



# The ABCs of EVs: Electric Vehicles 101

## **Municipal EV Considerations & Bylaws**

Massachusetts Municipal Association Annual Meeting

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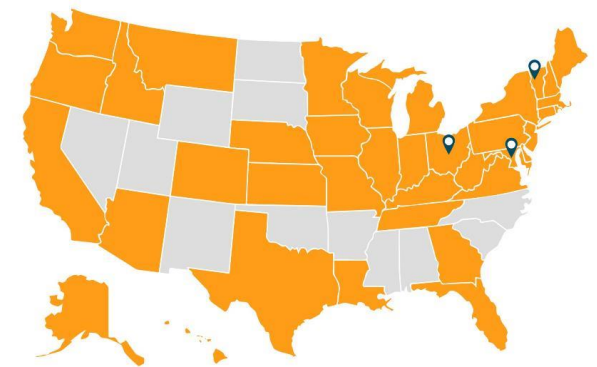
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# About VEIC

**VEIC is on a mission to generate the energy solutions the world needs.**

- Non-profit: energy efficiency, building decarbonization, and transportation electrification
- Clean Transportation group: increasing EV adoption and electrifying fleets, school buses and transit.



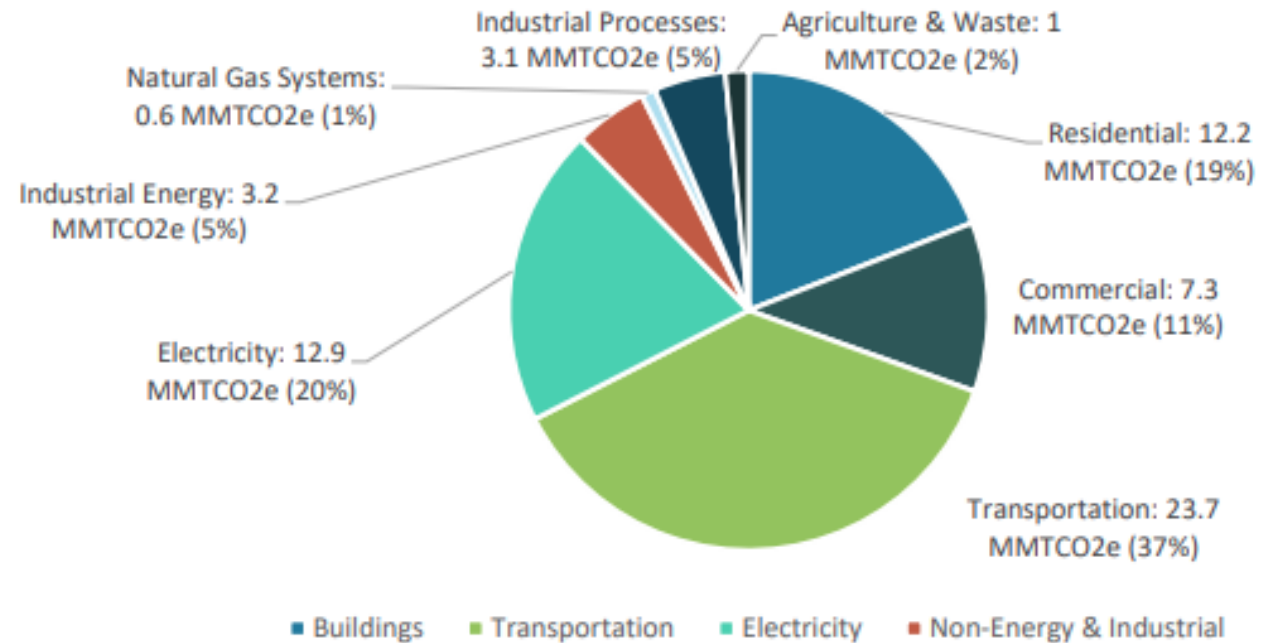
VEIC offices

Large scale implication

# Why Promote and Adopt EVs at All?

- Decrease fossil fuel consumption and pollution
- Save money
- Make possible ongoing, positive impact on local businesses
- Position the community to lead in sustainability

Figure 1.2. Distribution of Massachusetts GHG Emissions in 2020 (estimate)



Source: Massachusetts Clean Energy and Climate Plan for 2025 and 2030  
<https://www.mass.gov/info-details/massachusetts-clean-energy-and-climate-plan-for-2025-and-2030>

# Practical Steps to EV Adoption

- Planning and permitting
- Information sharing and outreach
- Electrify your municipal fleets!
- Support school bus electrification!
  - [MassCEC's Accelerating Clean Transportation School Bus \(ACTBUS\) Program](#)
  - [MassCEC's ACT School Bus Advisory Program Interest Form](#)





