



Invitation to Participate in Charging Smart

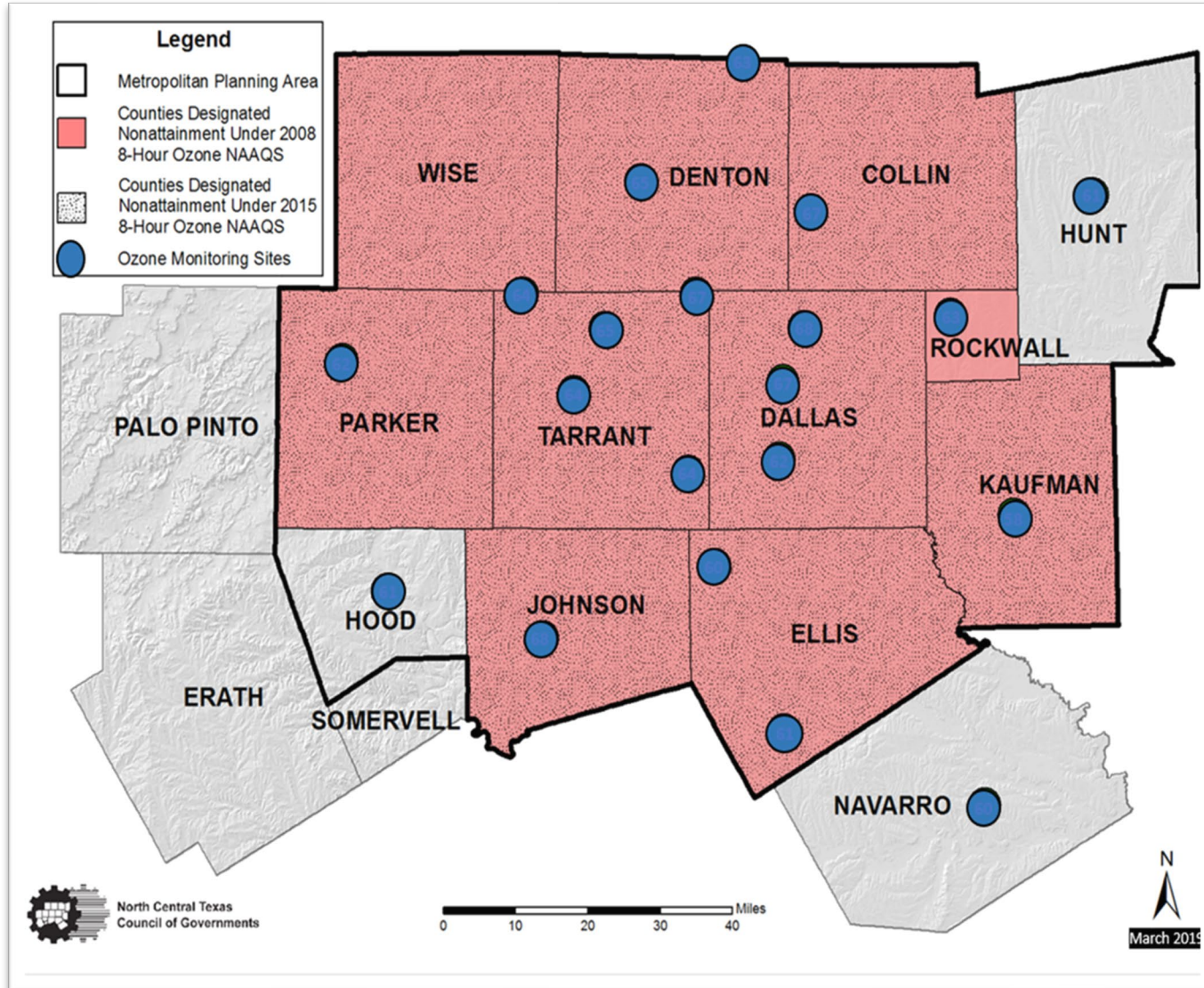
Amy Hodges
Principal Air Quality Planner

