



Advancing renewable energy & energy efficiency in the Commonwealth

CLEANENERGYRESULTS

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Wastewater Energy Recovery Pilot Grant 2026-2027 OPPORTUNITY Bidder's Informational Conference

May 11, 2026

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- Include your affiliation/organization next to your name
- Use the chat feature to ask questions or submit to CERP@mass.gov
- This webinar will be recorded

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Type in the display name you'd like to appear in the meeting and click on "OK".

1



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Wastewater Energy Recovery Pilot Grant 2026-2027 OPPORTUNITY Bidder's Informational Conference

May 11, 2026

Presented By:

Danah Tench, Ann Lowery, Sharon Lee - MassDEP

An Innovative Partnership:

The Massachusetts Department of Environmental Protection

The Massachusetts Department of Energy Resources

The Massachusetts Clean Energy Center



Agenda

- Clean Energy Results Program
- Background and Goals
- WWER Energy Pilot Grant
 - Eligible Projects
 - Eligible Entities
 - Facility Ownership & Authorization
 - Funding Offered
 - Application Information Required
 - On-Line Application Process
 - Scoring Criteria
 - Key Dates
- Questions

Clean Energy Results Program

Who we are, What we do

- Created in 2011 to strengthen the environment-energy connection and to reduce the regulatory or other barriers to clean and energy efficient project development across the state;
- Assist DOER in implementing energy efficiency and renewable energy projects at wastewater and drinking water facilities;
- Promote renewable energy installations at landfills and brownfields.
- Signature project – Administer the Gap Energy Grant

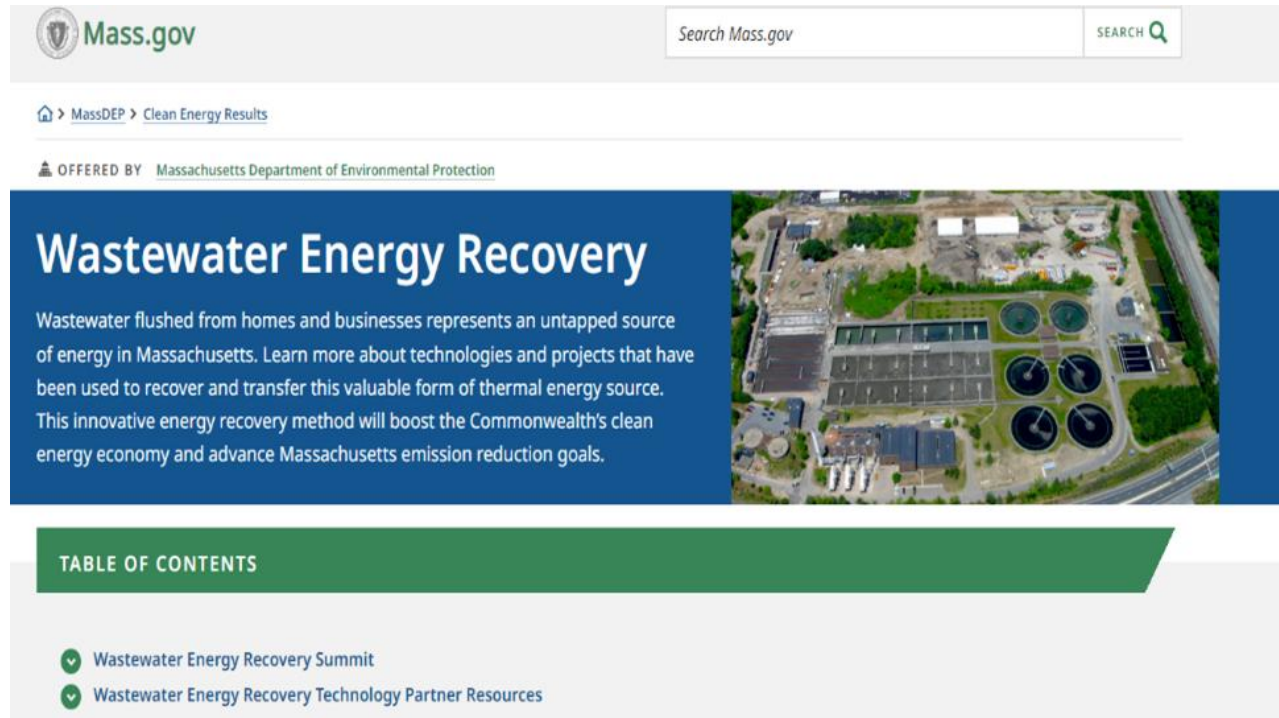
Wastewater Energy Recovery Pilot Grant

What is wastewater energy recovery?

