



**samTrans**



# Mobility Management: Fixed-route Bus Service



**April 11, 2012**

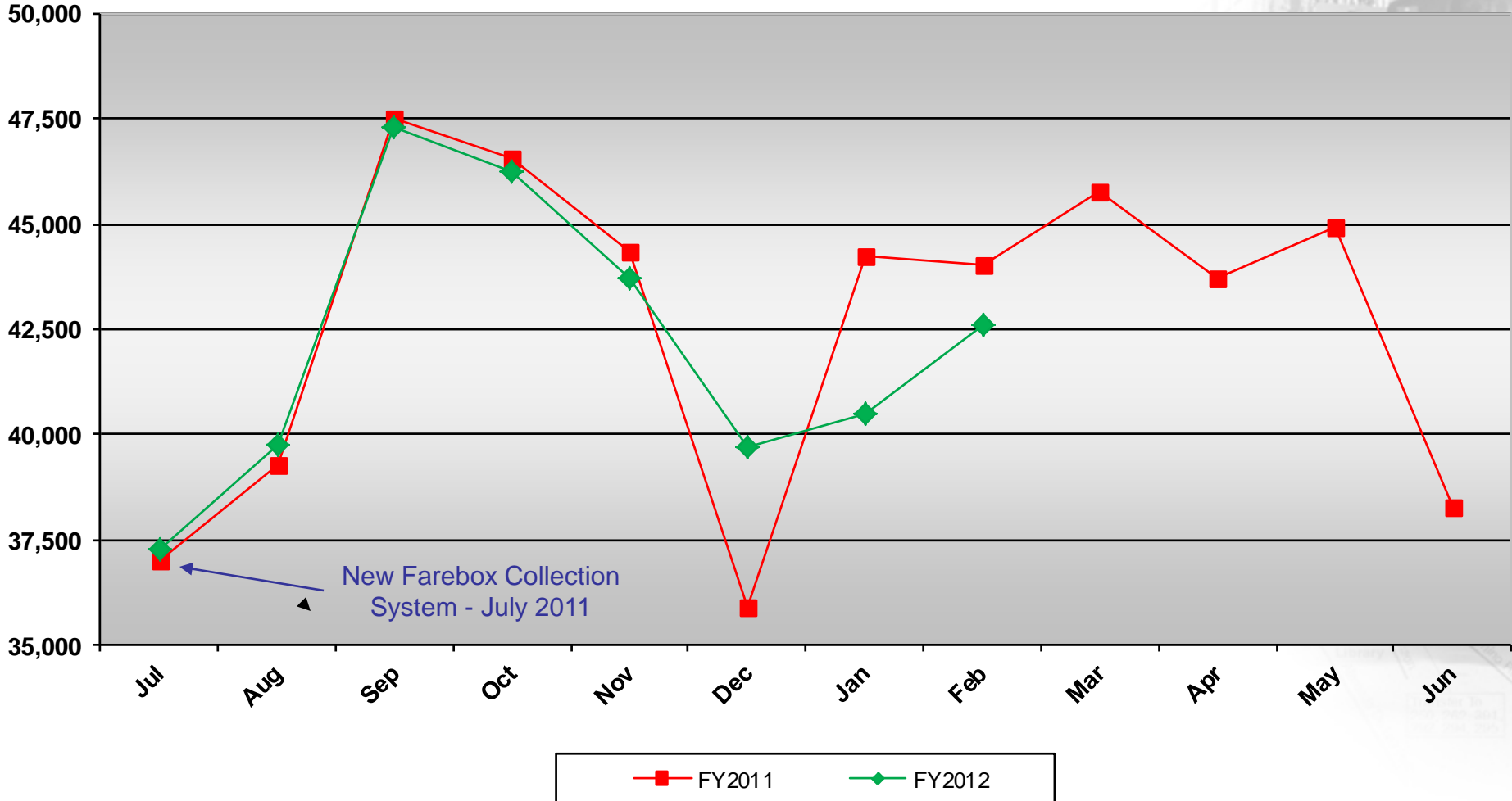
# Fixed-route Bus Service

