



Charging Smart Cohort Session 3

Utility Engagement Category

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Air Quality Planner

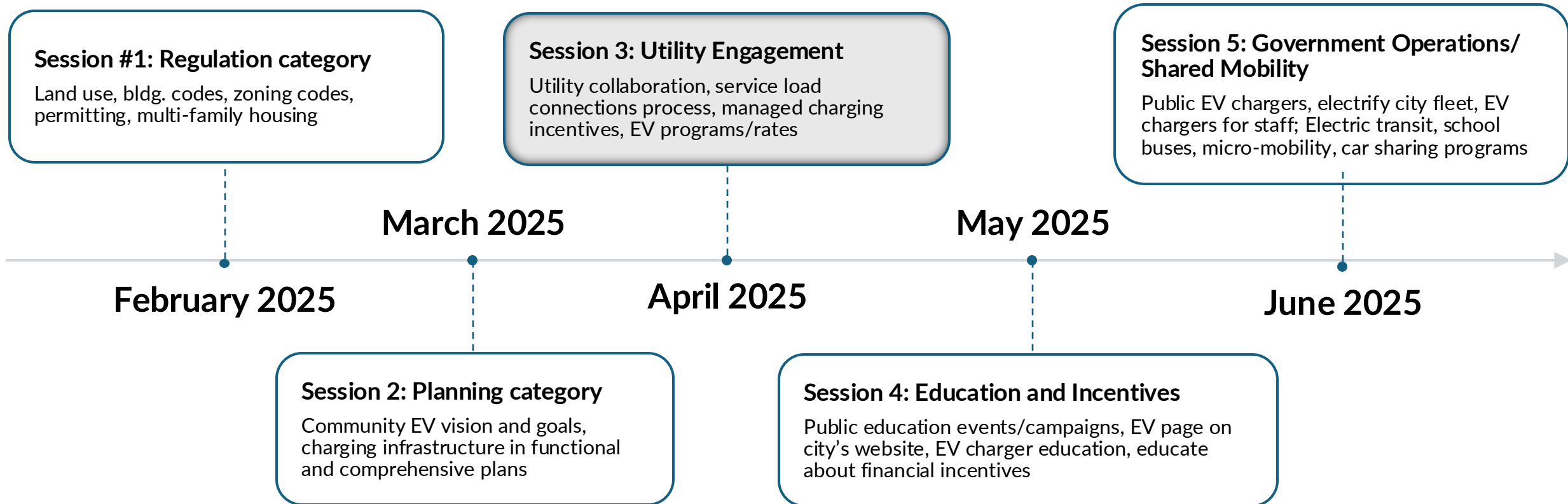
April 24, 2025



Agenda

1. Cohort Structure/Timeline
2. Peer Updates
3. General Updates
4. Oncor Presentation
5. Bronze Designation Requirements
6. Utility Engagement Category Walk-Through
7. Group Discussion
8. Homework Assignment, Next Session

Cohort Structure and Timeline



Peer Updates

- What updates do you have on your progress on the criteria actions since the last session?
- Any successes accomplished or challenges encountered?
- Do you prefer the Google Drive or the Teams Channel?



General Updates

- Memo of exceptions and assistance
- Compilation of regional examples for criteria
- CFI Community Grant
- Specialized TA is available!



The logo features the word "ONCOR" in a dark red, sans-serif font, with a red circular swoosh element that starts above the 'O' and ends below the 'R'. Below "ONCOR" is the word "EVolution" in a black, sans-serif font, where "EV" is green and "olution" is black. A small "SM" trademark symbol is positioned to the right of "EVolution".

ONCOR[®] EVolutionSM

April 24, 2025



The background of the slide is a blue-tinted image of an electric vehicle charging station. A charging cable is plugged into a charging port on the side of a vehicle. The image is slightly blurred and has a monochromatic blue color scheme.

