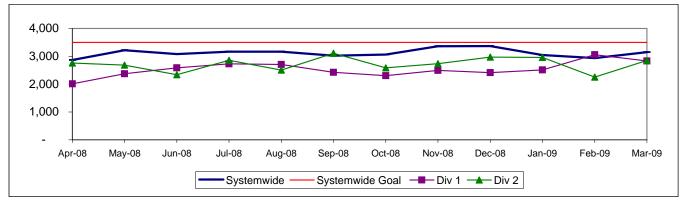
Red - High probability that the target will not be achieved -- significant problems and/or delays.

#### **GATEWAY CITIES SECTOR BUS SERVICE PERFORMANCE**

# MEAN MILES BETWEEN MECHANICAL FAILURES REQUIRING BUS EXCHANGE Systemwide and Divisions 1 and 2

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

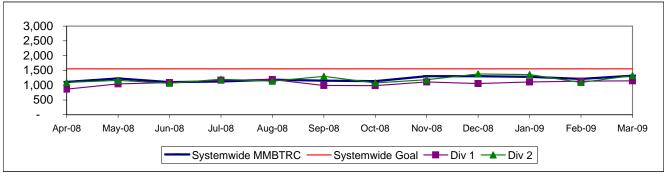
Calculation: MMBMF = (Total Hub Miles / by Mechanical Related Roadcalls Requiring a Bus Exchange)



# MEAN MILES BETWEEN TOTAL ROADCALLS Systemwide and Divisions 1 and 2

**Definition:** Average Hub Miles Between Total Roadcalls

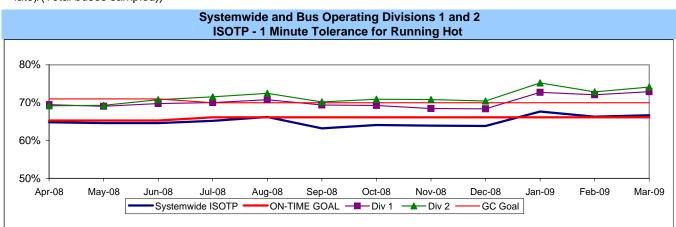
**Calculation:** MMBMF = (Total Hub Miles / by Total Roadcalls)



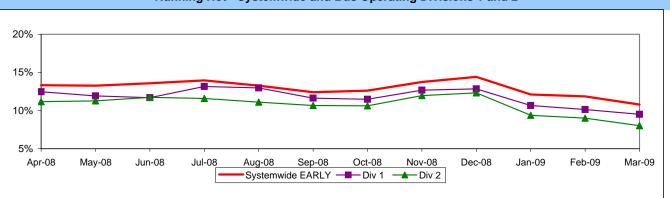
### IN-SERVICE ON-TIME PERFORMANCE

**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. (Excludes Rapid buses.)

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



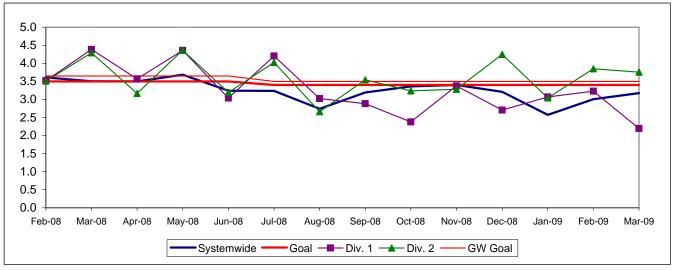
# Running Hot - Systemwide and Bus Operating Divisions 1 and 2



### **BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES** Systemwide and Bus Operating Divisions 1 and 2

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

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

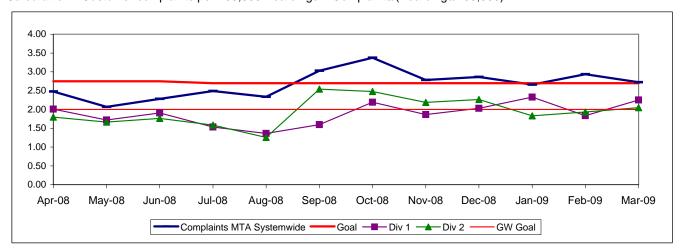


NOTE: Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

### **COMPLAINTS PER 100,000 BOARDINGS** Systemwide and Bus Operating Divisions 1 and 2

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)

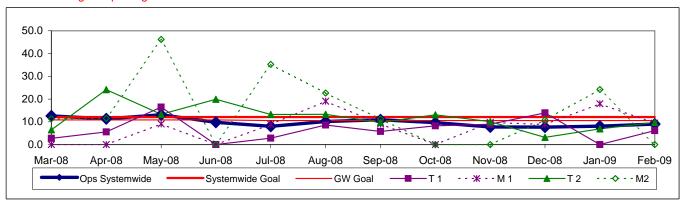


# NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 1 and 2

**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)

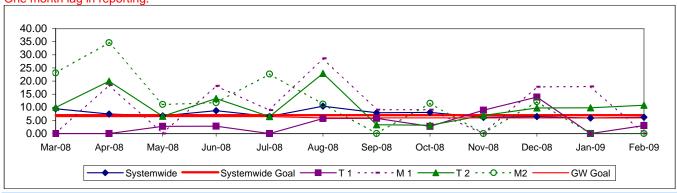
One month lag in reporting.



### OSHA INJURIES FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 1 and 2

**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.

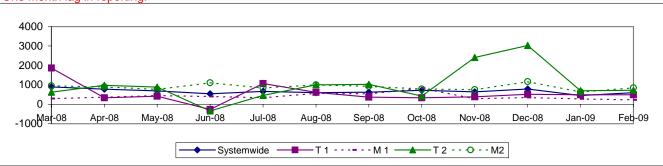


# NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 1 and 2

**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)





# South Bay Sector Scorecard Overview (SB)

This sector has two Metro operating divisions, Arthur Winston Division (5) in South Los Angeles and Carson Division (18) in Carson. The sector will be responsible for the operation of approximately 530 Metro buses and 32 Metro Bus lines carrying over 90.2 million boarding passengers each year.

This report gives a brief overview of sector 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
- \* Complaints per 100,000 Boardings
- \* New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours

Measurement	FY04	FY05	FY06	FY07	FY08	FY09 Target	FY09 YTD	Mar. Month	Status
Bus Systemwide									
Mean Miles Between Mechanical Failures Requiring Bus Exchange. (MMBMF) No. of unaddressed road calls			3,274	3,532 1,116*	3,137 824	3,500	3,138 303	3,150 17	<b>\rightarrow</b>
Mean Miles Between Total Road Calls (MMBTRC)				1,245	1,137	1,556	1,220	1,324	<b>\rightarrow</b>
In-Service On-time Performance**	65.43%	66.50%	64.35%**	63.77%	64.05%	66.15%	65.23%	66.70%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					3.47	3.40	3.10	3.18	
Complaints per 100,000 Boardings	4.51	3.54	2.41	2.46	2.57	2.70	2.80	2.72	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	17.64	13.61	12.27	11.11	11.54	12.10	Feb. YTD 8.90	Feb. 8.99	•
**Div 15 Nov. '05 data excluded & Dec. Data after shake-up SB Sector									
MMBMF No. of unaddressed road calls			3,688	3,826 231*	3,427 100	3,500	3,337 56	3,309	<b>\rightarrow</b>
MMBTRC				1,273	1,117	1,591	1,116	1,166	$\Diamond$
In-Service On-time Performance	61.74%	64.13%	59.05%	62.39%	62.03%	62.00%	61.60%	61.31%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					3.86	4.00	3.45	3.60	
Complaints per 100,000 Boardings	4.63	3.61	2.49	2.51	2.56	3.00	3.08	3.36	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	14.84	14.65	13.85	10.81	15.18	13.50	Feb. YTD 9.00	Feb. 11.92	0
Division 5									
MMBMF No. of unaddressed road calls			3,656	3,580 57*	3,227 26	3,500	3,246 16	3,315 2	<b>\rightarrow</b>
MMBTRC				1,459	1,130	1,824	1,316	1,405	$\Diamond$
In-Service On-time Performance	63.17%	65.58%	61.85%	63.83%	63.35%	62.00%	63.55%	62.59%	
Bus Traffic Accidents Per 100,000 Miles					5.11	4.00	4.30	4.91	$\diamond$
Complaints per 100,000 Boardings	3.45	2.71	1.87	1.71	1.46	3.00	1.78	2.42	
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	15.22	18.72	14.68	14.89	15.96	13.50	Feb. YTD 10.69	Feb. 12.91	
Division 18									
MMBMF No. of unaddressed road calls			3,712	4,008 214*	3,563 74	3,500	3,399 40	3,305 1	<b>\langle</b>
MMBTRC				1,174	1,109	1,468	1,017	1,052	$\Diamond$
In-Service On-time Performance	60.78%	63.42%	57.31%	61.19%	60.88%	62.00%	59.82%	60.20%	Ŏ
Bus Traffic Accidents Per 100,000 Miles	55.7 570	JJ. 12/0	55170	01070	3.08	4.00	2.91	2.77	Ŏ
Complaints per 100,000 Boardings	5.74	4.44	3.07	3.29	3.72	3.00	4.55	4.43	$\overline{\diamond}$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)  *lan. line 107 **Div 15 Nov. 105 data excluded & Dec. Data at	14.71	11.67		8.50	14.70	13.50	Feb. YTD 7.65	Feb. 11.99	0

<sup>\*</sup>Jan - June '07 \*\*Div 15 Nov. '05 data excluded & Dec. Data after shake-up used.