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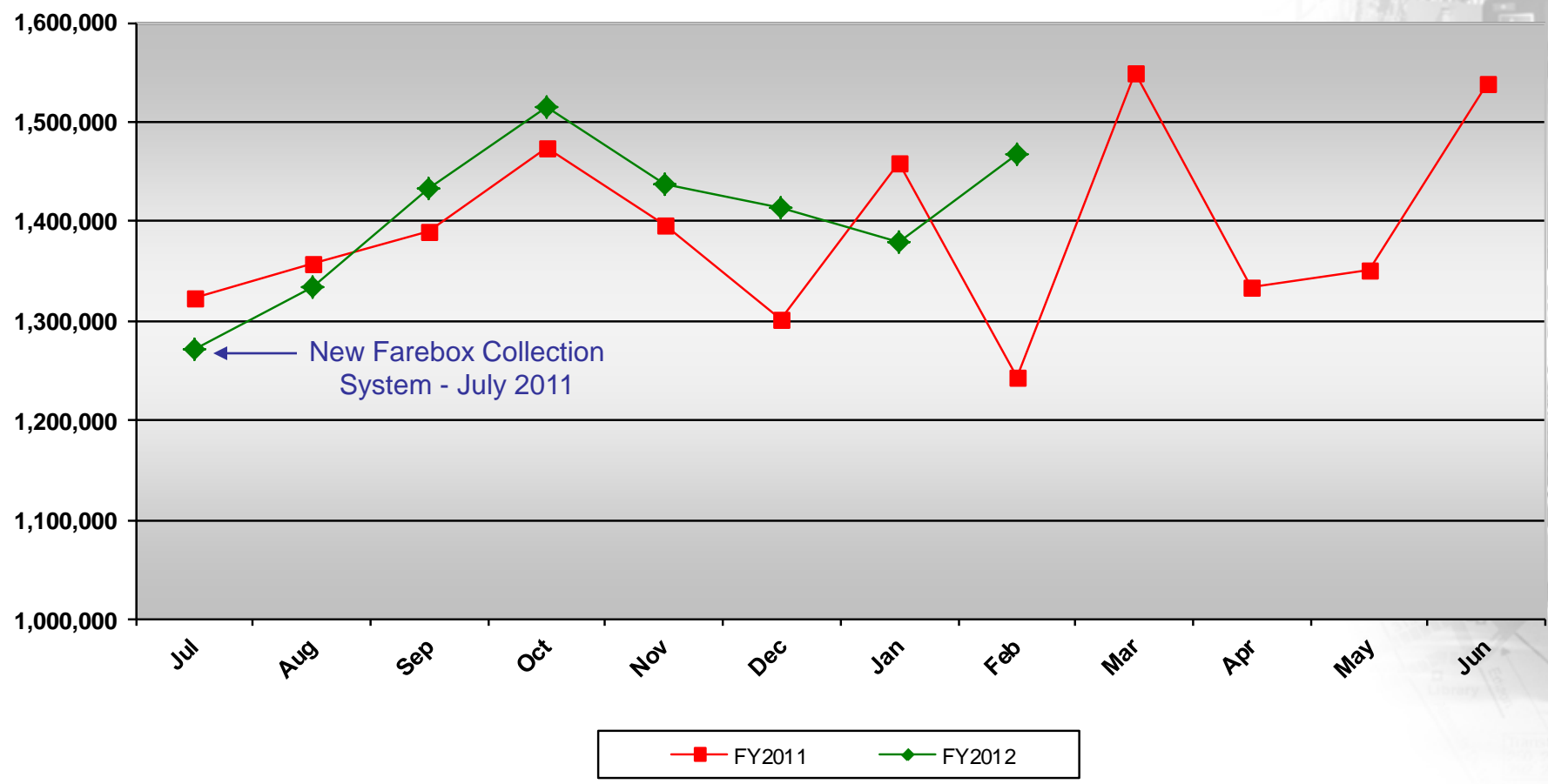
- Performance Statistics
- Bus Maintenance
  - Daily Cleaning
  - Inspection
  - Hi-tech
  - Training
- Summary



