

All About Grants! Funding State and Local Government Projects to Reduce GHG Emissions

MassBUYS Conference

May 1, 2025

11:15 am – 12:15 pm

Eric Friedman & Sophia Vitello, Leading by Example Division (LBE), DOER

Lisa Sullivan, Green Communities Division, DOER

Haidee Janak, Transportation Programs, MassDEP



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Session Agenda

Setting the Context - MA Climate Goals & Strategies – Eric Friedman

Leading by Example Available Resources for State Entities - Sophia Vitello

Green Communities Available Resources for Municipalities – Lisa Sullivan

EV and EVSE Available Resources for All Public Entities – Haidee Janek

Q&A



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Clean Energy & Decarbonization Resources for Public Entities

Eric Friedman & Sophia Vitello
Leading by Example Division (LBE), DOER



Caveats

- Not all grants are available to all public entities
- Some programs have limited funding, so check with websites or program managers before applying
- All programs have specific eligibility requirements
- Accessing funding can take time – plan ahead

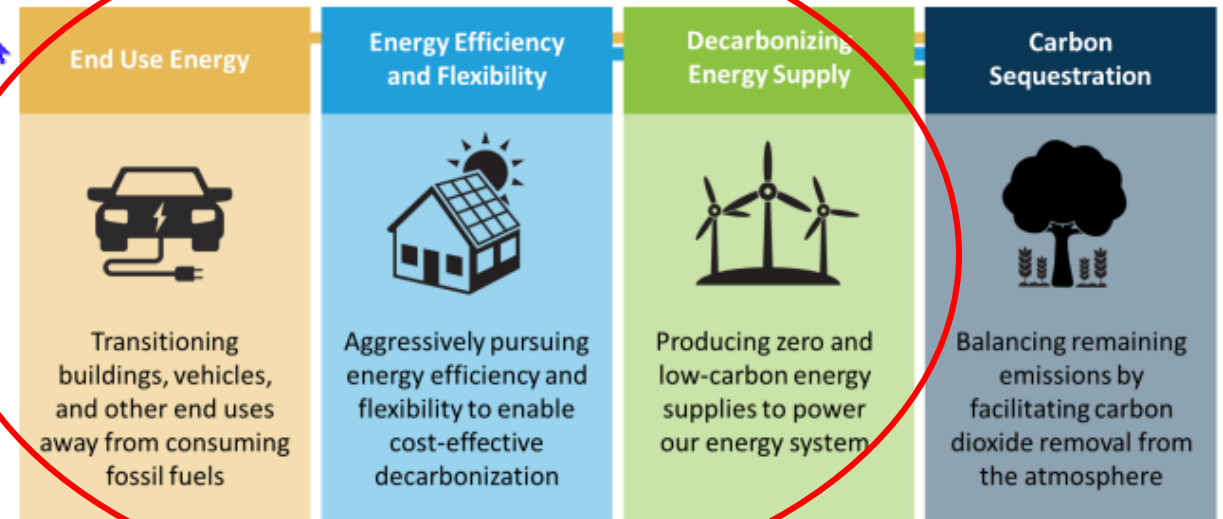
MA Climate Goals

The Global Warming Solutions Act (GWSA) requires MA to achieve Net Zero in 2050

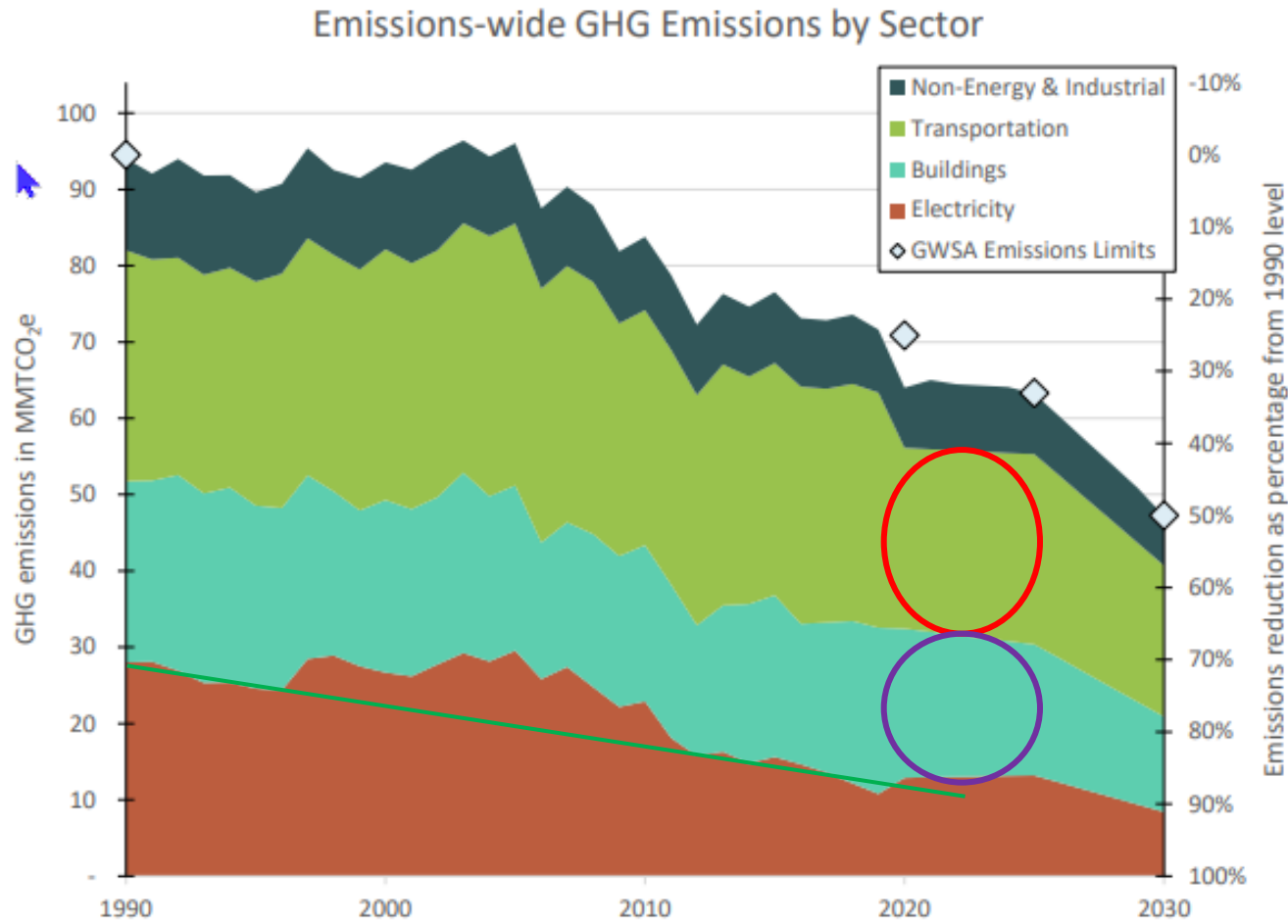
GWSA Net Zero target requires MA to:

1. Achieve gross emissions **reductions of 85% below 1990 levels**
2. Ensure that the total statewide GHG emissions released into the atmosphere are less than or equal to the amount removed from the atmosphere (**net zero**)

