



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

**Board Information Item V-B**

**March 26, 2009**

**Safety Performance Indicators**

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

Action  
 Information

MEAD Number:

Resolution:  
 Yes  No

**PURPOSE**

To provide the Committee with the monthly safety performance measures for FY09.

**DESCRIPTION**

The information contains safety performance data for December/January FY09 and a comparison of safety performance data for FY08 and FY09 year- to- date, in the areas of derailments, fires, escalator injuries, rail, bus and metroaccess passenger injuries, preventable and non-preventable bus collision rates, and the metroaccess collision rate.

**FUNDING IMPACT**

None

**RECOMMENDATION**

None



# Safety Performance Indicators Report FY09

*Presented to the Board of Directors:*

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

March 26, 2009





# Rail Safety Performance Indicators

Category	FY08 Thru January	FY09 Thru January	FY Variance Thru January	FY09		Variance
				December	January	
Rail Passenger Injuries (on board)	76	38	-38	3	5	+2
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	135	78	-57	9	10	+1
Rail Passenger Injury Rate	0.08	0.04		0.02	0.04	
Escalator Injuries	91	71	-20	9	13	+4
Rail Collisions	0	0		0	0	
Derailments (Main Line)	0	0		0	0	
Fire Incidents	38	31	-7	4	3	-1
Smoke Incidents	85	56	-29	5	2	-3

- 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



## Bus Safety Performance Indicators

Category	FY08 Thru January	FY09 Thru January	FY Variance Thru January	FY09		Variance
				December	January	
Bus Passenger Injuries	113	73	-40	13	6	-7
Preventable Bus Collision Rate	22.04	16.88		13.44	9.86	
Non-Preventable Bus Collision Rate	27.32	25.77		26.64	15.83	
Bus Passenger Injury Rate	0.47	0.28		0.37	0.18	

- 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 =  $N \times 1,000,000 / \text{Passenger Miles}$



## MetroAccess Safety Performance Indicators

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Category	FY08 Thru January	FY09 Thru January	FY Variance Thru January	FY09		Variance
				December	January	
MetroAccess Passenger Injuries	61	48	-13	5	4	-1
MetroAccess Collision Rate	0.36	0.30		0.35	0.31	
MetroAccess Passenger Injury Rate	0.56	0.40		0.34	0.25	

- 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.