WELCOME

Ian Perkins-Smith – Project Manager
Jennifer Deaton – Manager Transportation Electrification

Origin of EVolution



**Oncor Noticed
EV Industry
Trends**



**Employees Reported
Increased Customer
EV Inquiries**



**Legislative and
PUC
Considerations**



**Oncor Strives To
Be a Proactive
Partner**

TE Resources



Provide Educational Material To All Customers

- [Oncor.com/EV](https://www.oncor.com/ev)
- Publication of [monthly newsletters](#)



Meet With Customers Directly To Discuss TE Topics

- Happy to act as an Oncor point of contact for all things TE

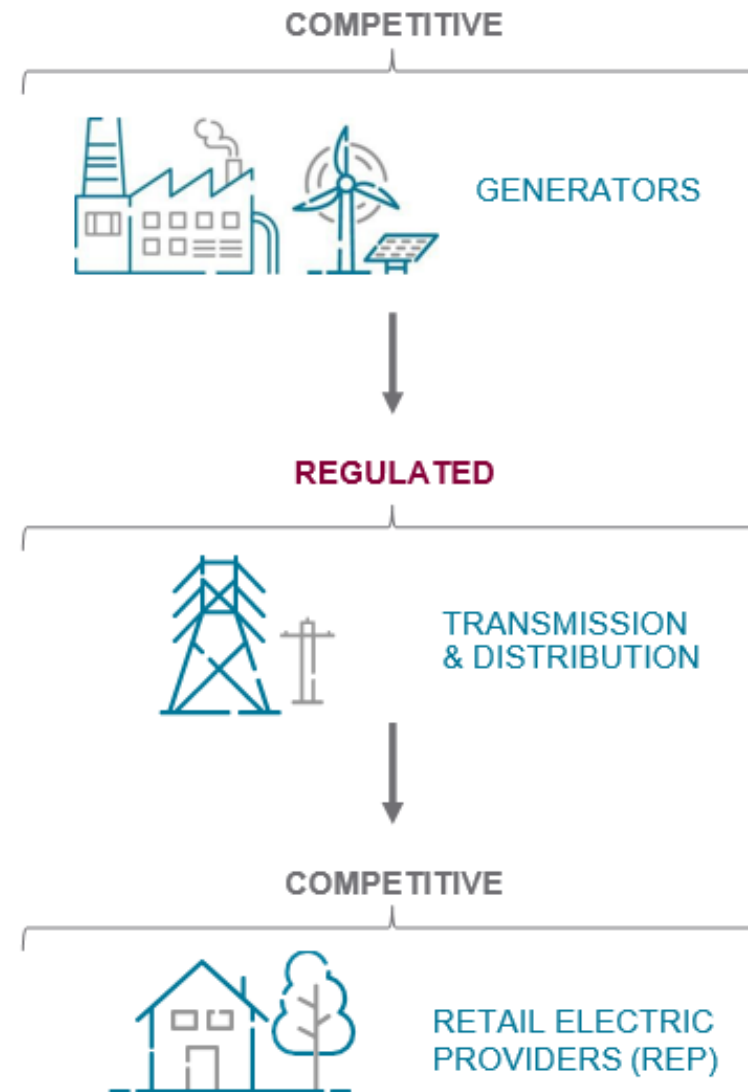


EVolution Sessions

- All EVolution sessions are open to any Oncor customers or REPs

About Oncor

- Oncor is a regulated transmission & distribution utility (TDU) that operates the largest electric delivery system in Texas.
- Provides transmission and distribution services under regulations established by the Public Utility Commission of Texas (PUCT) and the Electric Reliability Council of Texas (ERCOT).
- We're your "poles and wires" company. Oncor does not own, generate, produce or sell electricity.