NOTE: As of Aug. '07, Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

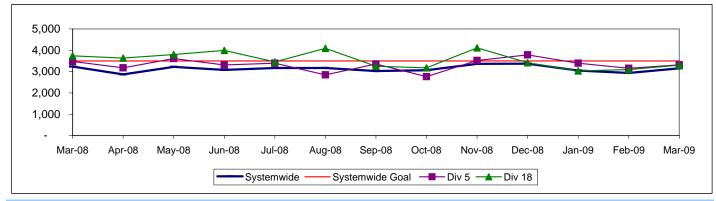
- Green High probability of achieving the target (on track).
- ellow Uncertain if the target will be achieved -- slight problems, delays or management issues.
- Red High probability that the target will not be achieved -- significant problems and/or delays.

### SOUTH BAY SECTOR BUS SERVICE PERFORMANCE

# MEAN MILES BETWEEN MECHANICAL FAILURES REQUIRING BUS EXCHANGE Systemwide and Divisions 5 and 18

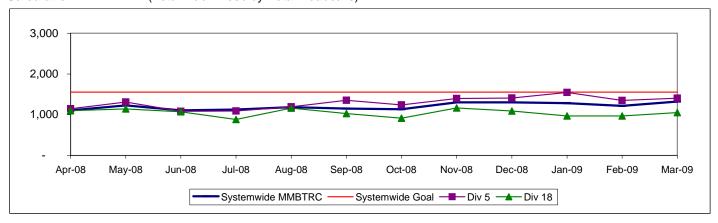
Definition: Average Hub Miles traveled between mechanical problems that result in a bus exchange.

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



# MEAN MILES BETWEEN TOTAL ROADCALLS Systemwide and Divisions 5 and 18

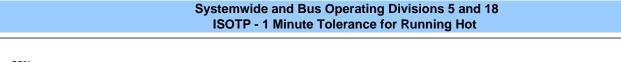
**Definition:** Average Hub Miles traveled between total roadcalls. **Calculation:** MMBMF = (Total Hub Miles / by Total Roadcalls)

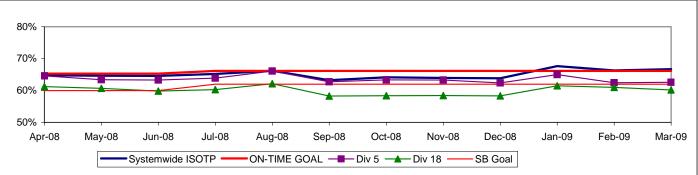


### **IN-SERVICE ON-TIME PERFORMANCE**

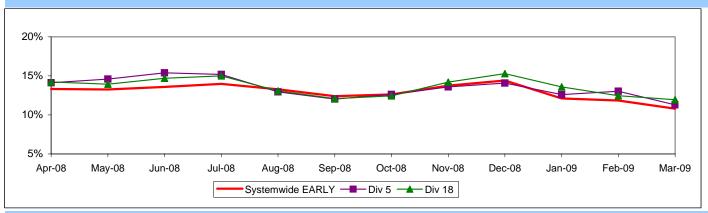
**Definition:** This performance indicator measures the percentage of scheduled buses that depart selected time points no more than 1 minute early and no more than five minutes later than scheduled. (Excludes Rapid buses)

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





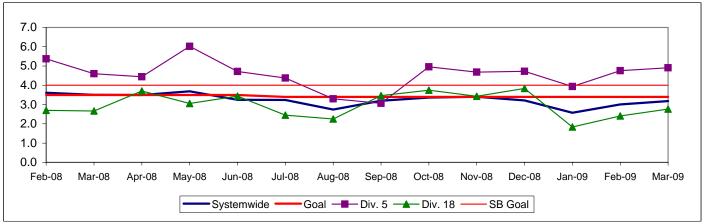
# Running Hot - Systemwide and Bus Operating Divisions 5 and 18



# **BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES**Systemwide and Bus Operating Divisions 5 and 18

**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))

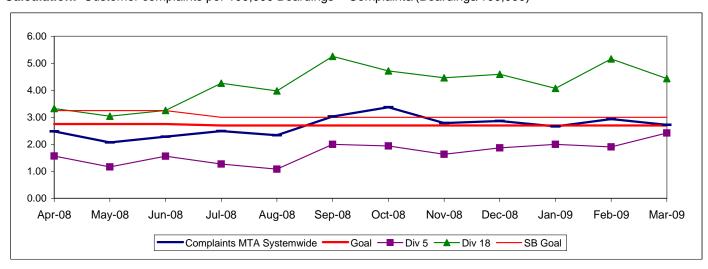


NOTE: Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

# COMPLAINTS PER 100,000 BOARDINGS Systemwide and Bus Operating Divisions 5 and 18

**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)

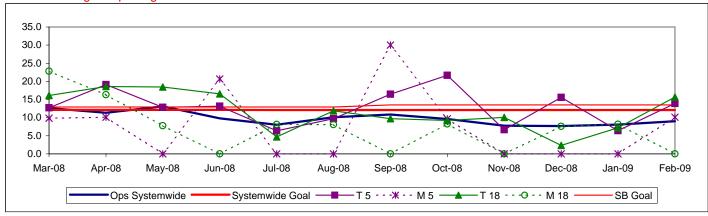


# NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 5 and 18

**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.

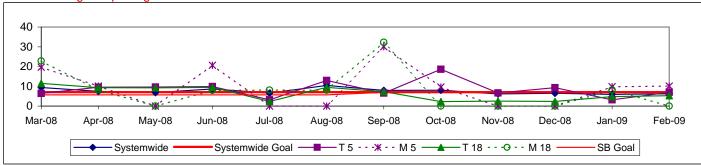


# OSHA INJURIES FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 5 and 18

**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.

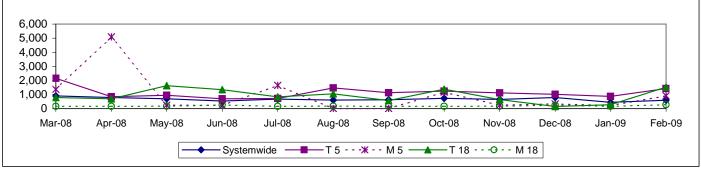


# NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 5 and 18

**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.



### Westside/Central Sector Scorecard Overview (WC)

This sector has three Metro operating divisions, Division 6 in Venice, Division 7 in West Hollywood, and Division 10 in Los Angeles, near the Gateway building. The sector will be responsible for the operation of approximately 575 Metro buses and 21 Metro Bus lines carrying nearly 88.8 million boarding passengers each year.

This report gives a brief overview of sector 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
- \* Complaints per 100,000 Boardings
- \* New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours

