

Electric Vehicles North Texas

**Interfacing Electricity and Transportation Networks: The Role of
Battery Electric Vehicles and Plug-in Hybrid Electric Vehicles**

Session 1: Collaborative Efforts and Stimulus Grants

Third Annual Workshop, College Station, Texas

October 20, 2010



North Central Texas COG

Voluntary Association Of, By and For Local Governments

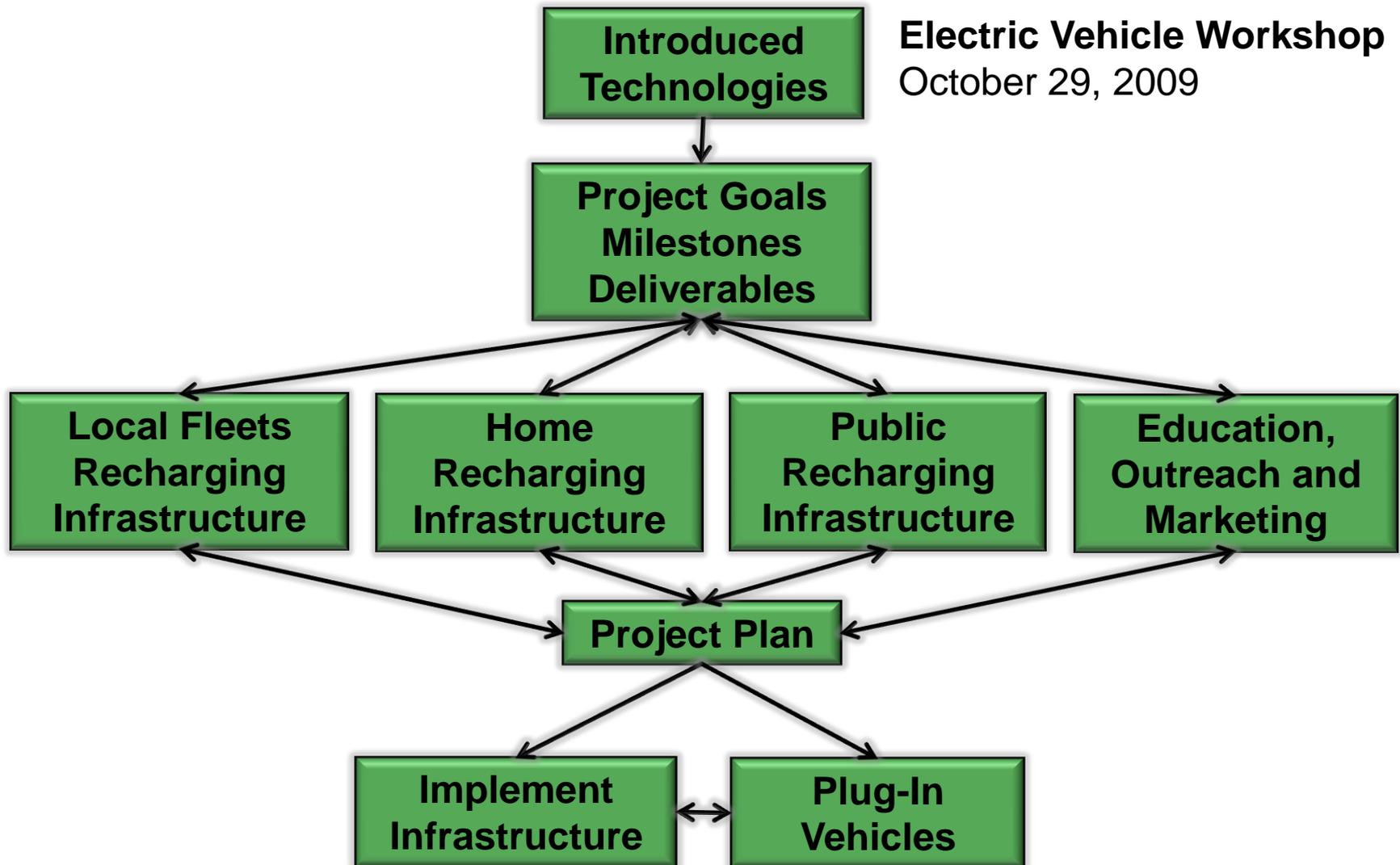
- 16-County Region Centered Around Dallas-Fort Worth (DFW)
- 230 Member Governments (Cities, Counties, Special Districts)
- Goals Include Planning for Common Needs, Cooperating for Mutual Benefit, and Coordinating for Sound Regional Development