Where We Serve



Serving ~13 Million Texans



98 Counties
and 400+ Communities



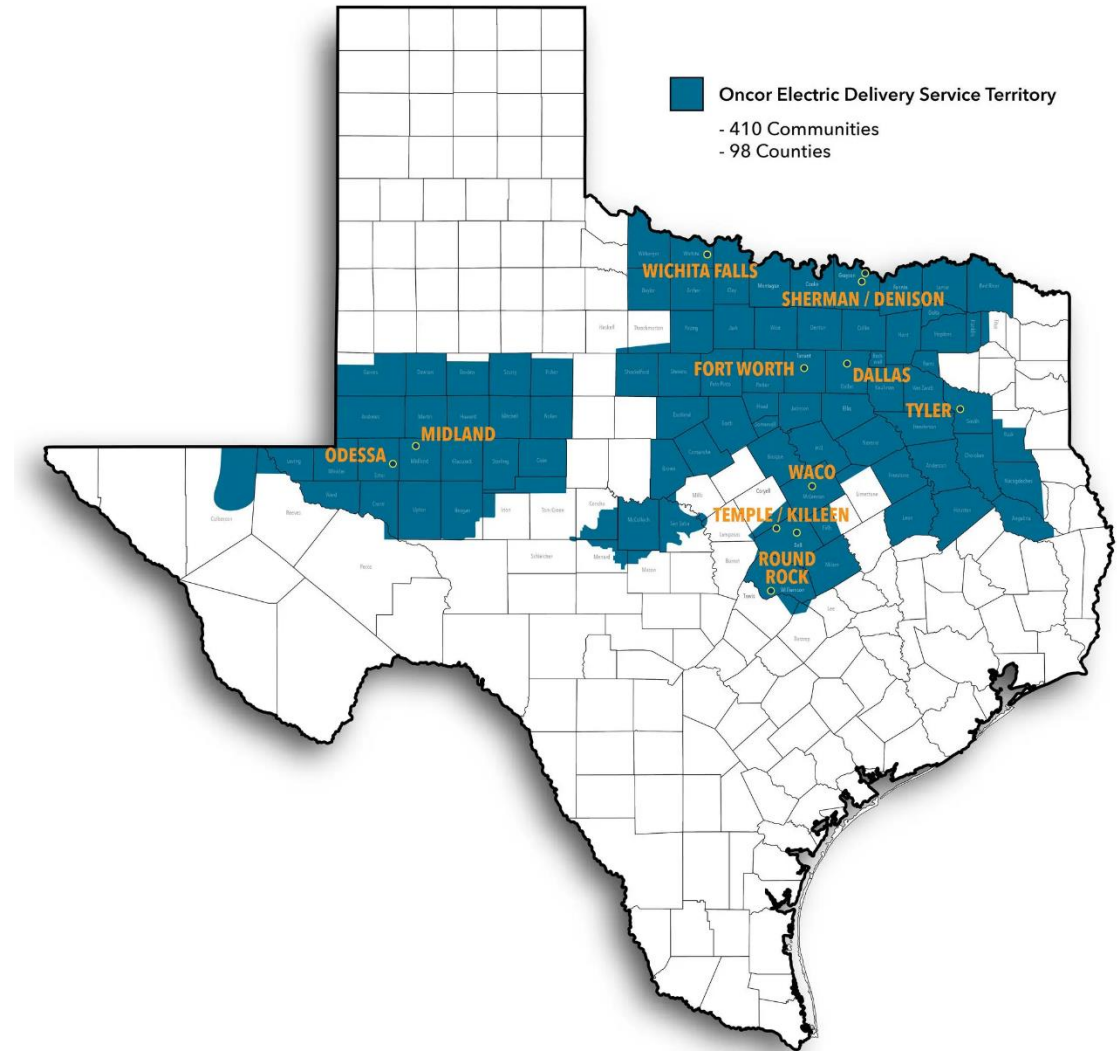
143,000 Miles
Of Transmission And Distribution Lines



3.9 Million Advanced Meters



~5,000 Employees
Across The State



Supporting Growth in the Lone Star State



Oncor has invested **billions** of dollars across its service area to build, upgrade and operate a **safer, smarter, more reliable** electric grid.