Measurement	FY04	FY05	FY06	FY07	FY08	FY09 Target	FY09 YTD	Mar. Month	Status
Bus Systemwide									
Mean Miles Between Mechanical Failures Requiring Bus Exchange. (MMBMF) No. of unaddressed road calls			3,274	3,532 1,116*	3,137 824	3,500	3,138 303	3,150 17	<b>\langle</b>
Mean Miles Between Total Road Calls (MMBTRC)				1,245	1,137	1,556	1,220	1,324	<b>\rightarrow</b>
In-Service On-time Performance	65.43%	66.50%	64.35%**	63.77%	64.05%	66.15%	65.23%	66.70%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					3.47	3.40	3.10	3.18	
Complaints per 100,000 Boardings	4.51	3.54	2.41	2.46	2.57	2.70	2.80	2.72	$\Diamond$
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	17.64	13.61	12.27	11.11	11.54	12.10	Feb. YTD 8.90	Feb. 8.99	
WC Sector									
MMBMF			2 400	3,651	3,213	2.500	3,301	3,497	$\Diamond$
No. of unaddressed road calls			3,499	155*	116	3,500	88	4	·
MMBTRC				1,152	1,001	1,439	995	1,106	<u></u>
In-Service On-time Performance	63.31%	63.39%	60.82%	57.59%	56.72%	60.00%	59.75%	63.35%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					4.25	4.00	3.94	3.71	
Complaints per 100,000 Boardings	5.30	4.10	2.53	2.66	2.97	3.00	2.94	2.23	
New Workers' Compensation IndemnityClaims per 200,000 Exposure Hours (1 month lag)	21.52	18.80	14.61	12.99	13.41	13.00	Feb. YTD 7.71	Feb. 0.93	•
Division 6									
MMBMF No. of unaddressed road calls			6,279	4,456 30*	3,756 32	3,500	6,260 9	14,237 1	•
MMBTRC				1,063	899	1,329	1,214	1,269	$\Diamond$
In-Service On-time Performance	60.11%	56.75%	57.20%	53.28%	53.12%	60.00%	54.95%	58.65%	$\Diamond$
Bus Traffic Accidents Per 100,000 Miles					3.86	4.00	3.49	4.68	
Complaints per 100,000 Boardings	6.15	4.47	2.52	2.10	2.70	3.00	3.83	2.86	$\Diamond$
New Workers' Compensation IndemnityClaims per 200,000 Exposure Hours (1 month lag)	21.71	18.23	16.43	15.02	11.77	13.00	Feb. YTD 9.04	Feb. 0	
Division 7									
MMBMF			2.047	3,468	3,327	2.500	3,512	3,597	
No. of unaddressed road calls			2,947	64*	84	3,500	78	3	
MMBTRC				1,118	981	1,397	1,008	1,141	$\diamond$
In-Service On-time Performance	64.59%	64.22%	61.78%	58.01%	57.66%	60.00%	60.30%	64.35%	<u> </u>
Bus Traffic Accidents Per 100,000 Miles					4.10	4.00	4.07	3.13	$\diamond$
Complaints per 100,000 Boardings	5.70	4.24	2.87	2.98	3.00	3.00	2.99	2.56	
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	21.05	19.44	15.76	12.09	13.42	13.00	Feb. YTD 7.87	Feb. 2.25	
Division 10									
MMBMF No. of unaddressed road calls			3,723	3,702 61*	3,028 0	3,500	2,892 1	3,,090 0	<u> </u>
MMBTRC				1,197	1,044	1,496	951	1,059	$\stackrel{\diamond}{\longrightarrow}$
In-Service On-time Performance	62.85%	64.14%	60.73%	58.61%	56.63%	60.00%	60.04%	62.88%	
Bus Traffic Accidents Per 100,000 Miles					4.47	4.00	3.91	4.09	
Complaints per 100,000 Boardings	4.85	3.92	2.23	2.48	2.99	3.00	2.76	1.86	
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	22.90	3.74 114	3.80 1	14.02	14.74	13.00	Feb. YTD 7.86	Feb. 0	

\*Jan - June '07 \*\*Div 15 Nov. '05 data excluded & Dec. Data after shake-up used.

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).

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

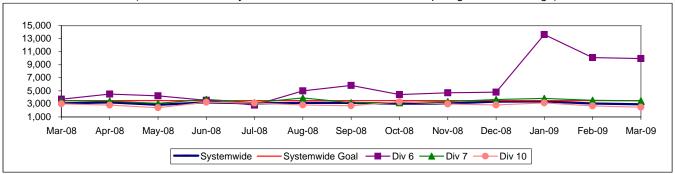
Red - High probability that the target will not be achieved -- significant problems and/or delays.

#### WESTSIDE / CENTRAL SECTOR BUS SERVICE PERFORMANCE

# MEAN MILES BETWEEN MECHANICAL FAILURES REQUIRING BUS EXCHANGE Systemwide and Divisions 6, 7 and 10

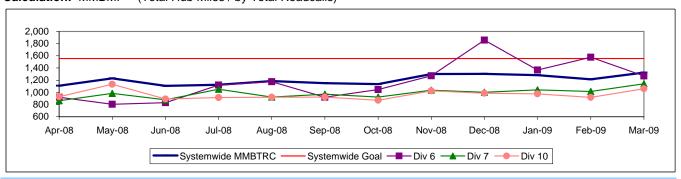
Definition: Average Hub Miles traveled between mechanical problems that result in a bus exchange.

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



### MEAN MILES BETWEEN TOTAL ROAD CALLS Systemwide and Divisions 6, 7 and 10

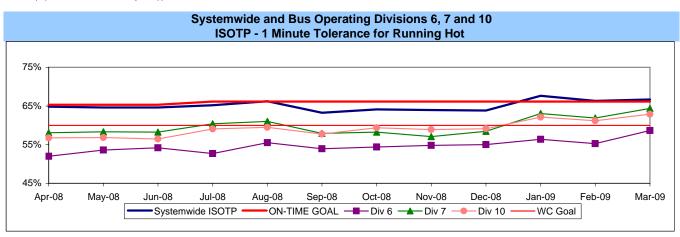
**Definition:** Average Hub Miles traveled between total road calls. **Calculation:** MMBMF = (Total Hub Miles / by Total Roadcalls)

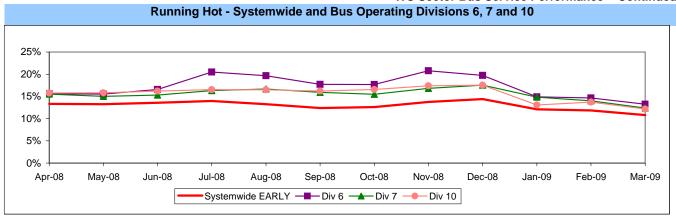


#### **IN-SERVICE ON-TIME PERFORMANCE**

**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. (Excludes Rapid buses)

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

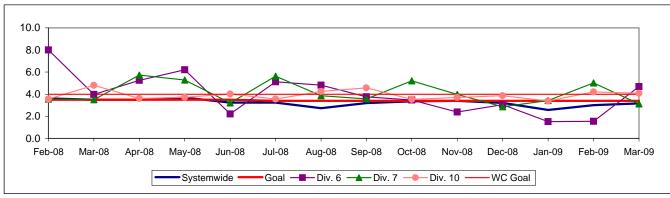




# BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES Systemwide and Bus Operating Divisions 6, 7 and 10

**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))

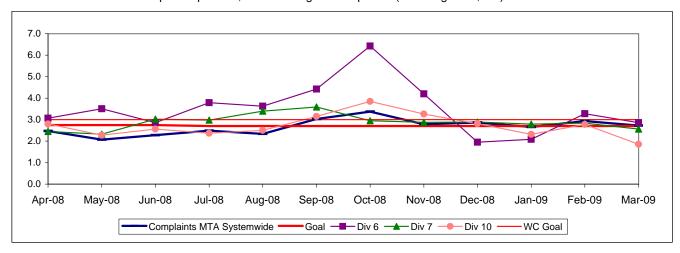


NOTE: Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

# COMPLAINTS PER 100,000 BOARDINGS Systemwide and Bus Operating Divisions 6, 7 and 10

**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)

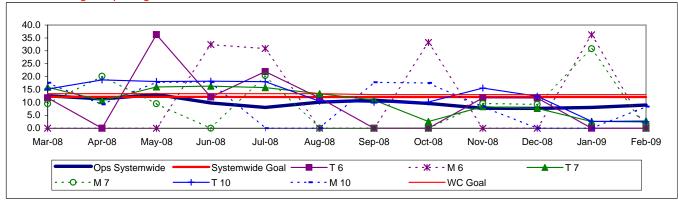


# NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 6, 7 and 10

**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)

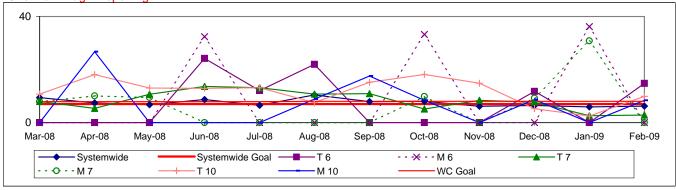
One month lag in reporting.



# OSHA INJURIES FILED PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 6, 7 and 10

**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.

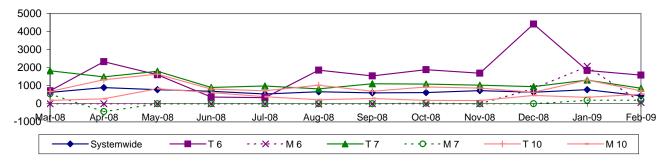


# NUMBER OF LOST WORK DAYS PAID PER 200,000 EXPOSURE HOURS Systemwide and Bus Operating Divisions 6, 7 and 10

**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)





### **Metro Rail Scorecard Overview**

Metro Rail operates one heavy rail line, Metro Red Line from Union Station to North Hollywood and three light rail lines, Metro Blue Line from downtown to Long Beach, Metro Green Line along the 105 freeway and Metro Gold Line to Pasadena. Metro Rail is responsible for the operation of approximately 104 heavy rail cars and 121 light rail cars carrying nearly 5.8 million boarding passengers each year.

