2010 Population Comparisons

Source: NCTCOG, Decennial Census

- 1987 NCTCOG Forecast for the year 2010 (Forecasted)
- 2010 Census (Observed)
2010 Population Comparison Shares

- 1987 NCTCOG Forecast for the year 2010 (Forecasted)
- 2010 Census (Observed)

Source: NCTCOG, Decennial Census
## Forecast 2040

### 2010 Population Forecast Validation By County

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>2010 (CENSUS)</th>
<th>2010 (GLUM Model)</th>
<th>% DIFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLIN</td>
<td>778,427</td>
<td>791,423</td>
<td>1.67%</td>
</tr>
<tr>
<td>DALLAS</td>
<td>2,337,741</td>
<td>2,355,498</td>
<td>0.76%</td>
</tr>
<tr>
<td>DENTON</td>
<td>652,270</td>
<td>635,907</td>
<td>-2.51%</td>
</tr>
<tr>
<td>ELLIS</td>
<td>148,000</td>
<td>150,331</td>
<td>1.57%</td>
</tr>
<tr>
<td>HOOD</td>
<td>50,481</td>
<td>48,139</td>
<td>-4.64%</td>
</tr>
<tr>
<td>HUNT</td>
<td>84,260</td>
<td>86,079</td>
<td>2.16%</td>
</tr>
<tr>
<td>JOHNSON</td>
<td>148,290</td>
<td>151,331</td>
<td>2.05%</td>
</tr>
<tr>
<td>KAUFMAN</td>
<td>102,014</td>
<td>105,714</td>
<td>3.63%</td>
</tr>
<tr>
<td>PARKER</td>
<td>113,806</td>
<td>109,784</td>
<td>-3.53%</td>
</tr>
<tr>
<td>ROCKWALL</td>
<td>77,678</td>
<td>78,509</td>
<td>1.07%</td>
</tr>
<tr>
<td>TARRANT</td>
<td>1,788,400</td>
<td>1,771,758</td>
<td>-0.93%</td>
</tr>
<tr>
<td>WISE</td>
<td>58,147</td>
<td>59,472</td>
<td>2.28%</td>
</tr>
<tr>
<td>Total</td>
<td>6,339,514</td>
<td>6,343,945</td>
<td>0.07%</td>
</tr>
</tbody>
</table>
COMMENTS TO THE ENVIRONMENTAL PROTECTION AGENCY REGARDING PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

Regional Transportation Council

Chris Klaus, Senior Program Manager
March 12, 2015
Current Mix of Air Quality Activity

Sierra Club vs. EPA Consent Decree
Proposal on November 7, 2014

Pending Federal Transportation Conformity Determination
Local Approval by RTC on November 13, 2014

DC Court of Appeals
Issued December 23, 2014

Reclassification Under 85 ppb Ozone Standard
Proposed Rule on February 17, 2015

Implementation Rule for the 75 ppb Ozone Standard
Effective Date Anticipated Early April 2015

DFW State Implementation Plan for 2008 75 ppb Ozone Standard
Due To EPA by July 20, 2015

Proposed 65-70 ppb Ozone Standard
PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

8-Hour Ozone Standard Revision

November 26, 2014 - Proposed Rule Released by Environmental Protection Agency (EPA)¹

65 – 70 parts per billion (ppb) to Protect Public Health and Environment

EPA Accepting Comments as low as 60 ppb

Ozone Season Extended to March – November²

New EPA Air Quality Index to be Developed Based on New Standard

Additional Counties added to Nonattainment Area

December 17, 2014 – Proposed Rule Published in the Federal Register³

90-day Public Comment Period (Closes March 17, 2015)

¹http://www.epa.gov/glo/actions.html#nov2014
²January – December for South Texas
Comments

**Ozone Season Extended**
Encourage EPA to not implement extended ozone season in the Dallas-Fort Worth (DFW) nonattainment region from the end of October through the end of November.

**Impact of Background and Transport Ozone**
Encourage EPA to establish guidance on assessing impact of background and transport ozone on DFW airshed.

**Congestion Mitigation and Air Quality Improvement Funding**
Request a review of the equitability of how CMAQ funds are dispersed.