Oncor is using data analytics to:

- Optimize **vegetation management** and **fire mitigation**
- Forecast potential high loads to identify necessary upgrades
- Modernize poles and wires to continue providing reliable electricity to all customers

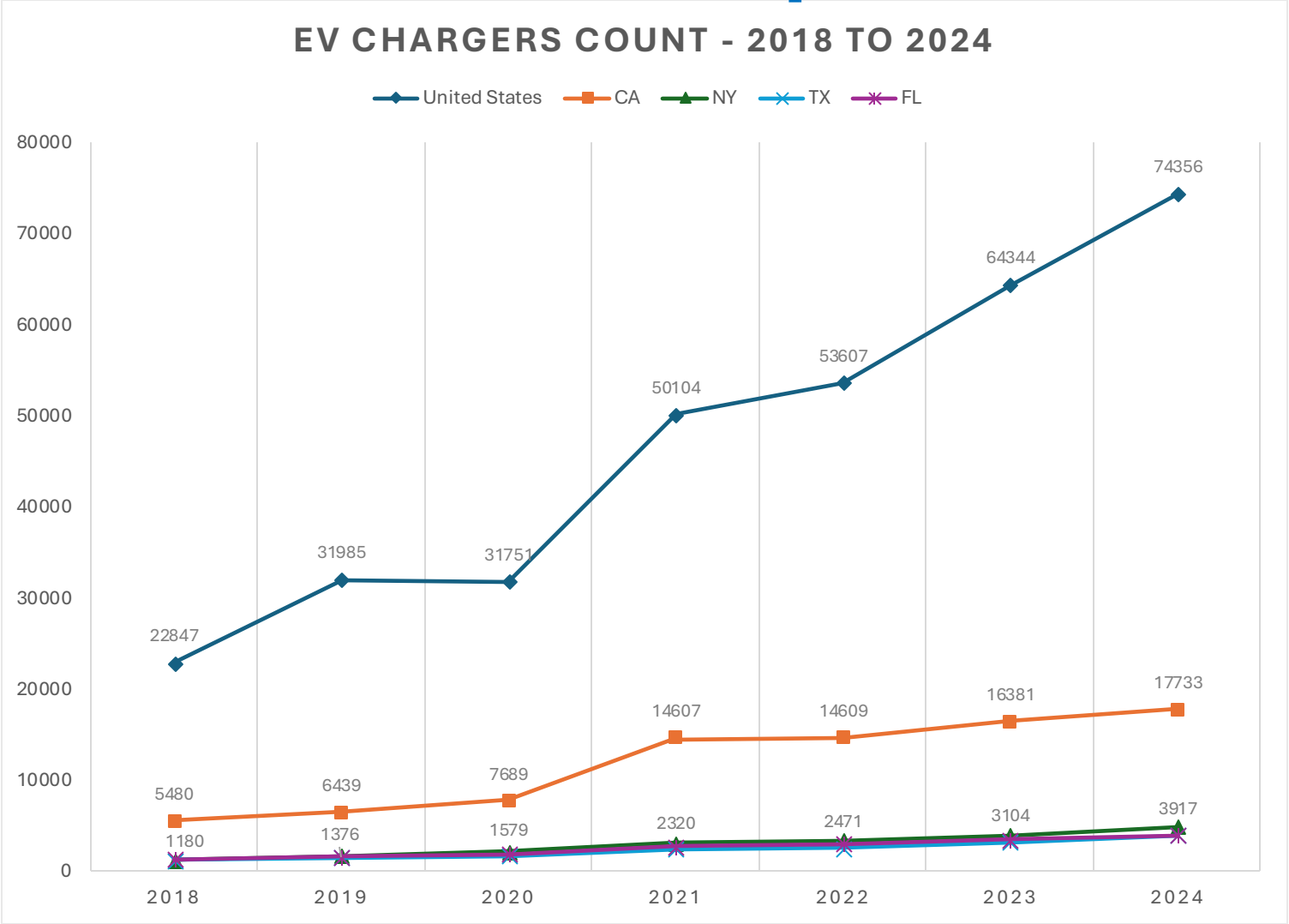


Oncor's capex plan **includes \$24 billion** in investments over the next **five years**. These capital expenditures are expected to be used for investment in **transmission and distribution infrastructure**, including investments to support system **growth, reliability** and **resiliency**.

