



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

**Board Information Item V-B**

**October 2, 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 FY09.

**DESCRIPTION:**

The information contains the safety performance data that occurred during FY09 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 FY09

*Presented to the Board of Directors:*

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

October 2, 2008





# July Rail Safety Performance Indicators

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Category	July		July Variance
	FY08	FY09	
Rail Passenger Injuries (on board)	15	8	-7
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	20	16	-4
Rail Passenger Injury Rate	0.10	0.05	
Escalator Injuries	19	11	-8
Rail Collisions	0	0	0
Derailments (Main Line)	1	0	
Fire Incidents	9	6	-3
Smoke Incidents	15	16	1

- 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



## August Rail Safety Performance Indicators

Category	August		August Variance
	FY08	FY09	
Rail Passenger Injuries (on board)	16	3	-13
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	20	8	-12
Rail Passenger Injury Rate	0.11	0.02	
Escalator Injuries	9	9	0
Rail Collisions	0	0	0
Derailments (Main Line)	1	0	
Fire Incidents	10	9	-1
Smoke Incidents	15	11	-4

- 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



## July Bus Safety Performance Indicators

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Category	July		July Variance
	FY08	FY09	
Bus Passenger Injuries	12	12	0
Preventable Bus Collision Rate	20.22	14.34	
Non-Preventable Bus Collision Rate	32.47	30.80	
Bus Passenger Injury Rate	0.34	0.32	

- Preventable Accident – an accident that 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 that occurs despite every reasonable action by the employee to avoid involvement in an accident.
- Bus Collision Rate =  $N \times 1,000,000 / \text{Vehicle Miles}$
- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$



## August Bus Safety Performance Indicators

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Category	August		August Variance
	FY08	FY09	
Bus Passenger Injuries	15	14	-1
Preventable Bus Collision Rate	22.30	15.19	
Non-Preventable Bus Collision Rate	25.23	28.69	
Bus Passenger Injury Rate	0.41	0.35	

- Preventable Accident – an accident that 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 that occurs despite every reasonable action by the employee to avoid involvement in an accident.
- Bus Collision Rate =  $N \times 1,000,000 / \text{Vehicle Miles}$
- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$



## July MetroAccess Safety Performance Indicators

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Category	July		July Variance
	FY08	FY09	
MetroAccess Passenger Injuries	6	8	2
MetroAccess Collisions	64	57	-7
MetroAccess Collision Rate	0.41	0.30	
MetroAccess Passenger Injury Rate	0.45	0.49	

- MetroAccess Collision Rate =  $N \times 1,000,000 / \text{Service Miles}$
- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$
- Service Miles = The miles that vehicles are scheduled to or actually travel while in revenue service.





## August MetroAccess Safety Performance Indicators

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Category	August		August Variance
	FY08	FY09	
MetroAccess Passenger Injuries	15	11	-4
MetroAccess Collisions	48	57	9
MetroAccess Collision Rate	0.29	0.30	
MetroAccess Passenger Injury Rate	1.05	0.68	

- MetroAccess Collision Rate =  $N \times 1,000,000 / \text{Service Miles}$
- Passenger Injury Rate =  $N \times 1,000,000 / \text{Passenger Miles}$
- Service Miles = The miles that vehicles are scheduled to or actually travel while in revenue service.