

REGIONAL EV STRATEGY

Right to Charge Legislation and Turnkey Electric School Bus Procurement Under 30B

December 14, 2023



Today's Agenda

1:00-1:05 p.m.	Welcome	Emma Zehner, MAPC
1:05-1:15 p.m.	Overview of State Right to Charge Legislation	Georgia Marlow, MAPC
1:15-1:25 p.m.	Municipal Right to Charge Ordinances: Takeaways & Discussion	Bill Deignan, City of Cambridge Charles Creagh, City of Cambridge
1:25-1:35 p.m.	Right to Charge: Discussion/Q&A	All
1:35-1:50 p.m.	Turnkey Electric School Bus Procurement Under 30B: Template RFP and Guidance Document	Marjie Weinberger, MAPC Alison Felix, MAPC
1:50-2:00 p.m.	Turnkey Electric School Bus Procurement – Discussion/Q&A	All
2:00-2:20 p.m.	Municipal Updates	All
2:20-2:25 p.m.	Updates	Alison Felix, MAPC
2:25-2:30 p.m.	Wrap Up & Next Steps	Alison Felix, MAPC



Overview of Proposed State Right to Charge Legislation

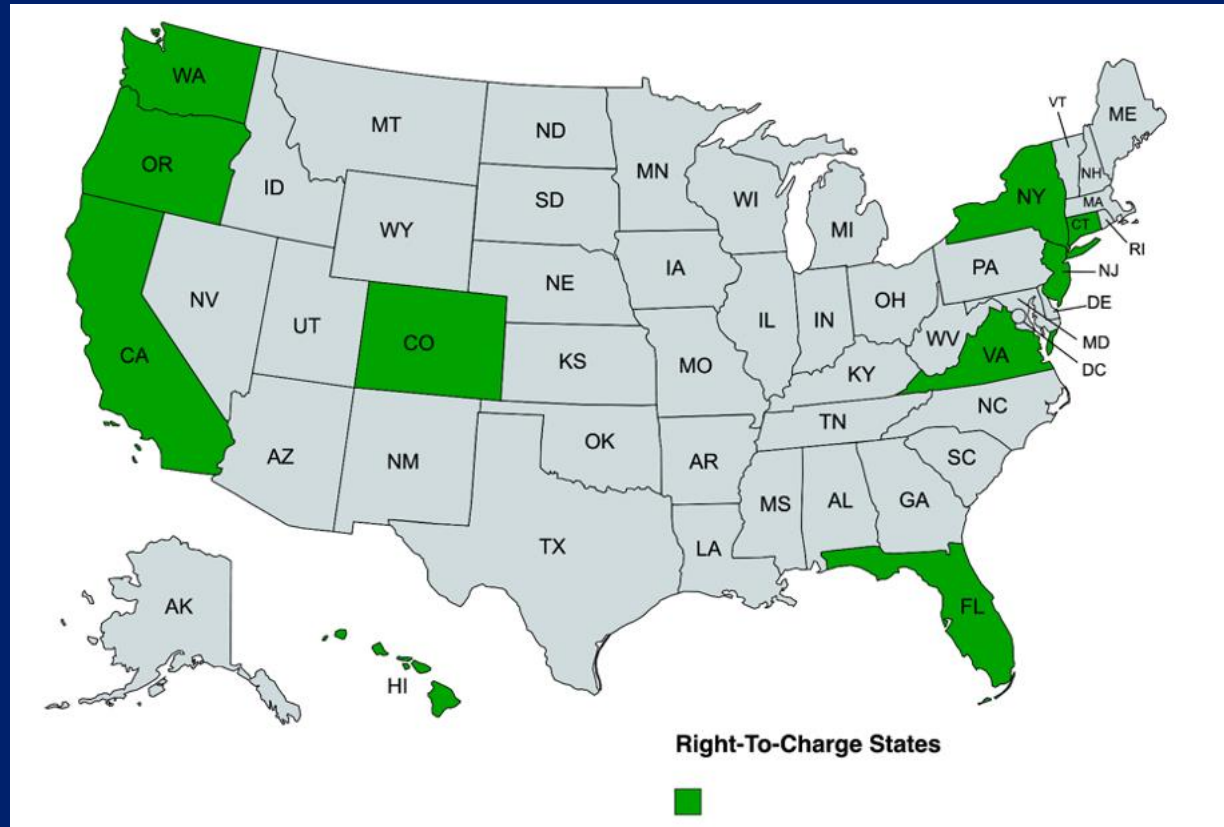


H.1303 An Act to Ensure the Right to Install Electric Vehicle Charging Stations

Filed by Representative Ciccolo and Representative Owens

"Associations, Historic District Commissions (HDCs), Leases, and Neighborhood Conservation Districts (NCDs) may not prohibit or unreasonably restrict an owner from installing an electric vehicle charging station on or in areas subject to their separate interest, on or in areas to which they have exclusive use, or on a common element, so long as it was within a reasonable distance of the dedicated parking space. Nothing in this section shall be construed to prohibit an association, HDC, or NCD from making reasonable restrictions as defined in Section 1."





