



NEW YORK CITY TAXI & LIMOUSINE COMMISSION

# The State of the NYC Taxi

Assistant Commissioner for Safety & Emissions

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# Current Fleet by Model Year



Vehicle Make and Model	<=2001	2002	2003	2004	2005	2006	TOTAL
<b>Ford Crown Victoria</b>	959	609	3,151	2,792	3,270	678	11,459
<b>Toyota Sienna</b>	0	0	0	372	564	167	1,103
<b>Other</b>	13	54	75	13	41	21	217
<b>TOTAL*</b>	972	663	3,226	3,177	3,875	866	12,779

\* Includes medallions in storage

**Average Age of Fleet= 3.3 years**

# TLC Initial Inspection Results



<b><u>Make and Model</u></b>	<b><u>Initial Inspection Failure Rates</u></b>
Ford Crown Victoria	56%
Toyota Sienna	26%
Other	46%

# Taxi Vehicles



## Ford Crown Victoria



### Key Statistics

- 82% (10,499) of the current yellow taxi fleet are stretch
- 9% (957) non-stretch

### Highlights

- Rear legroom - 45.6"
- Manufacturer supported
- 5 Star Crash Rating by NHTSA
- Side air bags optional
- Built on 1979 platform
- Body on frame design
- 12-14mpg (est.) and LEV emissions standard
- Not wheelchair accessible

# Taxi Vehicles



## Toyota Sienna



### Key Statistics

- 9% (1,103) of the current yellow taxi fleet
- Owner/drivers and DOVs

### Highlights

- Rear legroom - 39.6"
- Growing manufacturer support
- 4 Star Crash Rating by NHTSA
- 5 standard airbags (2 front, 2 side, 1 curtain)
- 14-16mpg (est.) and only minivan to meet ULEV-II emissions standard nationwide
- Not wheelchair accessible

# Cleaner Vehicles



- Hybrid Taxicabs
  - Current experience
  - Short-term outlook
- Other types of clean vehicles
  - Emissions-based standards
  - Fuel efficiency-based standards



# Cleaner Vehicles - Hybrids



## Current Experience

- 22 hybrids in use as medallion taxis
  - 19 Ford Escapes
  - 2 Toyota Highlanders
  - 1 Toyota Prius
  - 60+ hybrids in use as FHV's
- Strong TLC initial inspection results
- Positive driver and passenger experience
- Lower fuel costs and low maintenance costs when compared to typical taxi vehicles

# Cleaner Vehicles - Hybrids



## Short-Term Outlook

- Medallion sale
  - 62 hybrid and alternative fuel medallions
- Hybrids increasingly being used with regular medallions
  - Dozens of new hybrids coming to the market over the next several years
- Modifying hybrid rule specifications
  - Eliminating smaller vehicles that have not been proposed for use (Accord, Civic, etc.)
  - Increasing visibility of hybrid vehicles

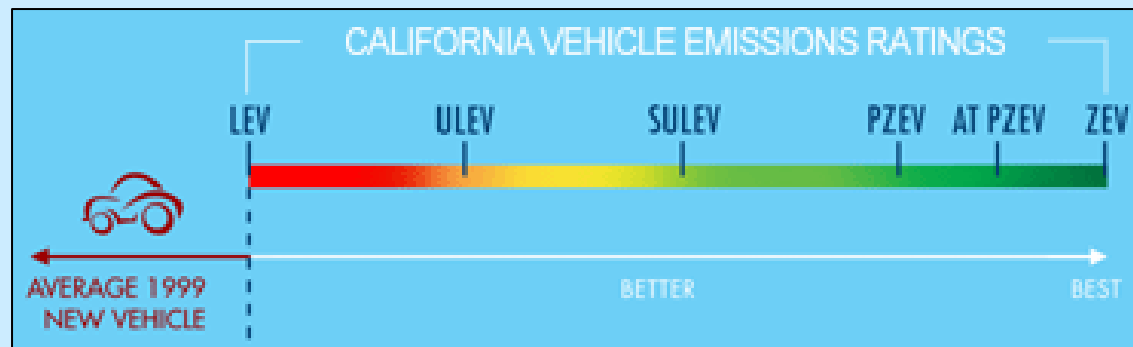


# Cleaner Vehicles



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- California Air Resources Board (CARB) Standards
  - LEV – Low Emissions Vehicle
    - Ford Crown Victoria
  - ULEV II – Ultra-Low Emissions Vehicle
    - Toyota Sienna
  - PZEV – Partial Zero Emissions Vehicle with 15 year/150,000 mile emissions control warranty
    - Hybrids (AT-PZEV)