Figure 1.1. Four Key "Pillars of Decarbonization" to Achieve Net Zero in 2050



Targeting Key Sectors



As of 2020:

Electricity emissions have declined significantly from 1990 (20% of total)

Transportation is largest source of emissions (37% of total)

Buildings not far behind (31% of total)

How is MA meeting these goals?

There are a lot of programs happening in MA right now!

Building
decarbonization



Electric vehicles



Greening
the grid



MA State Programs Supporting Goals

Mass Save Three-Year Plan Goals

- Reduce greenhouse gas emissions through strategic electrification
- Eliminating many rebates for lighting and fossil fuel systems
- Focus on equity and income qualified residents

SMART For Solar

- Provides ongoing payments over 20-years calculated based on system characteristics & siting
- New regulations coming that may change incentives offered

Offshore Wind Long-Term Contracts

Clean Peak Standard (CPS)

- CPS applies to electricity suppliers that are required to provide a certain amount of energy from Clean Peak resources annually.
- Recent changes to requirements and incentives to make Clean Peak resources and their generation more valuable.

EV Station Infrastructure

- Electric Vehicle Infrastructure Coordinating Council (EVICC) Charging Station assessment and recommendations through 2030
- MassDOT deployment of DCFC stations along major highway corridors

Stretch and Specialized Opt-In Code

- Focus on significantly improved envelope and cold climate heat pumps for new construction
- EO 594 requires code compliance for state projects.



