Planning Cities That Live: *Sustainability for Today and Tomorrow*

EPA Sustainability Symposium

August 28, 2012

http://www.nctcog.org/trans/presentations/index.asp

North Central Texas Council of Governments

SUSTAINABLE PRACTICES SYMPOSIUM

Policy Oversight

North Central Texas Council Of Governments and the Regional Transportation Council

Problem and Need

Chris Klaus

Sustainable Context

Michael Morris

Local Government Opportunities

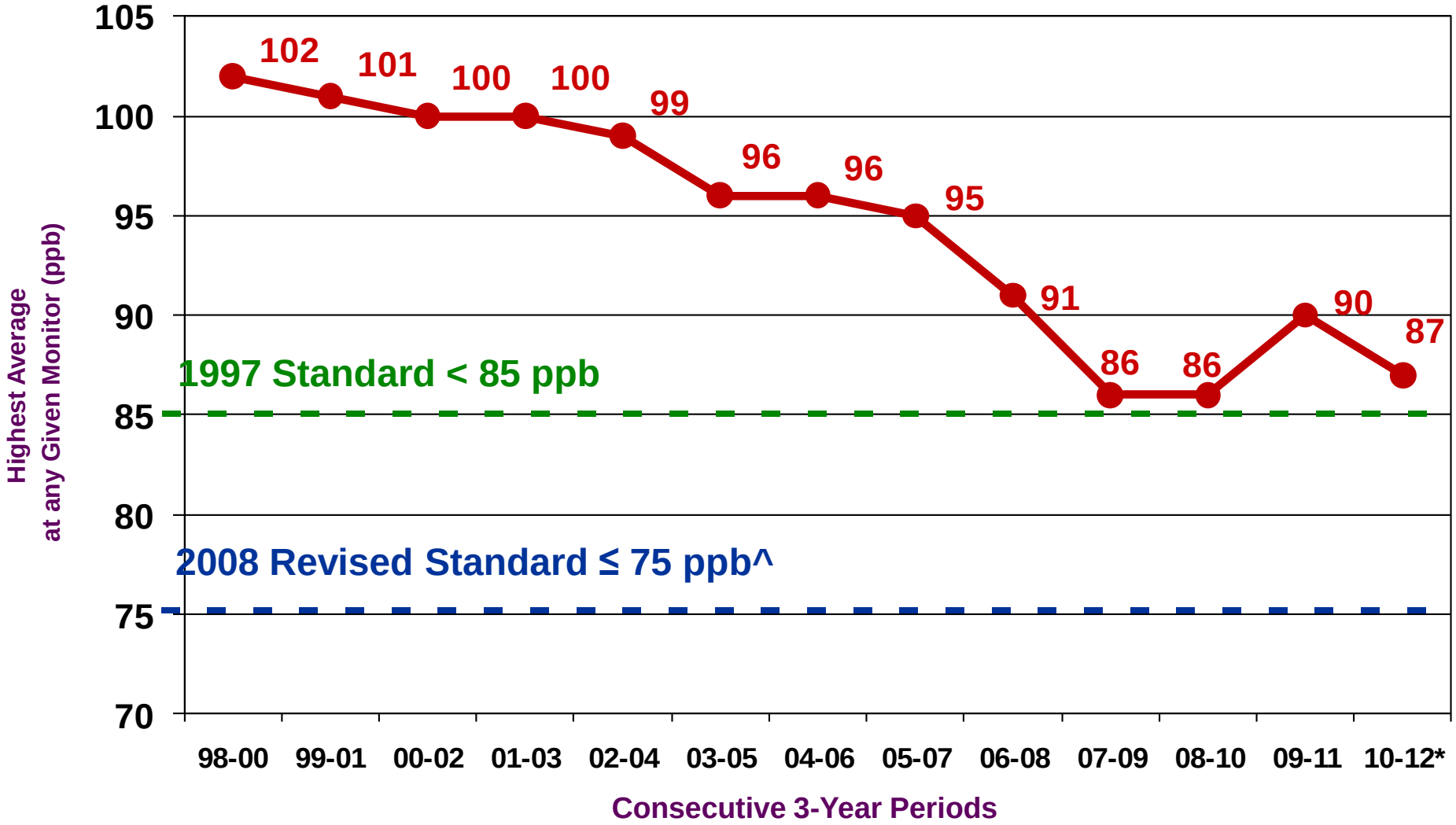
Environment: Lori Clark

Land Use: Karla Weaver

Economic Development: Tom Shelton

Questions

NORTH CENTRAL TEXAS OZONE DESIGN VALUES



^Attainment Goal - According to the US EPA National Ambient Air Quality Standards (NAAQS), attainment is reached when, at each monitor, the three-year average of the annual fourth-highest daily maximum 8-hour average ozone concentration is equal to or less than 75 parts per billion (ppb).

