



North Central Texas
Council of Governments



Dallas-Fort Worth
CLEAN CITIES

Charging Smart Cohort Session 2

Planning Category

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Agenda

Cohort Structure/Timeline

Peer Updates

Bronze Designation Requirements

Planning Category Walk-Through

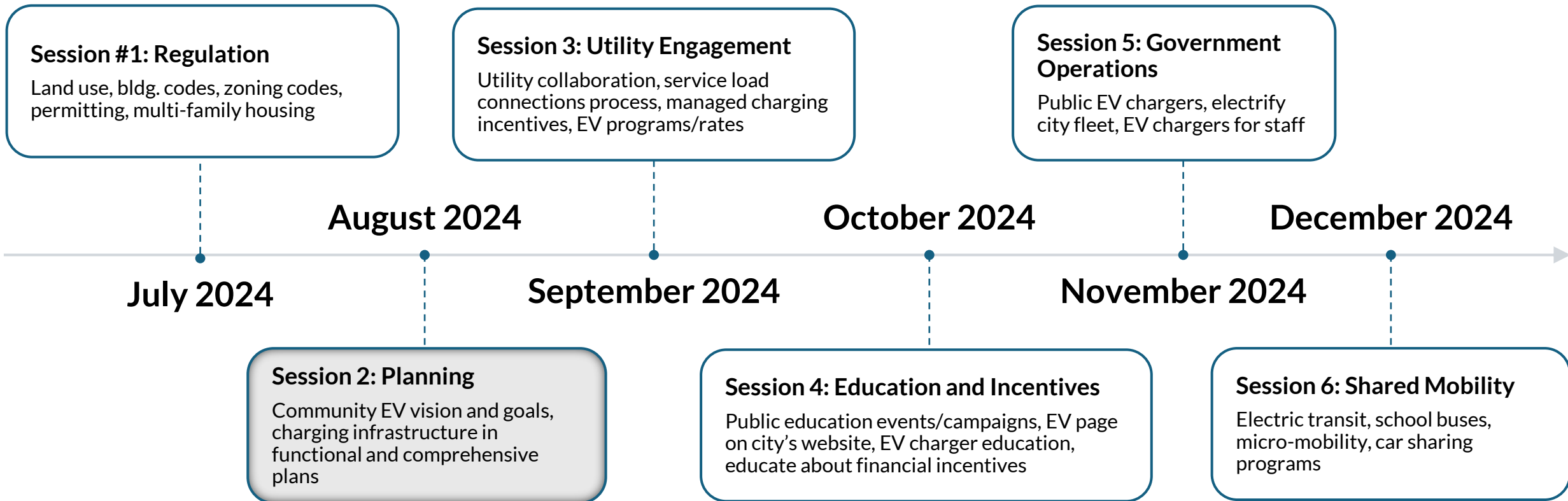
EV-Ready Building Codes and Standards

Group Discussion

Homework Assignment, Next Session



Cohort Structure and Timeline



Peer Updates

- Have you explored the Resources and Templates Google folder?
- Any issues with the Commitment Letter or the Self-Assessment?
- What updates do you have on your progress on the Regulatory actions since the last session?
- Have you contacted colleagues from the relevant city departments?
Ex: Planning and Zoning, Neighborhood Services, Development Services
- Have you emailed/contacted Oncor to join the EVolution meetings?
- Any questions for us?



Bronze Designation Point Breakdown

General Points

Prerequisites	35
Education & Incentives	15
Planning	10
Actions of Your Choice	20

R1.5: Review zoning requirements and identify restrictions that intentionally or unintentionally prohibit EVSE deployment (15 points)
R4.1: Adopt a standard EV charging infrastructure permit application process (10 points)
R4.4: Develop a charging infrastructure permitting checklist (5 points)
U1.1: Meet with utilities to discuss EV collaboration opportunities (5 points)

Total (General Points) 80

PLUS

EVs for All Points 15



Planning Category Explanation

Actions local governments can take to establish a policy environment and community-wide vision that supports EV adoption

This includes:

- Proactively addressing EVs and charging infrastructure in community plans
 - Specific-area, Functional, Comprehensive plans
- Conducting a needs assessment to inform planning
- Mapping favorable locations for charging buildout
- Setting SMART goals to track progress over time

Planning Category Criteria Action P1.1

P1.1: Create a community-wide EV vision (10 points)

- Create a document that will serve as your guide during planning and implementation of EV and EVSE integration into the community.
 - **What** you want to do
 - **Why** you want to do it
 - **How** you want to do it
- Should inform goal-setting and focus your efforts
- Should reflect your community's unique voice and shared intention

Verification: Provide a link to, a copy of, or attach the completed community-wide EV vision.

