

# Municipal EV Readiness Program: 2020 Highlights and 2021 Preview

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January 13, 2021



Connecticut Conference  
of Municipalities  
collaborating for the common good



# Municipal EV Readiness Toolkit 12-Week Program

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September - December 2020

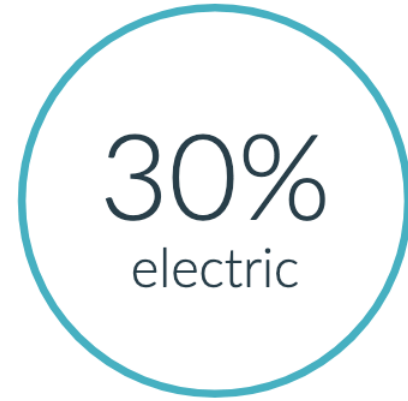
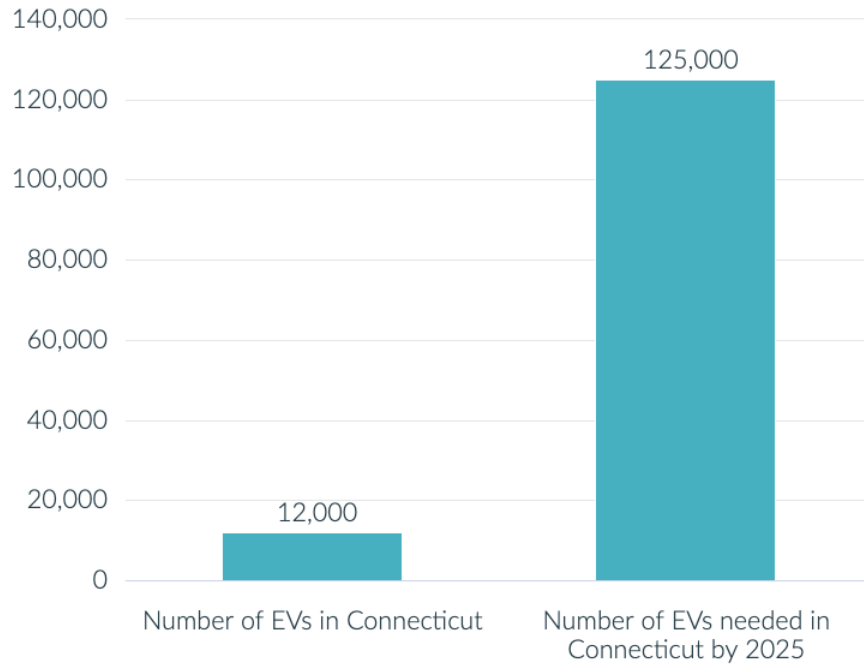


Connecticut Conference of Municipalities  
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# Connecticut's Goals

## ZEV MOU Goals for Connecticut



for medium- and heavy-duty vehicles by 2030

# Municipal EV Readiness Toolkit

## 12-Week Program Modules

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Module 1: Orientation & Overview

Module 2: Electric School Buses

Module 3: Municipal Fleet

Module 4: Parking & Enforcement

Module 5: Planning & Zoning

Module 6: Building & Permitting

Module 7: Public & Destination Charging

Module 8: Multi-Unit Dwelling Charging

Module 9: Workplace Charging

Module 10: Transit Buses

Module 11: Shuttles

Module 12: First Responders

# Toolkit Action Plan

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## Each Week Participants Received:

- Virtual Meeting
- Course materials, resources and tools
- EV Roadmap in Action
- Speaker/champion presentation
- Coaching calls
- Module presentation
- Access to private Facebook page
- Certificate of Completion\*

## Module Tasks:

- **Municipal:** Read through course materials, tools and resources. Share highlights of each module with the relevant municipal departments. Consider which actions to take.
- **Community:** Share with the relevant municipal departments why each module benefits the town.