Oncor also focuses on making appropriate and necessary investments in an efficient and **cost-effective** manner. Oncor rates are among the **lowest** electric delivery rates of any investor-owned utility in Texas.



Count of EV Chargers from 2015 to 2023 - USA and Top 4 States



TX is the state with the 3rd most EV chargers.

First is CA, followed by NY, TX, then FL.

Texas was fourth through 2023 (Surpassed FL in 2024).

Network vs. Non-Network Charger

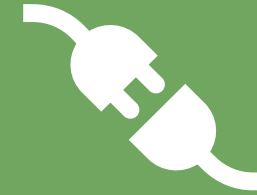


Network Charger

With additional subscription cost, may add features such as:

- Summary reports
- Network dashboard
- Smart demand response
- Payment options
- Reservations
- Messaging

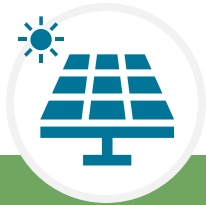
VS.



Non-Network Charger

No network access, simply enables safe charging for an EV. Unable to process payment or offer other networked features.

Other Charging Technologies



Solar

Enables off-grid charging for greater resiliency, may integrate with other charger brands and have on board storage. No additional infrastructure required.



Mobile

Allows for portable and emergency charging of EVs without any additional infrastructure.



Storage

Utilizes on board batteries that store electricity to allow faster charging and charging off-grid.

Distributed Generation at Oncor



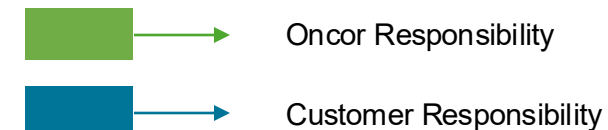
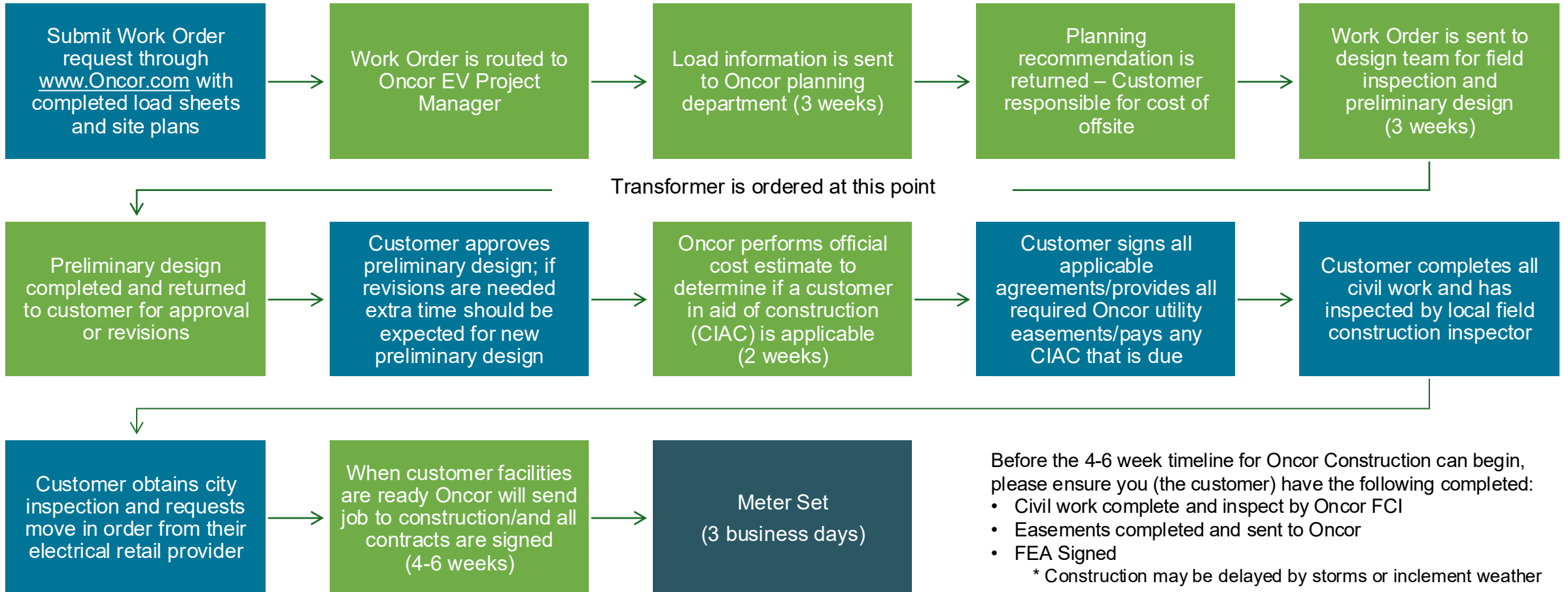
Distributed Generation (DG) comprises of a variety of technologies; solar, batteries or generators, used to generate electricity at or near the point where it will be used.



