



Customer Services, Operations, and Safety Committee

Board Information Item V-B

December 4, 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 the first four months of FY09 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:

No impact on funding.

RECOMMENDATION:

None



Safety Performance Indicators Report FY09

Presented to the Board of Directors:

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

December 4, 2008





Rail Safety Performance Indicators

Category	FY08 YTD	FY09 YTD	FY YTD Variance	October		October Variance
				FY08	FY09	
Rail Passenger Injuries (on board)	52	20	-32	12	8	-4
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	53	40	-13	19	12	-7
Rail Passenger Injury Rate	0.09	0.03		0.08	0.05	
Escalator Injuries	42	43	1	13	7	-6
Rail Collisions	0	0		0	0	
Derailments (Main Line)	0	0		0	0	
Fire Incidents	25	20	-5	3	3	0
Smoke Incidents	58	45	-13	9	5	-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



Bus Safety Performance Indicators

Category	FY08 YTD	FY09 YTD	FY YTD Variance	October		October Variance
				FY08	FY09	
Bus Passenger Injuries	71	48	-23	19	6	-13
Preventable Bus Collision Rate	19.87	15.99		17.01	17.93	
Non-Preventable Bus Collision Rate	28.66	29.49		26.10	30.34	
Bus Passenger Injury Rate	0.50	0.30		0.50	0.15	

- 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

Category	FY08 YTD	FY09 YTD	FY YTD Variance	October		October Variance
				FY08	FY09	
MetroAccess Passenger Injuries	42	35	-7	11	5	-6
MetroAccess Collision Rate	0.36	0.31		0.30	0.33	
MetroAccess Passenger Injury Rate	0.74	0.52		0.73	0.27	

- 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.