**Streamline Transportation Conformity**
Establish a national committee to revise the transportation conformity rules.

**Modernizing NAAQS Review Frequency**
Encourage EPA to revisit the five-year National Ambient Air Quality Standards review timetable.
Authorize RTC Chair to Submit Comments to the EPA, No Later Than March 17, 2015.
PROPOSED RULE: NATIONAL AMBIENT AIR QUALITY STANDARDS FOR OZONE

For Further Information

Chris Klaus
Senior Program Manager
817-695-9286
cklaus@nctcog.org

Jenny Narvaez
Principal Transportation Planner
817-608-2342
jnarvaez@nctcog.org

Jody Purvis Loza
Air Quality Planner
817-704-5609
jloza@nctcog.org
Federal Legislative Update

Appropriations Subcommittees Continue to Meet on FY16 Appropriations Requests

Passenger Rail Reform & Investment Act of 2015 (PRRIA) - HR 749, Passed House, No Current Senate Plans

Congress Needs to Address Funding the Highway Trust Fund, MAP-21 Extension, FAA Reauthorization, Rail Reauthorization, FY16 Appropriations
Regional Transportation Council
State Legislative Program

Legislation to Actively Pursue

✔ Identify Additional Transportation Revenue

❌ Retain Limited Authority for TxDOT to Enter into Public-Private Partnerships on Specific Projects

✔ Support Full Funding for the AirCheckTexas Program

❌ High-Speed Rail
84th Texas Legislature

New House Transportation Subcommittee on Long-Term Transportation Infrastructure Planning
   ◦ Rep. Ron Simmons, Chair

State Budget - HB 1/SB 2
   ◦ House Appropriations and Senate Finance Continue to Meet - Different funding levels
   ◦ LIRAP/LIP and TERP - Article VI Baseline Funding Approved by House, $81M Each Pending and Moved to Article XI
84th Texas Legislature
Bills of Interest

Transportation Revenue

SB 5, SJR 5 (Nichols)

- Constitutionally Dedicates $2.5B of Motor Vehicle Sales Tax Per Year for General Fund, Next $2.5B to State Highway Fund, Splits Additional Funds 50/50
- Passed Senate Floor with One Amendment
- Amendment Takes 20 Percent of GR Funds Above $5B for Education

Others: diversions, other fees to SHF, local registration
84th Texas Legislature
Bills of Interest

Public-Private Partnerships on Specific Projects

SB 1045 (Hall)

- Allows TxDOT to Enter into Design-Build Contract on IH 635E, but Not as a Toll Project
- Filed, Not Yet Referred to Committee

Three total CDA bills filed, Related to IH 35 in Travis County and FM 1925 in South Texas
AirCheckTexas Program (LIRAP/LIP) Funding

HB 1030 (Leach)
- Would Expand the Program
- Referred to House Environmental Regulations

SB 922 (Watson)/HB 1961 (Giddings)
- Allows the Program to Operate at the County Level
- SB 922 Referred to Senate Natural Resources and Economic Development, HB 1961 not yet referred to committee
High-Speed Rail

HB 1876 (Bell)

◦ Requires Notification to Legislators and County Judges for an Electric Railway Project Environmental Application or Notice

HB 1889 (Metcalf)

◦ Electric Railway Project Requires County or Municipality Approval for Construction

Both Filed, Not Referred to Committee Yet
84th Texas Legislature
Additional Topics of Interest

◦ Air Quality
◦ Aviation/Encroachment/UAS
◦ Bike/Ped Unprotected Road Users
◦ Transit
◦ Dedicated Revenue Accounts
◦ Eminent Domain
◦ Red Light Cameras
◦ MPOs
◦ Tolls/Managed Lanes
◦ Statewide Planning
84th Texas Legislature
Additional Bills of Interest

Air Quality

HB 735 (Israel)
- Establishes a Program to Collect Information on the Number of Alternatively Fueled Vehicles Registered in Texas
- Would Help Provide Emissions Reduction Data, Forecast Revenue, Monitor Performance Measures, Streamline New Requirements
- Referred to House Transportation
84th Texas Legislature
Additional Bills of Interest

Transit

HB 1944 (Simmons)/SB 678 (Nelson)
  ◦ Limited Liability for Rail Incidents

Planning

HB 20 (Simmons)
  ◦ Establishes Advisory Committees for Transportation Planning, Project Selection
Action Requested

Provide a Letter Support for HB 735

◦ Collecting Information on the Number of Alternatively Fueled Vehicles Registered in Texas

RTC to Consider Any Other Needed Actions Related to Bills of Interest
Contact Information

Amanda Wilson, AICP
Public Involvement Manager
awilson@nctcog.org
(817) 695-9284

Rebekah Hernandez
Communications Coordinator
rhhernandez@nctcog.org
(817) 704-2545

www.nctcog.org/trans/legislative
TRANSPORTATION ALTERNATIVES PROGRAM
CALL FOR PROJECTS
Texas Department of Transportation

Regional Transportation Council
March 12, 2015
Karla Weaver, AICP
Important Dates

- **Open:** January 16, 2015

- **Submission Deadline:** May 4, 2015 (5:00 pm CDT)

- Estimated **$52 Million** in Federal Funds (FY 2013, 2014, 2015, and 2016) Anticipated to be Available
TxDOT TAP Funding

- **Statewide:** 50%
  - Any Area of the State
- **MPO TAP:** 33%
  - Serving Urbanized Areas with a Population Over 200,000
- **TxDOT TAP:** 17%
  - Serving Urbanized Areas with Populations 5,001 – 200,000 and Areas of the State with Populations 5000 or Less

- **Strategic Priorities Program**
- **MPO Call for Projects 2014**
- **TxDOT Current Call for Projects**
Areas outside the following large urbanized areas are eligible:
TxDOT TAP Workshop

- On **March 10, 2015**, NCTCOG hosted a workshop facilitated by representatives from the Dallas, Fort Worth, and Wichita Falls TxDOT District Offices.

