

## Electric Vehicles by the Numbers



14,179

Electric Vehicles in North Texas in March 2021



32.5%

Average Annual Growth Rate of EVs in North Texas from 2015-2020



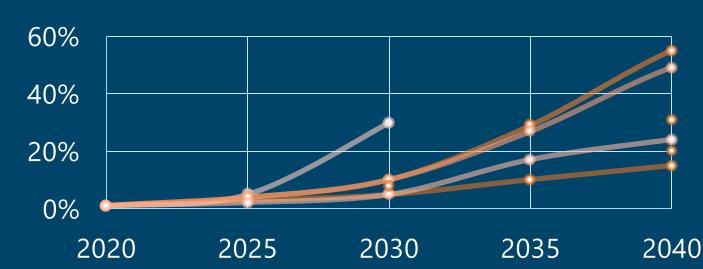
0.58%

EV percentage of total vehicles in North Texas in March 2021



UP TO **55**%

EV percentage of total vehicles forecasted by **2040** 



#### Forecast sources:

Exxon Outlook for Energy, Bloomberg New Energy Finance, BP Energy Outlook, International Energy Agency

## International Codes Background

Commercial and Residential EV Infrastructure Requirements were proposed as part of the 2021 International Energy Conservation Codes (IECC)

#### Covered

EV Capable and EV Ready minimum parking space standards based upon amount of total available parking spaces for Commercial and Residential new construction

### Overturned by Board

Spring 2020: Proposed EV requirements approved by the online vote of ICC Members

October 2020: ICC Board of Directors voted to overturn the proposal for EV readiness through an appeal, claiming that these updates do not meet the stated intent of the model code to conserve energy.

# EV Parking Infrastructure Specifications



**EV-CAPABLE** 

Electrical Panel Capacity
+ Branch Circuit
+ Raceway



**EV-READY** 

EV-Capable + 240-volt outlet



**EV-INSTALLED** 

Install a Minimum Number of Level 2 EV Charging Stations



The cost to install EV-Capable infrastructure during new construction is **four to six times less expensive** than during a stand-alone retrofit.

Source: Energy Solutions, 2019

Total added cost to new construction project to add EV-ready for commercial and residential: **0.1%-0.2% of total cost of project** 

Source: California Air Resources Board, 2018

## **NEXT STEPS**

**GOAL:** Develop Regional Resources to Provide Consistency in EV-Capable and EV-Ready Construction



To Join the Working Group, Contact Bailey at bmuller@nctcog.org

## CONTACT US



**Bailey Muller** 

Senior Planner, NCTCOG Transportation Department <a href="mailto:bmuller@nctcog.org">bmuller@nctcog.org</a>



Lori Clark

Program Manager, NCTCOG Transportation Department

lclark@nctcog.org