REGIONAL EV STRATEGY



Municipal Right to Charge Ordinance: Takeaways & Discussion



Q&A



Turnkey Electric School Bus
Procurement Under 30B: Template
RFP and Guidance Document



Turnkey Electric School Bus Procurement Under 30B

Polling Questions!



Turnkey Electric School Bus Procurement Under 30B

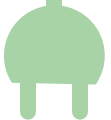
- How did the RFP Template come about?
- Why an RFP?
- The RFP Template is intended to be reviewed and adapted in conjunction with the Guidance Document, which identifies issues for consideration when developing a 30B compliant RFP for the purchase of electric school buses.
- Essential things to consider prior to drafting the RFP:
 - Term Length
 - Funding Source Procurement Requirements
 - Purchase or Lease
 - Installation a separate procurement – MGL c. 30, 39M



Turnkey Electric School Bus Procurement Under 30B

What will you include in your procurement?

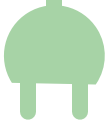
- Infrastructure – charging equipment
- Maintenance – bus and charging equipment
- Parts on hand
- Training for municipal fleet operators
- Key performance indicators
- Penalties v. liquidated damages
- Municipal support – garaging, working with utilities, siting of equipment, payment of electricity costs, grants, matches, tax credits



Turnkey Electric School Bus Procurement Under 30B

Pricing Considerations

- Price sheet must include all bus options
- Build a bus for price comparison
- Costs for Maintenance
- Repair Services (hourly rates)
- Additional Warranties



Turnkey Electric School Bus Procurement Under 30B

Emerging Issues with Electric School Buses

- Can collective purchasing of electric school buses be considered energy aggregation? MGL c. 164, 137 (no additional installation procurement requirements).
- Can purchasing electric school buses be considered energy conservation for a \$300,000 pilot? MGL c. 25A, s. 14.



Turnkey Electric School Bus Procurement Under 30B

KEY LEARNINGS

Ownership

- This template is only for school districts or municipalities who directly own or lease their school buses, not those who contract school bus services through a third-party vendor.
- This template does not apply for lease to purchase transactions.

EVSE Installation is a Separate Procurement

- M.G.L. c.30B. does not include the ability to procure charging infrastructure. Installation of charging infrastructure may have to be procured separately as a construction procurement under M.G.L. c.30-39M.

Contract Length

- To enter into a contract length for a lease agreement longer than three years, approval will need to be given by the governing body that has authority either in advance of the procurement or prior to the award of the contract.



LINKS TO RESOURCES:

[Template RFP for Procurement of a Turnkey Electric School Bus Service](#)

[Guidance Document to Develop a Solicitation for a Turnkey Electric School Bus Service](#)

[Additional Resources when Developing a Solicitation for a Turnkey Electric School Bus Service](#)

Thank you!

Marjorie Weinberger, General Counsel
Metropolitan Area Planning Council
mweinberger@mapc.org

Alison Felix, Principal Planner
Metropolitan Area Planning Council
afelix@mapc.org



Q&A



Municipal Updates



Municipal Updates

PUBLIC CHARGING STATIONS

Somerville

- Adding new bike lanes can block EVSE installation opportunities.
- One new public charging station installed with additional stations to be connected and installed next year.

Hamilton

- Two DCFC stations were funded by EVIP and National Grid. Finding funding for out-of-pocket costs is a challenge.
- Charging a fee for DCFCs so stations are budget neutral

Winchester

- Issued an RFP for the sale of two DCFC stations and for their operation and maintenance for three years at no cost to the municipality. A vendor has been selected and contract negotiations have started.

Newton

- Created a map that identifies municipal parking lots where the installation of large numbers of chargers would service nearby apartment dwellers who want to purchase an EV but have no place for overnight charging. Challenge is how to realize the plan.



Municipal Updates

SCHOOL BUS AND MUNICIPAL FLEET ELECTRIFICATION

Weston

- Working with schools to plan fleet electrification for 33 buses and develop a school fleet electrification policy
- Presenting to School Committee to ask for commitment to an electric bus pilot program to allow Weston to apply for grants

Quincy

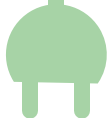
- Working on procurement of 4 electric school buses and EVSE with various funding sources (looking into Clean Vehicle Tax Credit now)
- Faced challenges convincing school department to allow public to use ESVE after school hours
- Studied feasibility of EVSE at DPW yard, but flooding concerns making siting infeasible

Newton

- Running into challenge with electrifying school buses and looking for successful models with a third-party vendor

Medfield

- Town purchased first two hybrid vehicles.



