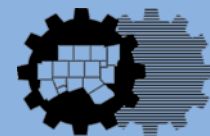


ELECTRIC VEHICLES NORTH TEXAS (EVNT)



NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS PUBLIC MEETINGS DECEMBER 2011



JENNY DANIEAU
SENIOR TRANSPORTATION PLANNER

ELECTRIC VEHICLES NORTH TEXAS

Plug-In Electric Vehicles



ELECTRIC VEHICLES NORTH TEXAS

First to Market



Chevrolet Volt
Extended Range Electric Vehicle
40 Mile Electric Range

Charging:
8 to 9 Hours at 120 Volts
3 to 4 Hours at 240 Volts

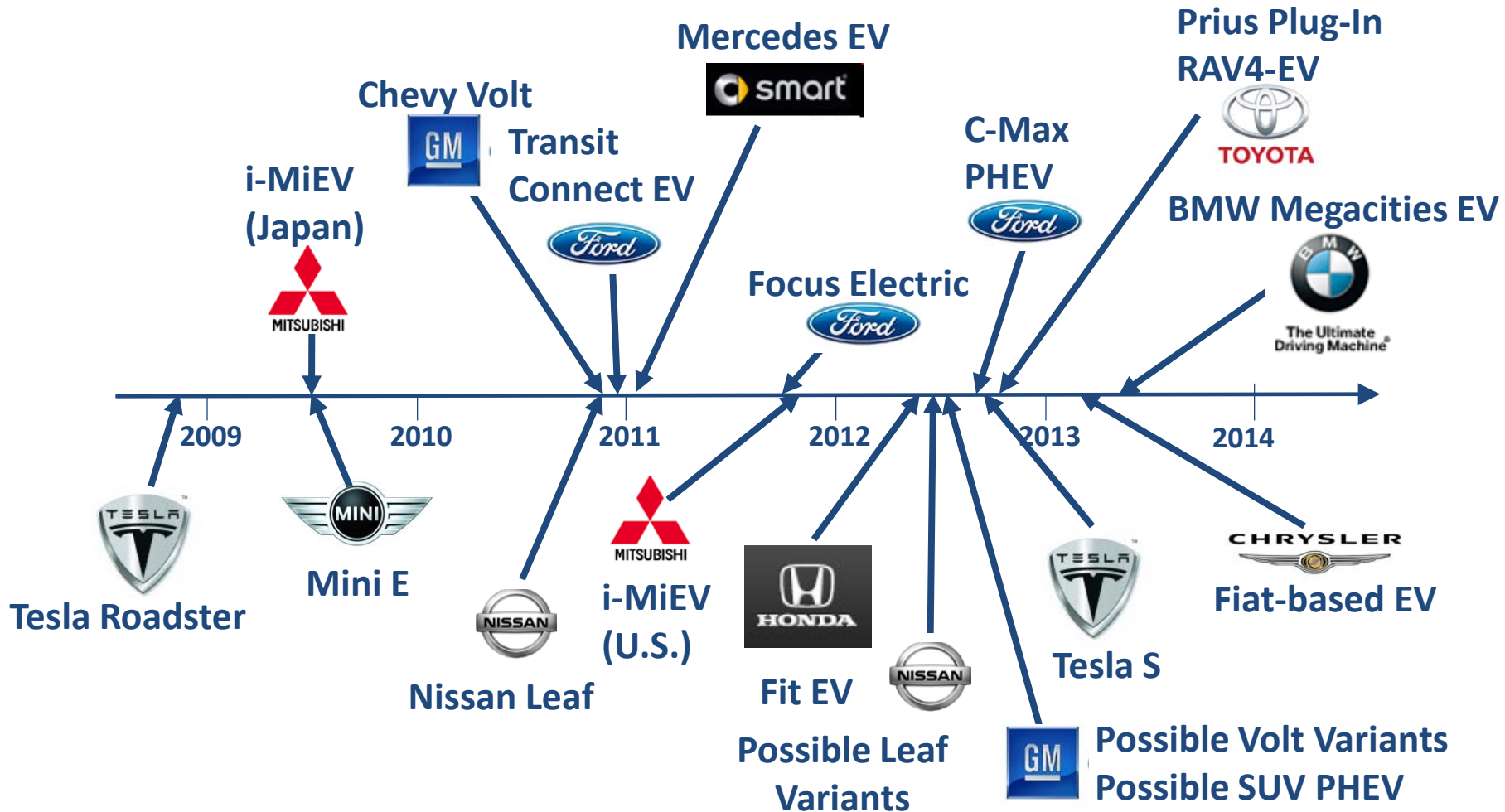


Nissan Leaf
Battery Electric Vehicle
100 Mile Electric Range

Charging:
20 Hours at 120 Volts
8 Hours at 240 Volts

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Plug-In Vehicle Commercialization Timeline



EV-Electric Vehicle
PHEV-Plug-In Hybrid Electric Vehicle
SUV – Sports Utility Vehicle

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Recharging Infrastructure Technology