If you want the DG at your site to put electricity back onto the grid (ex. solar panels, Vehicle-to-Grid (V2G), Battery Storage), you will need an **interconnection agreement** to meet safety and equipment standards.

Delay of interconnection agreement submission will cause a delay in a project.

New Commercial Construction Process



What is Energy Efficiency?

Energy Conservation

Definition: Energy conservation is any behavior that results in the use of less energy.

Example: Turning lights off to save energy.



Energy Efficiency

Definition: Energy efficiency is using technology that requires less energy to perform the same function.

Example: Installing efficient lighting, such as LEDs, to save energy.



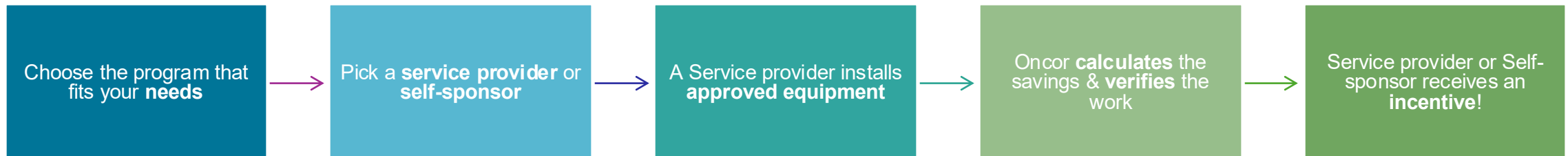
Energy Efficiency Program Offerings

Commercial Programs	Residential Programs
Commercial Standard Offer Program	Home Energy Efficiency Program
CHEF Program	Low-Income Weatherization Program
Commercial Load Management Program	Residential Solar Program
Winter Commercial Load Management Program	Targeted Low-Income Program
Small Business Program MTP	Residential Load Management
Commercial Midstream MTP	Retail Products MTP
Strategic Energy Management MTP	New Homes Construction MTP



Homes

Schools





April 24, 2025

QUESTIONS?



Bronze Designation Point Breakdown

General Points

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

Total (General Points) 80

R1.6: Review zoning requirements and identify restrictions that intentionally or unintentionally prohibit EVSE deployment (15 points)

R3.1: Adopt a standard EV charging infrastructure permit application process (10 points)

R3.4: Develop a charging infrastructure permitting checklist (5 points)

U1.1: Meet with utilities to discuss EV collaboration opportunities (5 points)

Utility Engagement Category Explanation

This category focuses on fostering partnerships that can drive EV adoption, manage grid impacts, and create innovative programs to support electrification.