Municipal Updates

QUESTIONS

Melrose

- The issue of charging equipment maintenance (who's responsible for it within the municipality, funding the repairs, budgeting for maintenance & software upgrades, etc.) continues to swirl around. How are other towns dealing with issues of charging equipment maintenance?

Beverly

- For those with MassEVIP funding or relying on utility Make Ready funding, how has implementation gone? Which vendors and equipment were chosen?

Weston

- We are looking for an organization / resource for route planning technical assistance. Is that something MAPC could do, or is there another organization that could help with that?



Updates



EPA Clean School Bus Rebate Program



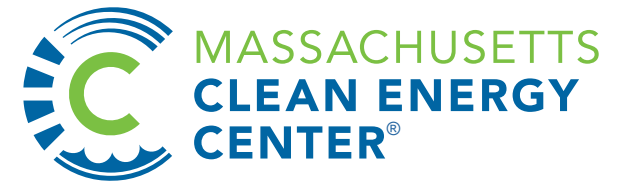
**EPA CLEAN
SCHOOL BUS**

Source: <https://www.epa.gov/cleanschoolbus>

- Round 3 will provide at least \$500M in rebates awarded to applicants nationwide.
- Approximately 60% of funds are set aside for priority districts, with the remaining 40% allocated to non-priority districts.
- Application Requirements Include:
 - School Board Awareness Certification
 - Utility Partnership Agreement
 - Active SAM.gov Registration
- **Application Deadline: January 31, 2024, at 4:00pm (ET)**
- Application Details:
<https://www.epa.gov/cleanschoolbus/clean-school-bus-program-rebates>

MassCEC's ACT School Bus Fleet Deployment Program

- Up to \$2.5 million in flexible funding for depot upgrades and purchases of electric school buses and charging infrastructure
- Opportunity to work with MassCEC consultant team to address gaps in technical knowledge preventing fleet deployment
- Public school districts and private school bus transportation contractors are eligible (same eligibility requirements as EPA program)
- Complement to 2023 EPA Clean School Bus Grant Program
- Watch recent webinar: <https://www.youtube.com/watch?v=sO45YehGGYo>
- Application Deadline: January 11, 2024 4 pm EST
- Apply: <https://www.masscec.com/program/accelerating-clean-transportation-act-school-bus-fleet-deployment#apply>



Electric Vehicles and Related Infrastructure on Statewide Contract

- OSD hosted webinar on December 7, 2023.
- Link to view webinar recording [here](#).

Agenda

1. Supply Chain Updates
2. Understanding Statewide Contract VEH110
Light and Medium-Duty Vehicles
3. Understanding Statewide Contract VEH102
Advanced Vehicle Technology Equipment, Supplies and Services
4. Environmental and Sustainability Considerations
5. Contract Resources
6. Q&A



Guidance on EV Tax Credits

- New guidance detailing how qualified EV dealers and purchasers can more easily access the IRA clean vehicle tax credits
- Transferability rules:
 - Allow qualifying buyers to transfer credits to a qualified dealer in exchange for cash (rather than requiring the buyer to claim the credit on their tax return later)
- **Guidance:** <https://public-inspection.federalregister.gov/2023-22353.pdf>
- **FAQ:** <https://www.irs.gov/newsroom/frequently-asked-questions-about-the-new-previously-owned-and-qualified-commercial-clean-vehicles-credit>
- **Learn more:** <https://www.zeta2030.org/news/zeta-irs-transferability-guidance-is-key-to-simplifying-consumer-experience-and-accelerating-ev-adoption>



Source: <https://www.pexels.com/photo/close-up-of-electric-car-15323577/>



New England Parking Council Municipal Forum

Who's Charging – Panel discussion with Boston, Cambridge and Melrose, facilitated by MAPC

March 7, 2024 2:00 PM-3:00 PM ET

Welcome to the intersection of innovation and creativity to address public charging. The Metropolitan Area Planning Council will facilitate the discussion on curbside charging as we delve into three case studies with speakers from Boston, Cambridge and Melrose.



Martha Grover
Sustainability Manager
City of Melrose



Charlie Creagh
City of Cambridge



Matt Warfield
City of Boston



Alison Felix
Metropolitan Area Planning Coun...