- **Wastewater Energy Recovery**- is a sustainable energy practice that involves capturing and reusing heat from wastewater. This wastewater can come from a variety of sources, including residential, commercial, and industrial processes. Typically, the water used in these settings is warm—carrying heat from a variety of activities—and instead of simply being treated and discharged into the environment, the thermal energy it contains can be reclaimed and repurposed. Also known as **Sewer Heat Recovery**, it is a stable, efficient, renewable and scalable thermal resource. *Source: [Sewer Thermal Energy Network](#)*

Wastewater Energy Pilot Grant Program

Tapping into an existing source for thermal energy



Mass.gov

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SEARCH

Home > MassDEP > Clean Energy Results

OFFERED BY Massachusetts Department of Environmental Protection

Wastewater Energy Recovery

Wastewater flushed from homes and businesses represents an untapped source of energy in Massachusetts. Learn more about technologies and projects that have been used to recover and transfer this valuable form of thermal energy source. This innovative energy recovery method will boost the Commonwealth's clean energy economy and advance Massachusetts emission reduction goals.




TABLE OF CONTENTS

- ✓ Wastewater Energy Recovery Summit
- ✓ Wastewater Energy Recovery Technology Partner Resources



Wastewater Energy Recovery Summit

December 8, 2023

Presentations

Morning Session: Technology Presentations

- [HUBER Technology - Ed Rubinstein, Vice President at Noventa Energy \(PDF\)](#)
- [SHARC Energy - Aaron Miller, Eastern Regional Manager \(PDF\)](#)
- [UHRIG Group - Frank Urro, Head of North American Business Unit \(PDF\)](#)
- [MassSave/National Grid - Owen Brady-Traczyk, Director of the Future of Heat Solutions \(PDF\)](#)
- [MassSave/Eversource - Jennifer Amatore, Energy Efficiency Consultant \(PDF\)](#)

Afternoon Presentations: Tapping into Energy from Wastewater




- [DC Water - Saul Kinter, Program Manager for Business Development and Energy Initiatives \(PDF\)](#)
- [Boston Planning & Development Agency - Travis Anderson, Senior Infrastructure & Energy Planner \(PDF\)](#)
- [King County Sewer Authority - Drew Thompson, Resource Recovery Project Manager \(PDF\)](#)
- [Metro Vancouver, BC - Winson Cheng, Senior Project Engineer at Metro Vancouver & Colin Jeffery, Project Engineer at Kerr Wood Leidal \(PDF\)](#)

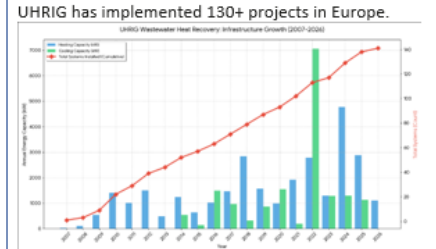
Summit Resources

- [Wastewater Energy Recovery Summit Agenda \(PDF\)](#)
- [Wastewater Energy Recovery Summit Speaker Bios \(PDF\)](#)
- [Wastewater Energy Recovery Technology Comparison Matrix \(PDF\)](#)
- [Wastewater Energy Recovery Summit recordings \(YouTube\)](#)
- [Wastewater Energy Recovery Attendance List \(PDF\)](#)

Wastewater Energy Recovery Technology Partner Resources

- [CleanTech Alliance: Municipal Wastewater Energy Transfer Playbook](#)
- [Metro Vancouver Sewage Waste Heat Recovery Policy](#)