Metropolitan Planning Organization Designation

- 12-County Metropolitan Planning Area
- Nine-County Ozone Nonattainment Area-1997 8-Hour NAAQS
- Responsibilities Include Reducing Congestion, Enhancing Mobility, and Improving Air Quality

Program Structure

Electric Vehicle Workshop
October 29, 2009



Stakeholders and Interested Parties

Local Governments

City of Arlington
City of Burleson
City of Carrollton
City of Dallas
City of Forest Hill
City of Fort Worth
City of Garland
City of Haltom City
City of Irving
City of Kaufman
City of Mansfield
City of Plano
City of Richardson
City of Rowlett
Dallas Police Department
Town of Westlake
Dallas Fort Worth International Airport
Rockwall Independent School District
Metroplan, Little Rock, Arkansas

Regional Transportation Authorities

Dallas Area Rapid Transit (DART)
North Texas Tollway Authority (NTTA)

State/Federal Agencies

Environmental Protection Agency
General Services Administration

Universities/Research Groups

Houston Advanced Research Center
Southern Methodist University
Texas A&M University
Texas Christian University
University of Texas at Arlington
University of Texas at Dallas

Nonprofit Organizations

North Texas Clean Air Coalition
Downwinders at Risk
Texas Business for Clean Air

Stakeholders and Interested Parties

Utilities/Communications

Duncan Power
Energy Future Holdings Corp
Feris Electric Co. IEC
GE
NRG
Oncor Electric Delivery
Reliant Energy
TXU Energy

EcoGreenHotel
Ecotality
Eetrex Incorporated
Electric Mobile Cars
Emisstar LLC
ETEC
EV Autos Texas
EV Tech, Inc.
EVCarco, Inc.
EVXLabs
Facility Solutions Group
Ford Motor Company
General Motors
Green Car People
ICF International
Navistar Electronics
Nissan

Plug Smart
Plug-In Vehicle Solutions, Inc.
Positive Energy Resources
Raytheon
Shoppas Material Handling
Smith Electric Vehicles
TBD America, Inc.
Texas ESO Inc.
TNMP
Vectrix
Verdex
Vitron Group

Industry/Consulting

3 Million Renewable Energy
A123 Systems
Adventure Golf Cars, LLC
Aeroviroment
Better Place
Boulder Electric Vehicle
Daffer McDaniel, LLP
Earth People Co

Regional Interest

General Public

Technology	Reservations	Hand Raisers
Nissan Leaf	250	40,000

Source: Nissan

Local Governments and Agencies

Technology	Actively Pursuing	Interested, but Not Pursuing	Not Interested
Hybrid Vehicles	56%	36%	8%
Electric Vehicles	20%	57%	23%

Source: 2009 NCTCOG Survey

Recently Funded Projects

North Central Texas Council of Governments DOE and Texas SECO Recovery Act Funding