Carolyn Burns
Air Quality Planner

June 5, 2024



Dallas-Fort Worth Clean Cities



Regional Planning Agency



Metropolitan Planning Organization (MPO)

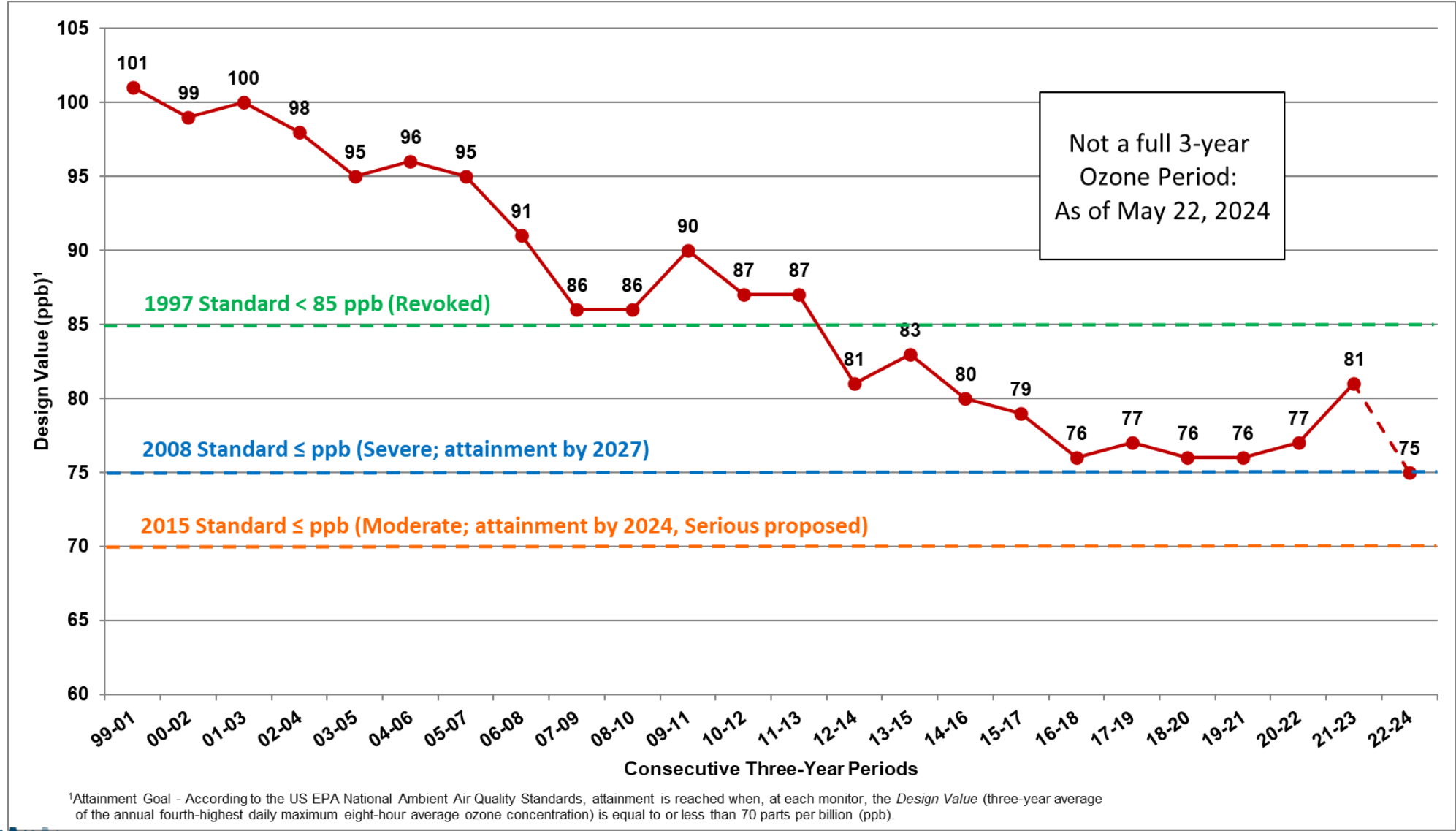


Local Clean Cities Coalition



Invitation to Participate in Charging Smart

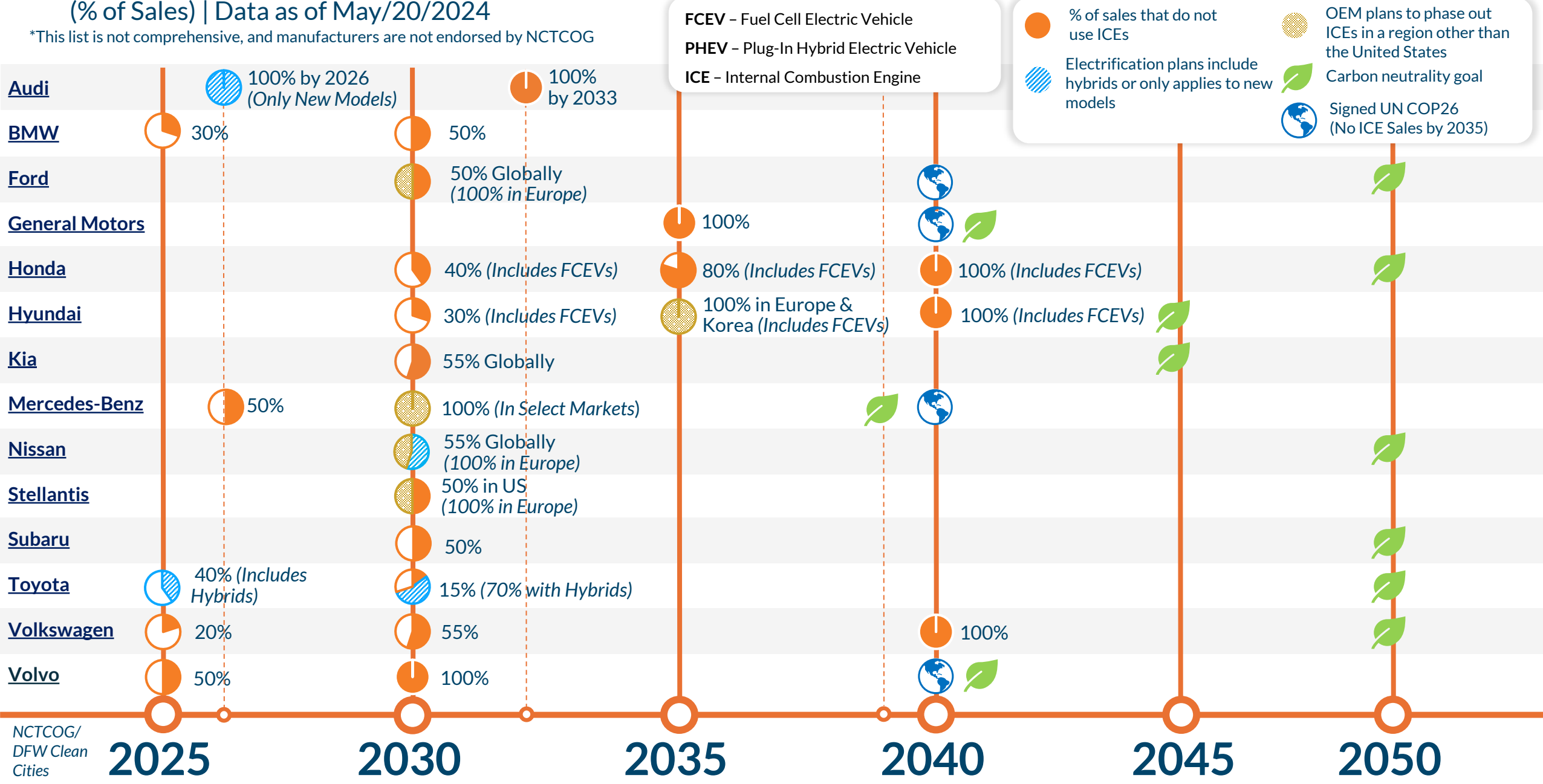
Air Quality Status in DFW



Electrification Transition Goals of Manufacturers

(% of Sales) | Data as of May/20/2024

*This list is not comprehensive, and manufacturers are not endorsed by NCTCOG



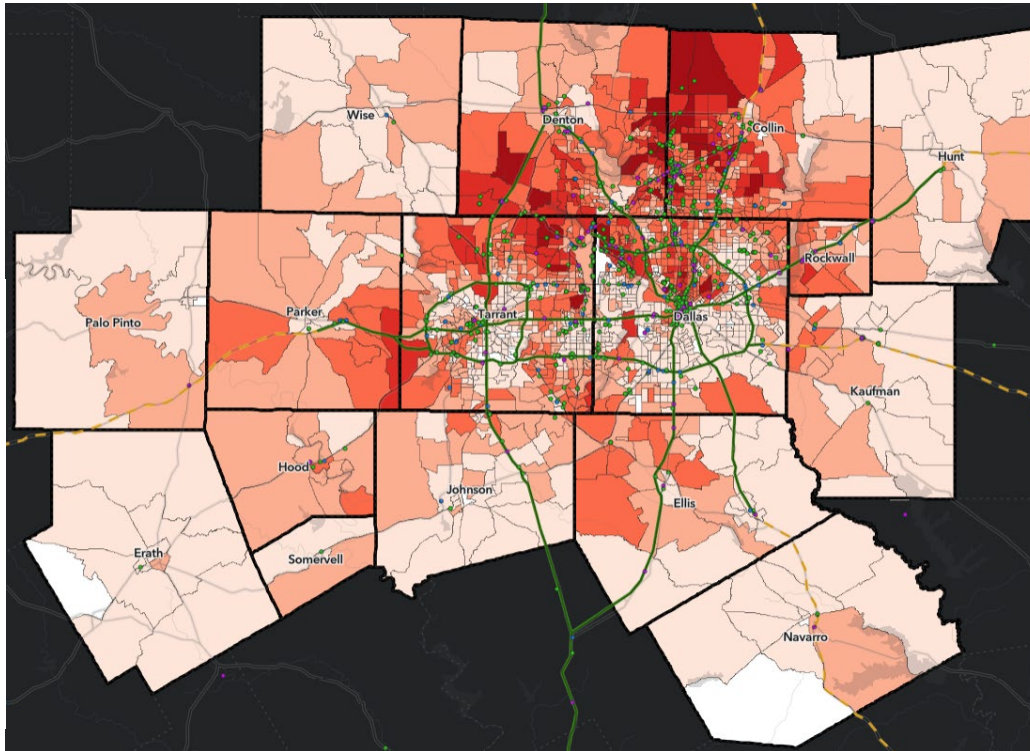
EV Registration in North Texas

EV Charging Type

- DC Fast Charge
- Tesla
- Level 2

Census Tract EV Registration

Electric Vehicles



Electric Vehicle (EV) Registration Data

www.dfwcleancities.org/evnt -> EVs and Texas

Region	May 2023	May 2024	Increase
Texas	191,690	275,717	44%
Dallas-Fort Worth (DFW)	69,996	101,640	45%
Austin	39,034	54,375	39%
San Antonio	18,634	25,293	36%
Houston	45,566	68,676	51%

Charging Sites Statewide (includes Tesla):

- 3,178 Level 2
- 579 DC Fast

afdc.energy.gov/stations

Charging Smart 101

- A structured technical assistance and designation program that supports local governments in setting and achieving equitable EV-readiness goals
- Provides tools for communities to streamline planning, permitting, and inspections to develop EV infrastructure and support e-mobility and fleet operations
- Developed and led by the Interstate Renewable Energy Council (IREC); awarded by the Department of Energy
- Dallas-Fort Worth Clean Cities (DFWCC) provides no-cost technical assistance to communities
- Supports the Justice40 Initiative, targeting benefits towards disadvantaged and lower-income communities
- Implemented through Clean Cities Coalitions in participating states and regions
- Modeled after SolSmart, another IREC program