This report gives a brief overview of sector operations':

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

						FY09	FY09	Mar.	
Measurement	FY04	FY05	FY06	FY07	FY08	Target	YTD	Month	Status
New Workers' Compensation Indemnity Claims per 200,000 Exposure Hours (1 month lag)	11.59	9.32	11.56	8.08	11.24	10.00	Feb. YTD 5.68	Feb. 5.62	
Metro Red Line (MRL)									
On-Time Pullouts	99.71%	99.94%	99.61%	99.76%	99.79%	99.00%	99.95%	100%	
Mean Miles Between Chargeable Mechanical Failures	12,793	11,759	19,587	17,260	26,743	25,000	38,847	66,329	
In-Service On-time Performance*					99.13%	99.00%	99.35%	99.55%	
Traffic Accidents Per 100,000 Train Miles	0	0.22	0.22	0	0.30	0.14	0.10	0.00	
Complaints per 100,000 Boardings	1.17	1.13	0.66	0.41	0.50	0.50	0.40	0.29	
Metro Blue Line (MBL)									
On-Time Pullouts	99.94%	99.73%	99.76%	99.72%	99.62%	99.00%	99.73%	100.0%	
Mean Miles Between Chargeable Mechanical Failures	10,365	16,273	26,774	35,125	31,278	25,000	30,480	99,096	<b>O</b>
In-Service On-time Performance*					98.81%	99.00%	98.41%	98.25%	$\Diamond$
Traffic Accidents Per 100,000 Train Miles	1.36	0.64	0.96	1.35	1.65	0.50	1.36	1.44	$\Diamond$
Complaints per 100,000 Boardings	0.97	0.98	0.78	0.53	0.64	0.73	0.56	0.30	
Metro Green Line (MGrL)									
On-Time Pullouts	99.78%	99.91%	99.97%	99.54%	99.80%	99.00%	99.93%	100%	
Mean Miles Between Chargeable Mechanical Failures	11,337	12,558	20,635	27,471	36,727	25,000	18,937	36,728	<b>\rightarrow</b>
In-Service On-time Performance*					99.07%	99.00%	98.89%	99.46%	$\Diamond$
Traffic Accidents Per 100,000 Train Miles	0.08	0.00	0	0	0.00	0.50	0.00	0.00	
Complaints per 100,000 Boardings	1.37	1.39	0.92	0.72	0.81	0.73	0.95	0.58	$\Diamond$
Metro Gold Line (MGoL)									
On-Time Pullouts	100%	99.85%	99.97%	99.95%	99.95%	99.00%	99.97%	100%	
Mean Miles Between Chargeable Mechanical Failures	8,938	16,571	23,329	22,775	39,521	25,000	24,609	30,433	<b>\rightarrow</b>
In-Service On-time Performance*					98.86%	99.00%	99.44%	99.44%	
Traffic Accidents Per 100.000 Train Miles	0.25	0.23	0.12	0.23	0.43	0.50	0.14	0.00	
Traffic Accidents Fel 100,000 Traffi Willes	0.20	0.20		0.20	<u> </u>	0.00			

<sup>\*</sup>Effective December, ISOTP calculated differently.

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

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

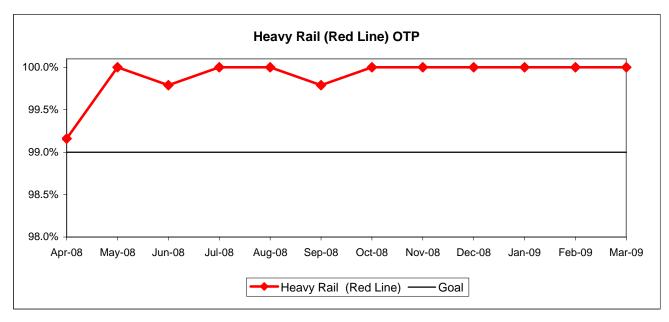
Red - High probability that the target will not be achieved -- significant problems and/or delays.