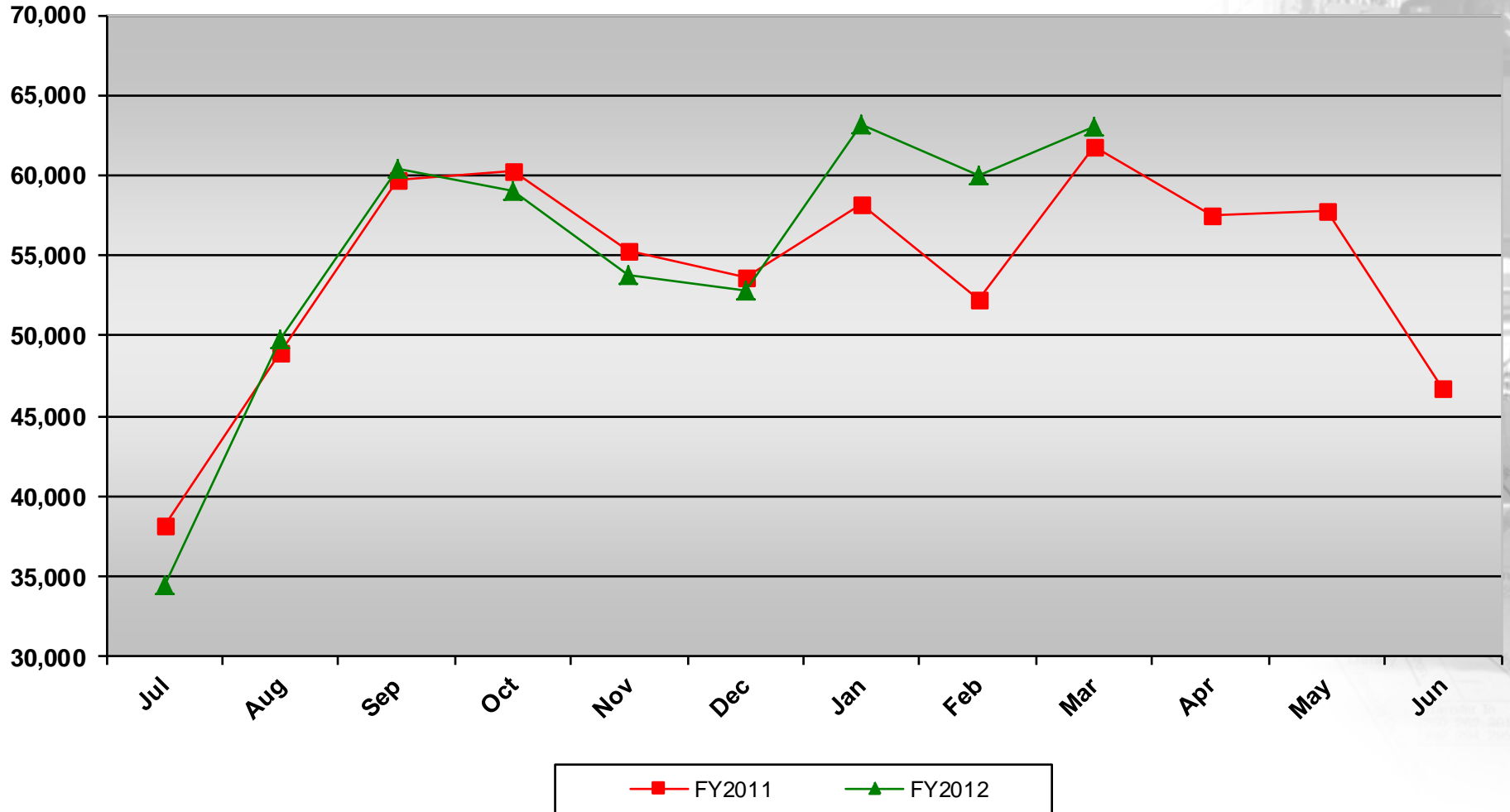
# Average Weekday Ridership