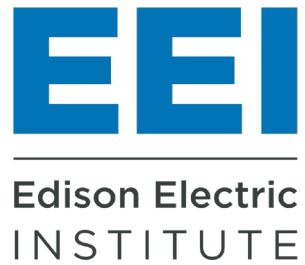


Partners

Technical
Leads:



Industry:



Recruiting Partners:



Invitation to Participate in Charging Smart

Charging Smart Brief History

- **2016** IREC & the International City/County Management Association (ICMA) launched the DOE funded SolSmart program
 - Now over 500 local government designees
- **2021** IREC began working with GPI on a concept for Charging Smart
- **2022** GPI began piloting Charging Smart in MN, MI, & OH
- **2022** MMC (Metropolitan Mayors Caucus) launched a program in northern IL
- **October 2023**, Charging Smart award begins



Charging Smart Timelines

- IREC selected by DOE for negotiations for a larger Charging Smart 2.0 award for a national program: January 2024
- National launch in Fall 2024
- First Clean Cities Coalition cohort in Virginia, Colorado, north Texas and south CA: launch March 2024
- Second CCC cohort in Tennessee, Louisiana, Connecticut, Oregon/Washington: launch July 2024



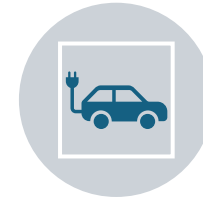
Program Benefits



Increases efficiency,
cutting costs and staff
time



Showcases
achievements via
media opportunities
and events



Spurs development of
public EV charging

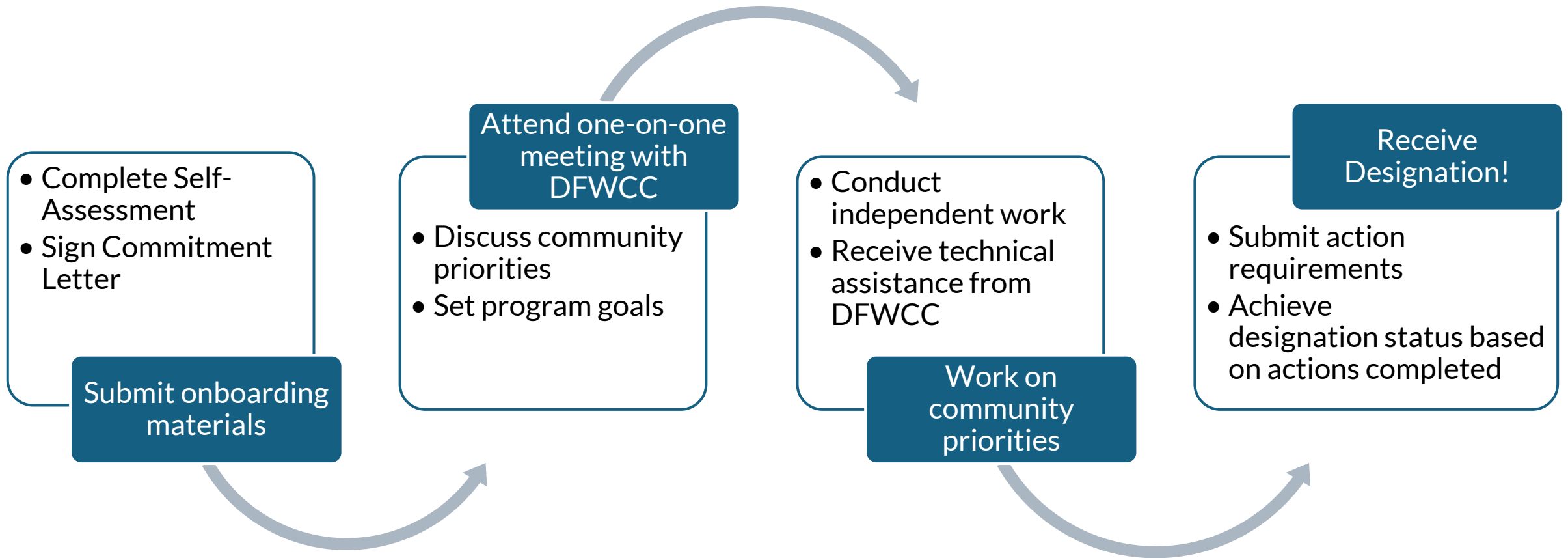


Ensures distribution
of equitable charging
portals



Leads to reduced costs
for the consumer

Steps toward Designation



Commitment Letter

- Confirms a city's interest in pursuing Charging Smart designation
- Lays out goals you'd like to achieve through the program
- Needs to be signed by the City Manager or Mayor