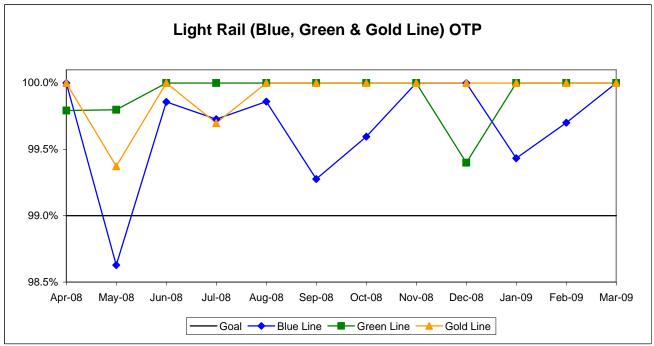
# RAIL SERVICE PERFORMANCE

# **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)]

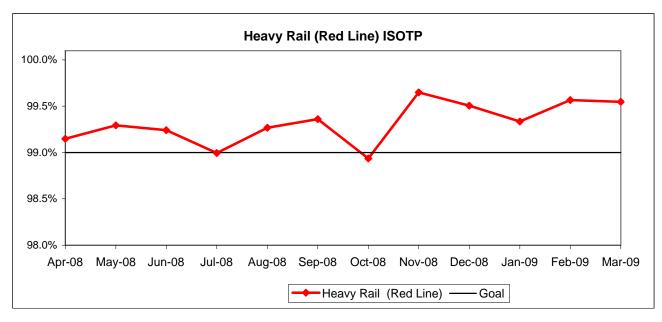


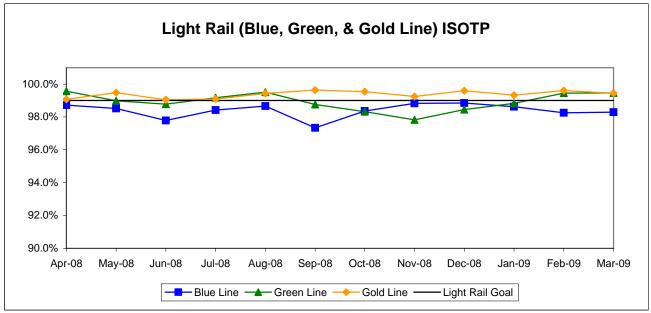


# **IN-SERVICE ON-TIME PERFORMANCE (ISOTP)**

**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)]

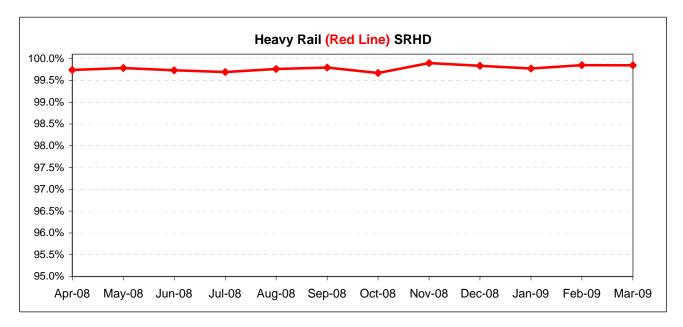


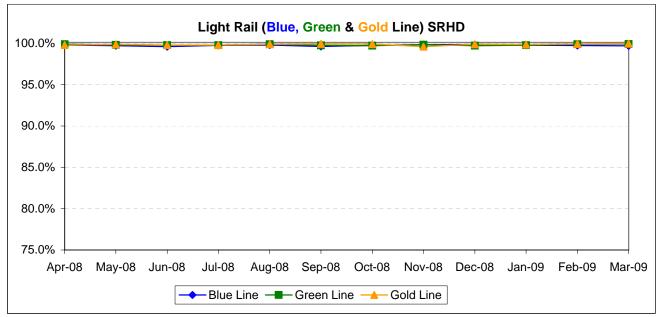


# Scheduled Revenue Hours Delivered (SRHD) by Rail Line

**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))

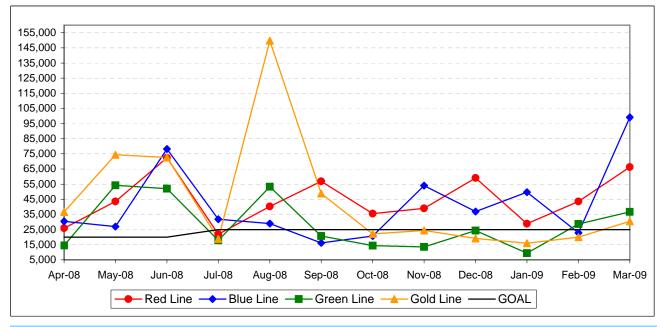




#### Mean Miles Between Chargeable Mechanical Failures

**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.



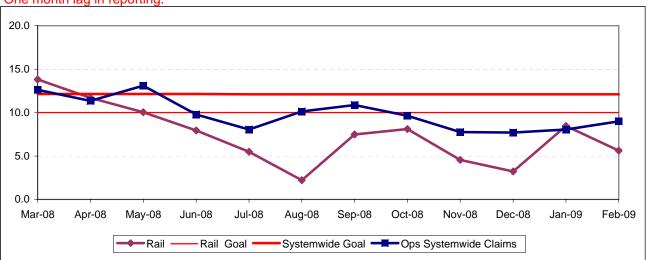


### NEW WORKERS' COMPENSATION INDEMNITY CLAIMS FILED PER 200,000 EXPOSURE HOURS

**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.



### **BUS SERVICE PERFORMANCE**

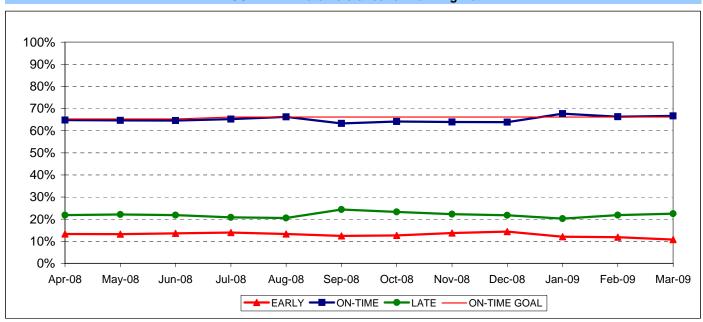
### **IN-SERVICE ON-TIME PERFORMANCE**

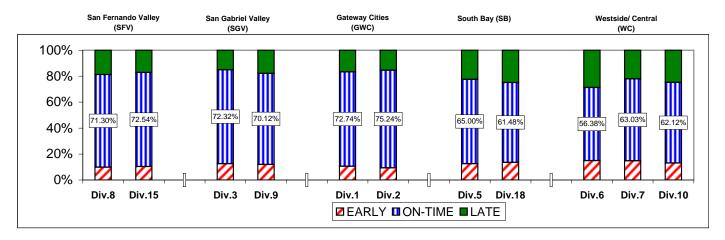
**Definition:** This performance indicator measures the percentage of scheduled buses that depart selected time points no more than 1 minute early and no more than five minutes later than scheduled. (Excludes Rapid buses)

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

#### **Systemwide Trend**

# Bus Operating Divisions ISOTP - 1 Minute Tolerance for Running Hot





# **ISOTP By Sectors' Divisions**

# Year-to-Date Compared To Last Year

			i cai-t	U-Date Coi
		FY08	FY09-YTD	Variance
San Fernando Va	alley	Sector (SF	:V)	
Division 8				
	Early	11.24%	10.06%	-1.18%
On-	Time	68.50%	68.89%	0.39%
	Late	20.26%	21.05%	0.79%
Division 15				
	Early	11.26%	11.12%	-0.14%
On-	Time	66.85%	67.80%	0.95%
	Late	21.88%	21.08%	-0.81%
Gateway Cities S	Secto	r (GWC)		
Division 1				
	Early	12.77%	11.98%	-0.79%
On-	Time	67.55%	70.07%	2.52%
	Late	19.69%	17.95%	-1.74%
Division 2				
	Early	11.94%	10.86%	-1.07%
On-	Time	68.60%	71.78%	3.18%
	Late	19.47%	17.36%	-2.11%
South Bay Sector	r (SE	3)		
Division 5				
	Early	14.08%	13.26%	-0.82%
On-	Time	63.35%	63.67%	0.32%
	Late	22.57%	23.08%	0.50%
Division 18		<u> </u>		
	Early	14.42%	13.51%	-0.91%
On-	Time	60.88%	59.77%	-1.11%
	Late	24.70%	26.72%	2.02%

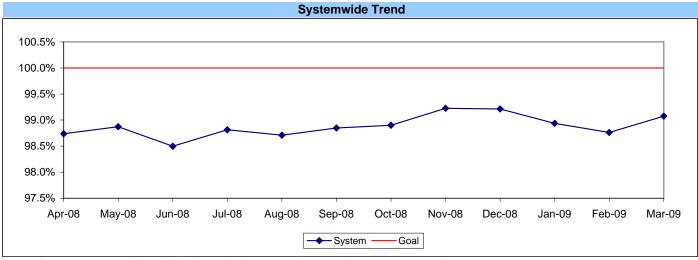
ast rear										
	FY08	FY09-YTD	Variance							
San Gabri	el Valley Sed	ctor (SGV)								
Division 3										
Early	15.37%	13.61%	-1.75%							
On-Time	66.83%	68.86%	2.04%							
Late	17.81%	17.52%	-0.28%							
Division 9										
Early	12.92%	11.84%	-1.08%							
On-Time	66.84%	69.03%	2.19%							
Late	20.24%	19.13%	-1.11%							
Westside/	Westside/Central Sector (WC)									
Division 6										
Early	16.78%	18.53%	1.75%							
On-Time	53.12%	54.60%	1.48%							
Late	30.10%	26.87%	-3.23%							
Division 7										
Early	14.80%	15.95%	1.15%							
On-Time	57.66%	59.76%	2.10%							
Late	27.54%	24.29%	-3.25%							
Division 10										
Early	16.30%	15.92%	-0.38%							
On-Time	56.63%	59.65%	3.02%							
Late	27.07%	24.43%	-2.64%							

SYSTEMWI	DE		
Early	13.55%	13.05%	-0.50%
On-Time	64.05%	65.05%	1.00%
Late	22.40%	21.90%	-0.50%

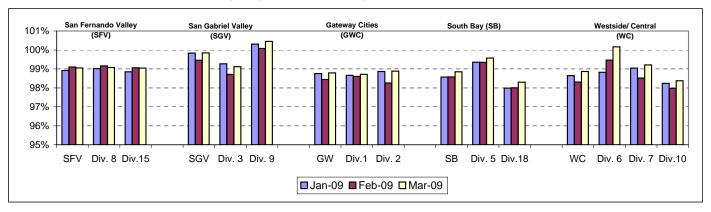
#### **ACTUAL TO SCHEDULED REVENUE HOURS DELIVERED\***

**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.



\* Used Scheduled Hours delivered in FY05. Beginning July 2005, calculating the Actual RH to Scheduled Revenue Hours.

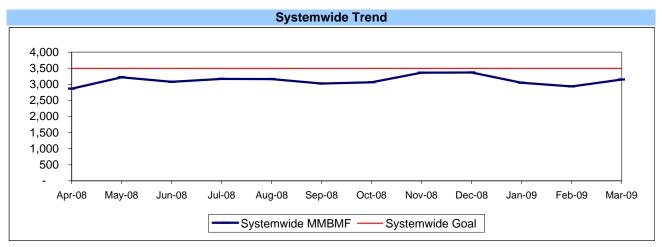


### **BUS MAINTENANCE PERFORMANCE**

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

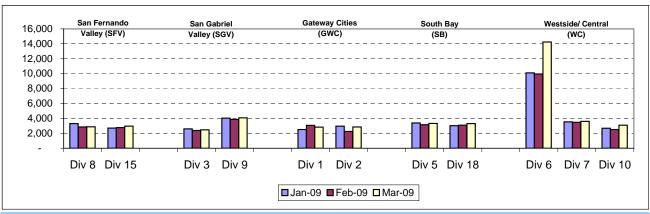
Definition: Average Hub Miles traveled between mechanical problems that result in a bus exchange.

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



<sup>\*</sup> New Indicator.

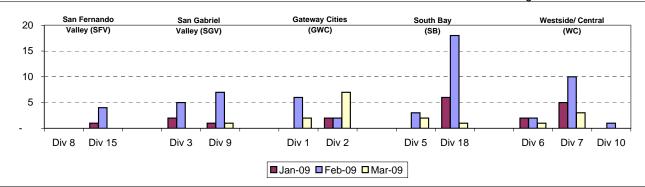
# MMBMBF -- Bus Operating Sector Divisions January - March 2009



# Unaddressed Road Calls -- Bus Operating Sector Divisions\* January - March 2009

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

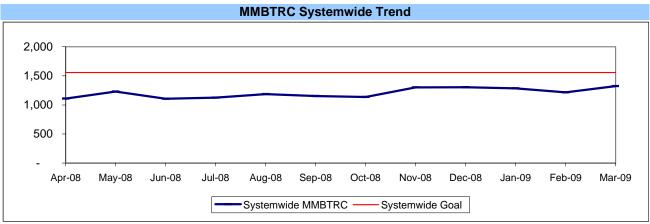
**Calculation:** Unaddressed Road Calls = Total number of road calls that have not been assigned.