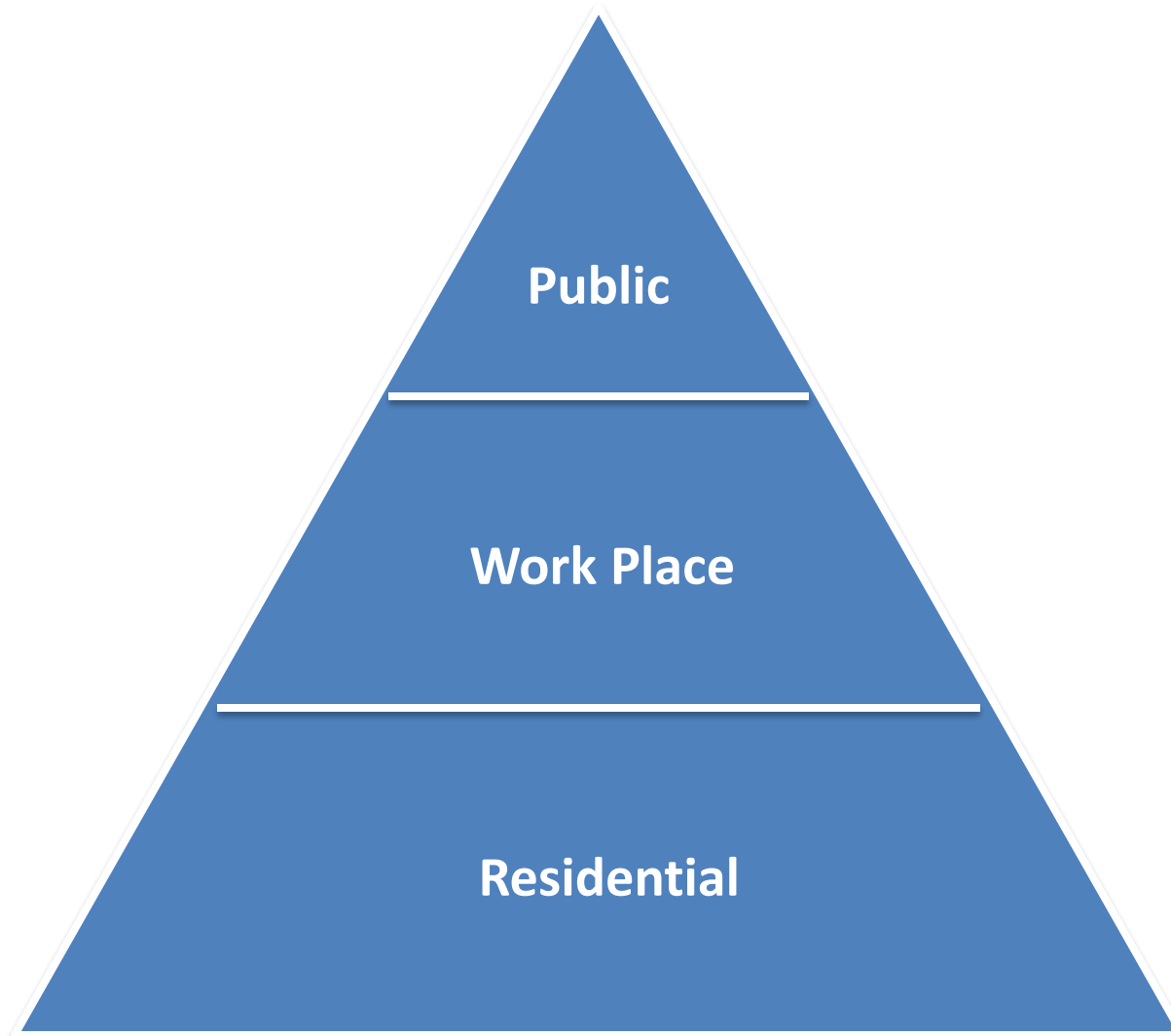


5 Cord Set

Electric Vehicles Supply Equipment