\*Completion of one of these tasks earns the module Certificate of Completion

# Module Speakers

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- Paul Farrell, Director, Air Planning and Standards, CT DEEP
- Maggie Clancey, Durham School Services
- Adelheid Koepfer, Electric School Bus Toolkit Participant, Wallingford
- Andy Burnham, Principal Environmental Scientist, Argonne National Laboratory
- Christopher Lyddy, Police Chief, Town of Fairfield
- Joseph Samolis, Director of Planning, Conservation and Development, Town of Middletown
- Joyse Utick, Chair of Planning and Zoning Commission, City of Hartford
- Joseph Cassidy, Acting State Building Inspector
- Stephanie Keohane, Rate Specialist, PURA
- Jennifer Reilly, Transportation Planner, CT DOT
- Paul Young, Vice President of Sales, JuiceBar
- Kevin Cubberly, Director, Facilities Management, The Hartford
- Rick Hanley, Transportation Supervising Engineer, CT DOT
- Joe Gwin, Sales Representative, Motiv Power Systems
- Foti Koskinas, Chief of Police, Westport Police Department
- Rick Rosa, Customer Programs and Products Principal, United Illuminating

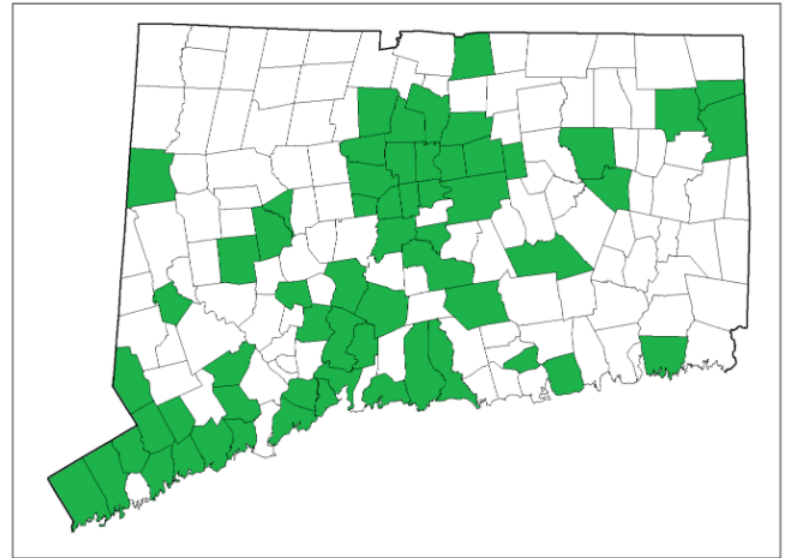
# Metrics

Number of participants: 205

Number of towns: 60

Number of counties: 8

Certificates of Completion: 202



# Participating Towns

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Avon	Essex	Madison	Old Lyme	<b>Wallingford</b>
Berlin	<b>Fairfield</b>	<b>Manchester</b>	Orange	Watertown
Bethany	Farmington	Middletown	Plainville	<b>West Hartford</b>
<b>Bloomfield</b>	Glastonbury	Milford	Pomfret	West Haven
<b>Branford</b>	Greenwich	Monroe	Putnam	Weston
Bridgeport	Groton	Naugatuck	Ridgefield	Westport
Brookfield	<b>Guilford</b>	New Britain	Simsbury	Wethersfield
<b>Cheshire</b>	Haddam	New Canaan	South Windsor	Willimantic
Colchester	<b>Hamden</b>	New Haven	<b>Stamford</b>	<b>Wilton</b>
Cromwell	Hartford	Newington	Thomaston	Windham
East Hartford	Kent	North Haven	Trumbull	Windsor
Enfield	Killingly	<b>Norwalk</b>	Unionville	Woodbury