<sup>\*</sup> New Indicator.

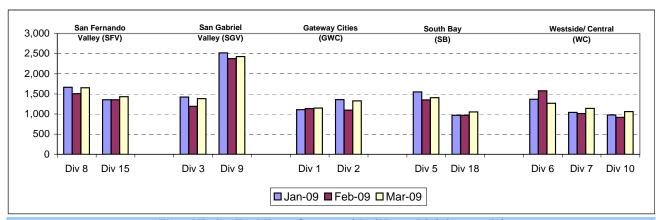
### MEAN MILES BETWEEN TOTAL ROAD CALLS (MMBTRC)\*

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



<sup>\*</sup> New Indicator.

# MMBTRC --Bus Operating Sector Divisions January - March 2009



Fleet Mix by Fuel Type Systemwide (Metro Divisions only)

	Number of Buses	Percent of Buses
CNG	2,480	91.95%
Hybrid	6	0.22%
Diesel	118	4.38%
Gasoline	59	2.19%
Propane	34	1.26%
Total	2,697	100.00%

### Average Age of Fleet by Sectors' Divisions

;	SFV SGV			G	SWC	SB		
Div 8	Div 15	Div 3	Div 9	Div 1	Div 2	Div 5	Div 18	
10.0	7.9	7.9	7.1	7.0	7.2	6.9	8.2	

	WC	
Div 6	Div 7	Div 10
9.6	7.6	6.7

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

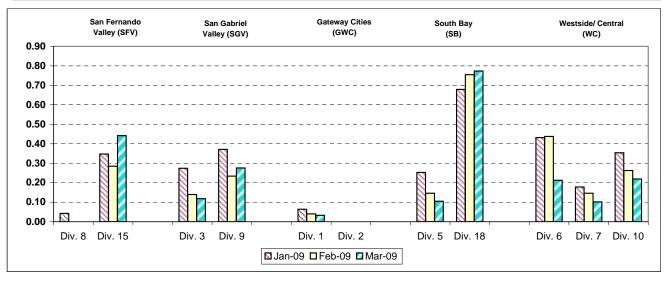
**Definition:** Average past due critical scheduled preventive maintenance jobs per bus. This indicator measures maintenance management's ability to prioritize and perform critical repairs and indicates the general maintenance condition of the fleet.

Calculation: Past Due Critical PMP's = (Total Past Due Critical PMP's / by Buses)



Note: Since July 2004, three sectors, San Fernando Valley, San Gabriel Valley and Gateway Cities, have had their six divisions (Divisions 8, 15, 3, 9, 1 and 2) 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 PMs - by Sectors' Divisions January - March 2009

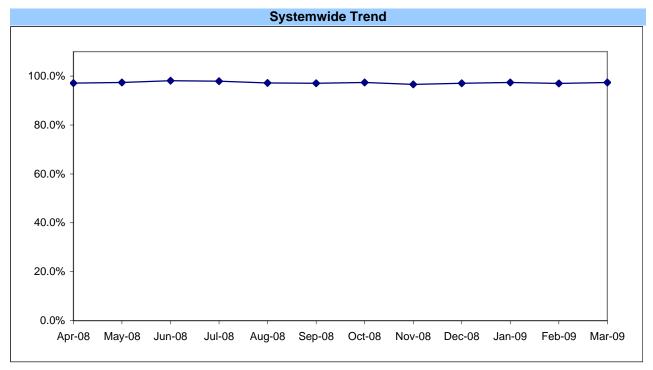


# **ATTENDANCE**

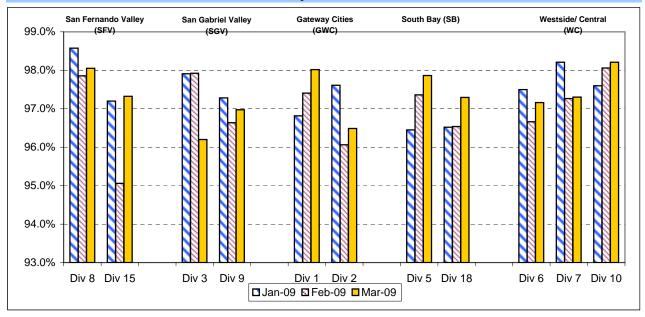
### **MAINTENANCE ATTENDANCE**

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

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



# Maintenance Attendance - By Sectors' Divisions (By Current Month) January - March 2009



# SAFETY PERFORMANCE

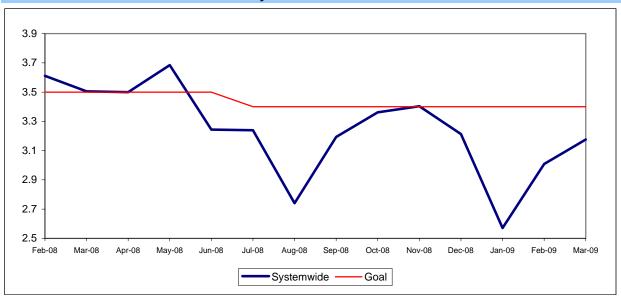
# **BUS TRAFFIC ACCIDENTS PER 100,000 HUB MILES**

**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))

NOTE: As of Aug. '07, Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

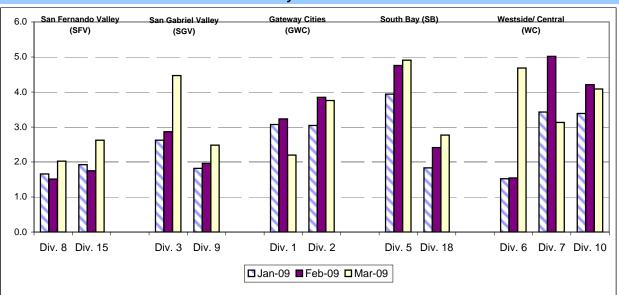
#### **Systemwide Trend**



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.

NOTE: As of Aug. '07, Accident code 482 (alleged accidents) has been excluded from "Accidents per 100,000 Hub Miles" calculation per management decision.

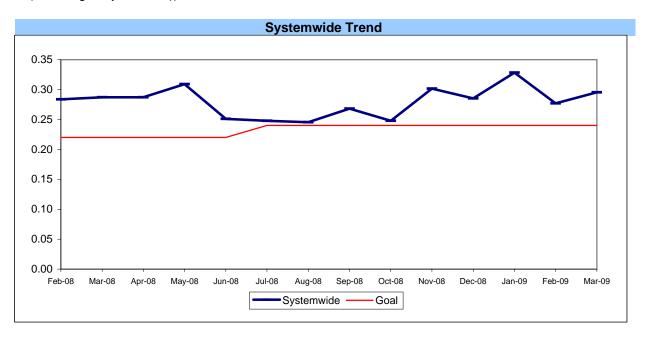
# Bus Operating Divisions - by Sectors' Divisions Janaury - March 2009



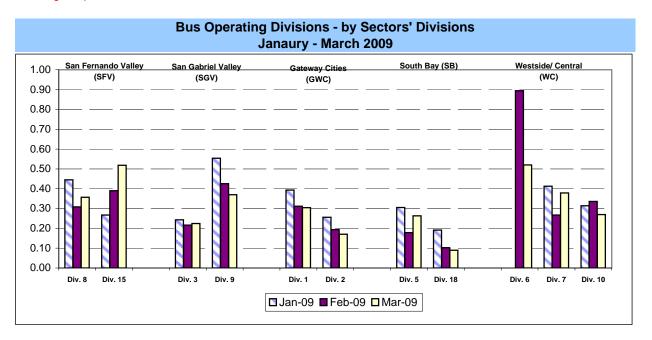
### **BUS PASSENGER ACCIDENTS PER 100,000 BOARDINGS**

**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 Pasengers Accidents / by (Boardings / by 100,000))



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.



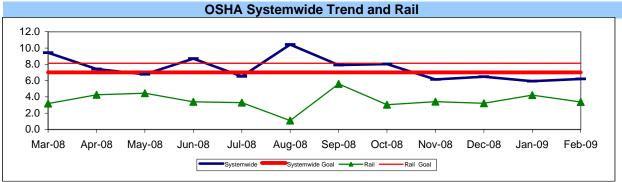
### **Safety Performance Continued**

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

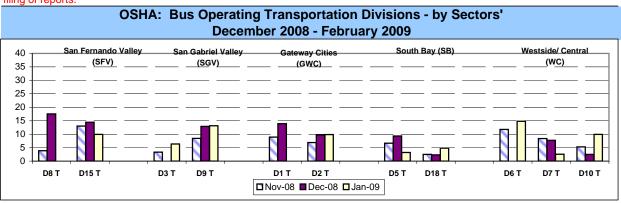
**Definition:** Work-related injuries and illnesses that result in: death, loss of consciousness, days away from work, restricted work activity or job transfer, or medical treatment beyond first aid.