- Information is available online: [nctcog.org/TAP](http://nctcog.org/TAP)

- Deadline to request letters of support from NCTCOG no later than **April 20, 2015**.
Questions?

Karla Weaver, AICP
Program Manager
(817) 608-2376
kweaver@nctcog.org

Kevin Kokes, AICP
Senior Planner
(817) 695-9275
kkokes@nctcog.org

TxDOT District Contacts:

Fort Worth - Phillip Hays
(817) 370-6591
Phillip.Hays@txdot.gov

Paris - Sydney Newman
(903) 737-9285
Sydney.Newman@txdot.gov

Dallas - Godfrey Sendawula
(214) 789-6266
Godfrey.Sendawula@txdot.gov
RTC Sustainable Development Policy

**Utilize Existing System Capacity**
- Single use area type, non-transit, connected to existing infrastructure
- Infill rail
- Infill mixed-use with rail access

**Promote Mixed-Use**
- Mixed-use with rail
- Infill mixed-use
- Stand alone mixed-use

**Improve Rail Mobility**
- Commuter rail/light rail in single use areas

**Improve Access Management**
- Shared drives/parking, spacing of turns/signals
Sustainable Development Call for Projects (SDCFP)

Three Calls for Projects

2001 | 2005-2006 | 2009-2010

Project Criteria

- Walking Distance to Existing or Potential Future Rail Station
- Areas with Concentrations of Unemployed People
- Areas with High-Emitting Vehicles
- Areas with Higher Concentrations of Low-Income Households
- Historic Downtowns with Multiple Contiguous Blocks of Pedestrian-Oriented Developments

City of Arlington – College Town
# SDCFP – Number of Net Funded Projects

<table>
<thead>
<tr>
<th>Project Type</th>
<th>2001</th>
<th>2005-2006</th>
<th>2009-2010</th>
<th>Total Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
<td>13</td>
<td>20</td>
<td>26</td>
<td>59</td>
</tr>
<tr>
<td>Planning</td>
<td>2</td>
<td>11</td>
<td>7</td>
<td>20</td>
</tr>
<tr>
<td>Landbanking</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Number of Projects</strong></td>
<td><strong>15</strong></td>
<td><strong>33</strong></td>
<td><strong>33</strong></td>
<td><strong>81</strong></td>
</tr>
<tr>
<td>Project Type</td>
<td>2001</td>
<td>2005-2006</td>
<td>2009-2010</td>
<td>Total Funding</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------</td>
<td>-----------</td>
<td>-----------</td>
<td>---------------</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>$42.0</td>
<td>$39.9</td>
<td>$53.0</td>
<td>$134.9</td>
</tr>
<tr>
<td>Planning</td>
<td>$3.6</td>
<td>$3.8</td>
<td>$1.0</td>
<td>$8.4</td>
</tr>
<tr>
<td>Landbanking</td>
<td>$0.0</td>
<td>$1.4</td>
<td>0</td>
<td>$1.4</td>
</tr>
<tr>
<td>Total Funding</td>
<td>$45.6</td>
<td>$45.1</td>
<td>$54.0</td>
<td>$144.7</td>
</tr>
</tbody>
</table>
SD Project Implementation Status

8 Years
(on average with CMAQ and STP-MM)

$34.0 (12)

2001 LU/ TR Joint Venture Program

$11.6 (3)

5 Years
(on average with RTC-Local)

$30.5 (27)

2005-2006 SDCFP

$14.6 (6)

$7.7 (10)

2009-2010 SDCFP

Total Project Cost in Millions (Number of Projects)
Transit-Oriented Development (TOD)

• Land Planning and Building Orientation Geared Toward Encouraging Pedestrian Activity and Transit Use

• Around Quarter- to Half-mile of Passenger Rail Stations

TOD Supported by Sustainable Development Funding Program

- $95 Million out of $144.7 Million (66%)
What’s within ½ mile of Existing Rail Transit Corridors in the North Texas Region?