Public Entity Resources: Fleets, Solar, Decarbonization

Sophia Vitello, DOER

Agenda

Electric Vehicle Incentives

Fleet Electrification Planning Resources

EV Charging (EVSE) Incentives

Solar Incentives

Decarbonization Incentives

EV Incentives: MOR-EV Pick Ups/Class 2b & 3-8

Eligible entities: **local, municipal, and state governments**, **MA residents**, **private businesses/nonprofits in MA**, **educational institutions**

Eligibility & Incentives Amounts	Pick Up & Class 2b Trucks	Class 3-8
Application Process	Submit within 90 days of purchase or lease	2 step voucher process
Price Cap	\$80,000	\$2,000,000
GVWR Cap	Pick Ups: 6,000-10,000 Class 2b: 8,501-10,000	10,001+
Base Rebate Value	\$7,500	\$15,000 - \$90,000 Vary by GVWR
Add-ons	\$1,500 MOR-EV+ Adder <u>Only for residents</u>	10% EJ Adder

[Click here to learn more](#)

Office of Vehicle Management, City of Cambridge, Town of Arlington and others have taken advantage of these rebates

Fleet Electrification Planning Resources

These resources provide fleets with total cost of ownership and environmental impact analyses of electrification and help identify the best replacement schedule for transitioning the fleet to electric.

Fleet planning resource	Eligibility	How to get started/access
National Grid & Eversource fleet advisory services	State & municipal fleets in National Grid or Eversource electric service territory	Contact hugh.reece@nationalgrid.com (National Grid)
Mass Clean Energy Center Fleet Advisor (managed by CALSTART)	State & municipal fleets in an MLP service territory Fleet must have at least 3 vehicles with at least 1 MD or HD vehicle	Sign up to participate at massfleetadvisor.org For questions, contact Sydney Hayes (shayes@calstart.org) or Nahlia Yefet (nyefet@masscec.com)
Dashboard for Rapid Vehicle Electrification (DRVE) Tool	All fleets (LBE is available to support state fleet analyses)	Tool available to download free from Electrification Coalition here State fleets interested in working with LBE on a DRVE fleet analysis, contact sophia.vitello@mass.gov

State Fleet Planning Underway

OVM-Managed Fleet Planning

40
fleets

- OVM worked with a consultant to develop electrification plans for each state fleet under their jurisdiction
 - In coordination with each state entity
- Created “glidepaths” or roadmaps for zero-emission vehicle (ZEV) transition for each fleet out to FY2030

Non-OVM Managed Fleet Planning

52
fleets

- LBE supporting the development of fleet electrification plans for non-OVM managed state fleets (inc. higher ed, authorities, etc.)
- Connect fleets with free planning resources
 - Eversource & National Grid fleet advisory services, MassCEC Fleet Advisor, DRVE tool

Goal → Roadmap to meet FY2030 Executive Order 594 fleet electrification target (20% ZEV by FY30)

FY25 Fleet EV Charging Deployment Grant

For dedicated state fleet EV charging infrastructure.

Covers up to 100% of costs, including: equipment, assessment, installation, construction, wiring, prepaid maintenance/data packages, extended warranties.

Grant Limit (per agency):

Fleet < 200 vehicles = \$300,000

Fleet ≥ 200 vehicle = \$500,000

Eligibility: Executive Branch agencies, public higher education, and authorities

Application Deadline: Applications accepted on a rolling basis

Note: for non-domicile projects, work must be complete by end of June 30, 2025.

Remaining Funding for non-domicile: \$7,919

Remaining Funding for domicile: \$150,000

Available EJ adder

DOER has requested additional CIP funding to continue this program in FY26



UMass Chan Medical received \$125,000 grant to deploy 16 fleet charging ports



Solar Resources for State Entities

Solar-Decarbonization Grant

New solar PV, battery energy storage, public or workplace EVSE, decarbonization projects.

Cost per watt (solar) incentive with optional storage, EVSE, and decarbonization funding.

Grant Limit: Up to \$2,500,000 per project

Eligibility: Executive Branch agencies, public higher education, and authorities

Application Deadline: Applications accepted on a rolling basis

Remaining Funding: \$22.5M

Available EJ adder



Salem State has applied for \$93,724 to deploy 76 kW DC rooftop solar and a new heat pump system at Ellison Center

Restoration Grant Program for Solar & Decarbonized Systems

Up to 100% eligible project cost coverage for repair or replacement of critical components for existing solar PV and electrified heating systems at state facilities.

Grant Limit:

Per entity = \$1.5M

Per project = \$500,000

Eligibility: Executive Branch agencies, public higher education, and authorities

Application Deadline: Applications accepted on a rolling basis

Remaining Funding: \$5M

Available EJ adder





Decarbonization Resources for State Entities

Equipment Decarbonization Grant

Federally funded program for heat pumps, heat pump water heaters, electric kitchen, landscaping, or operations & maintenance equipment.

Cost coverage: 40%–55% of eligible project costs.