# Certificates of Distinction by County

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## **Fairfield County**

Fairfield

Norwalk

Stamford

Wilton

## **Hartford County**

Bloomfield

Manchester

West Hartford

## **New Haven County**

Branford

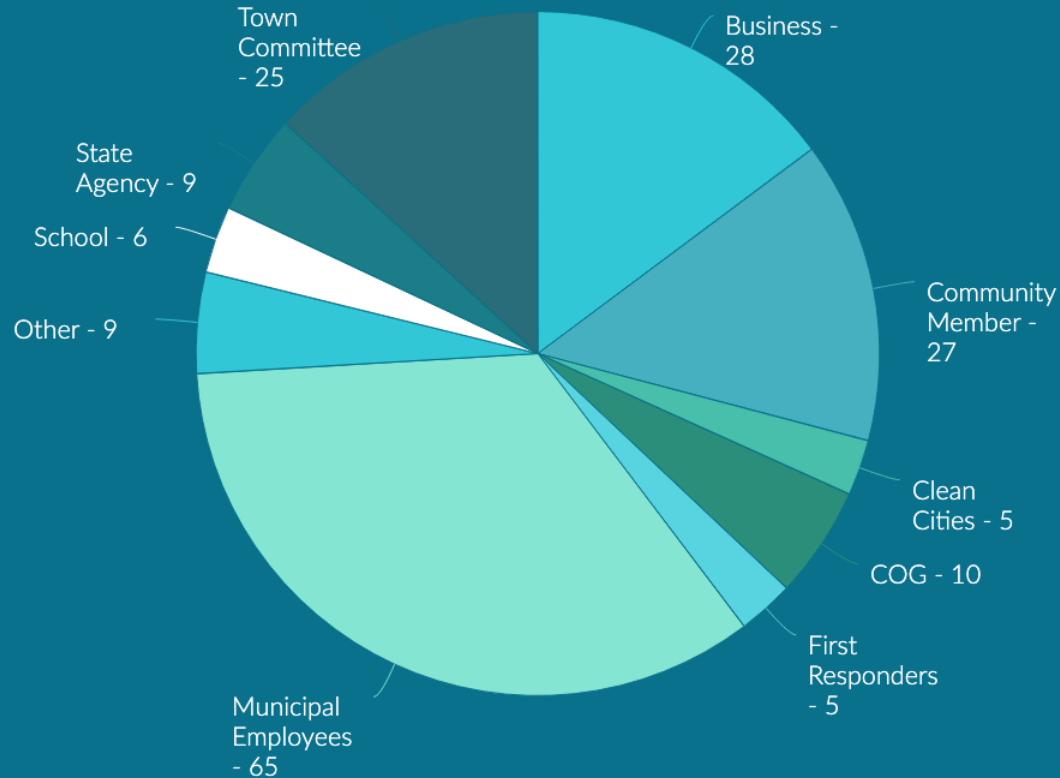
Cheshire

Guilford

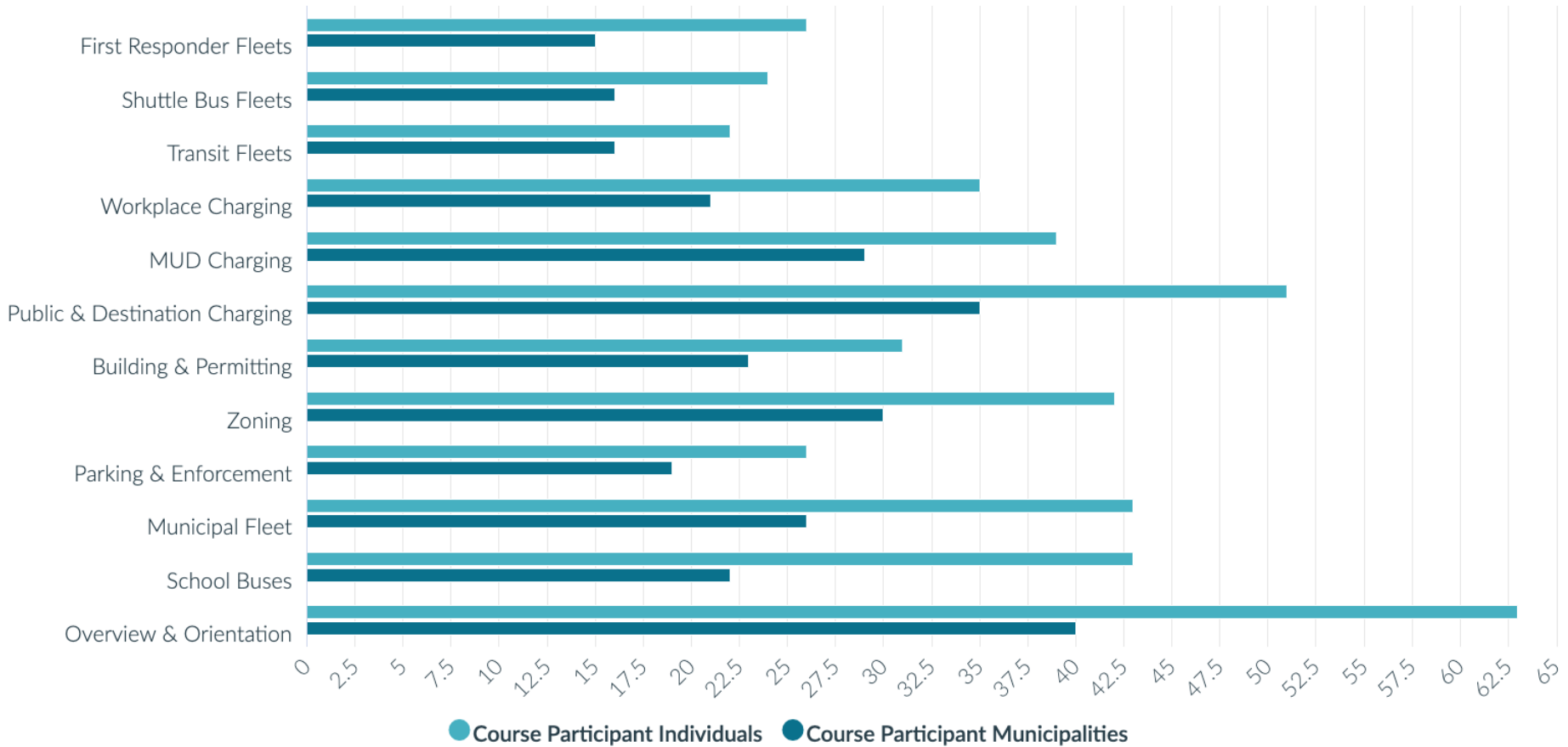
Hamden

Wallingford

# Program Participants



# Municipalities and Course Participants



# Private Facebook Group

## Municipal EV Readiness Cohort

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### Reminders

- Reminders of Module Presentations
- Reminders of Coaching Calls



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### Support

- Opportunity to share your progress
- Receive feedback and advice from the LiveGreen Team and other Municipal Champions



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### Ideas

- Hear about the progress being made in other towns
- Connect with other Municipal Champions to exchange ideas and resources



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### Resources

- Easy Access to Module Recordings
- Links to our Module Presentation
- Municipal Champions Folder

# Certificates of Completion

Module	# of Individuals with Certificates	# of Municipalities with Certificates
1: Orientation & Overview	65	38
2: School Bus Fleet	17	16
3: Municipal Fleet	18	15
4: Parking & Enforcement	15	14
5: Zoning	32	26
6: Building & Permitting	22	19
7: Public & Destination Charging	24	21
8: MUD Charging	18	18
9: Workplace Charging	17	17
10: Transit Fleet	11	10
11: Shuttle Bus Fleets	11	10
12: First Responder Fleets	10	10



## Testimonials

“EVs are coming, and I think towns need to plan ahead and be ready for it. We need to be sure to incorporate infrastructure in any projects we approve.”

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Director of Planning & Economic Development, Participating Municipality

“I think the moment is here on the electric vehicle front. What I am hoping is that we continue with these discussions and advocacy and learn more and make the investments needed to be up front. You're talking about the financial savings, globally, both from a cost-savings from fuel and cost-savings from maintenance potentially. In the big picture it talking about the liability and sustainability.”

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Mayor, Participating Municipality



# Module 2 Outcomes

## Electric School Buses

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- Wallingford will be applying for grants to add an electric school bus to their fleet this year

# Module 3 Outcomes

## Municipal Fleet

- Branford performed a municipal fleet inventory and will be adding one EV per year to their municipal fleet





