The State of the NYC Taxi

Assistant Commissioner for Safety & Emissions
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# Current Fleet by Model Year

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

* Includes medallions in storage

**Average Age of Fleet= 3.3 years**
# TLC Initial Inspection Results

<table>
<thead>
<tr>
<th>Make and Model</th>
<th>Initial Inspection Failure Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford Crown Victoria</td>
<td>56%</td>
</tr>
<tr>
<td>Toyota Sienna</td>
<td>26%</td>
</tr>
<tr>
<td>Other</td>
<td>46%</td>
</tr>
</tbody>
</table>
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

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

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

- 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)

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 24/30 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

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

Proposed Vehicle Specs

Highlighted
- 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

Key Statistics
- Currently, only the Amerivan PT meets the specifications
Accessible Vehicles

Side Entry

Rear Entry
# Vehicles - Comparison

<table>
<thead>
<tr>
<th>Type of Vehicle</th>
<th>Estimated Cost</th>
<th>Rear Passenger Leg Room</th>
<th>Rear Passenger Headroom</th>
<th>Length of Vehicle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford Crown Victoria (Stretch)</td>
<td>$27,500-MSRP</td>
<td>45.6”</td>
<td>37.9”</td>
<td>212”</td>
</tr>
<tr>
<td>Toyota Sienna CE</td>
<td>$23,775-MSRP</td>
<td>39.6”</td>
<td>40.2”</td>
<td>200”</td>
</tr>
<tr>
<td>Ford Freestar (modified for accessibility)</td>
<td>$38,000-MSRP</td>
<td>38”</td>
<td>40.1”</td>
<td>201”</td>
</tr>
<tr>
<td>Amerivan PT (Proposed Vehicle Specs)</td>
<td>$38,000-MSRP</td>
<td>37.5” 50+”-with middle seat folded</td>
<td>58”</td>
<td>201”</td>
</tr>
</tbody>
</table>
What is the future Taxi?