Eligibility: Executive Branch agencies, public higher education, and authorities

Grant Cap: \$150,000-\$350,000 per project depending on category

Application Deadline: Applications accepted on a rolling basis

Remaining Funding: \$2.22M

Available adders:
*Environmental Justice
*Pollinator Habitat



UMass Amherst awarded \$160,000

for:

- 5 ride on mowers
- 1 slope mower
- 1 construction rammer
- 1 construction wacker
- 1 asphalt roller

Clean Energy Feasibility Studies Grant

For clean technologies or strategies that target energy, emissions, and/or fossil fuel reductions (e.g., pollinator habitat study)

Eligibility: Executive Branch agencies, public higher education, and authorities

Grant Limit: Up to \$150,000 per study

Application Deadline: Applications accepted on a rolling basis

Remaining Funding: TBD-Contact grant manager



Source: MWRA

MWRA awarded **\$150,000** to study feasibility of **battery energy storage** at Deer Island Treatment Plant



LBE Grant Programs

See our [grants website](#) for more information.



Solar-Decarbonization

Incentives for solar PV, decarbonization projects, and associated EVSE & storage at state owned facilities

LBE Contact: Sophia Vitello (Sophia.Vitello@mass.gov)



Equipment Decarbonization

Partial cost coverage for electrifying state-owned equipment

LBE Contact: Morgan Bowler (Morgan.Bowler@mass.gov)



Fleet EV Charging Equipment

Up to 100% cost coverage for deployment of EVSE at state facilities

LBE Contact: Sophia Vitello (Sophia.Vitello@mass.gov)



Clean Energy Feasibility Studies

Funding for studies examining the feasibility of technologies and strategies

LBE Contact: Morgan Bowler (Morgan.Bowler@mass.gov)



Restoration Program for Solar & Decarbonized Systems

Cost coverage for repair or replacement of critical components for existing systems at state facilities

LBE Contact: Arianna Zrzavy (Arianna.Zrzavy@mass.gov)



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Green Communities

Funding Opportunities

Massbuys Expo 5-1-2025

Presented by
Lisa Sullivan, Southeast Regional Coordinator



TYPES OF GRANT FUNDING

Grants Available to All Municipalities and Districts

Grants to Communities Seeking Green Communities Designation

Grants Available to Designated Green Communities

Grants Available to Communities Seeking Climate Leaders Certification

Grants Available to Certified Climate Leader Communities

Grants Available to All Regional School Districts

Green Communities Division

The energy hub for *all* Massachusetts cities and towns,
not just designated Green Communities.



Green Communities Division

Programs and Resources for Municipalities

- In addition to our grant programs, DOER offers:
- Website filled with tools & resources, including guidance documents
<https://www.mass.gov/orgs/massachusetts-department-of-energy-resources>
- Access to clean energy news, activities, grants & resources via email
<https://www.mass.gov/forms/subscribe-to-doer-email-lists>

Municipal Energy Technical Assistance – META

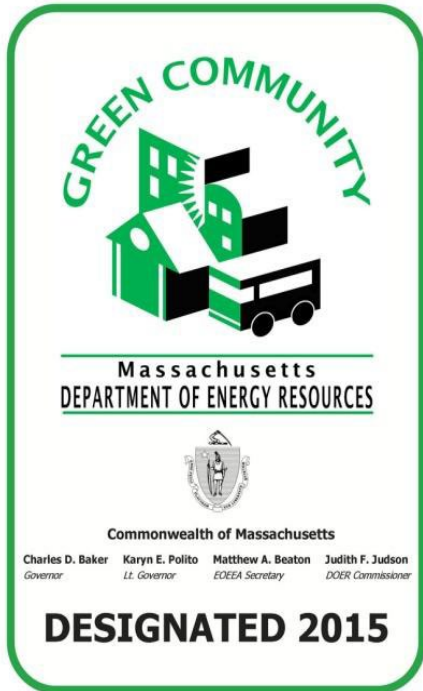
Available To All 351 Cities & Towns & Districts

- Provide funding to independent third parties to aid municipalities, regional school districts, and water/wastewater districts in the study, negotiation, development and/or management of clean energy projects
- Offered on an annual basis, as long as funding is available
- The amount of available funding, for future Grant rounds may vary
- The cumulative total of actual awards depends upon the number of applications received, their eligibility and the funding allocation available for this Grant program

Application Period is Closed. View previous PON on Commbuys

[DOER PON-ENE-2025-019 Green Communities Municipal Energy Technical Assistance Grant Program Round 13](#)

Green Communities Designation & Grant Program



Qualification Criteria - Designation

1. Adopt as-of-right siting for RE/AE generation, R&D, or manufacturing -
2. Adopt expedited permitting process
3. Create an Energy Reduction Plan to reduce energy use by 20% in 5 years
4. Adopt Fuel Efficient Vehicle Purchase Policy
5. Minimize life cycle cost in new construction → adopt the Stretch Code

