



ZEV Commission

Fall 2022 Meeting
10/21/2022



ZEV Commission Agenda – Fall 2022

- Welcome & Introductions
- Changes to federal and state EV policy in 2022
- National Electric Vehicle Infrastructure Plan
- Upcoming MOR-EV program changes
- School Bus electrification update
- Public Comment



Significant EV Policy Developments in 2022

- June 2022: EEA releases Clean Energy and Climate Plan for 2025/2030 calling for 200,000 EVs on the road by 2025 and over 900,000 EVs by 2030.
- August 2022: Gov. Baker signs *An Act Driving Clean Energy and Offshore Wind*, which makes a number of changes to EV incentive programs.
- August 2022: Congress passes Inflation Reduction Act, extending federal EV tax credit and making a number of changes to encourage point of sale incentives and domestic manufacturing.
- August-September 2022: MassDOT submits National EV Infrastructure Plan (NEVI) to USDOT, opening up \$63M in federal funds for EV infrastructure along highway corridors in Massachusetts.



EVs in 2025/2030 Clean Energy and Climate Plan

- 2025/2030 Climate Plan calls for EVs to become majority of new cars sold by 2030.
- Provide more alternatives to personal vehicles through investments in transit, housing, multimodal infrastructure, support for e-bikes.
- Electrification of all MBTA buses by 2040.
- Implementation of Advanced Clean Cars 2 and Advanced Clean Truck standards.
- Reforms to MOR-EV to make the program more accessible and cost-effective.
- Focused efforts to address fleets with critical public health and equity benefits, including school buses, vehicles for hire and delivery trucks.



EV Tax Credit in IRA

- Removes per-manufacturer cap and extends EV tax credit for all OEMs through 2032.
- New eligibility requirements: \$150k single / \$300k married.
- New MSRP caps: \$55k for sedans, \$80k for pickups/SUVs/vans
- Credit can be transferred to dealership to allow point of purchase incentive.
- Domestic manufacturing requirements:
 - All vehicles must be assembled in North America
 - No battery components or assembly from “countries of concern” by 2024
 - Increased NAFTA battery manufacturing requirements: 40% in 2024 rising to 100% by 2029.



New Used EV Tax Credit

- \$4,000 tax credit (maximum 30% of vehicle price) for purchase of a used EV.
- Income requirements: \$75k for individual, \$150k married. MSRP cap \$25k.
- Sales must be from a dealership.
- Credit is transferrable to allow point of sale incentive.



Additional EV programs in IRA

- Qualified Commercial Tax Credit: provides a tax credit for commercial vehicles, \$7,500 for light duty vehicles and \$40,000 for medium and heavy duty vehicles.
- Expands Alternative Fuel Vehicle Property Credit
- Extends incentives for biodiesel and renewable diesel.
- \$1B for Clean Heavy Duty Vehicle grant program.
- \$3B for grants to reduce air pollution at ports.
- \$3B for USPS
- \$3.2B for Neighborhood Access and Equity Grants



EVs in Massachusetts Climate Bill

- Increases MOR-EV rebate to \$3,500.
- Defines zero-emission vehicle to exclude PHEVs.
- Creates \$1,500 low-income incentive.
- Provides additional incentive for vehicle trade ins.
- Creates Intergovernmental Coordinating Council to implement EV charging plan.



EVs in Massachusetts Climate Bill

- DPU must create plan to electrify TNC vehicles.
- All MBTA bus purchases must be electric by 2030 and all on road buses must be electric by 2040.
- Requires RTAs to develop EV rollout plans with goals for electrification of buses.
- Appropriates \$0 to achieve the above objectives.



EVs in other recent MA legislation

- Budget authorizes “not less than” \$27M in RGGI funds to electric vehicle incentive programs through FY 2023.
- Transportation Bond Bill (TRAC) provides \$200M in bonding authorization for electric vehicle programs (ebikes, vehicles for hire, delivery trucks, school buses, etc).



Intergovernmental Charging Council

Draft agenda for Intergovernmental EV Charging Council.

- Meeting #1: Current Programs and Modeling (January 2023)
- Meeting #2: Advances in EV charging technology (February 2023)
- Meeting #3: Grid Management (March 2023)
- Meeting #4: Operations and Maintenance (April 2023)
- Meeting #5: Equity (May 2023)
- Meeting #6: Financing (June 2023)
- Meeting #7: Finalize policy recommendations (July 2023)