	HUBER Technology	SHARC Energy	UHRIG Group
Website	HUBER Technology: www.huber-technology.com 	SHARC Energy: https://www.sharcenergy.com/ 	UHRIG Group: https://www.uhrig-bau.eu/en/company/ 
Company Location	Headquartered and manufactured in Denver, NC, USA	Headquartered in Port Coquitlam, BC, Canada – Offices in NY	Headquartered in Geisingen, Germany – offices in NY
Company Contacts	Henk-Jan van Ettehoven, President Nate Madding, Director of New Energy Solutions: nate.madding@hhusa.net c 980-280-7779	Aaron Miller, Eastern Regional Manager: aaron.miller@sharcenergy.com c 646-303-1204 Brock Trimble, Director, Technical Sales: Brock.trimble@sharcenergy.com c 604-862-0872	Frank Urro, Renewable Energy Strategist, Head of North America Business Unit: urro@uhrig-bau.com c 978-528-4478 Stephan von Bothmer, Head of Global Business Unit Energy from Wastewater: bothmer@uhrig-bau.com c +49 171 8432 856
Summary	HUBER's ThermWin® platform combines proven screening and Rowin® heat exchanger technology to deliver reliable, continuous operation under real sewer conditions—including high solids and variable flows. ThermWin® is a direct wastewater energy recovery systems that extracts thermal energy from wastewater for space heating, cooling, and domestic hot water production. From in-building ThermWin Core® systems to large-scale sewer-connected installations, HUBER solutions are modular and scalable across a wide range of load profiles—from single buildings to multi-megawatt district energy systems. Systems integrate seamlessly with heat pumps and can serve as the primary thermal source for building and campus energy networks. ThermWin® transforms both building sanitary lines, municipal sewers and combined sewers into high-	Completely sealed, odor-free systems that use wastewater for space heating and cooling and/or the production of domestic hot water. The PIRANHA™ and SHARC™ systems are scalable to meet a wide range of load profiles. They provide energy savings, drastically reduce carbon emissions, pair beautifully with geothermal loops and can serve as the primary energy source for a Thermal Energy Network (TEN) or district heating and cooling. PIRANHA and SHARC turn the sanitary line into Urban Geo.	The Therm-Liner system is a modular sewer heat exchanger system that can be installed in new sewers and existing sewers to provide energy savings and reduce carbon emissions from individual buildings, entire neighborhoods or district heating and cooling networks. UHRIG has implemented 130+ projects in Europe.

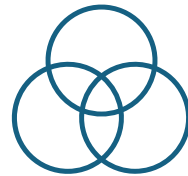


Pilot Project Goals

The WWER pilot program has three main goals:



Support construction and activation of pilot projects using WWER technologies. Encourage project locations across regions, of varying size and scale



Evaluate the cost, energy, and environmental effectiveness of the completed pilot installations.



Develop a replicable WWER partnership model for cost-effective and scaled project development in Massachusetts and elsewhere, through data collection and assessment, development of guidance, and integration into existing design standards for wastewater treatment facilities.

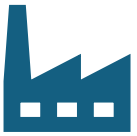
What Is An Eligible Project?

- Closed loop piping system (that includes supply and return lines)
- Heat exchanger/ thermal liners
- Wet Wells
- Wastewater holding tanks
- Solids handling equipment (screening, pumps, etc.)
- Water source heat pump

What Is An Eligible Project?

- Water chilled beam HVAC units
- Water to air HVAC units
- Ground source heat pumps
- Building management / mechanical room controls
- Monitoring system