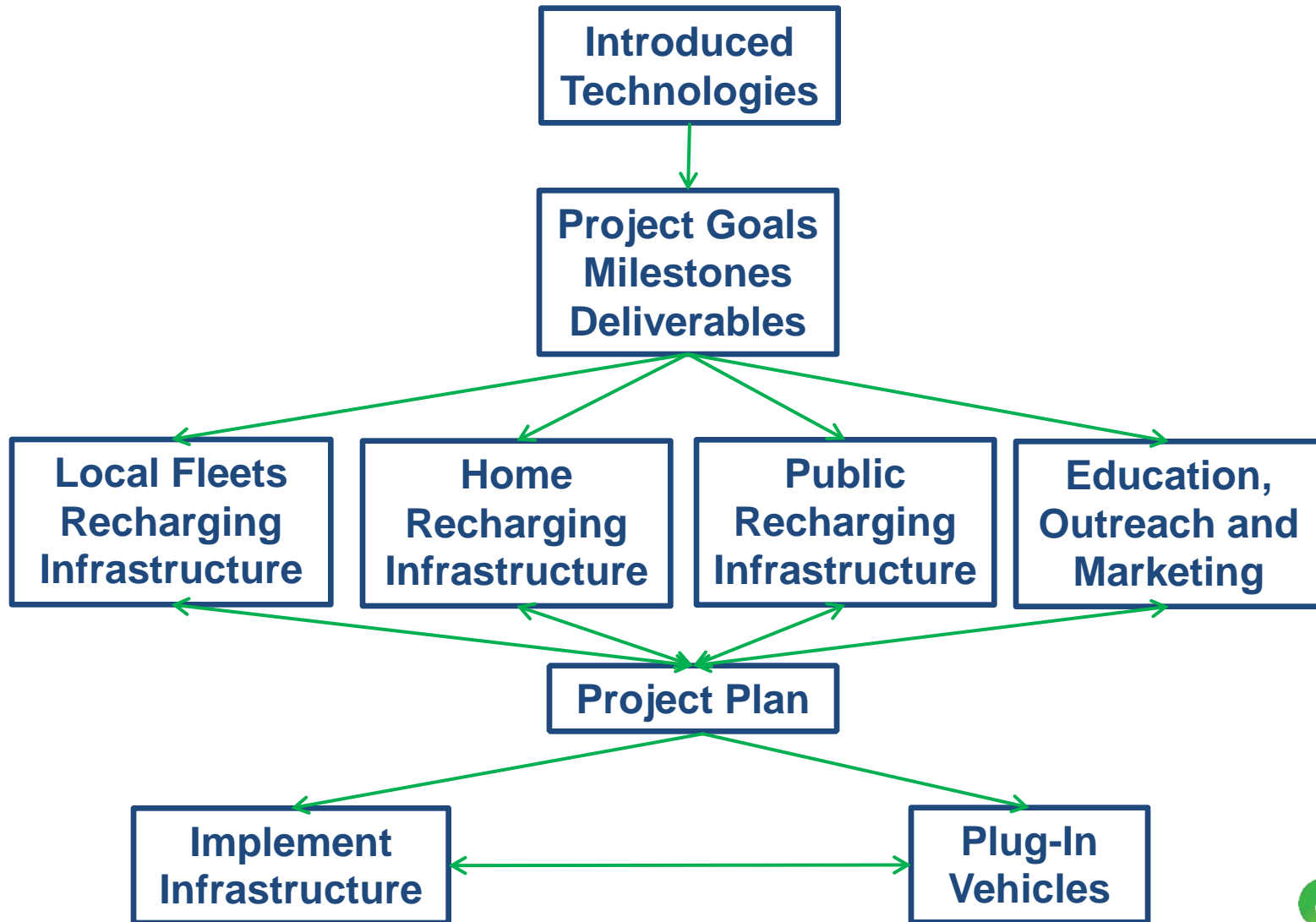
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Recharging Infrastructure Network