This includes working with your utility:

- On collaborative education and communication initiatives
- On the service load connections process
- To address EV-managed charging initiatives

Utility Category Requirement U1.1

U1.1: Meet with utilities to discuss EV collaboration opportunities

- Initiate a conversation with their electric utility focused on strategic coordination around EVs
- Define shared objectives, explore potential partnerships, and identify opportunities for collaborative promotion of electrified transportation

Verification: Provide an agenda for the meeting and a memo summarizing the meeting, including the next steps for collaboration.

Attend an EVolution Session through [ELECTRIC VEHICLES](#) or contact Oncor at EV@oncor.com

Contact Texas-New Mexico Power through Josh.Campbell@tnmp.com

Utility Engagement Action U2.1

U2.1- Work with utility to document service load connections process for commercial and public charging (10 points)

Collaborate with utility to create a straightforward, accessible guide to the service load connections process for commercial and public EV charging stations.

- Outline the steps involved in connecting charging stations to the grid, including any necessary upgrades, permits, or approvals

Verification: Provide a link to the public website detailing the service load connections process and public charging. If applicable, provide a description of where this can be found within the documentation (i.e., chapter, section, etc.). Note how the jurisdiction was involved in the process.

Action U2.1 Example

U2.1- Work with utility to document service load connections process for commercial and public charging (10 points)



Oncor New Construction – Commercial Industrial

Starting New Commercial Service

To start construction and / or permanent service with Oncor, the customer will call the contact center (888.222.8045) or select "Start New Service" online (www.oncor.com). The Project Manager assigned to the project will require: Name, Contact Information, Load, Site Plan, and Timeline. These items help determine the size of facilities Oncor will need to install, where they might be installed on the site, and when service is expected by the customer. The project will then follow the basic process below.



Utility Engagement Action U3.1

U3.1-Create and promote educational materials on the benefits of managed charging and/or available utility incentives (5 points)