A link to all of our guidance documents:

<https://www.mass.gov/guides/becoming-a-designated-green-community>

Regional Energy Planning Assistance- REPA

Municipalities Seeking GC Designation & Eligible GC's

Grants are available for eligible Technical Assistance Agencies to augment municipal capacity necessary to:

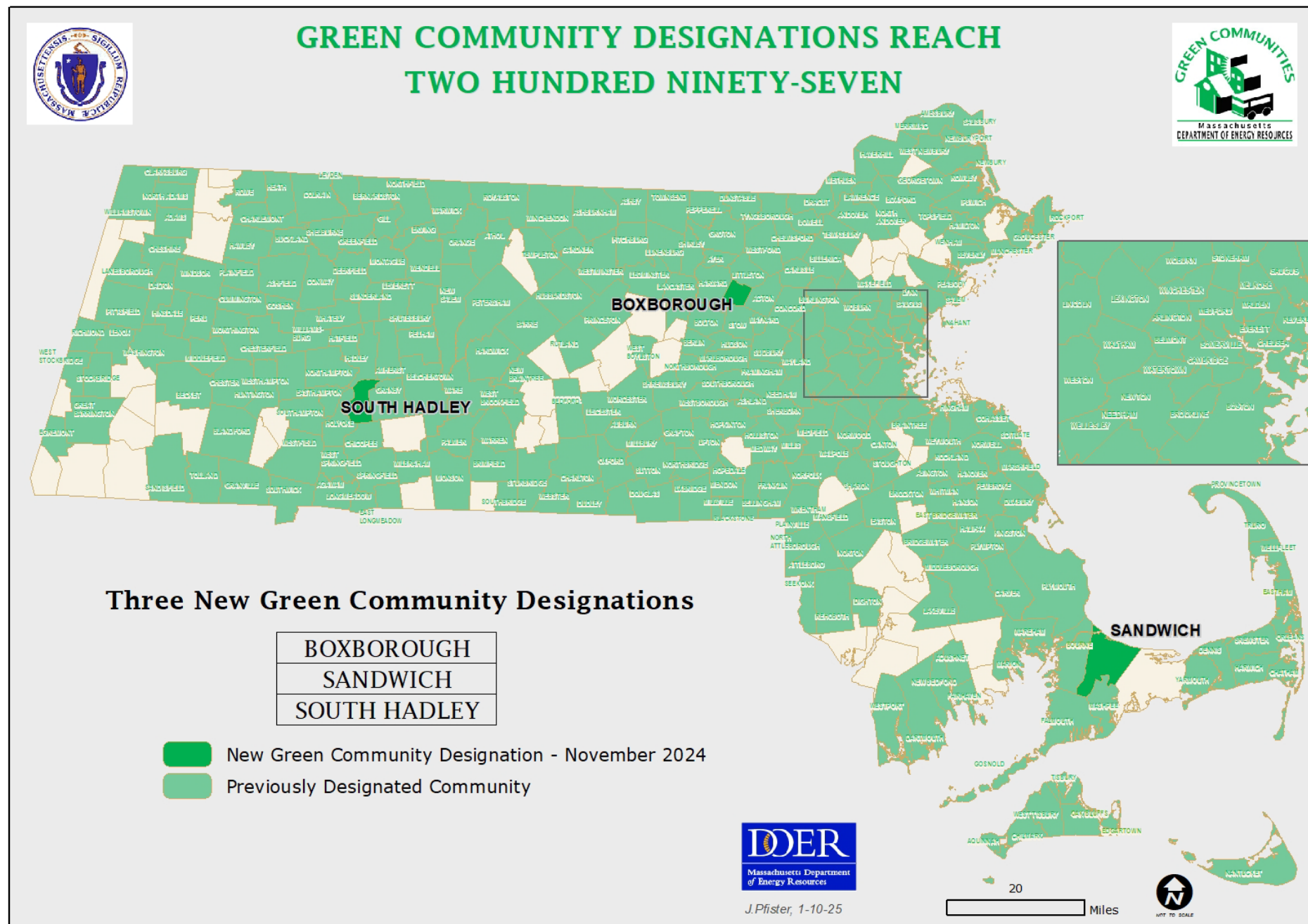
- 1) participate in the Green Communities Designation and Grant Program; and
- 2) advance clean energy projects in under-resourced municipalities

Available to under resourced communities in terms of staff, funding or volunteers. This is third party technical assistance available through your Regional Planning Agency or Cape Light Compact for Cape communities in late spring.