*Not a full year of data. Current as of 07/12/2012

Source: NCTCOG TR Dept

EMISSION BENEFITS AND AIR QUALITY PROGRAMS ARE OFTEN INTER RELATED

EXAMPLES OF TRANSPORTATION AND AIR QUALITY PROGRAMS

air northtexas
go green. breathe clean.

WARNING
5 MINUTE IDLE LIMIT
BUSES – MAXIMUM 30 MINUTES
STATE CODE 30 TAC 114.512
www.EngineOffNorthTexas.org

NORTH TEXAS CLEAN AIR COALITION

ForWard
fort worth area rail development

DalTrans
Texas Department of Transportation

Dallas-Fort Worth CLEAN CITIES

RSVP
REGIONAL SMOKING VEHICLE PROGRAM
Don't Choke, Call #SMOKE

TransVISION

nct clean school bus
north.central.texas.clean.school.bus.program

HOV LANE
Diamonds are a driver's best friend.
A guide to DART's HOV lane system

Access North Texas
Access to...information

evnt
Electric Vehicles North Texas

FREIGHT NORTH TEXAS

tryparkingit.com

2035 mobility

Regional Emissions Enforcement Program

AirCheckTexas

TERP
TEXAS EMISSIONS REDUCTION PLAN
A PROGRAM OF THE TCEQ

Drive a Clean Machine

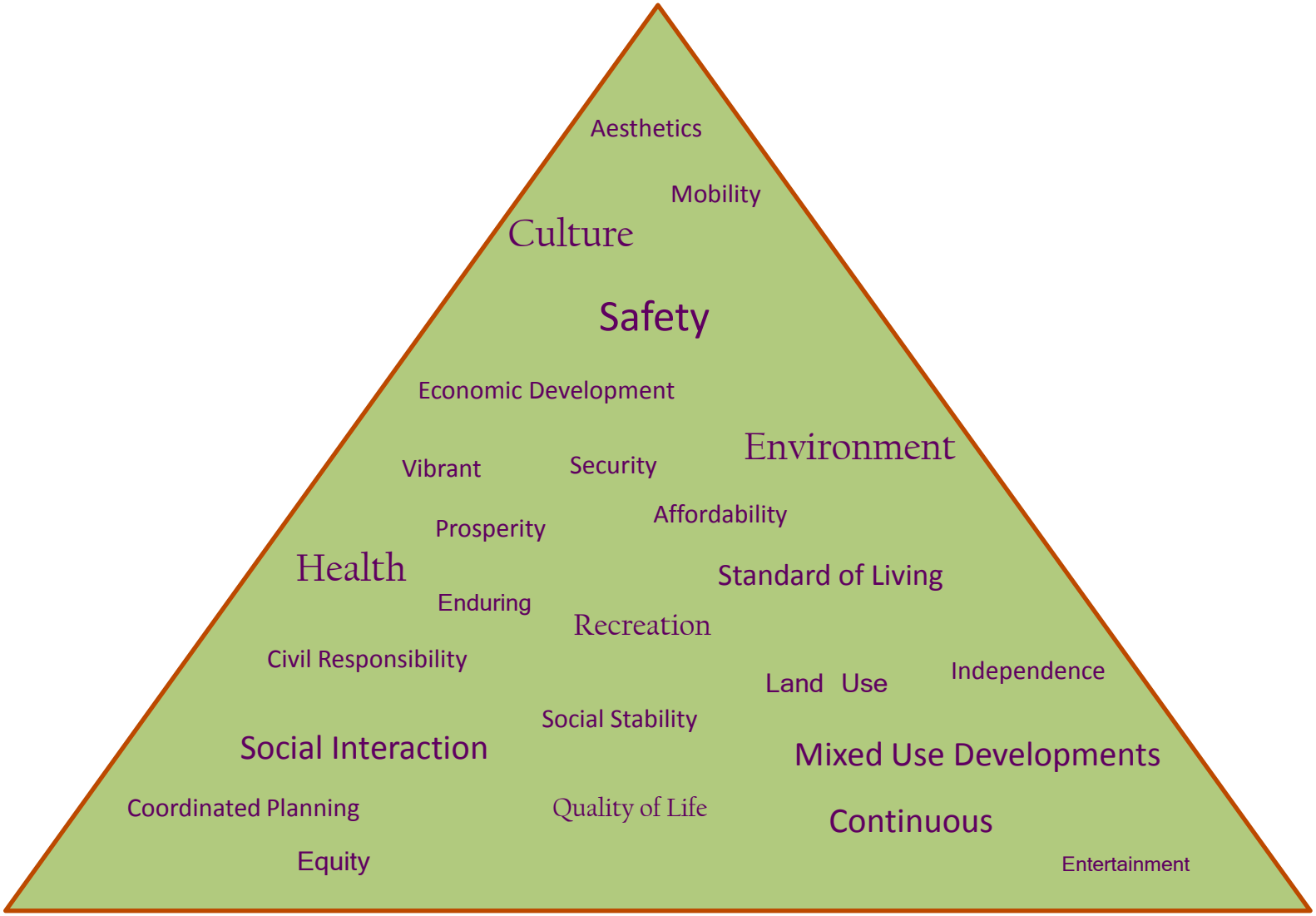
North Central Texas
General Aviation and Heliport System Plan