- In 2012, 1 in 8 people lived along rail.
- 37 Hospitals
- 28% of the regional population over age 65 in 2012
- 20% of car-free households plus 15% of Millennials (ages 18-34 in 2012) live near rail
- 241 Parks covering 17,000 acres of green space
- An area equal in size to DFW Airport
- 30% of all jobs in the 12 county metropolitan area

17 Colleges
59 Secondary Schools
58 Elementary Schools
88 Shopping centers near rail
Over 300,000 housing units near transit, 116,000 of them are multi-family

Source: U.S. Census and NCTCOG Data
Regional Benefits of Sustainable Development Funding Program

City of Richardson – Eastside Mixed-Use Development

City of Fort Worth – West 7th

Residential Units
Added Approximately 10,900 Units

Commercial Space
Added Approximately 3.5 Million Square Feet

Accommodate 10,300 Jobs at Full Occupancy
Regional Benefits of Sustainable Development Funding Program

Within a Half-Mile of a Sustainable Development Project

- 42 Projects Near Transit Station
- 47 Projects Near a School
- 52 Projects Near a Major Employer (100+ Employees)
- 57 Projects Near Major Shopping Center

Public-Private Partnerships

City of Fort Worth – Museum Place Mixed-Use Development

City of Garland - Downtown TOD
Sustainable Development Planning Projects

• Rail Station Area/TOD Plans

• Infrastructure Analysis

• Land Use-Transportation Corridor Studies (Urban Thoroughfares)

• Context Sensitive Transportation Plans

• Form-Based Codes and Design Guidelines

• Downtown Plans/Area Visioning Studies
Questions?

Contacts

Karla Weaver, AICP
Program Manager
(817) 608-2376
kweaver@nctcog.org

Patrick Mandapaka, PhD, AICP
Senior Transportation Planner
(817) 704-2503
pmandapaka@nctcog.org

For additional information, visit: http://www.nctcog.org/trans/sustdev/fundingprogram.asp
Unmanned Aircraft Systems

Regional Transportation Council

March 12, 2015
UAS Defined

UAS is an unmanned aircraft and all of the associated support equipment:

- Control station
- Data links
- Telemetry
- Communications and navigation
- Operator

Source: FAA
Benefits of UAS

• Low initial and operating costs
• Multiple law enforcement applications helping prevent loss of life
• Commercial growth
  ▪ Aerial photogrammetry and surveys
• Less noise than manned aircraft
• Fewer emissions than manned aircraft
• More dynamic operations

Sample UAS Imagery
Wildfire Damage – Bastrop, Texas

Courtesy: Arlington Police Department
Federal Guidance

Commercial – Prohibited unless granted FAA exemption or Airworthiness Certificate
Recently released NPRM (55lbs or less, daylight only, less than 100 mph)

Hobbyist – Authorized for hobby or recreational purposes only
• Must not interfere with manned aircraft
• Flown within sight of the operator
• Within 5 miles of airport must notify the airport/air traffic control

Military – Authorized through military branch/Department of Defense

Certificate of Authorization (COA) – FAA permits public agencies and organizations
to operate a particular aircraft, for a particular purpose, in a particular area
Texas State Regulation

Texas Privacy Act HB 912 relating to images captured by unmanned aircraft allowable for:

• Professional or scholarly research
• Military operations
• With consent of owners/occupants of real property in image
• Image captured by a law enforcement authority
• Operations in airspace designated as FAA UAS test site or range
Current Events

“FAA reports pilots have seen up to 25 cases per month of drones flying above the regulated limit of 400 feet, with some flying as high as 2,000 feet in the air.” -CNN

October 2014: FAA investigates UAS crash in Dallas Love Field’s airspace. -NBC DFW
Operator Education

• UAS incidents rising, increasing activity

• Operator resources
  ▪ Government, Industry – FAA, AMA, AUVSI, Small UAV Coalition
  ▪ Aircraft Owners & Pilots Association (AOPA)
NCTCOG Airport System Plan
Recommendations

Data collection
• Track regional UAS operations

Planning
• Infrastructure, necessary security enhancements, airspace, and airport land-use compatibility

Communication
• Organize regional UAS group
• Facilitate outreach and education for regional UAS activity
Regional Coordination

ATTAC Concerns

Privacy

Conflict with manned aircraft

Notification/approval

Operator training/education

Source: ATTAC UAS Survey

NCTCOG Staff Actions

• Committee UAS Workshops – 2014/2015

• Developed online information clearinghouse www.nctcog.org/uas

• Drafted regional guidance report

• Engaged industry stakeholders

• Briefed policy officials and coordinated with FAA (Electronic Item 3.10)
Questions?

Mike Branum (UAS Projects Lead)
Transportation Planner
mbranum@nctcog.org
817-704-5642

Michael Mallonee
Principal Transportation Planner
mmallonee@nctcog.org
817-704-2513

www.nctcog.org/uas