Coming Soon. Contact your Regional Planning Agency or Cape Light Compact!

DOER PON ENE 2023-019 2023 Regional Energy Planning Assistance Grant Program

- **297 of 351** Cities/Towns are Green Communities
- **91%** of the population lives in a Green Community
- **\$192M+** grants awarded since 2010
- **\$44.4M** Leveraged in MassSave Incentives
- **\$29.7M** Annual Energy Cost Savings
- **72K** tons GHG reduced



Green Communities Competitive Grants

Available to Eligible Green Communities

- **Grant Awards** in the \$225,000 range with an adder for Environmental Justice Communities
- **Limits** for communities who have received over 1 million dollars in competitive awards
- **Decarbonization projects** = support for larger, more complicated projects (\$500k max) Community Contribution required
- **Prescriptive projects** = streamlined application requirements and evaluation including EV vehicle bridge funding & level 2 charging stations for example.
- **Traditional Energy Efficiency Projects** = building envelope improvements, controls, retro-commissioning, Heat Pumps
- DOER **no longer supports** new fossil fuel-fired heating equipment

Application Period is Closed.

[View the Program Opportunity Notice \(PON\) on COMMBUYS - DOER PON-ENE-2024-021 2024 Green Communities Competitive Grant Program](#)

Competitive Grant Tips

- **Read the Program Opportunity Notice (PON)!**
- **Work with your vendor early to scope projects**
- **HVAC projects must include weatherization or information that envelope is tight**
- **Work with your vendor to confirm available utility incentives**
- **Regional Coordinators are available to hold pre-application meetings**



Climate Leader Communities–Green Communities 2.0



Builds on success for Green Communities program



Aligns resources for municipalities with EEA energy and climate goals



Enhances engagement and forward progress with municipalities



Encourages adoption of climate/clean energy policies and programs



Expands opportunities for community engagement

Municipal Decarbonization Roadmap Assistance

For Municipalities Seeking Climate Leader Communities Designation

- DOER is offering third party technical assistance to assist communities in the preparation of a municipal decarbonization roadmap of their municipal operations
- Applications will be reviewed three times a year, following the last Fridays of March, July, and November
- Awards will be prioritized to municipalities that have met other Climate Leader Communities certification requirements

Additional Resources

[Climate Leader Municipal Decarbonization Roadmap Guidance](#)

[Municipal Decarbonization Trigger Event Worksheet](#)

[Decarbonization Roadmap Planning Assistance](#)

Decarbonization Technical Support Grant

Available to Certified Climate Leader Communities

One of two grants available to eligible applicants:

This grant provides eligible communities up to \$150,000 to hire vendors to produce recommendations and engineering design documents for one or more clean energy projects at municipal facilities.

Climate Leaders Accelerator Grants Up To \$1 Million

Available to Certified Climate Leader Communities



Municipal building
electrification/decarbonization



Support for on-site solar PV + storage



Support for geothermal for existing
buildings and new construction

Pre-construction

- Feasibility studies
- Pre-electrification work
- Test wells
- Procurement documents

Equipment and installation

- Buy down the cost of direct ownership or PPA

Quick Win

- Solar on newly constructed all-electric schools

Regional School District Grant

Coming
soon!

Open to all Regional School Districts, *but prioritizing...*

- Environmental Justice communities
- Districts not participating in Green Communities (including voc-tech)
- District in MLP territories with no access to MassSave

Eligible projects:

- Space heating and cooling
- Service water heating
- Commercial kitchen equipment
- Battery-powered landscaping equipment
- Max grant per district = \$250K

2025 Grant Calendar *(subject to change)*

Opportunity	Block 1	Block 2
Municipal Energy Technical Assistance	March 7	N/A
Regional School District Decarbonization Grant	N/A	Sept. 5
Municipal Decarbonization Roadmap Assistance	March 28	July 25 Nov. 28
Green Communities Competitive Grant	April 4	Fall - TBD
Regional Energy Planning Assistance	May 20	N/A
Climate Leader Communities Technical Support	May 30	Nov. 28
Designation Deadlines (Green Communities & Climate Leader Communities)	June 30	Dec. 31
Climate Leader Communities Decarbonization Accelerator	Aug.1	N/A

Green Communities Contacts

Regional Coordinators act as direct liaisons with cities and towns on energy activities

Northeastern MA:

Dillan Patel

Dillan.Patel@mass.gov

857-283-1264 - cell



Central MA:

Kelly Brown

Kelly.Brown@mass.gov

617-780-8144 - cell



Western MA:

Chris Mason

Christopher.Mason2@mass.gov

857-753-2159 - cell

Southeastern MA:

Lisa Sullivan

Lisa.M.Sullivan@mass.gov

617-312-4018 - cell



Joanne Bissetta, Director - Joanne.Bissetta@mass.gov

Mark Rabinsky, Deputy Director - Mark.Rabinsky@mass.gov



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Thank You!