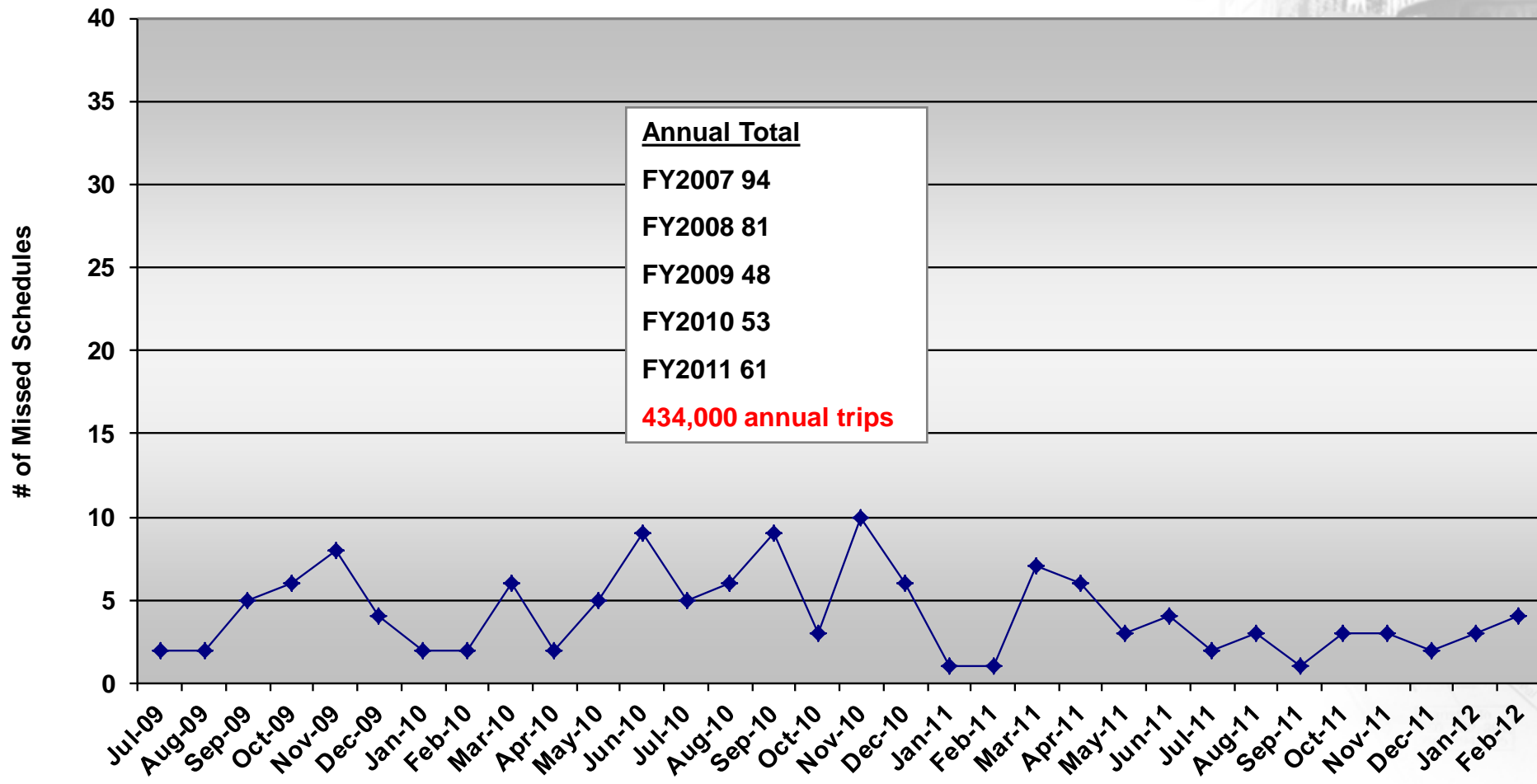
# Monthly Farebox Revenue