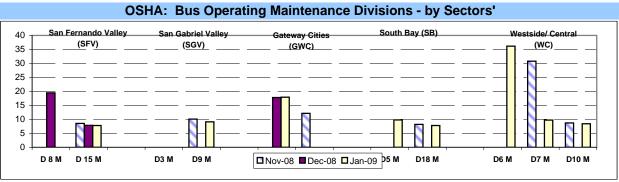
Calculation: Number of OSHA Injuries/Illnesses Filed / (Exposure Hours / 200,000)

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.



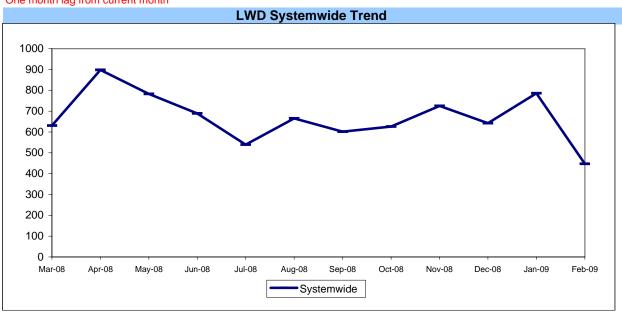


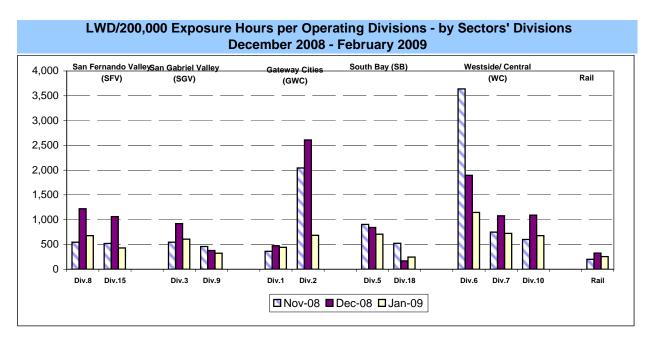
# LOST WORK DAYS (LWD) PAID PER 200,000 EXPOSURE HOURS

**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

One month lag from current month

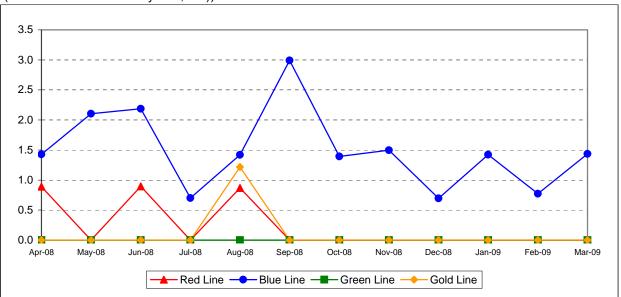




# RAIL ACCIDENTS PER 100,000 REVENUE TRAIN MILES (PUC Reportable)

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

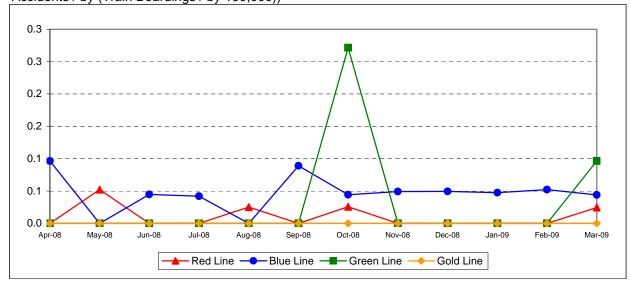
**Calculation:** Rail Accidents Per 100,000 Revenue Train Miles = (The number of Rail Accidents / by (Revenue Train Miles / by 100,000))



# 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))

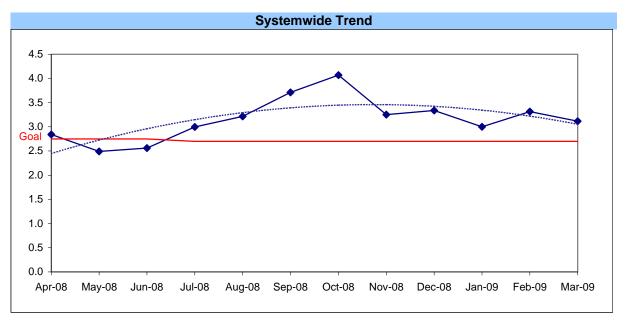


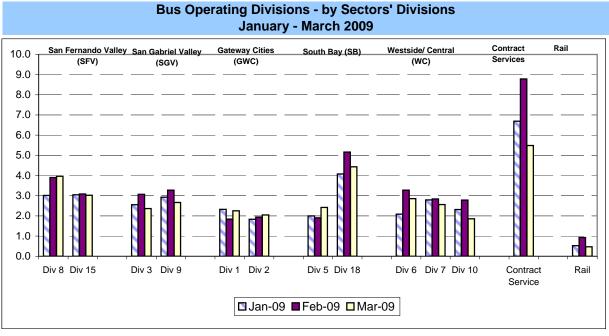
# **CUSTOMER SATISFACTION**

# **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)





# **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)



One month lag from current month

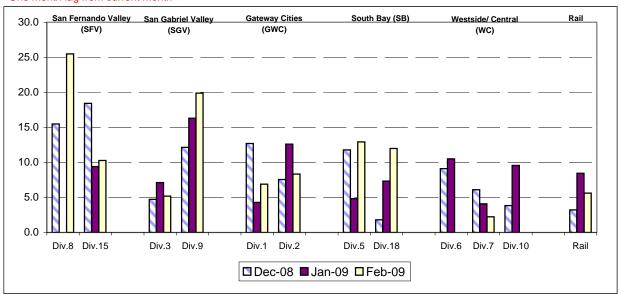
### NEW CLAIMS PER 200,000 EXPOSURE HOURS-MONTH BY BUS SECTORS' DIVISION & RAIL

**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)

# Bus & Rail - by Bus Sectors' Divisions and Rail December 2008 - February 2009

One month lag from current month



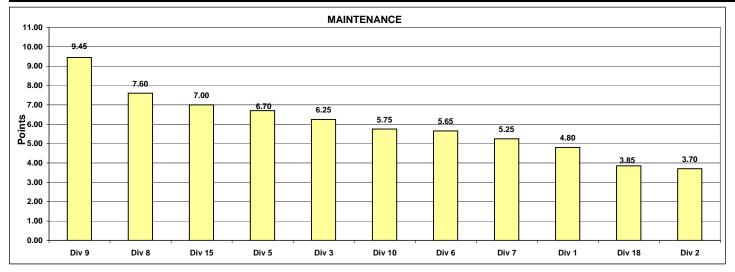
### "HOW YOU DOIN'?" PERFORMANCE INCENTIVE PROGRAM

### Monthly Calculations - March 2009 Metro Bus - Maintenance

**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.

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	50%	1146.8	1327.9	1382.4	1405.3	1268.7	1140.9	1653.0	2429.7	1059.0	1431.0	1051.5
Points		4	6	7	8	5	3	10	11	2	9	1
Attendance	20%	0.98323	0.96943	0.96779	0.98499	0.97324	0.97563	0.98623	0.97914	0.98688	0.97469	0.97368
Points		8	2	1	9	3	6	10	7	11	5	2
New WC Claims /200,000												
Exp Hrs*	30%	9.4327	12.1846	0.0000	10.0954	0.0000	0.0000	10.6552	0.0000	0.0000	8.5973	0.0000
Points		4	1	8.5	3	8.5	8.5	2	8.5	8.5	5	8.5
*One month lag												
Totals		4.80	3.70	6.25	6.70	5.65	5.25	7.60	9.45	5.75	7.00	3.85
FINAL		Maintenance Division Ranking (Sorted)										
RANKING	DIV.	Div 9	Div 8	Div 15	Div 5	Div 3	Div 10	Div 6	Div 7	Div 1	Div 18	Div 2
	Score	9.45	7.60	7.00	6.70	6.25	5.75	5.65	5.25	4.80	3.85	3.70
	Rank	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th