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EVNT Program



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EVNT Stakeholders and Interested Parties

Federal Agencies

Industry/Consulting

Local Governments

Nonprofit Organizations

Regional Transportation Authorities

State Agencies

Universities/Research Groups

Utility/Communication Companies

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Other Partnerships

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

 **Center for the Commercialization of Electric Technologies
Statewide Collaborative**

**Electric Vehicles - Transportation and Electricity Convergence
Transportation and Electricity Convergence**

Project Get Ready and the Rocky Mountain Institute

ELECTRIC VEHICLES NORTH TEXAS

EVNT Program Goals

Streamline Permitting Process for Home Recharging Infrastructure

Identify Work Place Charging Needs

Install Public Recharging Infrastructure Locations

Address Private and Public Fleet Needs

Provide Education and Training

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Streamline Permitting Process for Home Recharging Infrastructure

Regional Coordination

Upfront Costs

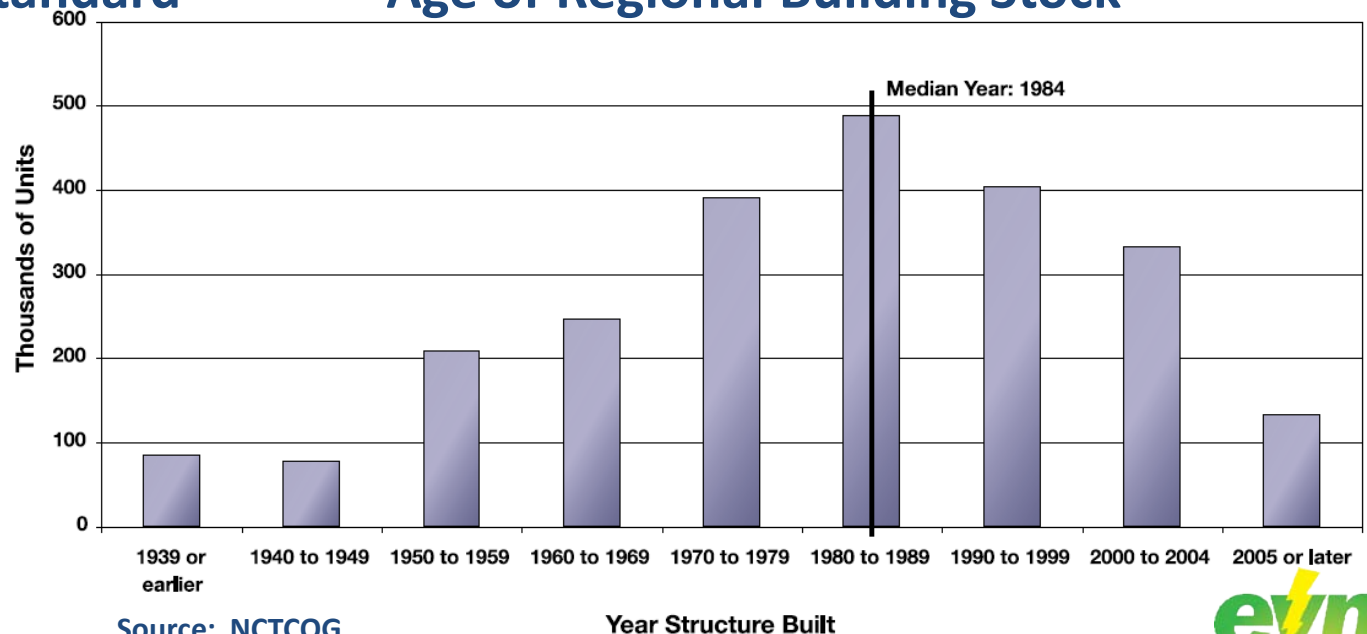
Permitting and Fee Schedule

Regional Contractor List

Building Codes

Minimum Standard

Age of Regional Building Stock



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Identify Work Place Charging Needs

High Interest

Training - What Business Community Needs to Offer Employees and Customers in Way of PEV Charging and Parking Opportunities

Incentives In Development

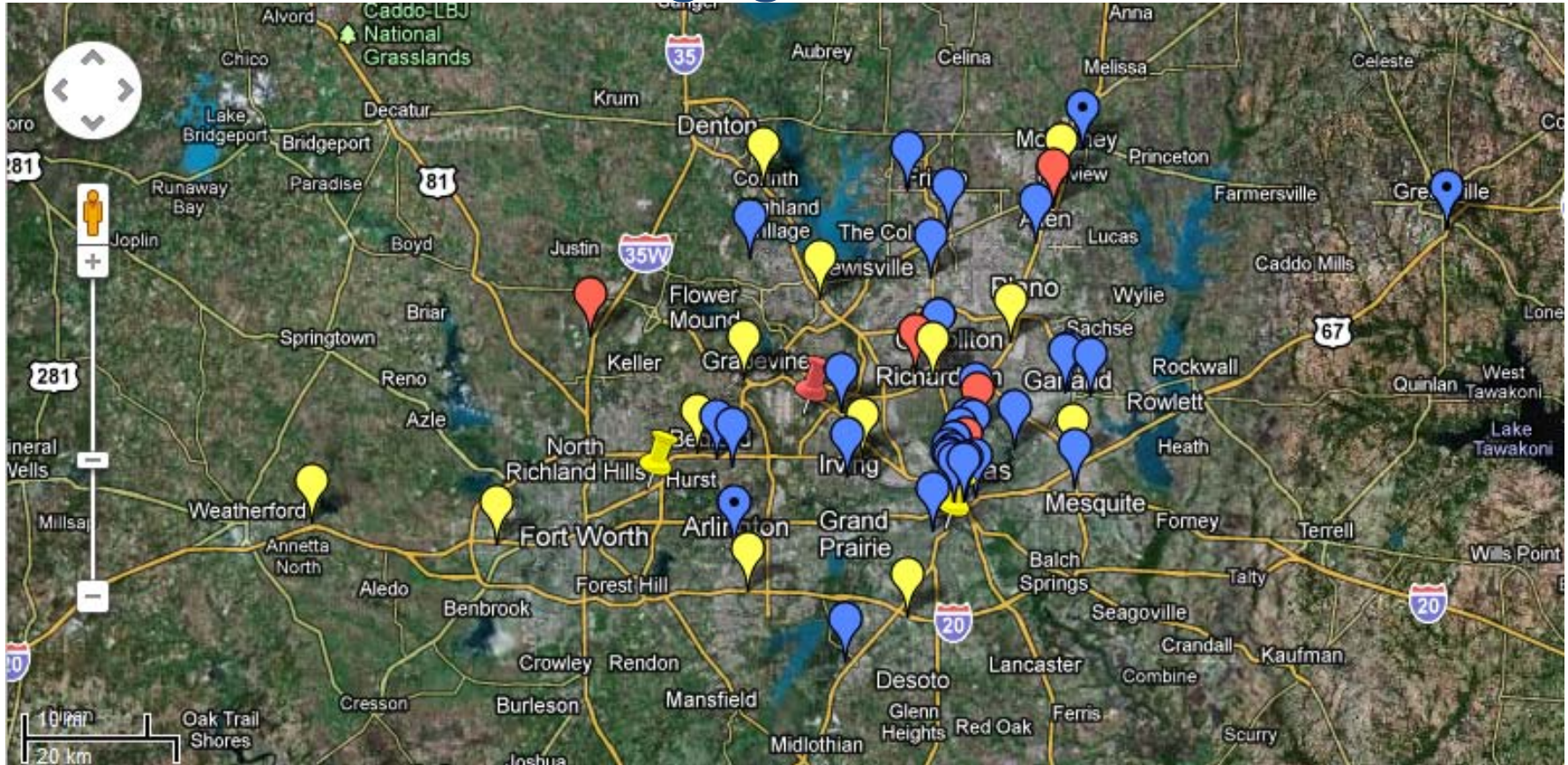
- **Free Charging During Work Hours**
- **Preferential Parking Program**
- **Employee Recognition**