Self-Assessment

- Survey that gauges how far along a city is in becoming EV-ready
- Helps assess which designation level would be the best for your city to achieve
- Moderately quick, can save midway
- Sample questions:
 - Has your community developed specific and measurable goals pertaining to EVs or charging infrastructure?
 - In what plans does your community address EVs or charging infrastructure- plans including the Master Plan, Functional Plan (Climate Action, Transportation, etc), or a specific-area plan?

Charging Smart Framework

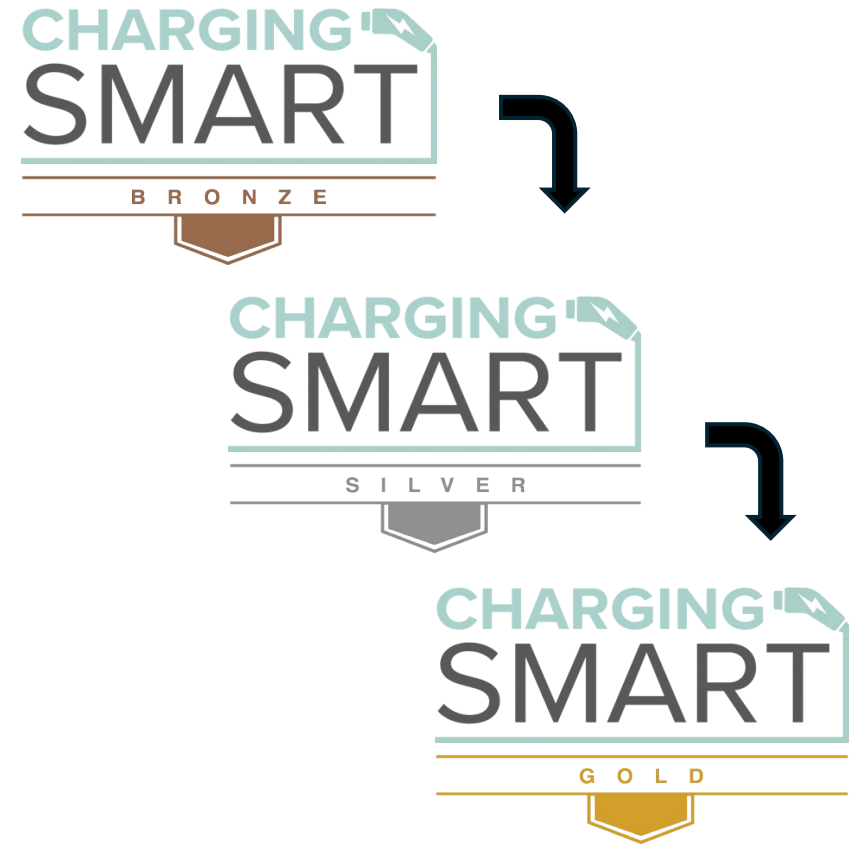
Action Categories

1. Planning
2. Regulation
3. Utility Engagement
4. Education and Incentives
5. Government Operations
6. Shared Mobility

EVs for All

Point System: Actions within each category have assigned points. As actions are completed, the points count towards the total amount of points needed for designation levels. An additional opportunity for points, "EVs for All", focuses on benefitting underserved communities.