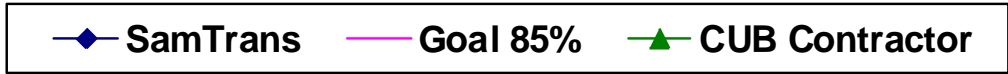
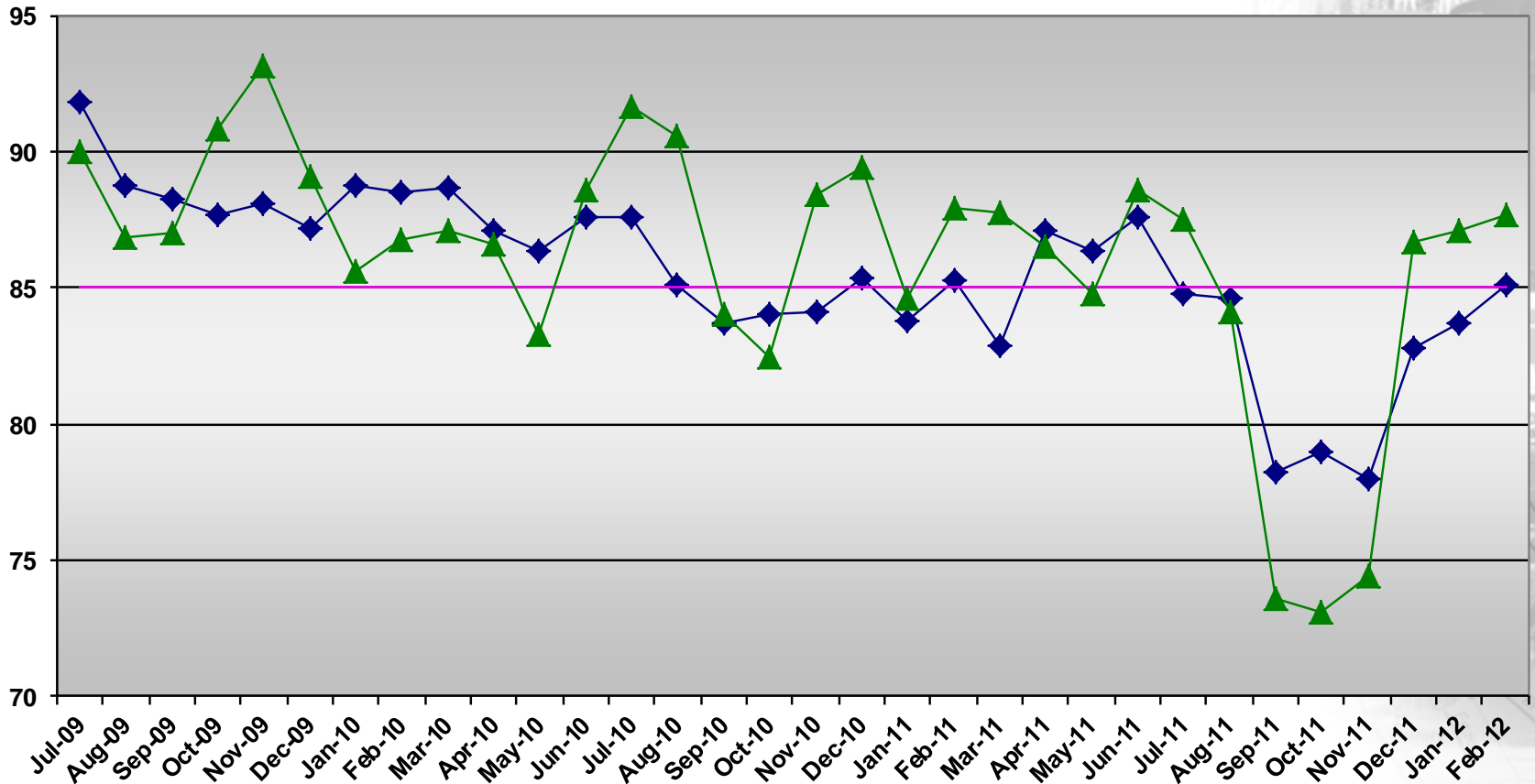
# Token Usage