Planning Category Criteria Action P1.2

P1.2: Adopt a preference policy for EVs in the municipal fleet (10 points)

- Establish a formal policy prioritizing the procurement of electric vehicles for municipal fleet replacements and expansions
- Indicate a preference for EVs when making new fleet purchases, allowing for exceptions when electric options are deemed infeasible
- This preference policy accelerates the electrification of public fleets, demonstrating leadership and commitment

Verification: Provide a link to or attach the document containing the preference policy

Planning Category Criteria Action P1.3

P1.3: Develop goals that are specific, measurable, attainable, relevant, and time-based surrounding EV actions (10 points)

Have clear objectives, implementation tasks, and timelines while also setting SMART goals:

- **Specific:** Details who, what and where
- **Measurable:** Data to track progress are available
- **Attainable:** Required technology is available
- **Relevant:** Aligns with the community's overarching vision and goals?
- **Time-based:** Includes a reasonable timeframe to complete

Verification: Provide a link to or attach a document that contains the list of goals developed.

Planning Category Criteria Action P2.1

P2.1: Identify locations and frequency of charging infrastructure placement (5 points)

- Recommended to use the Alternative Fuels Data Center (AFDC) Station Locator to locate and identify EV charging stations in your city
 - Can use advanced filters to narrow down specifically publicly accessible EV charging stations within the bounds of your city
- Identify suitable and potential locations for new EV chargers
 - Could be on city-owned land or private land (would need to collaborate with business owners)

Verification: Provide a link to or attach a document of a map showcasing the location of charging infrastructure

Planning Category Criteria Action P3.2

P3.2: Promote co-benefits: public health, noise/pollution reduction (5 points)

- Is an action for both the functional (climate action, energy, transportation, etc) and comprehensive plans
- Can include the common benefits of EVs
 - No tailpipe emissions
 - EVs are relatively quiet compared to an ICE vehicle
 - Energy independence- electricity is domestically sourced
 - TX leads the nation in renewable energy, wind and solar
 - TX grid generation sources will continue to get cleaner over time

Verification: Provide a link to or attach a document of the promoted co-benefits. Describe where the section detailing co-benefits can be found.

Planning Category Resources

[Great Plains Institute Planning Resources](#)

P1.1: Create a community-wide EV vision

[Community EV Visions.pptx - Google Drive](#)

[Community EV Vision Worksheet.docx](#) Community EV Vision- Northglenn, CO; Fort Collins, CO

[EV Visions.pptx.pdf](#) Community EV Vision- Dayton, Ohio

P1.2: Adopt a preference policy for EVs in the municipal fleet

[Denver 80x50 Climate Action Plan](#)- pages 2,12

[Clean Fleet Policy \(nctcog.org\)](#)- will be revised to include stronger language that prioritizes EVs; could be used as a base template in the meantime

P1.3: Develop goals that are SMART surrounding EV actions

[Electric Vehicle Planning Language.pdf - Google Drive](#)

P2.1: Identify locations and frequency of charging infrastructure placement

[Alternative Fuels Data Center: Alternative Fueling Station Locator \(energy.gov\)](#)

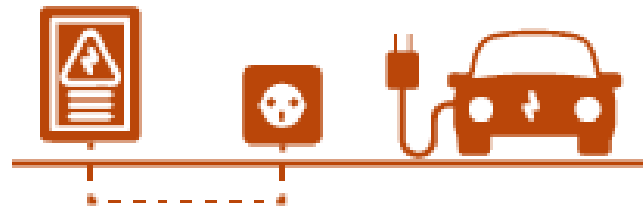


EV Parking Infrastructure Specifications



EV CAPABLE SPACE

Electrical Panel Capacity +
Conduit



EV READY SPACE

EV Capable
+ Installed Full Circuit



EVSE SPACE

Install EV Charging
Station

Graphics Source: Southwest Energy Efficiency Project

4x-6x
more expensive

The cost to install EV Ready infrastructure during post-construction compared to new construction. Source: [Alternative Fuels Data Center](#)