Eligible Entities



Publicly-owned & privately-owned wastewater facilities

Collection System,
pumping stations,
treatment plants



Municipal & state-owned buildings



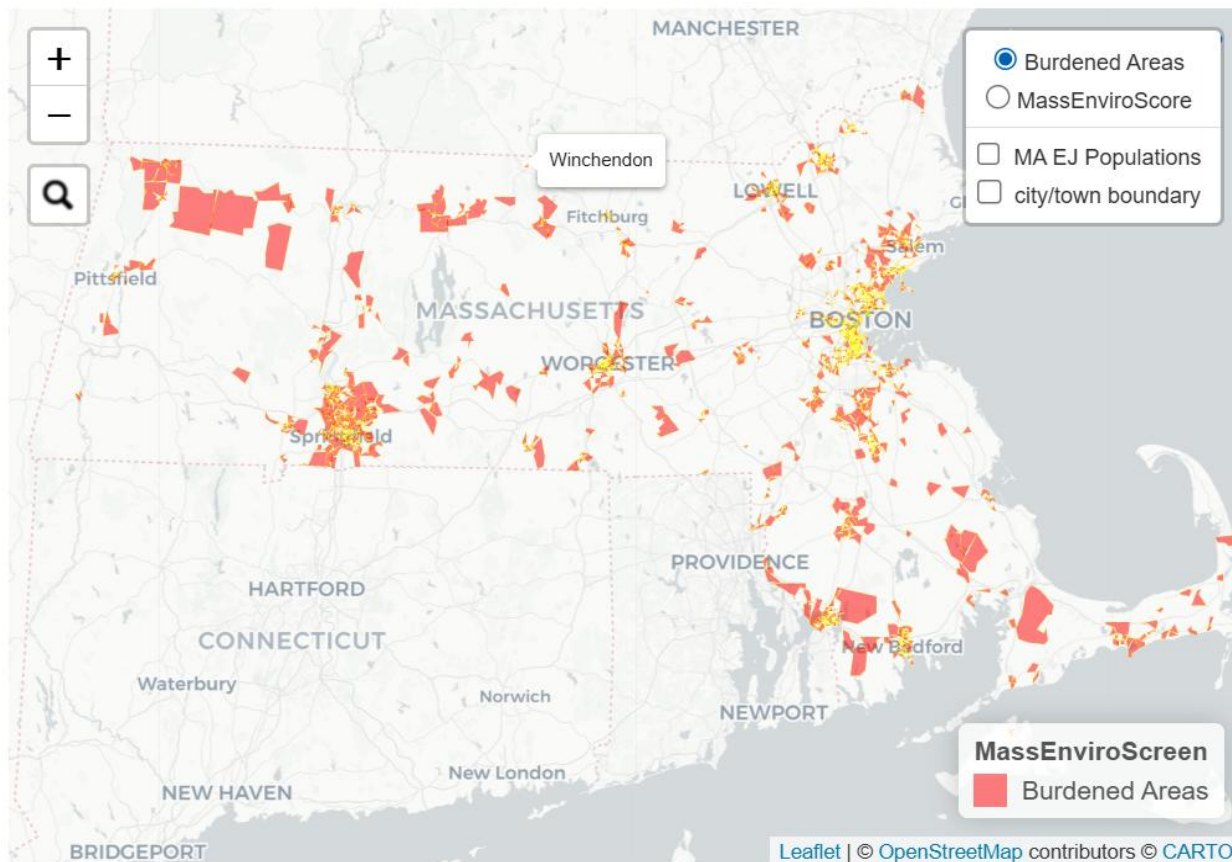
Public & private K-12 schools, colleges and universities



Nonprofit and privately-owned organizations

What are the Requirements ?

- **Burdened Areas** – MassDEP grants prioritize funding to certain areas to address inequitable environmental burdens or related health consequences.



- **Location of Project** – Project narrative should include a description of project’s burdens or benefits to communities within the Burdened Area(s)
- **Mass EnviroScreen** – Is an EEA data-driven mapping tool used to help identify Burdened Areas in Massachusetts based on a cumulative burden score that incorporates exposure to pollution and climate risks and the presence of sensitive or vulnerable populations, as well as whether the community meets a criterion related to lower household income.

What are the Requirements ?

Facility Ownership and Authorization to install Energy/Sewer Heat Recovery Technology

To qualify for grant funding, an Eligible Applicant must own the Facility at which the project will be completed.



Application Deadlines and Funding Availability

- ❑ Online applications open on **May 26, 2026** through **May 31, 2028** on the EEA Grants Management System (GMS) for each phase of the pilot process. Grants will be distributed on a first-come basis until funds are fully expended for that phase.
- ❑ Total Funding is **\$5 million**
- ❑ Applicant Cost Share – Not required but encouraged to fill potential funding gap
- ❑ Funding is allocated in three phases: Assessment, Design, and Construction

Wastewater Energy Recovery Pilot Grant

2026 Funding Opportunity: What are the funding levels?



Conduct a focused Technical Assistance Study performed (by an energy utility, consultant, a wastewater energy recovery technology provider, or applicant's engineering team) that provides building owners with a draft plan for wastewater energy recovery, including initial project costs, estimates for energy-savings, greenhouse gas emission (GHG) reductions, and a basic site diagram showing how wastewater energy sources will be assessed for space heating, cooling, hot water etc. in the building or buildings.

Develop a final design and signed schematic drawings for technically and economically viable WWER projects. The design grant will fund: (1) the production of a 100% design and bid ready drawings of the proposed project that consist of fully developed

Develop an integrated capital funding plan that leverages state, federal, energy utility and technology provider funding options and incentives to construct technically and economically viable wastewater energy recovery projects.

Funding Sources and More

Possible Funding Sources

1. MassSave Incentives (Not available for Design Phase)
2. Municipal Light Plant Funding Assistance
3. Tech Provider In-kind Funding
4. State Revolving Loan Fund (Available only to municipal water facilities)
5. Green Communities Grant Programs
6. Applicant Funds (Municipal Capital funds, etc.)