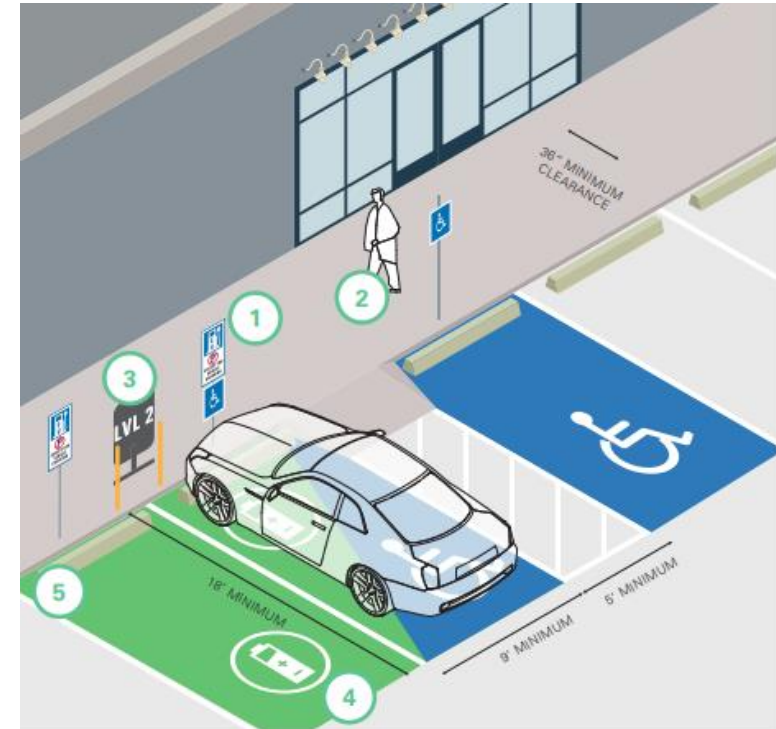
# Consider a Municipal EV Bylaw

- New construction
- Multi-unit dwellings
- Equity
- Site selection
- Transportation corridors
- EV readiness



# Steps to Sound Municipal EV Bylaws

- Define EV-related terms
- Allow charging as an accessory use (wherever there is parking)
- Allow charging stations as a principal fueling station (in specific cases)
- Streamline permitting through exemptions and / or administrative review
- Prepare your parking standards
- Update your sign standards
- Check your performance standards



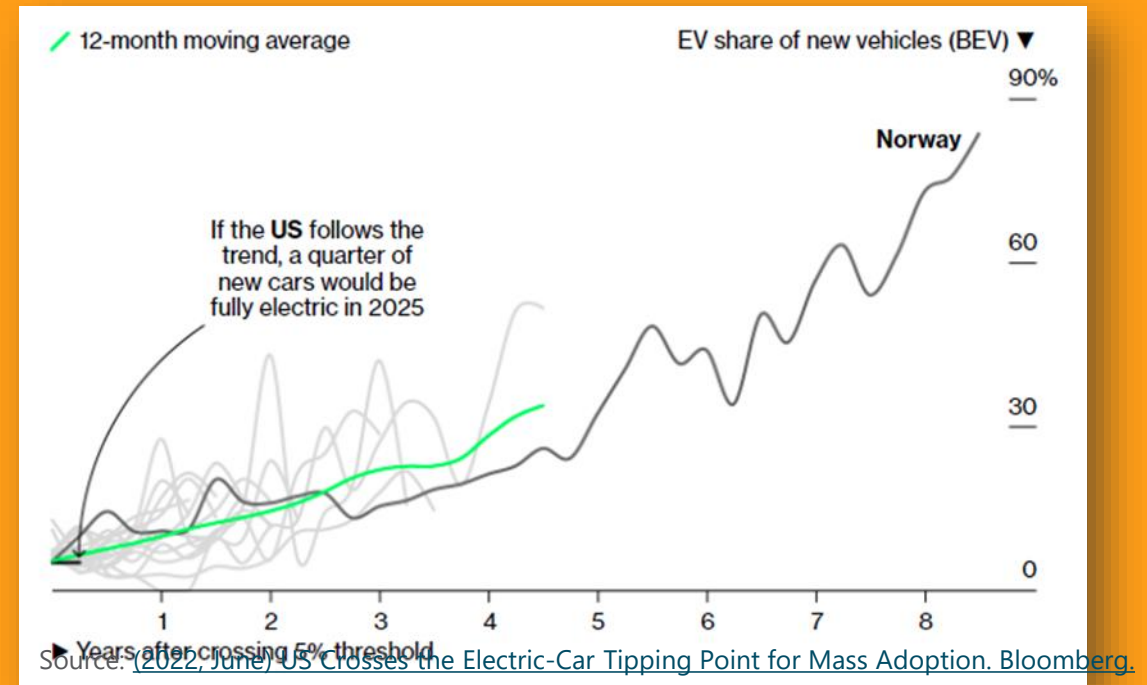
(1) Clear signage (2) safe pedestrian pathway (3) convenient location (4) special striping (5) equipment protection

**Source:** [NY State Siting and Design Guidelines for EVSE](#)

# Conclusion

- EV readiness in new construction offers significant savings
- Streamlined planning and permitting requirements are critical
- Electrifying municipal fleets can set the example, and provide best practices
- Intermunicipal coordination will lead to positive outcomes for all

## Have we reached the tipping point?







## Get in touch

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# Useful Resources

- [Cape Cod Commission Model Municipal Electric Vehicle Bylaw – prepared by VEIC](#)
- [Chittenden County Regional Planning Commission EV Charging Station Guidebook – prepared by VEIC](#)
- [Southern Maine Planning & Development Commission & Maine Clean Communities Coalition – Municipal EV Readiness Toolkit](#)
- [Massachusetts Stretch Energy Code Development 2022](#)
- [City of Boston, MA – Electric Vehicle Readiness Policy For New Developments](#)
- [Massachusetts Clean Cities](#)
- [MassDOT National Electric Vehicle Infrastructure \(NEVI\) Deployment Plan](#)
- [US DOE Alternative Fuels Data Center – Massachusetts](#)
- [US DOE Alternative Fuels Data Center – EV Infrastructure Projection Tool \(EVI-Pro\) Lite](#)
- [Mass EVIP Public Access Charging \(PAC\) Program Requirements](#)
- [Electrification Coalition EV Policy Dashboard](#)