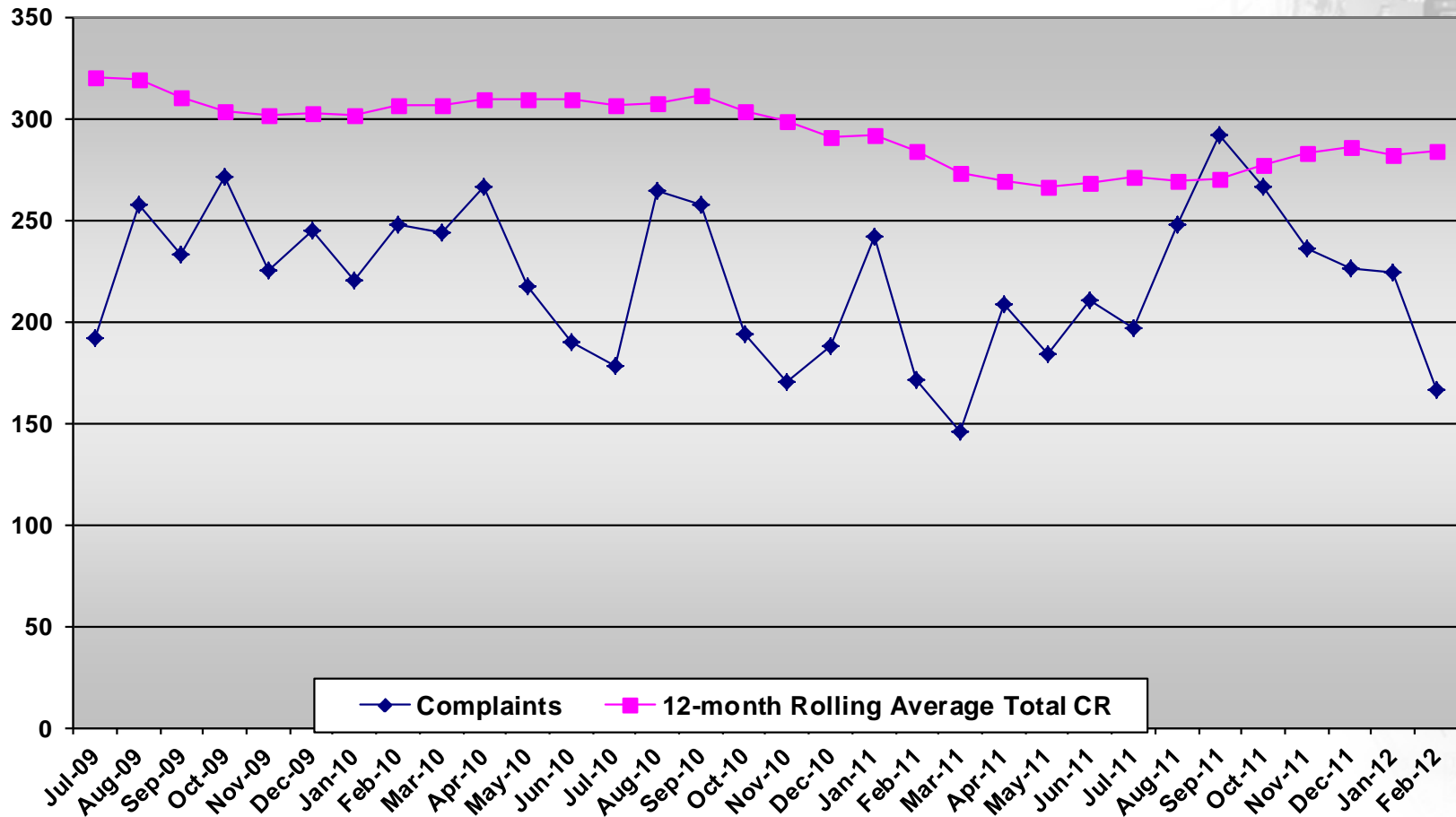
# Missed Schedules



# On-time Performance

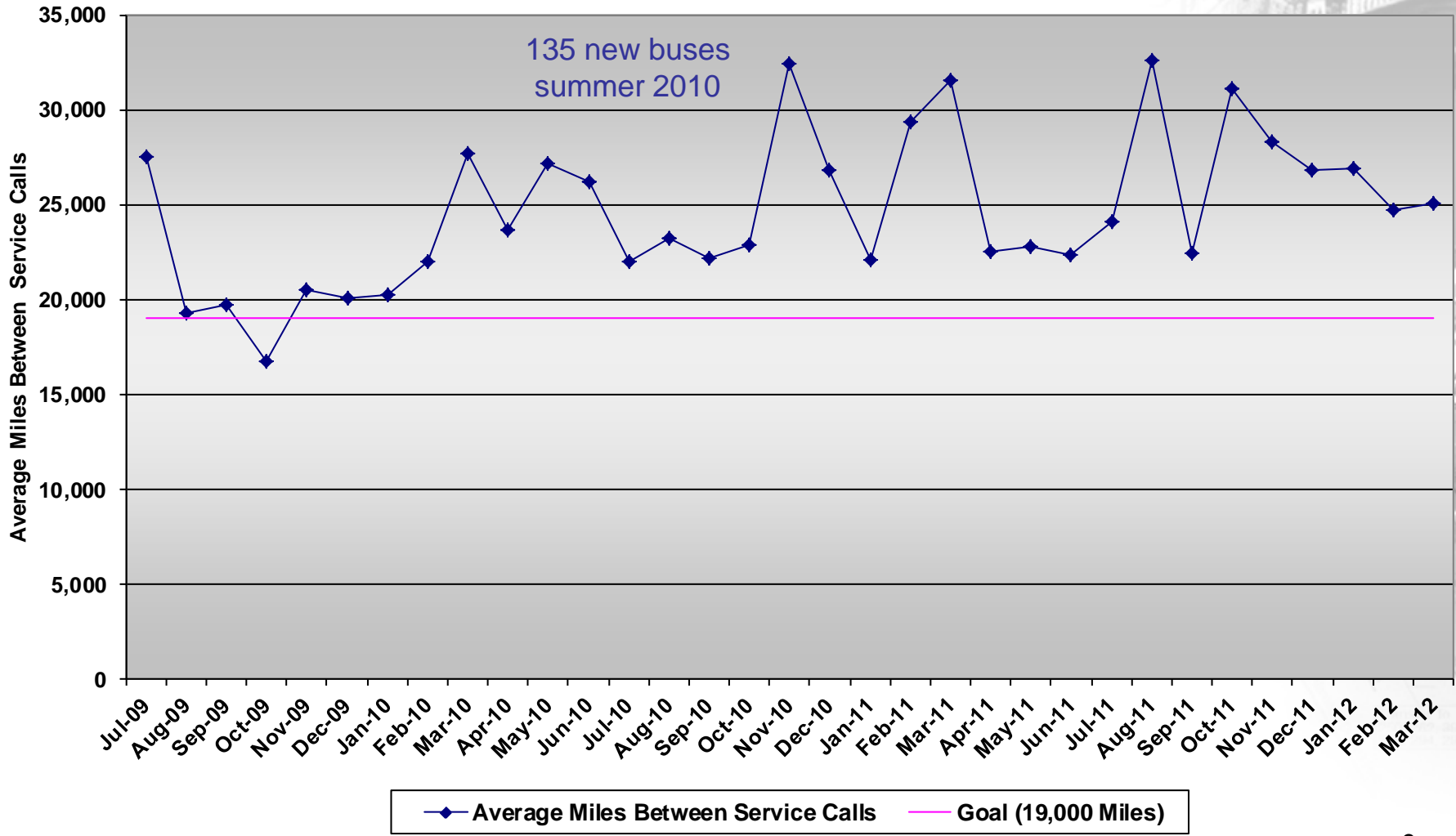


# Consumer Reports





# Fleet Reliability



# Bus Maintenance - Daily Cleaning



Each night the buses are fueled and cleaned - both interior & exterior

- Utility Worker uses air wand to blow debris to front of bus
- Floors are mopped with a disinfectant
- All purpose disinfectant used for areas wiped by hand
- “Adios” cleaner used to remove graffiti
- Windex is used on windows

# Bus Maintenance - Daily Cleaning



- More than 77,000 buses cleaned annually
- More than 700 buses detailed annually
- Industrial cleaners – liquid soaps
- Quaternary disinfectants – bacteria, viruses, pathogenic fungi, and mycobacteria
- Aerosol cleaners
- Upholstery cleaners