Ongoing

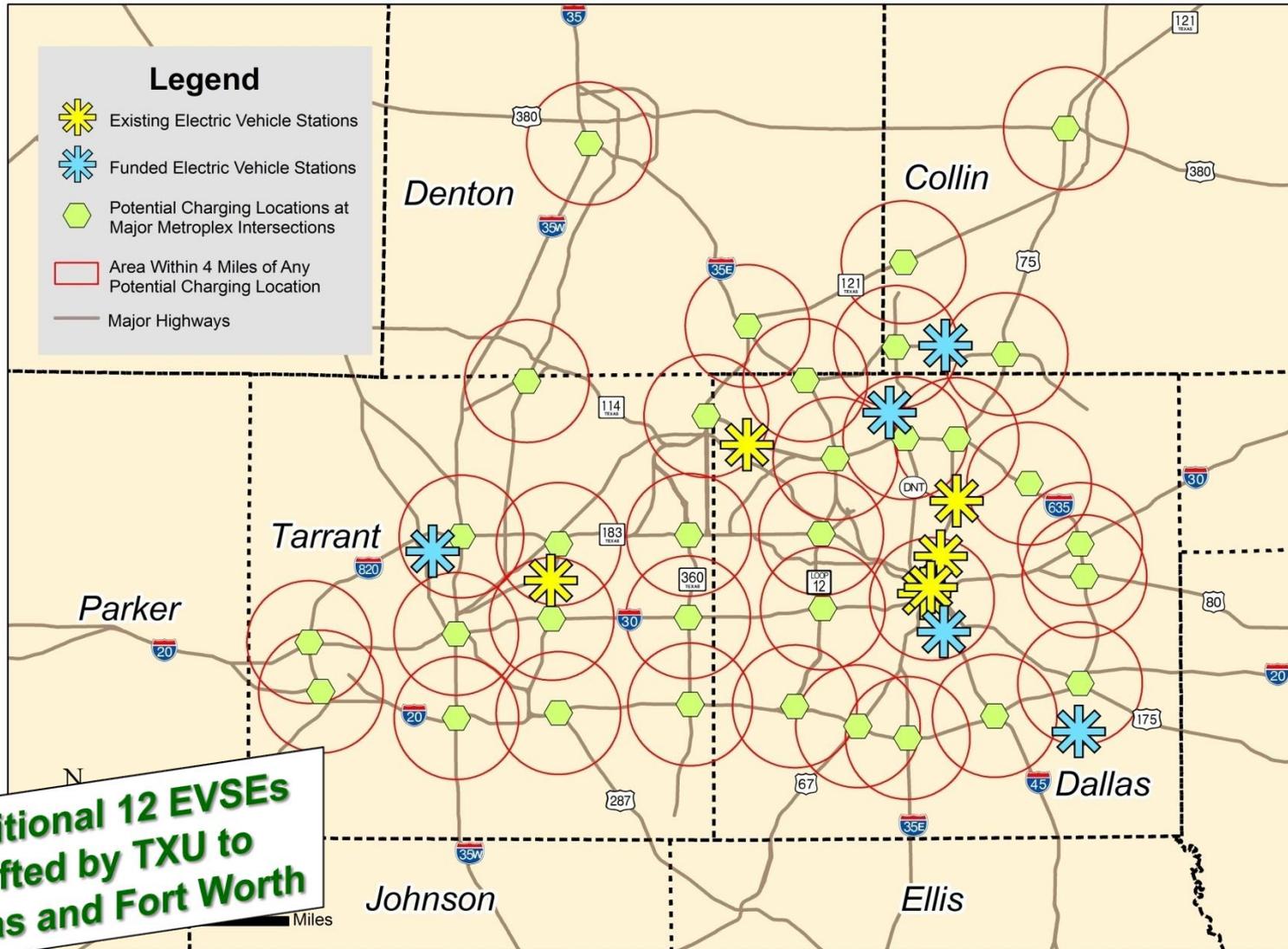
- 6 Electric Vehicle Recharging Stations
- 146 Light-Duty Gasoline-Electric Hybrid Vehicles
- 3 Light-Duty Plug-In Gasoline-Electric Hybrid Vehicles
- 1 Light-Duty Plug-In Electric Vehicles
- 25 Neighborhood Electric Vehicles
- 93 Heavy-Duty Diesel-Electric Hybrid Vehicles
- 9 Heavy-Duty Electric Vehicles

The EV Project –DOE and Ecotality

Upcoming

- Home Recharging Stations
(Number pending sale of vehicles in region)

Recharging Infrastructure



Additional Partnerships

**NCTCOG Statewide Electrification Collaboration
(Dallas-Fort Worth, Houston, Austin, San Antonio)**

**PHEV/EBVs: Transportation and Electricity Convergence
National Science Foundation Industry/University
Cooperative Research Center**

Project Get Ready and the Rocky Mountain Institute

2010 Program Deliverables

Regional and Statewide Coordination Groups

Needs and Opportunities Identification

Regional Data Products

Electric Vehicle Life Cycle Cost Modeler

Regional Contractor Listing

Draft EVSE Language for Inclusion into Regional Codes

State Fair of Texas EV Showcase

Initial Vehicle and Infrastructure Deployment

2011 Program Objectives

Training for Electricians, Inspectors, First Responders

Streamlined Permitting Process

Communication Protocol and Resources

Universal Recharging Station Signage

Preferential Parking Program and Other Incentives

Additional Funding for Regional Projects

Further Vehicle and Infrastructure Deployment

Public Outreach and Education

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