



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

**Board Information Item V-B**

**November 6, 2008**

**Safety Performance Indicators**

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

<input checked="" type="checkbox"/> Action <input checked="" type="checkbox"/> Information	MEAD Number:	Resolution: <input checked="" 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 the first quarter of FY09 in the areas of derailments, fires, escalator injuries, rail, bus and MetroAccess passenger injuries, preventable and non-preventable us collision rates and the MetroAccess collision rate.

**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**

November 6, 2008





# Rail Safety Performance Indicators

Category	FY08	FY09	1 <sup>st</sup>	September		September
	1 <sup>st</sup>	1 <sup>st</sup>	Quarter	FY08	FY09	Variance
	Quarter	Quarter	Variance			
Rail Passenger Injuries (on board)	42	16	-26	10	4	-6
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	47	33	-14	6	7	1
Rail Passenger Injury Rate	0.10	0.04		0.08	0.03	
Escalator Injuries	35	32	-3	7	11	4
Rail Collisions	0	0		0	0	
Derailments (Main Line)	0	0		0	0	
Fire Incidents	22	15	-7	3	5	2
Smoke Incidents	44	36	-8	14	9	-5

- 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	FY09	1 <sup>st</sup>	September		September
	1 <sup>st</sup>	1 <sup>st</sup>	Quarter	FY08	FY09	
	Quarter	Quarter	Variance			
Bus Passenger Injuries	49	37	-12	22	11	-11
Preventable Bus Collision Rate	21.04	15.32		20.62	16.74	
Non-Preventable Bus Collision Rate	29.70	29.19		31.33	28.02	
Bus Passenger Injury Rate	0.47	0.31		0.66	0.27	

- 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	FY09	1 <sup>st</sup>	September		September
	1 <sup>st</sup> Quarter	1 <sup>st</sup> Quarter	Quarter Variance	FY08	FY09	
MetroAccess Passenger Injuries	31	30	-1	10	11	1
MetroAccess Collision Rate	0.38	0.31		0.45	0.33	
MetroAccess Passenger Injury Rate	0.75	0.60		0.74	0.65	

- 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