Source: EV Charging at NCTCOG-Artist Rendition

ELECTRIC VEHICLES NORTH TEXAS

Install Public Recharging Infrastructure Locations



56 Active Current Locations

59% Blink Stations

32% Independent

9% ChargePoint Stations

1% eVgo



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Address Private and Public Fleet Needs

North Central Texas Alternative Fuel and Advanced Technology Investments - \$13.1 Million

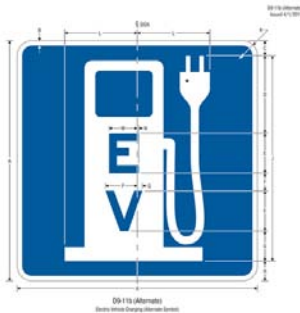
Clean Fleets North Texas - \$2.5 Million

Training for Fleet Owners and Technicians

Program Recommendations



Source: City of Garland



Regional Signage

Source: www.nctcog.org/evse

ELECTRIC VEHICLES NORTH TEXAS

Provide Education and Training (Completed and Ongoing)

Initial Workshop to Outline Steps Toward Development of Collaborative Group

Introduction of Technology

EVNT Ford Focus Ride and Drive and Panel Discussion

EV Showcase Produced through Partnership with NCTCOG/DFWCCC, the North Texas Clean Air Coalition, the USGBC North Texas Chapter and Chevrolet

Electric Vehicle and Infrastructure Demonstration Hosted by John Wright Associates and GE