Source: <http://www.driveclean.ca.gov/en/gv/driveclean/emissionrating.asp>

# Cleaner Vehicles



## Sample of PZEV Vehicles with EPA Fuel Economy

- **2006 Ford Focus-4Cylinder** **26/32 mpg (city/hway)**
  - **2006 Ford Fusion-4Cylinder** **24/32 mpg (city/hway)**
  - **2006 Honda Accord-4Cylinder** **24/34 mpg (city/hway)**
  - **2006 Hyundai Elantra-4Cylinder** **24/32 mpg (city/hway)**
  - **2006 Mazda 3-4Cylinder** **26/34 mpg (city/hway)**
  - **2006 Nissan Altima-4Cylinder** **23/29 mpg (city/hway)**
  - **2006 Subaru Legacy-4Cylinder** **23/30 mpg (city/hway)**
  - **2006 Toyota Camry-4Cylinder** **24/34 mpg (city/hway)**
  - **2006 Volkswagen Golf-4Cylinder** **24/30 mpg (city/hway)**
  - **2006 Volkswagen Jetta-4Cylinder** **25/31 mpg (city/hway)**
  - **2006 Volvo V70-5Cylinder** **22/30 mpg (city/hway)**
- All vehicles are nearly as clean or cleaner than hybrids
  - All vehicles meet TLC Rules for hybrid taxicabs

# Accessible Vehicles



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## Modified Ford Freestar



## Key Statistics

- Used for all 27 wheelchair-accessible medallions

## Highlights

- Modification is not manufacturer-supported – no manufacturer warranty
- High inspection failure rate:
  - Suspension components
  - Brakes/ABS
  - Sub-frames
- 13-15 mpg (est.) and LEV-emissions standard
- Rear-entry accessibility
- Not compliant with federal mobility aid guidelines