NEAR		
PLATE	STATE	COLOR
MAKE	MODEL	CASE #
<b>\$25.00 VIOLATIONS</b>		
1. Overtime	9. Within 25 Ft of Stop Sign	
2. No Parking	10. Bus Stop	
3. Within 25 Ft of Crosswalk	11. On Sidewalk	
4. Within 10 Ft of Hydrant	12. On a Curve or Top of Grade	
5. Within 25 Ft of Intersection	13. Over 12 in. from Curb	
6. Obstructing Driveway	14. Outside Designated Space	
7. Wrong Side of Street	15. Parking On Grass	
8. Double Parked	16. Failure to Properly Display Permit/Plate	
17. Non-Electric Vehicle Parked in Electric Charging Station Designated Space		
<b>\$35.00 VIOLATIONS</b>		
18. Restricted Zone	19. Employee Permit Parking Area	
20. Failure to Pay Day Parking Fee at RR	21. Railroad Permit Parking Area	
22. Violation of Parking Authority Regulations		
<b>\$50.00 VIOLATIONS</b>		
23. Tow-Away Zone	24. Fire Lane	
<b>\$150.00 VIOLATIONS</b>		
25. Handicapped Area	26. Obstructing Handicapped Curb Cut/Hash Marks	
<b>\$200.00 VIOLATIONS</b>		
27. No Parking Beach Area	28. Restricted Beach Permit Area	
<p><b>FINES DOUBLE IF NOT PAID WITHIN 10 BUSINESS DAYS OF ISSUE DATE</b>  <small>FINES FOR VIOLATIONS 25 - 28 INCREASE BY \$50.00</small></p> <p><b>APPEALS MUST BE MADE WITHIN 10 BUSINESS DAYS OF ISSUE DATE</b>  <b>APPEALS CAN BE MADE ONLINE AT <a href="http://WWW.FAIRFIELDCTCITATIONS.RMCPAY.COM">WWW.FAIRFIELDCTCITATIONS.RMCPAY.COM</a></b></p> <p>Payment can be made <b>ONLINE</b> <a href="http://www.fairfieldctcitations.rmcpay.com">www.fairfieldctcitations.rmcpay.com</a>; by <b>PHONE</b> 631-459-4400; <b>IN PERSON</b> at Police Headquarters or by <b>MAIL</b> with check or money order in this envelope, check payable to: Fairfield Police Department</p>		

# Module 4 Outcomes

## Parking & Enforcement

- Fairfield created tickets for non-EVs parking in EV parking spots and for overstaying time limits on EV parking spots

# Module 5 Outcomes

## Zoning

- South Windsor Energy Committee finalized a draft set of zoning regulations for EVs and submitted draft zoning regulations to planning & zoning commission



**Electric Vehicle Charging (EVC) Station Uniform Permit Application**

Application Date: \_\_\_\_\_  
Municipal Permit #: \_\_\_\_\_  
Property Owner's Name: \_\_\_\_\_  
Property Owner's Address: \_\_\_\_\_  
Telephone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_  
Cell Phone: (\_\_\_\_) \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Applicant's Name: \_\_\_\_\_  
Contractor's Business Name: \_\_\_\_\_  
Contractor's License #: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: (\_\_\_\_) \_\_\_\_\_ Fax: (\_\_\_\_) \_\_\_\_\_  
Cell Phone: (\_\_\_\_) \_\_\_\_\_  
Email Address: \_\_\_\_\_

Date Stamp
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Occupancy Type: Check One  
**RESIDENTIAL:**  One Family  Two Family  Three Family  Multi Family  
**COMMERCIAL:** Please describe: (i.e. Retail, Business, Parking Garage)  
\_\_\_\_\_  
\_\_\_\_\_

Manufacturer of Charging Station: \_\_\_\_\_  
Location of Charging Station (i.e. Garage, Front or back of building) \_\_\_\_\_  
Type of Charging Station: Wall mounted  Pedestal type   
 Level I (120 volts)  Level II (208/240 volts)  Level III (480 volts)

**EXISTING SERVICE:**  
Size of Main Breaker: \_\_\_ Amps      Size of EV Branch Circuit \_\_\_ Amps  
**SERVICE UPGRADE:**  60 Amps to 100 Amps  
 100 Amps to 200 Amps  
 200 Amps to 400 Amps

Please describe if other: \_\_\_\_\_  
\_\_\_\_\_

Size of Main Breaker: \_\_\_ Amps      Size of EV Branch Circuit \_\_\_ Amps  
**NEW SERVICE:**  
Size of Main Breaker: \_\_\_ Amps      Size of EV Branch Circuit \_\_\_ Amps



# Module 6 Outcomes

## Building & Permitting

- Westport uses the state's universal EVSE permit for anyone installing new EV chargers

# Module 7 Outcomes

## Public & Destination Charging

- Wallingford is including pre-wiring for EVSE in a new parking lot with 128 parking spaces