Wastewater Energy Recovery Pilot Grant Green Communities Grant Options

Municipal Energy Technical Assistance (META)

Deadline: June 5, 2026

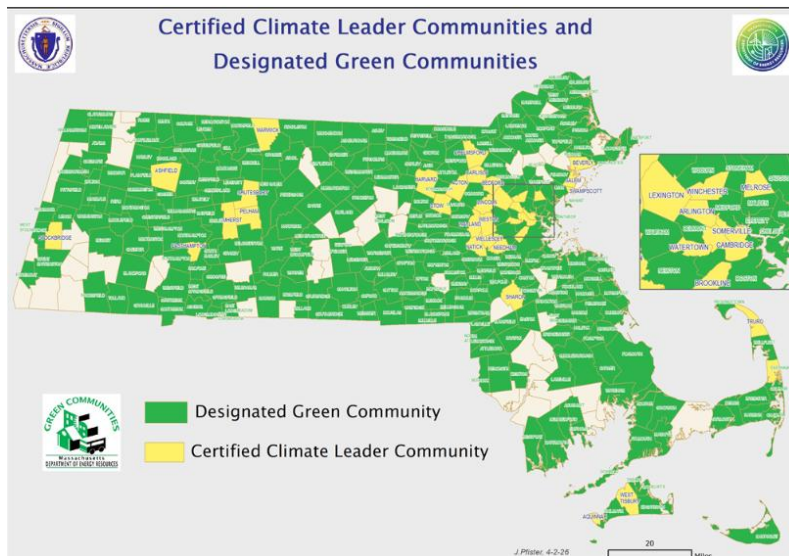
Funding for **municipalities, regional school districts, and water/wastewater districts** to hire independent experts to study, negotiate, or manage clean energy projects. Annual grant round; funding varies. Supports communities participating in state clean energy programs.

Regional School District Decarbonization

Deadline: September 4, 2026

Supports regional **school districts** replacing fossil-fuel systems with efficient electric alternatives. Funds renewable thermal, electric water heating, battery-powered maintenance equipment, and electric kitchen equipment. Notice of Intent required 30 days before applying.

For Green and Climate Leader Communities



Climate Leaders Technical Support

Deadline: May 29, 2026

Certified Climate Leader Communities may receive up to \$150,000 to hire vendors for clean energy project assessments and engineering design. Applications reviewed on a rolling basis; awards issued twice yearly.

Climate Leaders Accelerator

Deadlines: First Fridays in February and August

Climate Leader Communities may receive up to \$1M for projects that cut municipal emissions, aligned with their Decarbonization Roadmap. Funds renewable energy, heat pumps, storage, and other fossil-fuel-reducing upgrades. Applications reviewed on a rolling basis; awards issued twice yearly. Notice of Intent strongly encouraged before applying.

Online Application Components

REQUIRED APPLICATION MATERIALS TO BE SUBMITTED ONLINE

- Project Narrative
- Appendix A: Applicant Information and Funding Overview
- Appendix B: Signed Certification of Application and Ownership Certification, and Tax Certification (Non-Public Entities Only)
- Appendix C: Guidance on Design and Standards and Schematic Drawing
- Appendix E: Online Application Questions



Wastewater Energy Recovery Pilot Program - opening May
26th

Online Application Components

	Phase 1	Phase 2	Phase 3
APP A: PROJECT NARRATIVE and BUDGET	Must be submitted	Submission includes Phase 1 findings	Submission includes Phase 1 and 2 findings
APP B: AUTHORIZATION and OWNERSHIP FORMS	Required	Required	Required
APP C: DESIGN STANDARDS AND SCHEMATIC DRAWINGS	Not required	Not required for submission, use as reference	Submission must be consistent with guidance specifications
APP E: ONLINE QUESTIONS	Required	Required	Required

Online Application Components



Project Narrative: A summary describing the project, work completed to date, overview of project budget, organizations engaged, etc. (max 2 pages)

Online Application Components



APPENDIX A: Project Narrative and Funding Overview

Wastewater Energy Recovery Pilot Grant

2026 Funding Opportunity: Online Application Components

APPENDIX A: PROJECT NARRATIVE and FUNDING OVERVIEW

PROJECT NARRATIVE

- **Project Summary:** description of the project, work completed to date, overview of project budget, organizations engaged, etc. (max 2 pages)
- **Organization chart:** including confirmed team members and any subcontractors (Includes identifying the specific leads and supporting personnel for each task in Attachment 1, and why these leads/supporting personnel are qualified for the task)
- **Communication plan:** describe plan between the project team and MassDEP (e.g. frequency of updates to MassDEP – bi-monthly, monthly, quarterly, etc.) (max 2 pages)
- **Population Impact Proposal:** describe plan for incorporating environmental justice and equity within the project (max 2 pages)
- **Stakeholder engagement plan:** describe frequency of outreach, outreach medium (virtual/in-person meeting, website, social media post, etc.), and audience (e.g. municipal boards, neighborhood associations, etc.) (max 3 pages)