SmartWay Transport Partnership
U.S. ENVIRONMENTAL PROTECTION AGENCY

RAIL NORTHTEXAS

NORTH TEXAS GREEN & GO
CLEAN TAXI PARTNERSHIP

PLANNING CITIES THAT LIVE



PLANNING CITIES THAT LIVE

PLANNING CITIES THAT LIVE

Lori Clark

ENVIRONMENTAL POLICIES AND TECHNOLOGIES

PROGRAMS AND TECHNOLOGIES

evnt
Electric Vehicles North Texas

Dallas-Fort Worth
CLEAN CITIES

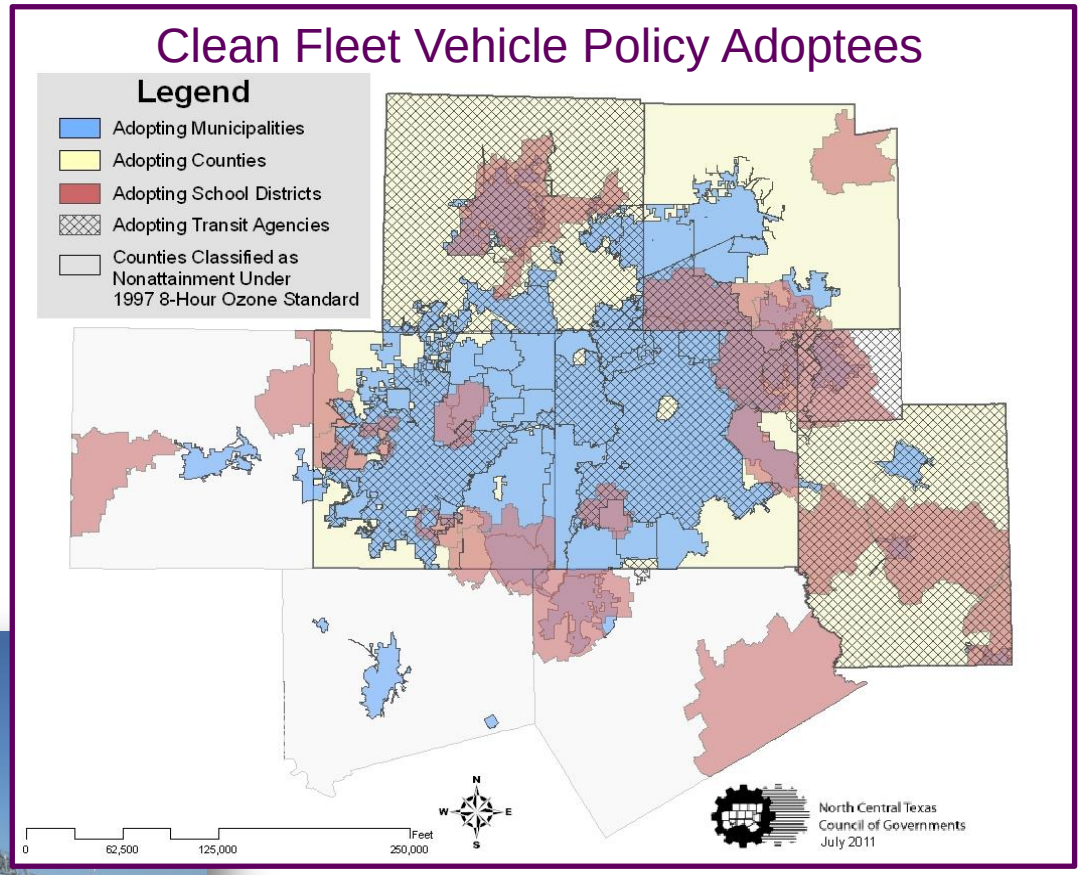
air
northtexas
go green. breathe clean.