## Module 8 Outcomes

### Multi-Unit Dwellings

- Shared information about EV chargers at MUDs with a new residential development project in Manchester and the Manchester zoning department

# Module 9 Outcomes

## Workplace Charging

- Wallingford is planning to expand EV charging access in their municipal parking lot





## Module 10 Outcomes

### Transit Buses

- Greater Bridgeport Transit has deployed their two first electric transit buses, with three more being deployed later this year

# Module 11 Outcomes

## Shuttles

- Hamden has set up a meeting with a large Continuing Care Retirement Community, Whitney Center (WC) about EV shuttles. WC runs shuttles around town—shopping, voting, medical appointments—and are great candidates for electrifying shuttle fleet over time.







## Module 12 Outcomes

### First Responders

- Westport has purchased and is currently operating an EV police car.

# 2021 Municipal EV Readiness Toolkit 9 - Month Program

February - November 2021

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## February

February 18 - Information Session for Municipal Decision Makers

- Overview of 2021 program
- Promise of the program
- Shared commitments
- Application/Enrollment process
- Access to report and case studies from 2020 Municipal EV Readiness Toolkit Program
- Participate in a program survey
- Participate in as many or few modules as you like

# 2021 Municipal EV Readiness Toolkit 9 Month Program

February - November 2021

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## February

February 25 - Orientation and Program Kick-off

- Building your municipal EV readiness team
- Access to program materials and resources
- Access to private Facebook group
- Access to toolkit portal with course materials
- Handout for each Module to guide you through the process

# 2021 Municipal EV Readiness Toolkit 9 Month Program

February - November 2021

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## March

March 2 - Module 1: Municipal Fleets

March 4 - Module 2: Zoning

March 9 - Module 3: Building & Permitting

March 11 - Module 4: MUD Charging

March 16 - Module 5: Public & Destination Charging

March 18 - Module 6: Parking & Enforcement

March 23 - Module 7: First Responders

March 25 - Module 8: Shuttle Buses



## 2021 Module Components



Creating an EV Team



Building a Cohort



Virtual meetings and coaching calls



Course materials & tools, resources



Champions

# Module 1 Goals

## Municipal Fleet

- Perform fleet analysis using AFLEET Tool
- Create a fleet replacement plan
- Apply for grants



# Module 2 Goals

## Zoning

- Add EV ready zoning requirements and/or incentives to the zoning regulations







## Module 3 Goals

### Building & Permitting

- Employ universal EV charging station permits
- Track new public charging permits





## Module 4 Goals

### Multi-Unit Dwellings

- Have Economic & Community Development Commission and Zoning Department develop a multi-unit dwelling charging infrastructure plan

# Module 5 Goals

## Public & Destination Charging

- Economic & Community Development Commission develops a public & destination charging infrastructure plan



# Module 6 Goals

## Parking & Enforcement

- Create a plan to install signage for EV charging locations
- Educate parking enforcement officers on laws regarding parking at EV charging stations
- Establish enforcement policies and issue citations for violations





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## Module 7 Goals

### First Responders

- Perform an inventory of first responder vehicles and identify options for electrification



# Module 8 Goals

## Shuttles

- Identify a contact in your municipality to do an inventory of municipal owned shuttles
- Identify vehicles that are eligible for VW Settlement Grant Funding or DERA Grants



# 2021 Municipal EV Readiness Toolkit 9 Month Program

February - November 2021

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## **April - November**

- Identify and meet with team members
- Toolkit resources, tools, and support provided
- Set and prioritize milestones and goals
- Create project schedule
- Achieve milestones and goals
- Communicate results with community
- Awards & Recognition

# We invite you to join us for the Municipal EV Readiness Toolkit 9 Month Program!



**Daphne Dixon** Executive Director and Co-founder

**Rachel McLoughlin** Program Manager

**Kelsey McCormack** Program Director

**Alyssa Murphy** Communications Manager

**Aidan Bennett** Speaker Liaison

For more information: Daphne Dixon (203) 536-4695 [daphne@livegreentct.org](mailto:daphne@livegreentct.org)

To receive the application and shared agreements, register for the Info Session and they will be sent to you:

<http://events.constantcontact.com/register/event?llr=s6mlhwcab&oeidk=a07ehikj9ktaa7ac67b>