Massachusetts Electric Vehicle Incentive Program (MassEVIP) and Diesel Emissions Reduction Act (DERA) Grant Program

Haidee Janak, Branch Chief, Transportation Programs
haidee.janak@mass.gov

May 1, 2025



MassEVIP Rolling Program Overview

Level 1 and 2 AC Charging Stations and DC up to 36kW

Plug-in vehicles for public fleets, up to 25 vehicles per fleet

Workplace & Fleet Charging (WPF)

- Rolling program, up to \$50,000 per address

Multi-Unit Dwelling & Educational Campus Charging (MUDC)

- Rolling program, up to \$50,000 per address

Public Access Charging (PAC)

- Rolling program, up to \$50,000 per address

Fleets

- Rolling Program, all-electric and plug-in hybrid vehicles up to 10,000 lbs.
- Government fleets only

MassEVIP Charging Programs

WPF

- Up to 60% of eligible costs
- Workplaces with 15+ employees on-site
- Practically accessible to all employees
- Electric fleet vehicles must be garaged in MA
- Non-residential location

MUDC

- Up to 60% of eligible costs
- Multi-unit dwellings with 5+ units
- Campuses with 15+ students on-site
- Practically accessible to all students/staff/residents

PAC

- Up to 100% of eligible costs on government property, 80% for non-government property
- Practically accessible to the public, min. 12 hrs/day, 7 days/week
- Non-residential location



EVSE Eligible & Ineligible Costs:

Hardware

- A console wired into the electrical supply
- A cable and connector to plug into the EV
- Cable management strategy (e.g., coil, retractable, etc.)
- Mounting hardware, either pedestal or wall.
 - Pedestal: hard wired to a permanent pole or box
 - Wall: hard-wired to a wall and typically includes a mounting plate
- Separate payment module
- Shipping/Freight for "Costs Covered"

Installation

- Upgrading the electric supply
- Construction costs related to installation (including ADA EV Parking space)
- Signage and pavement painting

Ineligible

- Land/parking space purchase or lease
- Software subscription
- Warranty
- Taxes
- Internet connection or cell signal
- Planning or permitting for the project
- Shipping/Freight for "Costs not Covered"
- Bollards, curbs, wheel stops, setbacks, bumper guards
- Electricity consumption and demand charges
- Preventative and corrective maintenance on EV charging station
- Others as determined by MassDEP

A photograph of two white electric cars parked in designated green-painted EV charging spaces on a city street. In the background, there are multi-story buildings, an American flag on a tall pole, and a blue sky with scattered white clouds.

MassEVIP Fleets Program

- ▶ Open to public entities only
- ▶ Funding to purchase or lease electric vehicles
 - ▶ Up to \$7,500 for Battery Electric Vehicles (BEVs)
 - ▶ Up to \$5,000 for Plug-in Hybrid Electric Vehicles (PHEVs)
 - ▶ \$750 for Zero emission Electric Motorcycles (ZEMs)
- ▶ Maximum 25 EVs per entity
- ▶ EV base price can be no more than \$60,000.00
- ▶ Vehicle weight up to 10,000 lbs.
- ▶ Charging station funding available under the Workplace and Fleet Charging program