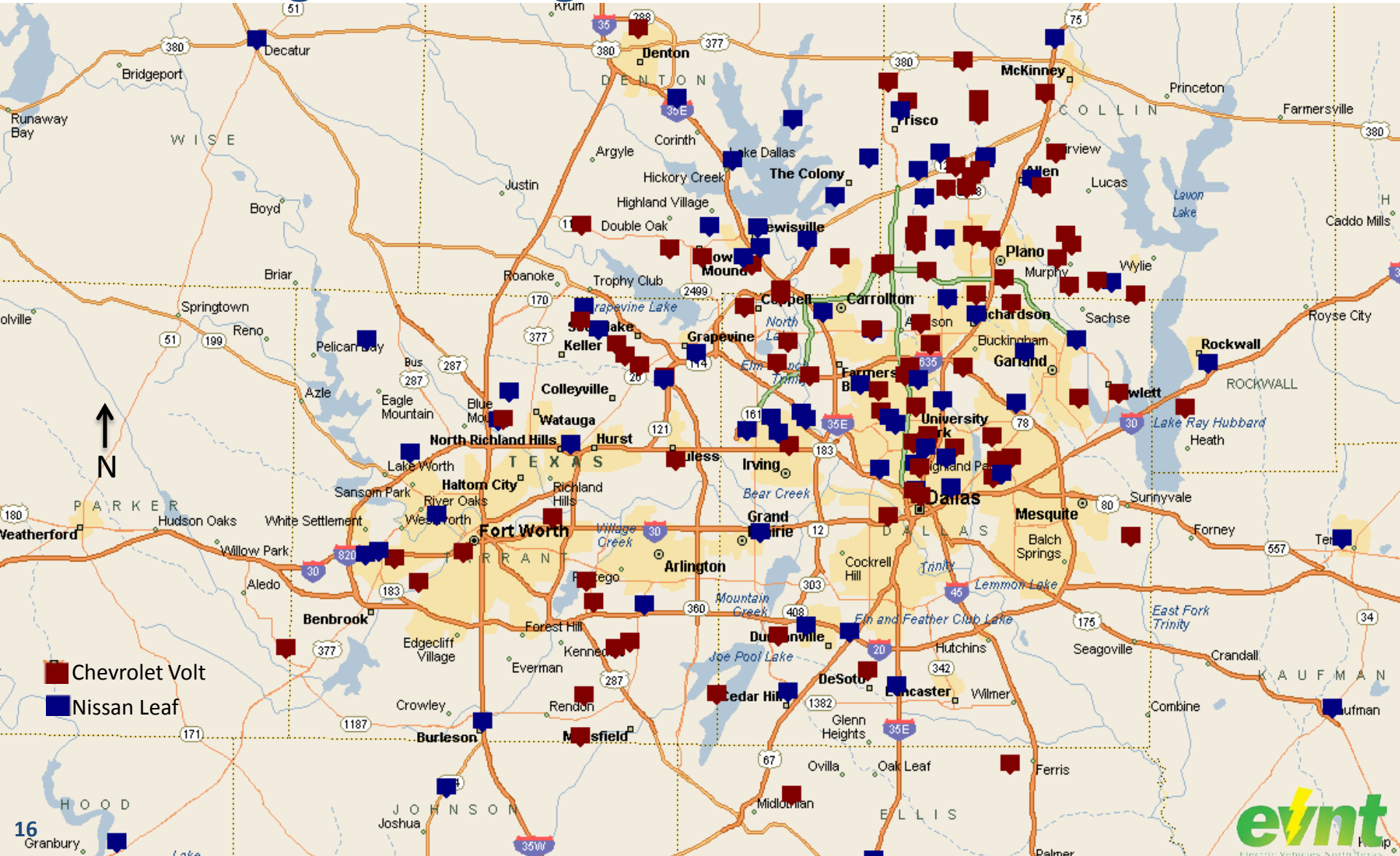
EVNT Inspector, Contractor, and First Responder Training



Source: Oncor Electric Delivery

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Registered Plug-In Vehicles in North Texas