FUNDING OVERVIEW

Total Project Cost	Total Other Funding Sources (Mass Save [®] , MLP, MassCEC, DOER, Other Grants etc.) ¹				Total Funding From Applicant (including financing)	WWER Funding Requested
	\$	\$	\$	\$		
Funding Source						
Percentage (%)	%	%	%	%	%	%

Example:

- Project Total for Assessment: \$25,000
- Incentive from National Grid, Eversource, or a Municipal Light Plant: \$5,000
- Incentive(s) from other source(s): \$5,000
- Grant request = \$15,000*
- Applicant financing: *If needed*

* Up to \$15,000 for Phase 1, up to \$100,000 for Phase 2, up to \$750,000 for Phase 3

Online Application Components



Appendix B: Signed Certification of Application and Financing Certification

Online Application Components

APPENDIX B1: APPLICATION AUTHORIZATION and OWNERSHIP CERTIFICATION

BOTH FORMS MUST BE PROVIDED WITH SCANNED SIGNATURES (pdf)

APPLICATION AUTHORIZATION

I hereby confirm that I am duly authorized to submit this application on behalf of [Insert name of entity] _____ and that all information contained in this application to the WWER Pilot Grant Project at the relevant facilities or buildings is true and accurate.

Name _____ Date _____

Title _____

OWNERSHIP CERTIFICATION

I hereby confirm that I am duly authorized to implement these energy efficiency and/or clean energy upgrades to this building on behalf of [Insert name of entity] _____ as it is the legal owner of this Facility as represented in the attached Deed, or based on the attached Letter of Authorization and Support signed by the Facility owner [insert legal owner entity's name] and that all information contained in this application to the WWER Pilot Grant Projects at the relevant facilities is true and accurate.

Name _____ Date _____

Title _____

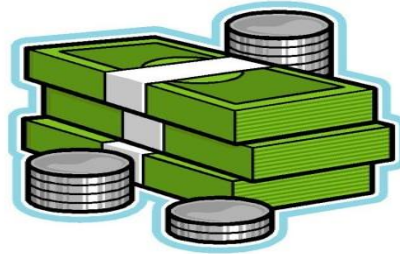
APPENDIX B2: TAX CERTIFICATION (For Non-Public Entities Only)

The Applicant certifies under the pains and penalties of perjury: (1) tax compliance with federal tax laws; (2) tax compliance with state tax laws including, but not limited to, M.G.L. c. 62C, § 49A, reporting of employees and contractors, withholding and remitting of tax withholdings and child support; and (3) Applicant is in good standing with respect to all state taxes and returns due, reporting of employees and contractors under M.G.L. c. 62E, withholding and remitting child support including M.G.L. c. 119A, § 12, TIR 05-11, New Independent Contractor Provisions and applicable TIRs.

Name _____ Date _____

Title _____

Online Application Components



Supporting documentation from other grants or incentives

- For example, incentive support from Mass Save[®]
- Funding from MLP, MA CEC, DOER Other funding sources