- Focus on EV charging
- March 7, 2024 in Somerville
- Focus on EV charging,
Full agenda: <https://web.cvent.com/event/e5f70beb-d321-4587-871b-b57a09f0ce27/websitePage:645d57e4-75eb-4769-b2c0-f201a0bfc6ce>
- Session facilitated by MAPC to highlight Boston, Cambridge, Melrose creative approaches to public charging
 - Featuring EV working group members Martha Grover, Charlie Creagh, Matt Warfield, and Alison Felix
- Municipal Registration: \$55 for members, \$95 for non-members
- Register: <https://web.cvent.com/event/e5f70beb-d321-4587-871b-b57a09f0ce27/regProcessStep1>

Free Fire Safety Courses on Energy Storage and Alternative Fuel Safety

Web-Based Safety Trainings

These courses are interactive, video-based courses with videos, graphics, 3D animations, simulations, and data review exercises, and you can repeat any section on demand.

The entire self-paced program takes approximately 4 hours to complete. You can exit the program and return where you left off. Students will receive a certificate upon completion.

Alternative Fuel Vehicles: Click [HERE](#) and use coupon code **MASSCEC1** to register for free!

Energy Storage and Solar Safety: Click [HERE](#) and use coupon code **MASSCEC2** to register for free!

- MassCEC and the National Fire Protection Association are offering two free fire safety courses on Energy Storage and Alternative Fuel Vehicle Safety!
- Audience: Firefighters, First Responders, and anyone interested.
- Trainings are web-based and are self-paced.

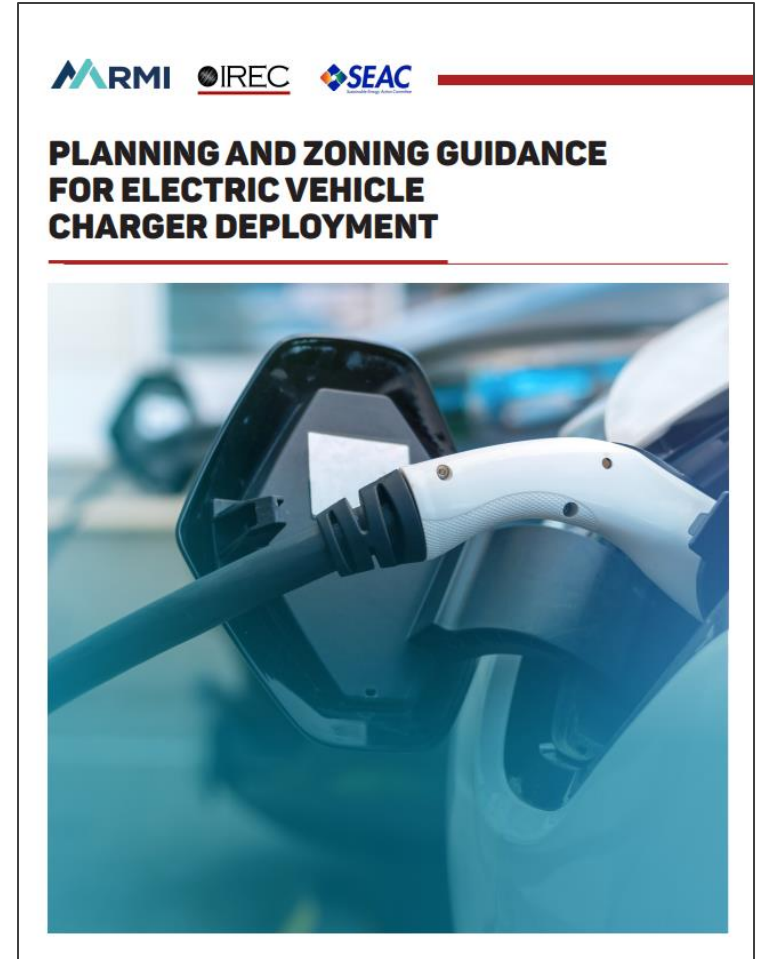
- Learn more:

https://mcusercontent.com/cfa86dfbf4982660c6328d00/files/8569dd9b-5808-af70-8187-21c11517b446/Web_Based_NFPA_Safety_Trainings_One_Pager_2_.pdf?mc_cid=b4f0982f42&mc_eid=a491bcb75c

Planning and Zoning Guidance for Electric Vehicle Charger Deployment

SEAC, RMI, and the Interstate Renewable Energy Council (IREC) published a guidance document that includes:

- Discussion and recommendations on common planning and zoning challenges including permitted accessory use, parking, accessible use, design and aesthetics, and the approval process.
- References to comprehensive planning documents approved from municipalities including Boston, Chicago, and Phoenix.
- Sample code text on zoning, permitted accessory use, parking count, parking mandates, accessibility, and EV charger readiness.
- Recommendations on providing equitable access to on-street public charging for households without access to off-street parking
- [Link to view executive summary or to complete signup form to download report.](#)



Wrap Up and Next Steps



Wrap Up & Next Steps

Next Meeting February, 15th – 1-2:30pm - agenda TBD

If you aren't already on our invite list, please email ezehner@mapc.org to be added for future meetings.