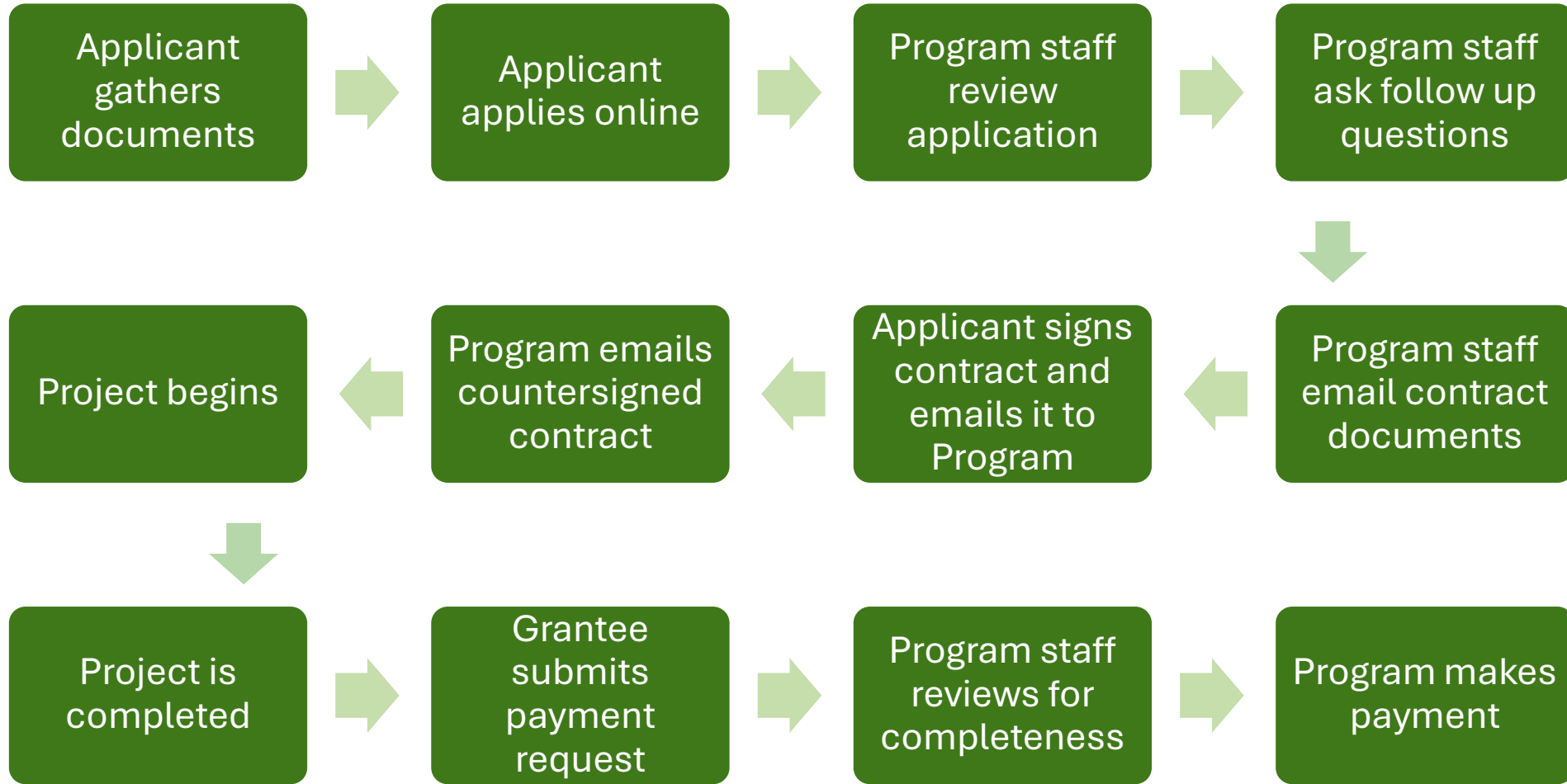
MassEVIP Requirements

- ▶ EVSE not delivered and no work done (if applying for installation funding) until grantee has a MassDEP counter-signed contract
- ▶ Charging station can support vehicles from multiple manufacturers
- ▶ Charging station is new
- ▶ Level 1 or 2 AC charging station is Energy Star certified and listed in [State Appliance Standards Database \(SASD\)](#)
- ▶ Charging station is certified to Underwriters Laboratories (UL) standards by a Nationally Recognized Testing Laboratory (NRTL)
- ▶ 1 designated parking space for each port, reserved for EV parking only
- ▶ 5% of charging stations built to be accessible to persons with disabilities
- ▶ Grantee shall operate and maintain charging station for 3 years
- ▶ ...and others

DERA Grant Program

- ▶ Annual grant opportunity funded by federal Environmental Protection Agency (EPA)
- ▶ Most recent offering closed on 4/7/25
- ▶ Next offering not expected before the end of the year
- ▶ Open solicitation for:
 - ▶ Vehicle and engine replacements
 - ▶ Stationary equipment replacement, such as transportation refrigeration units
 - ▶ Idle reduction technologies like electrified parking spaces and marine shorepower systems
- ▶ All vehicles and equipment must be electric
- ▶ All vehicles and equipment must be scrapped, i.e. rendered unusable to ensure they can't be put back in service

Project Steps



Resources

- ▶ MassDEP Air & Climate Grants & Assistance – Launching page for all our grants: <https://www.mass.gov/lists/massdep-air-climate-grants-assistance>
- ▶ MassEVIP FAQ: <https://www.mass.gov/doc/massevip-frequently-asked-questions/download>
- ▶ Email us at massevip.massdep@mass.gov or vw.settlement@mass.gov
- ▶ I'm at haidee.janak@mass.gov

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Q & A

THANK YOU!