



Customer Services, Operations, and Safety Committee

Board Information Item V-B

January 8, 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 November 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**

January 8, 2009





Rail Safety Performance Indicators

Category	FY08 YTD	FY09 YTD	FY YTD Variance	November		November Variance
				FY08	FY09	
Rail Passenger Injuries (on board)	64	28	-36	7	1	-6
Rail Transit Facility Occupant Injuries (In Stations and Parking Facilities)	72	52	-20	11	10	-1
Rail Passenger Injury Rate	0.09	0.04		0.05	0.01	
Escalator Injuries	55	50	-5	18	5	-13
Rail Collisions	0	0		0	0	
Derailments (Main Line)	0	0		0	0	
Fire Incidents	28	23	-5	6	5	-1
Smoke Incidents	67	50	-17	10	4	-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



Bus Safety Performance Indicators

Category	FY08 YTD	FY09 YTD	FY YTD Variance	November		November Variance
				FY08	FY09	
Bus Passenger Injuries	90	54	-36	8	13	+5
Preventable Bus Collision Rate	22.37	18.89		19.37	18.55	
Non-Preventable Bus Collision Rate	26.67	27.44		31.54	31.43	
Bus Passenger Injury Rate	0.51	0.28		0.24	0.38	

- 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	November		November Variance
				FY08	FY09	
MetroAccess Passenger Injuries	53	40	-13	5	3	-2
MetroAccess Collision Rate	0.46	0.30		0.47	0.30	
MetroAccess Passenger Injury Rate	0.77	0.55		0.41	0.20	

- 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.