northcentral.texas.clean.school.bus.program

SmartWay
Transport Partnership
U.S. Environmental Protection Agency

NORTH TEXAS
GREEN & GO
CLEAN TAXI PARTNERSHIP

POLICIES



Source: IdleAire

Available/Upcoming Clean Technology Funding Programs* (Current as of 08/22/2012)	Eligible Technology Applications						
	Heavy-Duty Vehicles	School Buses	Light-Duty Vehicles	Non-Road Equipment	Refueling Infrastructure	Idle Reduction Technology	Oil and Gas Vehicles/ Equipment
Programs Offered by NCTCOG							
Regional Idling Reduction Program	X		X	X		X	X
Additional Programs Available							
Cascade Sierra Solutions Financing Opportunities	X					X	X
Cascade Sierra Solutions Green Machines Program	X	X		X		X	X
Cascade Sierra Solutions/ Shorepower Truck Electrification Project	X					X	X
Clean Cities National Parks Initiative	X		X	X	X		
Community Development Transportation Lending Services	X					X	X
Engine Control Systems Diesel Particulate Filter Leasing Program	X						X
H-GAC Drayage Loan Program	X						
PERC Propane Mower Incentive Program [NEW]				X			
RRC Alternative Fleet Fuel Pilot Program	X	X	X				X
TCEQ Texas Clean Fleet Program	X	X	X				X
TCEQ Texas Clean School Bus Program [NEW]		X					
TCEQ Texas Natural Gas Vehicle Grant Program	X	X					X

For More Information, Visit: www.nctcog.org/AQFunding

* This table is intended to provide information on funding for vehicle, equipment, and add-on technology projects for fleets only.