# Bus Maintenance - Inspection



- Lights inside & out
- Air leak
- Coolant leak
- Engine oil leak
- Transmission oil leak
- Fan drive leak
- Fuel leak
- Ride height
- Brake shoe contact
- Push rod travel
- Schedule reline
- Slack adjuster
- Back up alarm
- Lift/ramp
- Defect - down bus

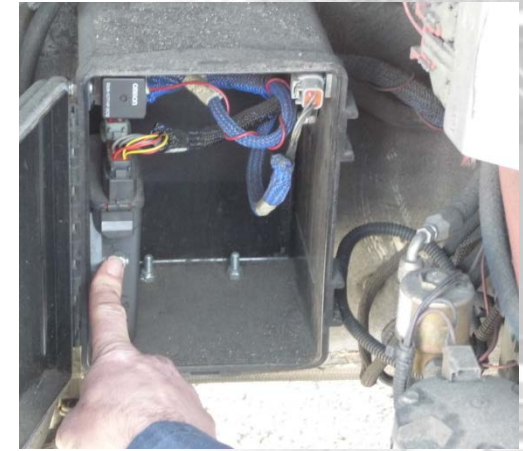
# Bus Maintenance – Hi-tech



## Numerous computer systems on each bus:

- Engine
- Transmission
- Braking system
- Video cameras
- Destination sign
- Radio/AVL system
- Air conditioning
- Rear door
- Artic dampener
- Clean air muffler
- Farebox
- Clipper

# Bus Maintenance – Hi-tech



## Full brake service:

- brake shoes
- s cam bushings
- s cam shaft/activator

## Clipper

Farebox revenue collection system

Hydraulic dampener keeps articulated bus riding straight – being pushed by rear wheels

# Bus Maintenance - Training



- Diesel engine systems, electrical systems, hazardous materials response
- Shop safety, GFI farebox, automatic transmission, HVAC
- 24 regional mechanics through 2011 program
- 33 regional mechanics registered for 2012 program
- Realizing MTC Transit Sustainability Project strategy through better coordination with other transit systems

- Bus ridership lower than prior year, but trend may be changing for the better
- Monthly farebox revenue is up
- Missed schedules remains extremely low
- On-time performance is returning closer to historical levels
- Consumer Reports and Complaints are back to historical levels
- Fleet reliability is very high – good maintenance practices
- Realizing MTC Transit Sustainability Project strategy through better coordination with other transit systems