North Central Texas
Air Quality Strategies:

Light-Emitting Diode (LED)
Traffic Signal Replacement Program
## North Central Texas Air Quality Strategies

<table>
<thead>
<tr>
<th>STRATEGY</th>
<th>RTC FUNDS</th>
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<tbody>
<tr>
<td>LED Traffic Signal Replacement Program</td>
<td>$400,000</td>
</tr>
<tr>
<td>Pay-As-You-Drive Insurance Pilot Program</td>
<td>$1,500,000</td>
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<tr>
<td>Employer Trip Reduction Program</td>
<td>$1,000,000</td>
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<tr>
<td>Cleaner Fleet Vehicle Procurement Policy</td>
<td>$250,000</td>
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<tr>
<td>Parking Cash-Out Pilot Program</td>
<td>$250,000</td>
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<tr>
<td>Diesel Freight Vehicle Idling Reduction Program</td>
<td>$1,600,000</td>
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<td>$5,000,000</td>
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Program Goals

Reduce Ozone Pollutant Level

Convert 50 Percent of Region’s Signals to LED by May 2005

Convert 90 Percent of Region’s Signals to LED by May 2006
LED Policy

Adopted by RTC – May 2005

Include LED lamps into existing and future Transportation Improvement Program (TIP) projects.

Include LED lamps in Thoroughfare Assessment Program (TAP).
Survey Results

Deployment by May 2005
  Program Goal = 50 Percent
  Survey Response = 74.6 Percent
  Goal Achieved

Anticipated Deployment by May 2006
  Program Goal = 90 Percent
  Survey Response = 88.4 Percent
  Short by 1.6 percent or 76 signals
Revised Results

LED Projects Funded in the TIP
$1,623,000; 396 locations

LED Projects Funded Through the TAP
$1,412,000; 346 locations

Total Locations by May 2007 ~400 (96.5%)
Funds Already Allocated in TIP
Questions

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