OPPORTUNITIES COME WITH CHALLENGES…

Karla Weaver

LAND USE SUSTAINABILITY

SUSTAINABLE DEVELOPMENT FUNDING PROGRAM GOALS

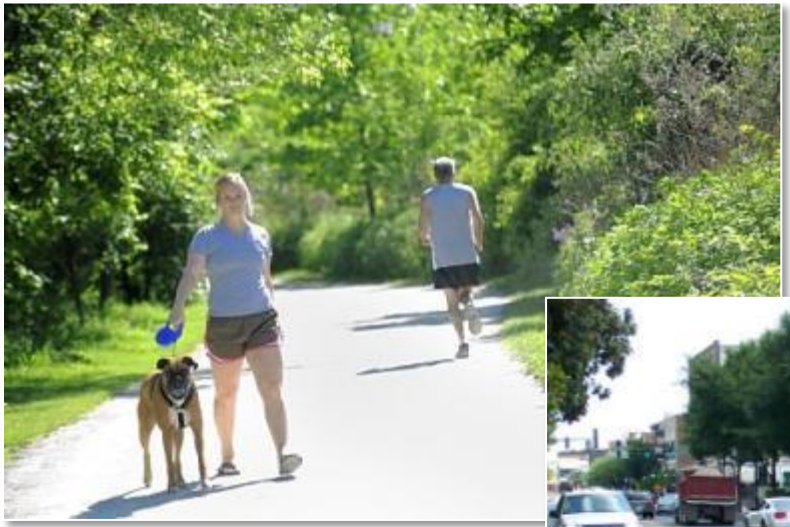
Development choice

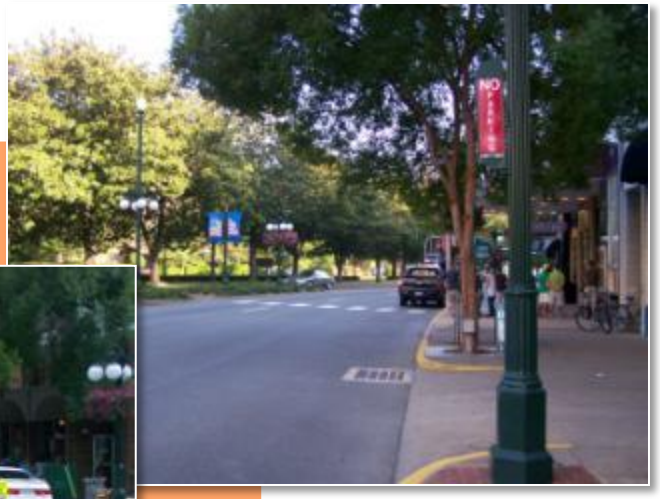
Investments in all modes of transportation

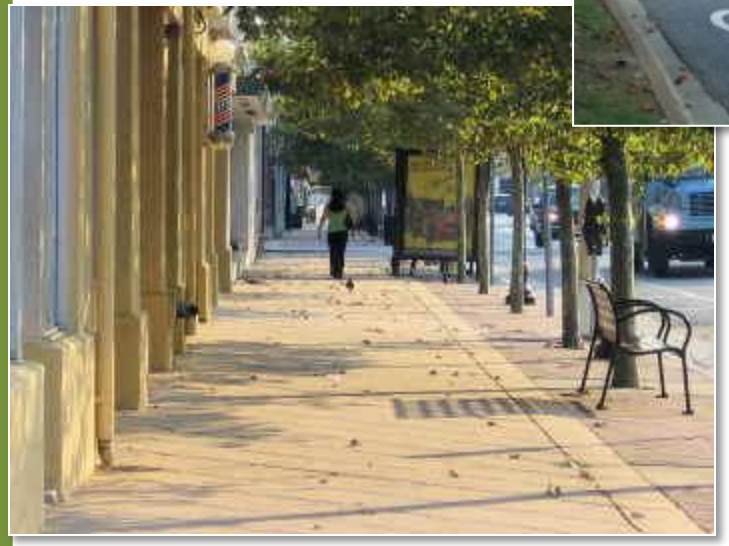
Reduce vehicle miles traveled per person