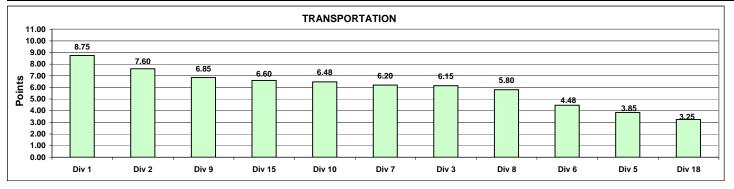


# Monthly Calculations - March 2009 Metro Bus - Transportation

**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.

					Transporta	tion						
	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%	0.7291	0.7415	0.6964	0.6259	0.5865	0.6435	0.6837	0.7094	0.6288	0.7028	0.6020
Points		10	11	7	3	1	5	6	9	4	8	2
Miles Between Total Road												
Calls	10%	1146.8375	1327.8734	1382.4492	1405.2986	1268.6723	1140.8926	1653.0140	2429.7060	1059.0439	1431.0032	1051.5034
Points		4	6	7	8	5	3	10	11	2	9	1
Accident Rate	25%	2.1982	3.7576	4.4669	4.9075	4.6825	3.1304	2.0250	2.4794	4.0862	2.6229	2.7673
Points	23 /0	10	5.7376	3	1	4.0023	5.1304	11	9	4.0002	8	7
Complaints/100K												
Boardings	15%	2.2529	2.0454	2.3598	2.4199	2.8585	2.5609	3.9655	2.6610	1.8577	3.0181	4.4323
Points		9	10	8	7	4	6	2	5	11	3	1
New WC Claims /200,000												
Exp Hrs*	25%	6.0854	7.2083	6.8772	13.8817	0.0000	2.8408	30.8588	25.7239	0.0000	10.7974	15.6798
Points *One month lag		8	6	7	4	11	9	1	2	11	5	3
Totals		8.75	7.60	6.15	3.85	4.48	6.20	5.80	6.85	6.48	6.60	3.25
FINAL					Transporta	tion Divisio	n Ranking (	Sorted)				
RANKING	DIV.	Div 1	Div 2	Div 9	Div 15	Div 10	Div 7	Div 3	Div 8	Div 6	Div 5	Div 18
	Score	8.75	7.60	6.85	6.60	6.48	6.20	6.15	5.80	4.48	3.85	3.25
	Rank	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th

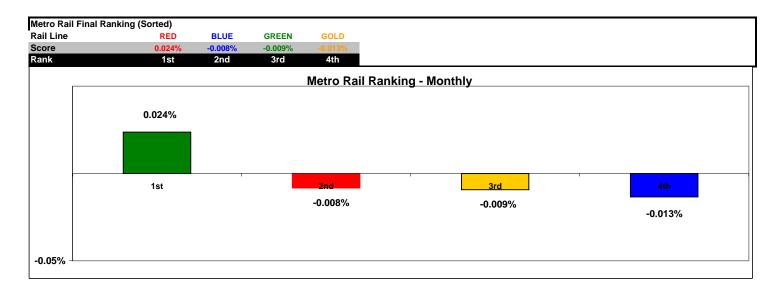


### Monthly Calculations Metro Rail

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

**Calculation:** Performance indicators are ranked from best to worst. Performance percentages for various indicators are averaged and outcomes are are sorted from high to low. The rail line competes with itself on its own improvement over prior year performance. The percentage score showing best improvement (or least decline) wins the program award for the month.

Metro Blue Line		Me	Metro Red Line			Metro Green Line			Metro Gold Line			
Wayside Availability	Mar-08	Mar-09	Yearly Improvement									
Track	100.00%	100.00%	0.00%	99.98%	100.00%	0.02%	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%
Signals	100.00%	99.92%	-0.08%	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%	99.97%	100.00%	0.03%
Power_	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%	100.00%	99.99%	-0.01%	99.96%	99.90%	-0.06%
Wayside Performance	100.00%	99.97%	-0.03%	99.99%	100.00%	0.01%	100.00%	100.00%	0.00%	99.98%	99.97%	-0.01%
Vehicle Availability Vehicle Performance	99.87%	99.93%	0.06%	99.79%	99.91%	0.12%	99.91%	99.92%	0.01%	99.93%	99.95%	0.02%
Operator Availability Operators	99.99%	99.99%	0.00%	99.97%	99.99%	0.02%	99.98%	100.00%	0.02%	99.99%	100.00%	0.01%
In-Service Performance Rev. Hr. Delivered - Rail	99.99%	99.92%	-0.07%	99.95%	99.90%	-0.05%	99.98%	99.91%	-0.06%	99.92%	99.85%	-0.07%
otal Rail Line Performance	99.96%	99.95%	-0.008%	99.93%	99.95%	0.024%	99.97%	99.96%	-0.01%	99.95%	99.94%	-0.01%



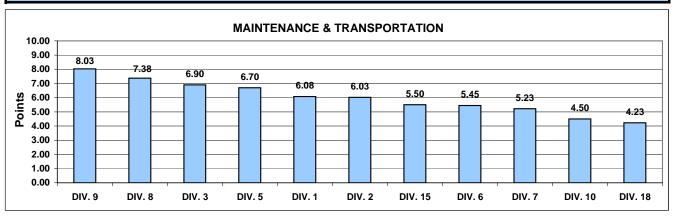
### "HOW YOU DOIN'?" PERFORMANCE INCENTIVE PROGRAM

# Quarterly Calculations: FY09-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.

Maintenance and Transportation												
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%	1130	1255	1330	1432	1393	1065	1607	2441	983	1380	996
Points		4	5	6	9	8	3	10	11	1	7	2
Attendance	10.0%	0.9800	0.9715	0.9773	0.9792	0.9745	0.9786	0.9844	0.9776	0.9831	0.9684	0.9703
Points		9	3	5	8	4	7	11	6	10	1	2
Claims /200000												
Exp.Hrs	15.0%	12.1167	3.8019	0.0000	3.2855	12.5968	3.3323	6.6261	0.0000	8.5550	10.7385	2.6826
Points		2	6	10.5	8	1	7	5	10.5	4	3	9
*One month Lag: Dec 0	8 - Feb 09											
Transportation												
In-Service On-Time												
Performance	12.5%	0.7260	0.7411	0.7065	0.6341	0.5685	0.6313	0.6956	0.7058	0.6209	0.7148	0.6088
Points		10	11	8	5	1	4	6	7	3	9	2
Miles Between Total												
Road Calls	5.0%	1130.4	1255.0	1329.5	1432.1	1393.4	1065.0	1607.3	2440.8	983.3	1380.4	996.0
Points		4	5	6	9	8	3	10	11	1	7	2
Accidents/100k Hub												
Miles	12.5%	2.8199	3.5427	3.3351	4.5289	2.5724	3.8200	1.7379	2.0914	3.8849	2.1116	2.3342
Points		6	4	5	1	7	3	11	10	2	9	8
Complaints/100K												
Boardings	7.5%	2.1466	1.9390	2.6434	2.1181	2.7451	2.7238	3.6353	2.9404	2.2975	3.0463	4.5405
Points		9	11	7	10	5	6	2	4	8	3	1
*One month Lag: Dec 0	8 - Feb 09											
Claims /200000												
Exp.Hrs	12.5%	6.7077	11.2297	7.5508	11.9206	9.2435	10.6353	16.9656	12.5093	6.7957	15.1500	3.2583
Points		10	5	8	4	7	6	1	3	9	2	11
Totals		6.08	6.15	6.90	6.70	5.45	5.23	7.38	8.03	4.50	5.50	4.23
FINAL			M	aintenand	ce and Tr	ansportat	ion Divisi	on Rankir	ng (Sorte	d)		
RANKING	DIV.	DIV. 9	DIV. 8	DIV. 3	DIV. 5	DIV. 1	DIV. 2	DIV. 15	DIV. 6	DIV. 7	DIV. 10	DIV. 18
	Score	8.03	7.38	6.90	6.70	6.08	6.03	5.50	5.45	5.23	4.50	4.23
	Rank	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th



# Quarterly Calculations: FY09-Q3 Metro Rail

**Definition:** A performance awareness program designed to increase productivity and efficiency. Based on monthly "IN-SERVICE" Performance as reported by RAIL OPERATIONS CONTROL.

**Calculation:** Performance indicator uses Revenue Service Hours Lost due to the associated Rail Operating Problems not including the Revenue Service Hours Lost due to accidents, police, or health problems. Performance percentages for various indicators are averaged and outcomes are are sorted from high to low. The rail line competes with itself on its own improvement over prior year performance. The percentage score showing best improvement (or least decline) wins the program award for the quarter.

### Improvement from Previous Year

Overall Rail Line	Metro Blue Line	Metro Red Line	Metro Green Line	Metro Gold Line
Performance Jan-09	0.05%	-0.04%	-0.06%	-0.04%
Feb-09	-0.04%	0.00%	0.01%	-0.01%
1 65-03	-0.0476	0.0076	0.0176	-0.0178
Mar-09	-0.01%	0.02%	-0.01%	-0.01%
Quarter Average	0.00%	-0.01%	-0.02%	-0.02%

#### Metro Rail Final Ranking (Sorted)