# Accessible Vehicles



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## Proposed Vehicle Specs



## Key Statistics

- Currently, only the Amerivan PT meets the specifications

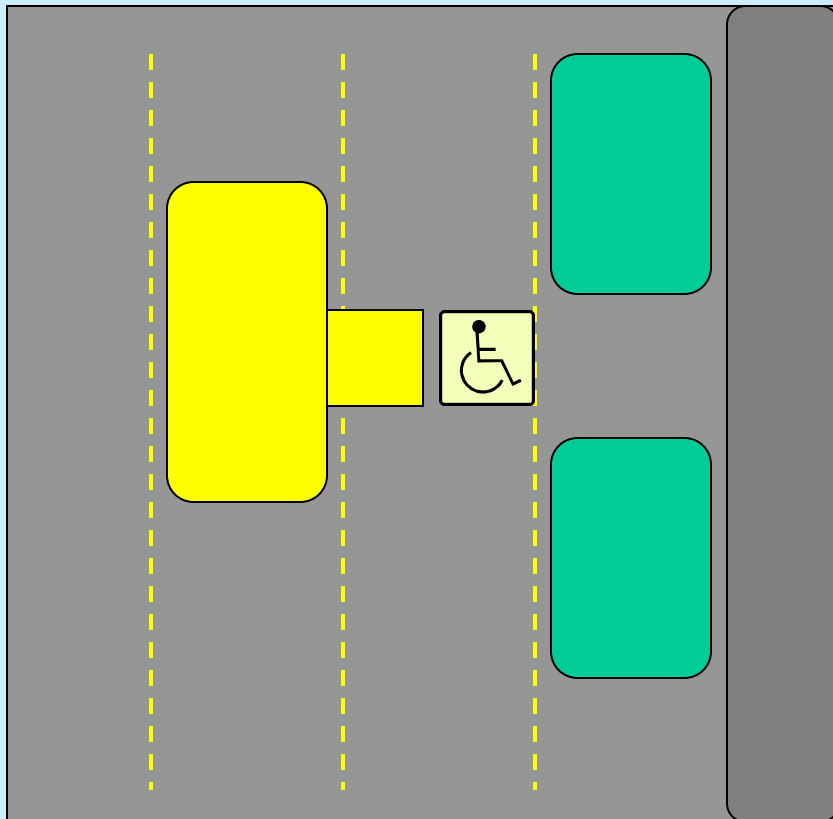
## Highlights

- Manufacturer and modifier warranties in place
- Designed for commercial use
- Approved for taxi use in Chicago
- 13-15 mpg (est.) and LEV-II emissions standard
- Side-entry accessibility
- Can transport 2 wheelchair and 2 non-wheelchair passengers at a time
- Compliant with federal mobility aid guidelines

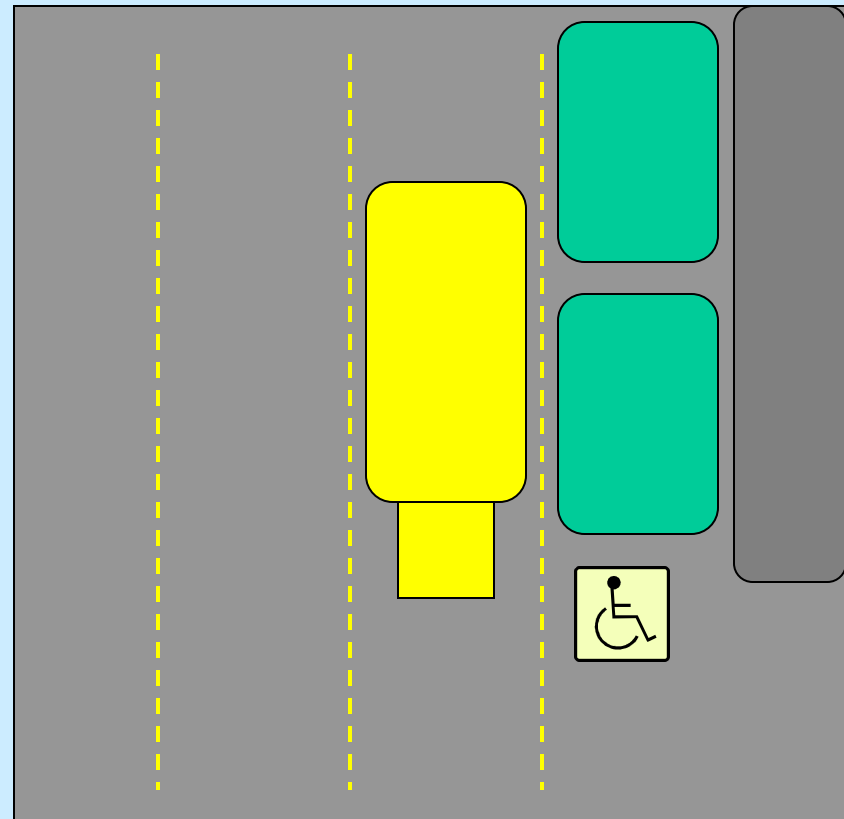
# Accessible Vehicles



## Side Entry



## Rear Entry





# Vehicles - Comparison



<u>Type of Vehicle</u>	<u>Estimated Cost</u>	<u>Rear Passenger Leg Room</u>	<u>Rear Passenger Headroom</u>	<u>Length of Vehicle</u>
Ford Crown Victoria (Stretch)	\$27,500-MSRP	45.6"	37.9"	212"
Toyota Sienna CE	\$23,775-MSRP	39.6"	40.2"	200"
Ford Freestar (modified for accessibility)	\$38,000-MSRP	38"	40.1"	201"
Amerivan PT (Proposed Vehicle Specs)	\$ 38,000-MSRP Includes custom partition	37.5" 50+''-with middle seat folded	58"	201"

# What is the future Taxi?