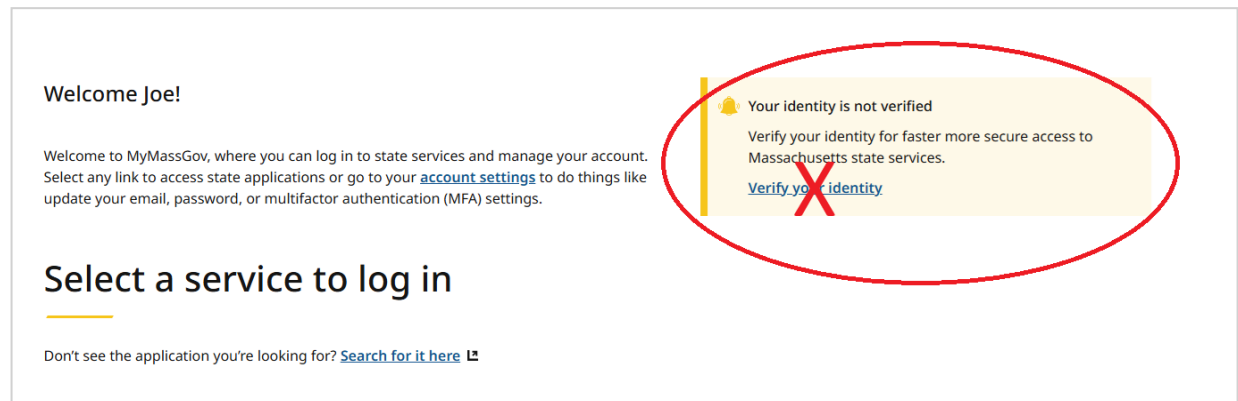
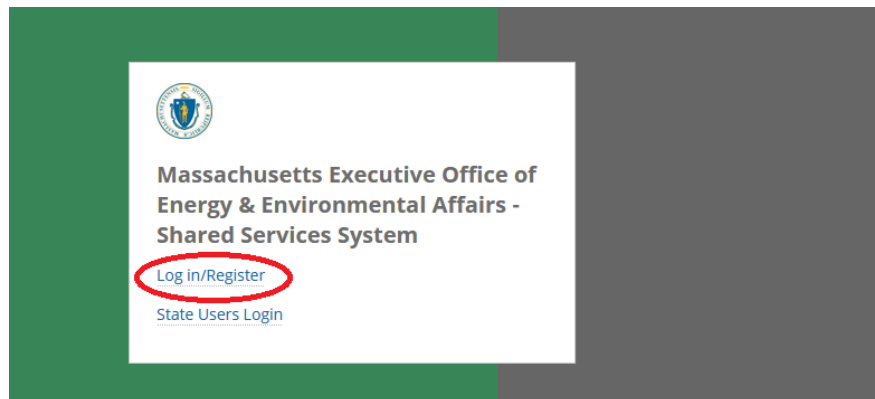
Evaluation Criteria

1. Proposed Completeness and Clarity (**up to 35 points**) a feasible and organized work plan and schedule that meets the project timeline and communication plan.
2. Impact of Wastewater Energy Recovery System (**up to 30 points**) size and scope of energy recovery system, estimated lifecycle energy and cost savings and greenhouse gas emission reductions; displacement of fossil fuels.
3. Cost Effectiveness (**up to 15 points**) amount of leveraged funding; applicant cost share contribution (including in kind), public return on investment.
4. Location: (**up to 20 points**) regional distribution across the state; location within or serving a Burdened Area; and proposal for incorporating benefits for these populations. A “Burdened Area” is a census block group that is subject to an existing unfair or inequitable environmental burden or related health consequence as identified through [MassEnviroScreen](#).

Online Application and Submission

All applications must be submitted via the Energy and Environmental Affairs Grant Management System

- Sign up with [MyMassGov](#)
- **Create a “Business Account” NOT a personal account**



Online Application and Submission

GMS Resources

- GMS signup: Visit [Grants Management System \(GMS\) | Mass.gov](#) for instructions
- Instructional playlist on YouTube: https://youtube.com/playlist?list=PLzQVK6KiTOqyPW5PUOcFE42iRJgdm8LA_&si=Wm2l78OgFDZ-1nA_
- User guide at the GMS Portal: [Help - Executive Office of Energy & Environmental Affairs Grants Management System](#)
- Grant specific guidance, tips and tricks: Appendix D of RFR

The screenshot shows the 'Grantee Grants Management Portal' interface. The header includes the state logo and the text 'An official website of the Commonwealth of Massachusetts | Here's how you know'. Below the header, the page title is 'Grantee Grants Management Portal' with a 'Welcome, Gavin' message. The main content area is titled 'Browse Programs' and features a 'Filter and Sort Programs' section. This section includes a search bar with 'Waste' entered, a dropdown menu for 'Program Name' showing 'Wastewater Energy Recovery Pilot Grant Program', and a 'Sort Order' dropdown set to 'Ascending'. To the right, there are fields for 'Program Abbreviation', 'Agency', 'COMMBUYS Identifier', and 'Program Contact Users'. Below the filters, a card for 'Program ID 55' is displayed, titled 'Wastewater Energy Recovery Pilot Grant Program' with a 'WWER Pilot Grant' badge. The card lists the 'Agency' as 'Department of Environmental Protection' and the 'Sub-Agency' as 'Sub-Agency'. A 'Status' field is set to 'Amended'.