Economic development - public/private partnerships

PUBLIC INFRASTRUCTURE







VERTICAL DEVELOPMENT PUBLIC-PRIVATE PARTNERSHIPS

Garland – Transit Oriented Development

Fort Worth – West 7th

Richardson - Eastside

FOCUS ON SCHOOLS: LAND USE & TRANSPORTATION

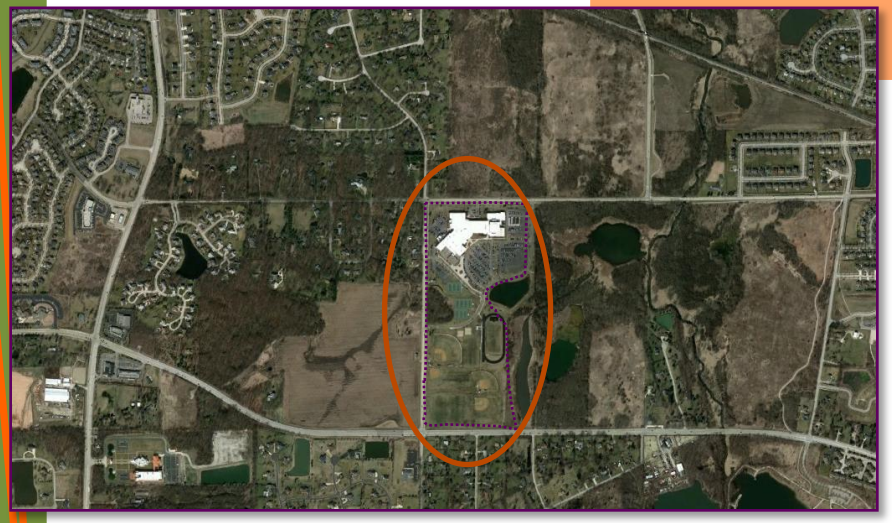
April 2010, RTC workshop

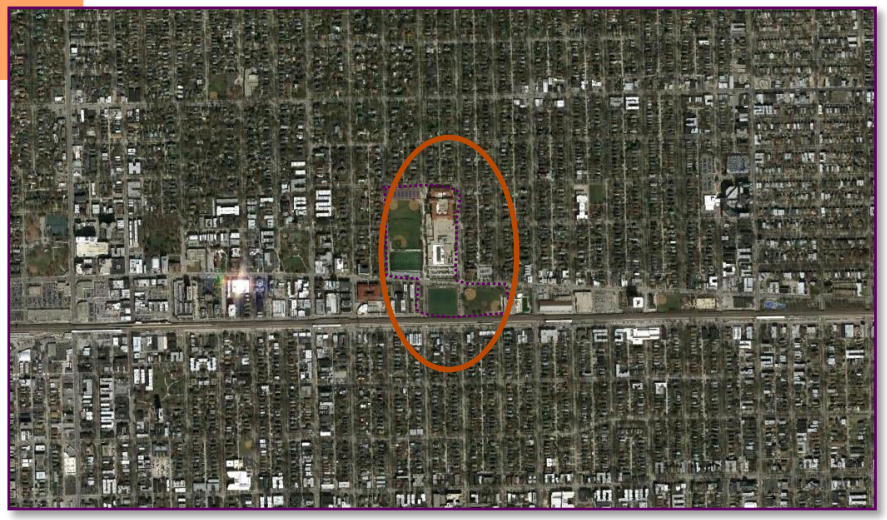
February 2011, McKinney ISD & City of McKinney

