



# CONNECTICUT CLEAN CITIES COLLABORATIVE



CAPITOL CLEAN CITIES  
OF CONNECTICUT



CLEAN TRANSPORTATION  
COALITION Western Connecticut



GREATER NEW HAVEN  
Clean Cities Coalition

## Connecticut Clean Cities Collaborative

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SIPRAC

August 8, 2024



# Clean Cities

## **Our Mission**

*Clean Cities Coalitions, are designated by the U.S. Department of Energy's Vehicle Technologies Office. Seventy-five coalitions around the country foster the economic, environmental, and energy security of the United States by working locally to advance affordable, domestic transportation fuels, energy efficient mobility systems, and other fuel-saving technologies and practices.*

## **Connecticut Coalitions**

Capitol Clean Cities of Connecticut – Craig Peters

Clean Transportation Coalition - Western Connecticut – Daphne Dixon

Clean Transportation Communities - Southern Connecticut – Paul Wessel

# Capitol Clean Cities of Connecticut

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# Clean Transportation Coalition - Western Connecticut

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## Model EV Zoning Regulations



### Permitted Land Use

Ensures all EV charging equipment is being built on authorized land with any necessary permits.



### Minimum Number of Parking Spaces

Requires a certain number of a property's total parking spaces to be designated EV charging spaces.



### Safety and Maintenance

Considers security measures, environmental factors, surrounding buildings, and emergency contact information provided to the user.



### Parking Use Standards and Protections

Outlines how EV charging spaces are allowed to be used and which vehicles can occupy these spaces.



### Signage

Promotes proper usage of charging equipment and directs EV drivers to charging stations.



### Make-Ready Standards/New Construction

Incentivizes adoption of EVs by ensuring that new properties are equipped with the wiring and space necessary for future installation of EV charging infrastructure.



### Supply Equipment Standards

Ensures that all EV charging equipment meets minimum safety and operational requirements.



### Parking Space Design, Location, and Performance Standards

Considers safety, accessibility, and parking layout as factors of the charging experience.



### User Experience

Aims to create a positive charging experience for the user, considering app accessibility, accepted payment methods, amenities offered, and overall ease of charging.

# SITE ASSESSMENT



CLEAN TRANSPORTATION  
COALITION Member: Connecticut

<b>Permitted Land Use</b>	Does the municipality have EV zoning regulations that outline permitted land use?
<b>Parking Use Standards and Protections</b>	Are all EV charging spaces clearly designated for the exclusive purpose of EV charging?
<b>Supply Equipment Standards</b>	Are all charging cords retractable or hung safely above the pedestrian surface? Does the equipment pose any trip or collision hazards?
<b>Minimum Number of Parking Spaces</b>	What percentage of total parking spaces in the lot are equipped with EV charging equipment?
<b>Signage</b>	Does the EV charging station have clear and legible directional signage, instructions, safety information, time limits, and/or fees posted?
<b>Parking Space Design, Location, and Performance Standards</b>	Is the charging station located in a desirable and convenient parking location? Is the charging station easily accessible? Does the station have security cameras, sufficient lighting, and knowledgeable attendants on-site?
<b>Safety and Maintenance</b>	Is the charging station located in a secure, visible, and well-populated area? Are there any safety or environmental risks associated with using the charger?
<b>Make-Ready Standards</b>	Is there space and availability for further installation of EV charging equipment?
<b>User Experience</b>	What amenities are offered to the user? What payment methods are accepted? Is the user able to easily access stable internet and operate the charging software?



# ROAD TO A POSITIVE EV CHARGING USER EXPERIENCE

## 1. Develop a list of model EV zoning regulations.

Collaborate with APA, RPA, and municipal zoning staff to review and collect additional feedback.

## 2. Share model regulations with municipalities.

Distribute the finalized list of model EV zoning regulations to municipal zoning staff in Fairfield County and Litchfield County.

## 3. Perform site assessments and collect community feedback in Norwalk and Torrington.

Perform site assessments of EV charging stations in Norwalk and Torrington. Hold community forums in both municipalities to collect feedback about the ideal user experience. Consolidate all data in an EV User Experience Report.

## 4. Create a report from the data collected and provide recommendations to Norwalk and Torrington.

Share the EV User Experience Report with the mayor, economic and community development director, and zoning staff and commission.

## 5. Present results at zoning commission meetings in these two communities.

Present the results of the assessments, community forums, and reports to zoning staff at commission meetings. Discuss potential solutions to any identified barriers to EV charging and consider zoning regulations as a tool to address these barriers.

# Clean Transportation Communities of Southern Connecticut

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CHILDREN'S EXPOSURE TO DIESEL EXHAUST ON SCHOOL BUSES

## Children's Exposure to Diesel Exhaust on School Buses

## NO BREATHING IN THE AISLES

Diesel Exhaust Inside School Buses

*Principal Authors and Researchers*

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NRDC in Action

## The Long Road to Safer School Buses

A landmark NRDC study showed that standard-issue diesel-spewing school buses could put kids at risk of cancer—and drove a national effort to clean the vehicles up.

March 15, 2016

# Countering If it ain't broke, don't fix it:

## Diesel school bus emissions