The screenshot shows the 'View Grant Records by Phase' page in the 'Grantee Grants Management Portal'. The header is identical to the previous screenshot. The main content area is titled 'View Grant Records by Phase' and features a 'Filter Grants' dropdown menu. Below this, a horizontal timeline of phases is shown: 'Apply', 'Evaluation', 'Approval', 'Contracting', 'Active', and 'Closed'. Each phase is represented by a chevron icon and a text label. Under the 'Apply' phase, a card is visible with a 'WWER Pilot Grant' badge and the text '[Title]'. Under the 'Evaluation', 'Approval', 'Contracting', 'Active', and 'Closed' phases, the text 'No Grant Records To Display' is shown.

Online Application and Submission

- Application Information Questions - *Required for all applicants as part of registration*
- Program-specific questions are required – Refer to *Appendix E* to review these questions prior to applying
- **Remember to hit the save button before exiting the application!**
- Review and Submit/upload files

Application Information

SAVE DRAFT

Grant Application Title * [Title]

Municipality * ABINGTON

County Barnstable

Grant Start Date * 08/01/2025

Grant End Date * 02/01/2026

Total Amount Requested * \$25,000.00

Grant Primary Contact * Gavin Porter (gavin.porter@mass.gov)

Summary of Proposed Work * [Summary] 9/1000

Primary Contact Info

Name

Email

Phone Number -

Address -

CANCEL BACK NEXT

Start A Grant Application

Complete the form below to create a new application in the system.

Program Name: Wastewater Energy Recovery Pilot Grant Program Application Open Date: 7/18/2025 Application Close Date: 6/30/2028 Agency: Department of Environmental Protection

Upload Documents

SAVE DRAFT

Required Documentation

Form Name	File Upload	Download Form	Form Instructions	Preview
WWR Pilot Project: Appendix A - Project Narrative and Funding Overview	UPLOAD Drop file here		Save the file using the following convention: File Name - EntityName_AppA.pdf	
WWR Pilot Project: Appendix B1 - Application Authorization and Ownership Certification	UPLOAD Drop file here		Save the file using the following convention: File Name - EntityName_AppB1.pdf	
WWR Pilot Project: Appendix B2 - Tax Certification	UPLOAD Drop file here		To be completed by Non-Public Entities Only Save the file using the following convention: File Name - EntityName_AppB2.pdf	
WWR Pilot Project: Appendix C - Guidance on Design Standards and Schematic Drawing	UPLOAD Drop file here		Save the file using the following convention: File Name - EntityName_AppC.pdf	
WWR Pilot Project: Attachment A - Proposed Scope of Work Template	UPLOAD Drop file here		Please use the following naming convention to save the file: File Name - EntityName_AtA.pdf	
WWR Pilot Project: Attachment B - Project Budget Template	UPLOAD Drop file here		Please use the following naming convention to save the file: File Name - EntityName_AtB.pdf	

Additional Documentation

Form Name File Upload Preview

Key Dates

May 8, 2026 – Notice of Grant Opportunity published on [COMMBUYS](#) and [MassDEP website](#)

May 11, 2026 at 1:00PM to 2:30PM EST – Bidders’ Informational Conference (via Zoom)

Early October 2026 TBD– Bidders’ Informational Conference (via Zoom)

To obtain dial-in information or the Zoom link for either session, [please register](#). Interested applicants may attend either session, both informational sessions will be recorded.

Deadline to submit written question:

- prior to **May 13, 2026** at 5:00 PM EST – following the first Bidders’ Information Conference
- **TBD October, 2026** at 5:00 PM EST – following the second Bidders’ Information Conference

Official Answers for Q&A/Amendments published on MassDEP website:

- **May 22, 2026** – Answers to the first Bidders’ Information Conference
- **TBD October 2026** – Answers to the second Bidders’ Information Conference

May 31, 2028 – ***Rolling Grant Application or when funding has been spent for each phase*** –

Wastewater Energy Recovery Pilot Grant

2026 Funding Opportunity



Questions?

Submit additional questions to
CERP@mass.gov

Clean Energy Results Program Team

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Programs

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Climate Analyst/ CERP/WURP

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Program Coordinator/Fiscal Asst.

Ann Lowery,
Asst. Commissioner BPE

Wastewater Energy Recovery Pilot Grant Program

<https://www.mass.gov/info-details/wastewater-energy-recovery>

Massachusetts' Gap Energy Grant Program:

<https://www.mass.gov/info-details/massachusetts-gap-energy-grant-program>



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