March 2012, Denton ISD & City of Denton

HUD – Joint Land Use Community Challenge Grant

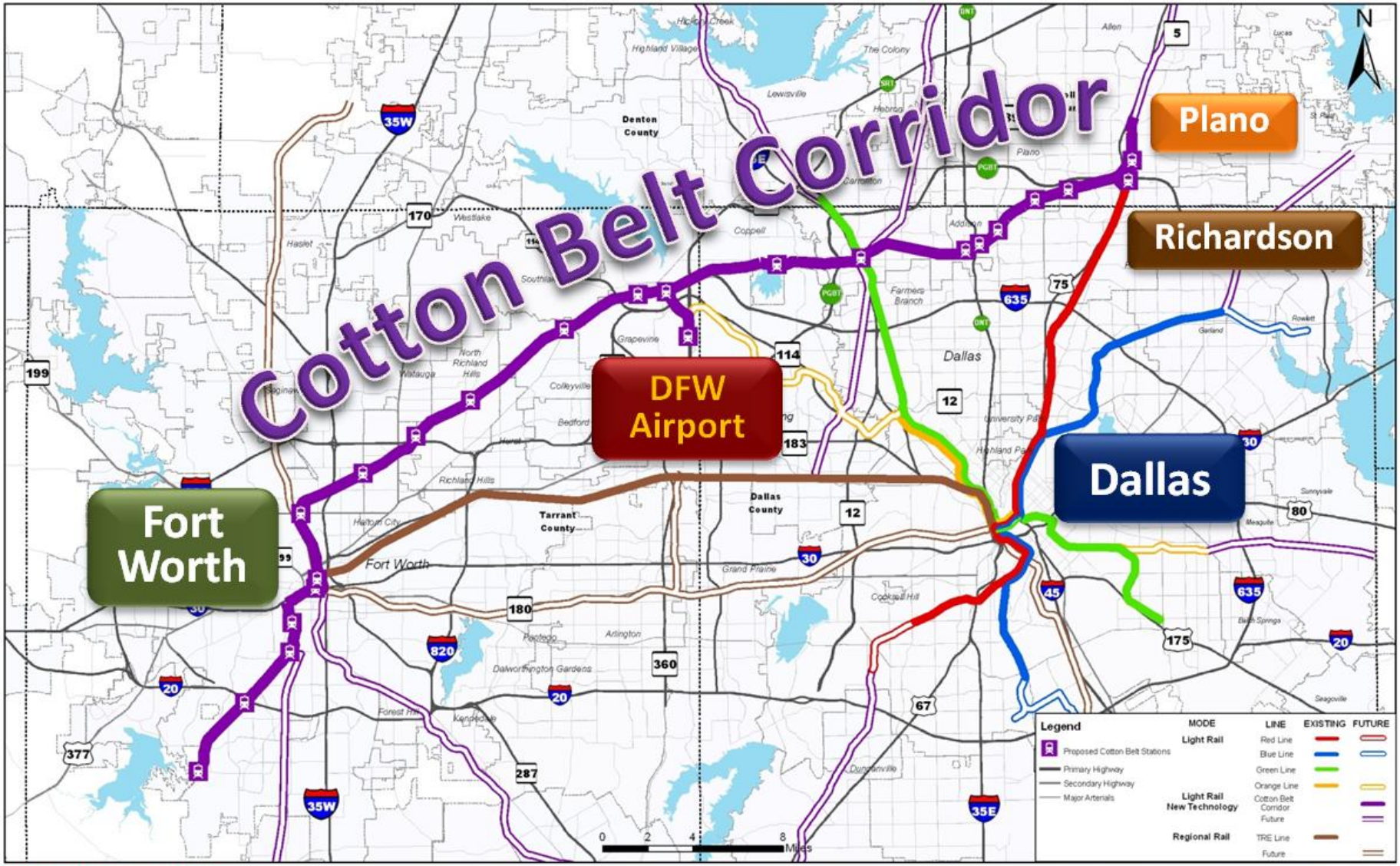
COMMON CONCERNS





Tom Shelton

ECONOMIC DEVELOPMENT AND RAIL TRANSIT



RAIL NORTH TEXAS

Existing and Proposed Passenger Rail Lines

PROJECT PREMISE

Not only a passenger rail project

- Land use
- Economic development

Create a “string of pearls”

- Focus some regional growth at the “pearls”
- Connected string of urban villages
- Use transit-friendly development practices

Allow market to decide development timing

STUDY METHODOLOGY

Travel shed around potential stations

- Parcel-by-parcel analysis
  - Used parcels potentially influenced by rail
  - Assigned parcels to land use categories
  - Phased implementation and build-out

Current appraised value

Grow by inflation

Assume future land use enhanced by access

WHAT IS VALUE CAPTURE?

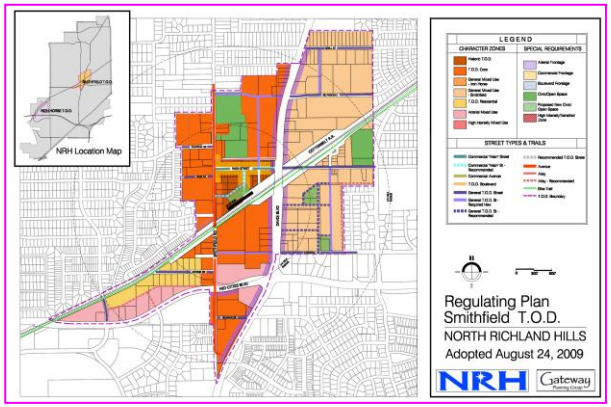
Incremental land value increase

Incremental tax-base growth

May expand to include other elements

- Development rights
- Share of development profits

Land use planning *CRUCIAL* to maximize value



VALUE CAPTURE MECHANISMS

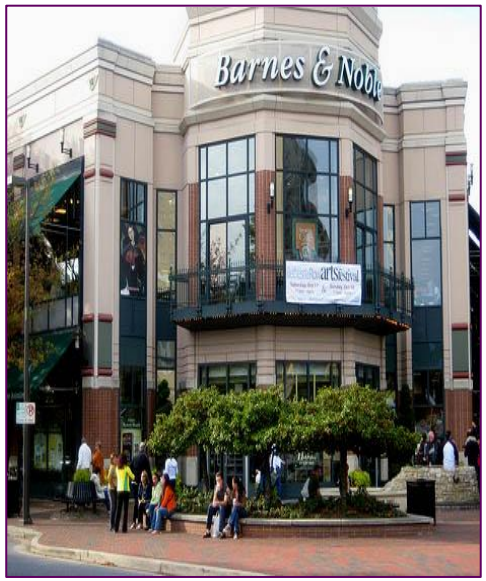
Special district

- Municipal Management Districts (MMD)
- Transportation Reinvestment Zone (TRIZ)
- Public Improvement District (PID)
- Tax Increment Financing (TIF)

Developer support

- Sustainable development

Program can be brought to your neighborhood



QUESTIONS ON HOW WE CAN ALL DO MORE?

PRESENTATION LINKS

NCTCOG Presentations Page:

http://www.nctcog.org/trans/presentations/index.asp

EPA Sustainability Symposium Website:

http://www.epa.gov/region6/nctcog/