ELECTRIC VEHICLES NORTH TEXAS

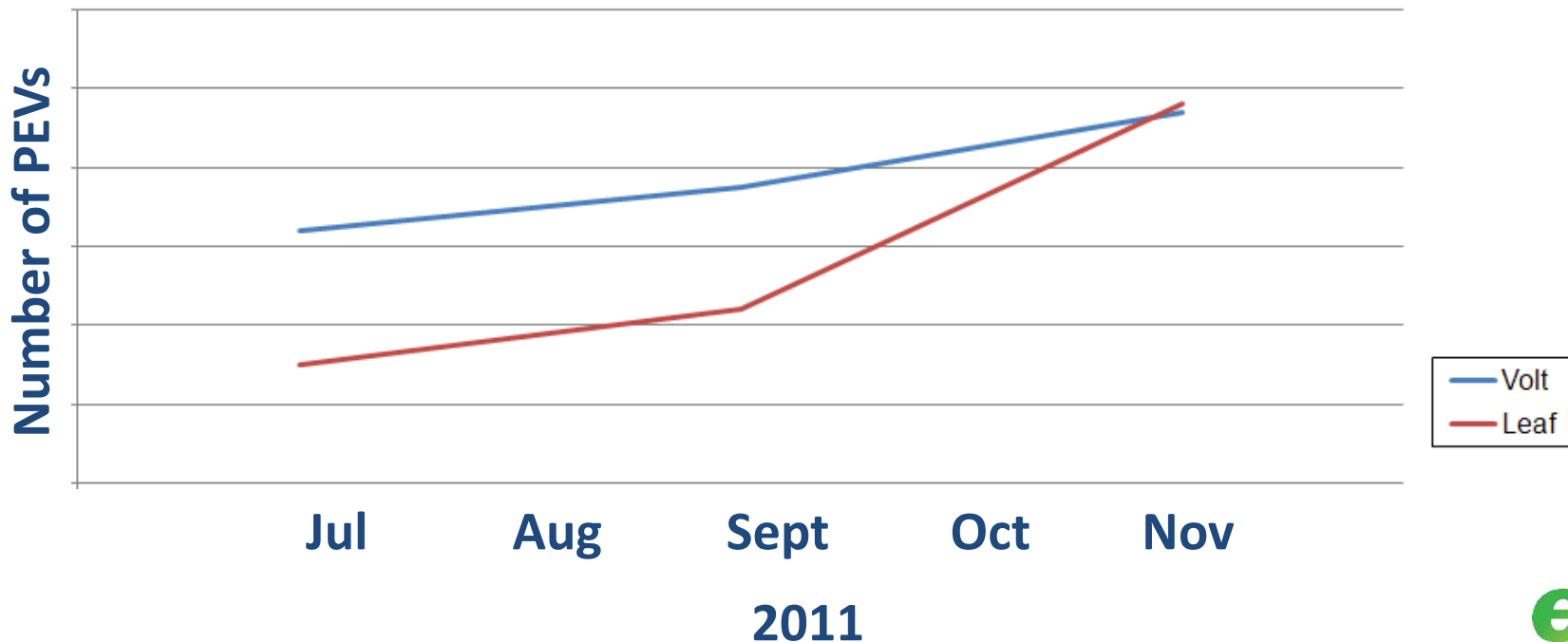
Registered Plug-In Vehicles in North Texas

Since August 2011:

24% Increase in Chevrolet Volts

73% Increase in Nissan Leafs

Nissan Leafs > Chevrolet Volts



ELECTRIC VEHICLES NORTH TEXAS

Tax Credits

Plug-In Electric Vehicles

Credit Amount: \$7,500

Phase-Out: Begins At Beginning of Second Quarter After Manufacturer
Produces 200,000 Vehicles, Counting From January 2, 2010

Over 10 Qualified Vehicle Models Receive Credit

Electric Vehicle Charging Infrastructure

Credit of 30% of Purchase and Installation Costs

Up to \$1,000 for Individuals/\$30,000 for Businesses

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Future Work

Promote Education and Outreach

- Best Practices
- Trainings
- Workshops
- Conferences

Submit Proposals for Funding

Identify Incentives

Research Zoning, Parking, and Other Local Ordinances to Help Facilitate Installation

Work with North Texas Chapter of USGBC for Incorporation of Residential Charging Units in New Construction

Expand Heavy-Duty Component of EVNT Program

Continued Coordination at Local and State Levels

ELECTRIC VEHICLES NORTH TEXAS

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