Designation Levels



Examples of Criteria Actions

1. **Planning:** Adopt a preference-policy for EVs in the municipal fleet
2. **Regulation:** Ensure EVSE installation guidance and regulations are compliant with state-level accessibility guidelines
3. **Utility Engagement:** Meet with utilities to discuss EV collaboration opportunities
4. **Education and Incentives:** Create a specific page on the city's website that includes information about EVs
5. **Government Operations:** Purchase EVs for fleet use to meet adopted goals
6. **Shared Mobility:** Install infrastructure (like Shared Mobility Lanes) to support electric micro-mobility

Bronze Requirements

Sign Commitment Letter and Complete Self-Assessment

Regulation:

- Review zoning requirements and identify restrictions that intentionally or unintentionally prohibit EVSE deployment
- Adopt a standard EV charging infrastructure permit application process
- Develop a charging infrastructure permitting checklist

Utility Engagement:

- Meet with utilities to discuss EV collaboration opportunities

Plus, complete other actions to reach a sufficient # of points

- Earn 80 general points total
 - 10 must be in Planning
 - 15 must be in Education and Incentives
- Earn 15 EVs for All Points



Silver Requirements

Complete Bronze criteria

Regulation:

- Permit chargers as an accessory use to parking lots in all zoning districts
- Allow all EVSE parking stalls to count toward minimum parking requirements, when applicable

Government Operations:

- Complete a fleet analysis (also consider plans for future EV purchases)

Plus, complete other actions to reach a sufficient # of points

- Earn 150 general points total
 - 20 must be in Utility Engagement
- Earn 30 EVs for All points total



Gold Requirements

Complete Silver criteria

Planning:

- Complete an action in the “Address EVs and charging infrastructure comprehensive plan” best practices

Regulation:

- Establish standard approval timelines for EVSE installations
- Adopt a technology-neutral, EV-ready ordinance or plan for new construction

Government Operations:

- Install a public charger
- Purchase EVs for fleet use to meet adopted goals

Plus, complete other actions to reach a sufficient # of points

- Earn 300 general points total
- Earn 60 EVs for All points total



Charging Smart: EVs for All

Beyond meeting the baseline criteria of the Charging Smart program, municipalities are expected to take additional steps to promote electric vehicle adoption in an inclusive and accessible manner

The EVs for All point system allows municipalities to earn points toward the Charging Smart Program by taking those additional steps in each of the Charging Smart criteria categories

Points are awarded on a sliding scale based on the depth and comprehensiveness of actions taken

Every criterion has the potential to earn EVs for All points based on the degree to which inclusivity and accessibility are addressed when completing that criterion



EVs for All Points

While the specifics will vary by community, the overarching aim is to identify and address any barriers that may prevent certain groups from benefiting from electric vehicles and related infrastructure.

5 Points	10 Points	15 Points	20 Points
Acknowledging awareness of barriers and communicating inclusively	Assessing community needs and planning strategic actions	Making formal commitments and developing funded initiatives	Taking direct action and incorporating accountability

EVs for All Points Example

Regulation: Develop standards for charging infrastructure in areas near affordable multifamily housing

5 Points	10 Points	15 Points	20 Points
Acknowledge that charging access is important for residents of affordable multifamily housing so they can also benefit from transportation electrification	Assess the needs of affordable multifamily housing residents related to at-home and public charging access. Develop a plan to address identified gaps or barriers.	Establish minimum requirements for EV-ready, EV-capable, or EVSE charging infrastructure at newly constructed affordable multifamily housing based on needs assessment. Provide financial incentives to offset costs.	Pass an ordinance mandating EV-ready, EV-capable, or EVSE charging infrastructure at all new, affordable multifamily housing developments. Create a funding program to fully cover costs for property owners.

Next Steps

Reach out to cleancities@nctcog.org with interest or any questions

Learn more at <https://www.dfwcleancities.org/charging-smart>

Initial steps will include:

- Self-Assessment
- Commitment Letter



Attend our Upcoming Cohort that will help you progress through the program with a peer group of other local governments

- Begins in July and will meet monthly
- Let us know if you'd like to participate!



Contact Us



Amy Hodges
Principal Air Quality Planner
ahodges@nctcog.org
817-704-2508



Carolyn Burns
Air Quality Planner
cburns@nctcog.org
817-704-5682



**Dallas-Fort Worth
CLEAN CITIES**



dfwcleancities.org



cleancities@nctcog.org