EV-Ready Building Codes and Standards

International Code Council:

International Energy Conservation Codes (IECC) - Updated May 2024

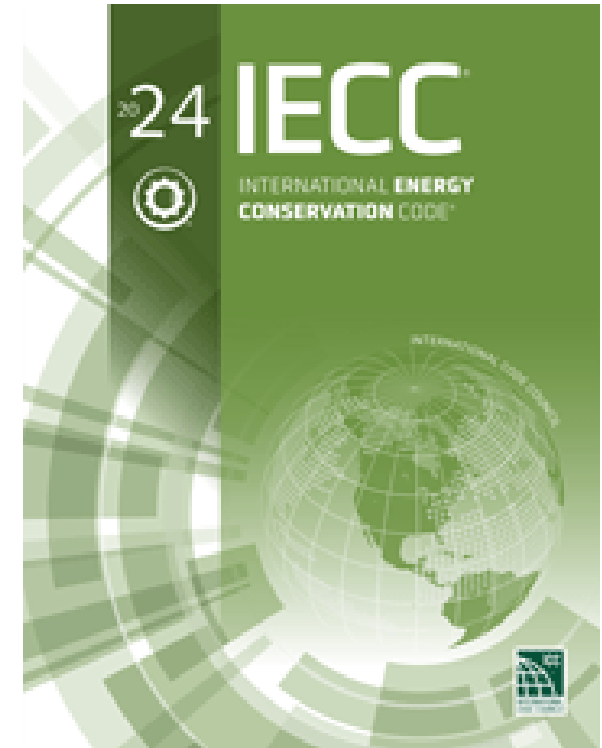
- Minimum parking space requirements for EV Capable, EV Ready, and EVSE Spaces*
- System capacity and circuit capacity requirements
- Commercial: Appendix CG Electric Vehicle Charging Infrastructure
- Residential: Appendix RE Electric Vehicle Charging Infrastructure

Local Governments encouraged to integrate 2024 IECC into building and parking requirements

- Help your community be EV ready
- Earn points toward Charging Smart designation

dfwcleancities.org/evreadiness

*EVSE Space was formerly referred to as EV-Installed



EV-Ready Building Codes and Standards

Residential - Appendix RE Electric Vehicle Charging Infrastructure



New one- and two-family dwellings and townhouses with a designated attached or detached garage or other on-site private parking provided adjacent to dwelling unit

- Provide one EV Capable Space, EV Ready Space or EVSE Space per dwelling unit



New R-2 occupancies or allocated parking for R-2 occupancies in mixed-use buildings

- Provide EV Capable Space, EV Ready Space or EVSE Space for 40% of the dwelling units or parking spaces, whichever is less

EV-Ready Building Codes and Standards

Commercial - Appendix CG Electric Vehicle Charging Infrastructure

Occupancy	EVSE Space	EV Ready Space	EV Capable Space
Group A	10%	0%	10%
Group B	15%	0%	30%
Group E	15%	0%	30%
Group F	2%	0%	5%
Group H	1%	0%	0%
Group I	15%	0%	30%
Group M	15%	0%	30%
Group R-1	20%	5%	75%
Group R-2	20%	5%	75%
Group R-3 and R-4	2%	0%	5%
Group S exclusive of parking garages	1%	0%	0%
Group S-2 parking garages	15%	0%	30%

Group Discussion

Any questions, comments, or concerns?

Does your city have specific-area, functional and/or comprehensive plans?

- If so, are EVs or EVSE mentioned in the plan?

Do you have any advice to share with your cohort partners? Any challenges to sort out?



Homework and Next Session

Priority: Complete onboarding documents

Continue addressing Regulation and Utility Prerequisites for the Bronze designation

- R1.5: Review zoning requirements and identify restrictions that intentionally or unintentionally prohibit EVSE deployment (15 points)
- R4.1: Adopt a standard EV charging infrastructure permit application process (10 points)
- R4.4: Develop a charging infrastructure permitting checklist (5 points)
- U1.1: Meet with utilities to discuss EV collaboration opportunities (5 points)

Begin assessing which Planning actions to complete (adding up to 10 points)

Next cohort session – date, time?

- Late September?

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