North Central Texas
Air Quality Strategies:

Light-Emitting Diode (LED)
Traffic Signal Replacement Program

NCTCOG
Surface Transportation Technical Committee
April 28, 2006
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
North Central Texas Council of Governments

Survey

Conducted First Survey in July 2004

Updated Survey February 2005

Updated Survey February 2006

Next Survey February 2007
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

Natalie Bettger
817-695-9280
nbettger@nctcog.org