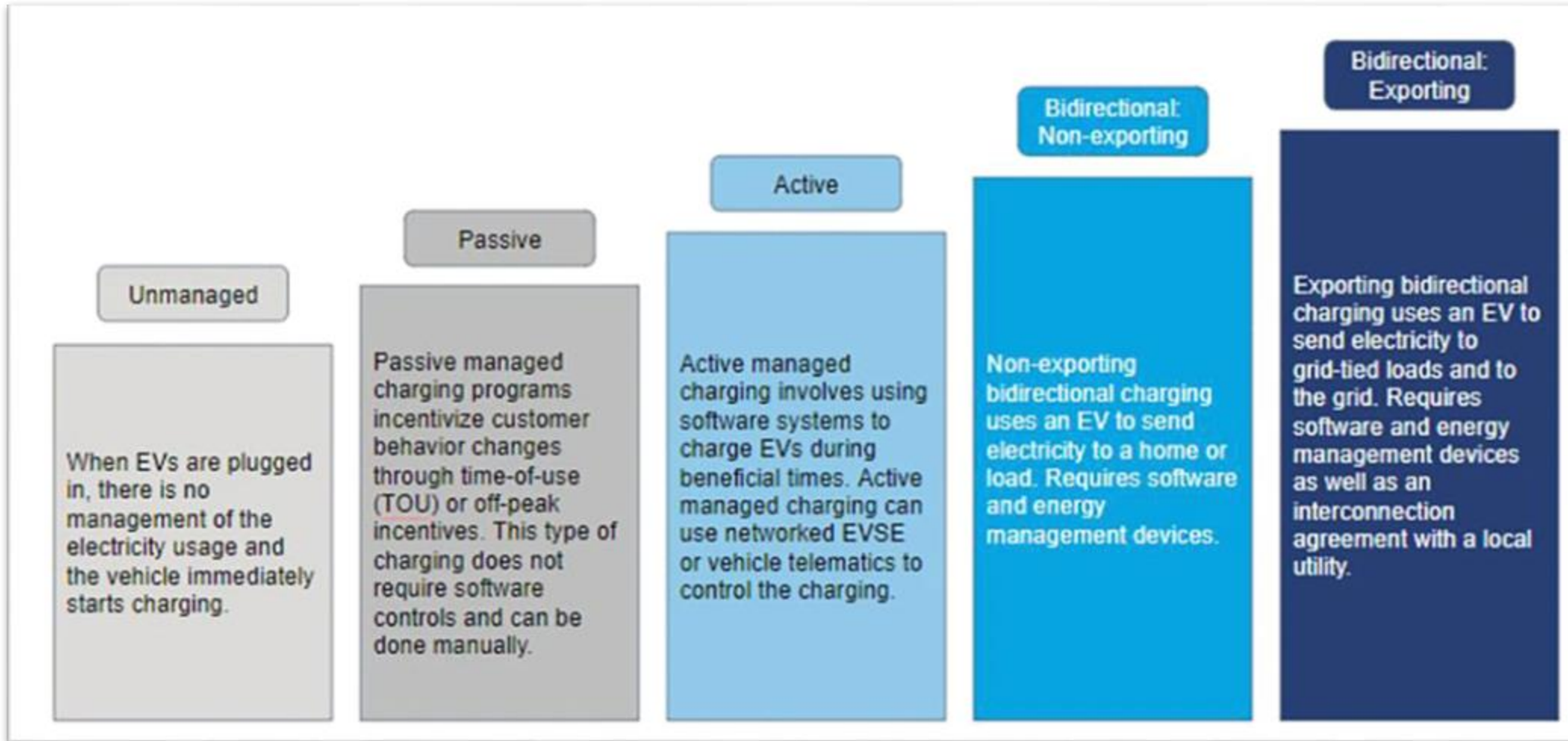
Develop and disseminate educational materials that highlight the benefits of managed EV charging

- Managed charging- adjusting the timing and intensity of EV charging to align with grid conditions, renewable energy availability, and user preferences
- Benefits- potential cost savings, environmental ease, grid support opportunities

Verification: Provide a link to or attach a document of the created educational materials on the benefits. Also provide a short description of how these materials were promoted.

Action U3.1 Example

U3.1-Create and promote educational materials on the benefits of managed charging and/or available utility incentives (5 points)



Utility Engagement Category Resources

[Charging Smart - Utility Engagement \(google.com\)](#)

U1.1- Meet with utilities to discuss EV collaboration opportunities

- [ELECTRIC VEHICLES](#)
- [Alternative Fuels Data Center: Electric Vehicle Readiness \(energy.gov\)](#)
- [Roadmap to Engaging Electric Utilities.pdf - Google Drive](#)

U2.1- Work with utility to document service load connections process for commercial and public charging

- [Process Overview - Commercial Industrial 2021.pdf](#)
- [Utilities, charger vendors find interconnection best practices to propel EV growth | Utility Dive](#)
- [Working with Electric Utilities](#)
- [Paving the Way: Emerging Best Practices for Electric Vehicle Charging Interconnection | IREC](#)

U3.1-Create and promote educational materials on the benefits of managed charging and/or available utility incentives

- [Understanding the Role and Value of Managed Charging](#)
- [Managed Charging Programs: Maximizing Customer Satisfaction and Grid Benefits](#)

Group Discussion

Any questions, comments, or concerns?

If you have previously met with Oncor, what was discussed?

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

Homework and Next Session

Continue addressing Regulation and Planning actions

Begin addressing the Utility Engagement category

- Attend an [EVolution](#) session if Oncor is your utility
- Let us know if you are in the service area of a utility other than Oncor

Date for next session?

- June 4 at 10?
- June 5 at 11?

Contacts



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