



**Customer Services, Operations, and Safety Committee**

**Board Information Item IV-B**

**September 11, 2008**

## **Safety Performance Indicators**

Washington Metropolitan Area Transit Authority  
**Board Action/Information Summary**

<input type="checkbox"/> Action <input checked="" type="checkbox"/> Information	MEAD Number:	Resolution: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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**TITLE:**

Safety Performance Indicators

**PURPOSE:**

To provide the Committee with monthly safety performance measures for FY08.

**DESCRIPTION:**

The information contains the safety performance data that occurred during the first 12 months of FY08 in the areas of derailments, fires, rail/bus passenger injuries, employee injuries and construction injuries.

**FUNDING IMPACT:**

No impact on funding.

**RECOMMENDATION:**

None



# Safety Performance Indicators Report FY08

*Presented to the Board of Directors:*

**Customer Service, Operations, and Safety  
Committee**

September 11, 2008





## June Rail Safety Performance Indicators

Category	June		June Variance
	FY07	FY08	
Rail Passenger Injuries (on board)	12	14	2
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	18	15	-3
Rail Injury Rate	0.08	0.09	
Escalator Injuries	19	13	-6
Rail Collisions	0	0	0
Derailments (Main Line)	0	1	
Fire Incidents	6	8	2
Smoke Incidents	16	10	-6

- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$
- N = Number of injuries requiring immediate transportation from the accident scene to a medical facility



## FY Rail Safety Performance Indicators

Category	FY07	FY08	Variance
Rail Passenger Injuries (on board)	188	109	-79
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	338	212	-126
Rail Injury Rate	0.13	0.08	
Escalator Injuries	296	140	-156
Rail Collisions	0	0	0
Derailments (Main Line)	1	1	
Fire Incidents	91	48	-43
Smoke Incidents	125	100	-25

- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$
- N = Number of injuries requiring immediate transportation from the accident scene to a medical facility



## June Bus Safety Performance Indicators

Category	June		June Variance
	FY07	FY08	
Bus Passenger Injuries	13	3	-10
Preventable Bus Collision Rate	1.60	1.06	
Non-Preventable Bus Collision Rate	4.83	2.14	
Bus Passenger Injury Rate	0.36	0.09	

- Preventable Accident – an accident which occurred because the employee failed to do everything reasonably expected of a trained professional to avoid involvement in an accident
- Non-Preventable Accident – an accident which occurs despite every reasonable action by the employee to avoid involvement in an accident.
- Bus Collision Rate =  $N \times 1,000,000 / \text{Passenger Miles}$
- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$



## FY Bus Safety Performance Indicators

Category	FY07	FY08	Variance
Bus Passenger Injuries	435	348	-87
Preventable Bus Collision Rate	2.17	1.93	
Non-Preventable Bus Collision Rate	3.49	3.38	
Bus Passenger Injury Rate	1.03	0.84	

- Preventable Accident – an accident which occurred because the employee failed to do everything reasonably expected of a trained professional to avoid involvement in an accident.
- Non-Preventable Accident – an accident which occurs despite every reasonable action by the employee to avoid involvement in an accident.
- Bus Collision Rate =  $N \times 1,000,000 / \text{Passenger Miles}$
- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$