The Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs

Massachusetts Department of Environmental Protection

ONE WINTER STREET
BOSTON, MASSACHUSETTS 02108

REQUEST FOR RESPONSES

AMENDED

GAP III ENERGY GRANT 2022-2023 OPPORTUNITY

CLEAN ENERGY RESULTS PROGRAM (CERP GAP III GRANT)

NOTE: THIS AMENDED CERP GAP III GRANT SUPERSEDES THE ORIGINAL MAY 26, 2022 POSTING SOLELY TO AMEND THE DATES IN SECTION 3: ESTIMATED PROCUREMENT CALENDAR. ALL OTHER TERMS, CONDITIONS AND REQUIREMENTS OF THE CERP GAP III GRANT REMAIN IN FULL FORCE AND EFFECT.

Agency Document Numbers:
COMMBUYS Bid #:
DEP-CERP-FY2022-XX
Amended Date: September 22, 2022

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Amended Gap III Energy Grant
2022-2023 Funding Opportunity

for Implementing Energy Efficiency and Clean Energy Generation Projects in Massachusetts at:

- **Municipal Drinking Water and Wastewater Treatment Facilities,**
- **Nonprofit Multifamily Affordable Housing,**
- **Nonprofit Agricultural / Food Producing Organizations, and**
- **Small Businesses Engaged in Food Distribution and Processing.**

GRANT OPPORTUNITY SUMMARY:

A. Proposals Sought: The Massachusetts Department of Environmental Protection (MassDEP or the Department) seeks proposals from drinking water and wastewater facilities, nonprofit multifamily affordable housing, agricultural and food producing organizations, and small businesses in food distribution and processing. Through this Grant Opportunity, the MassDEP Gap III Grant Program (Gap Program) seeks to build on its prior success in providing grants to the water utility sector and encourages the engagement of additional facility types by presenting significant opportunities for energy costs savings through energy efficiency upgrades, installation of clean energy, and energy storage systems.

B. Overview and Goals: Under the leadership of MassDEP, the Clean Energy Results Program (CERP) is an integrated energy and environmental partnership with the Massachusetts Department of Energy Resources (DOER) and the Massachusetts Clean Energy Center (MassCEC) that reduces regulatory or other barriers to clean and energy efficient development across the state. A cornerstone of this partnership has been the development of a streamlined "Gap" energy grant funding model that has helped municipal water utilities reduce their energy usage, operating costs, and improve the

environment. This grant program "fills the funding Gap" by leveraging incentives from energy utilities and other funding sources to jump-start energy efficiency and clean energy generation projects.

In 2022, MassDEP is making **seven million five hundred thousand dollars ($7,500,000)** in grant funds available from the agency's Climate Protection and Mitigation Expendable Trust, with up to five million dollars ($5,000,000) in grant funds available for drinking water and wastewater treatment facilities (public municipal, district, or authority), and up to two million five hundred thousand dollars ($2,500,000) in grant funds available to nonprofit multifamily affordable housing, agricultural and food producing organizations, and small businesses engaged in food distribution and processing to reach deeper into communities across Massachusetts.

For additional information on MassDEP's Gap III Energy Grant program, please review our statewide efforts and results at Massachusetts' drinking water and wastewater treatment facilities, including highlights of past Gap grants made to specific communities. The interactive website can be found here: Massachusetts' Gap Energy Grant Program | Mass.gov

C. Environmental Justice: MassDEP is committed to advancing equity, diversity, and environmental justice (EJ)[1] through its public investments. The agency seeks to prioritize the direction of these resources to benefit EJ communities[2] and to address environmental inequities. To that end, MassDEP grant and funding programs include criteria and evaluation parameters that emphasize equity, diversity, and environmental justice, consistent with each program's statutory authority and source of funding.

D. Eligible Projects:

1. Eligible energy efficiency projects include but are not limited to the following examples[3]:
   i. Building envelope treatments
   ii. Air source heat pumps
   iii. Variable speed drives
   iv. Pump and motor replacements
   v. HVAC upgrades
   vi. Limited lighting –eligible up to a maximum of 20% adjusted project cost[4]
   vii. Process improvements (aeration, pumping optimization)

[1] Environmental Justice (EJ) is based on the principle that all people have a right to be protected from environmental pollution and to live in and enjoy a clean and healthful environment. EJ is the equal protection and meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits.

[2] https://mass-eoeea.maps.arcgis.com/apps/webappviewer/index.html?id=1d6f63e7762a48e5930de84ed4849212 //https://www.mass.gov/info-details/environmental-justice-populations-in-massachusetts#interactive-map-

[3] Includes any energy-saving measures that will save kilowatt-hours, therms, or gallons of fuel.

[4] LED lighting, sensor and control upgrades must be implemented with other energy-saving measures and will be eligible up to a maximum of 20% of the adjusted project costs (i.e., total lighting cost - energy utility incentive =adjusted project costs)

viii. Anti-sweat door heater controls on refrigerated doors
ix. Installation of compressor/condenser control schemes

2. Eligible clean energy projects such as renewable energy generation and energy storage projects include but are not limited to the following examples:
   i. Solar photovoltaic (PV) systems
   ii. In-conduit hydropower
   iii. Wind power
   iv. Battery storage systems
   v. Existing combined heat and power (CHP) projects that utilize biogas from anaerobic digestion (AD)
   vi. Solar thermal rooftop collectors for preheating water
   vii. Water source heat pumps and geothermal systems
   viii. Sewer heat recovery

E. Recommended Project Adders: The programs listed below are suggested options that, if selected by applicants and included in their Gap grant applications, offer additional savings and sources of revenue, and will also earn the application additional points in the grant team's evaluation process as discussed further in the Evaluation Criteria section. Please note that additional technologies that are not listed below, but also would contribute to the efficiency and decarbonization goals of this program can be included by the applicant in the grant submission, for MassDEP's review and consideration.

1. **Demand Response Services –provide long-term revenue for facilities through energy management.** By participating in demand response programs, facilities help the electrical grid manage increased demand for power during critical times and, in return, receive financial compensation for participation.

   Demand Response is a temporary reduction or shift in a facility's electricity use by switching to on-site emergency generators, load curtailment (temporarily turning off non-essential equipment) or other means during the hours when the electrical grid experiences peak demand (e.g., hot summer days).

   There are two streamlined pathways (summarized below) for Eligible Entities to consider enrolling in for a Demand Response program.

   The first Demand Response option for applicants to consider is:

   a) **ENE51: Designated Division of Capital Asset Management and Maintenance (DCAMM) Statewide Contract for Demand Response[5] Services** The Massachusetts Operational Service Division (OSD) has developed a statewide and streamlined blanket contract for Eligible Entities (For eligibility,

[5] Small Businesses are not eligible for ENE51 Demand Response Services. Small Businesses and other Eligible Entities can check with their local energy provider (e.g. Mass Save®, Municipal Light Plant, etc.) for specific Demand Response program offerings.

please refer to OSD's Contract User Guide for ENE51Demand Response at: https://www.mass.gov/doc/ene51designateddcamm/download)

This contract enables Eligible Entities to access financial incentives by engaging an ENE51 approved contractor who will provide the following Demand Response Services. **Please note**: **Private entities are not eligible to use this pathway.**

i. Enroll and manage the participation of Eligible Entity facilities (hereinafter "Customer Assets") in the ISO New England (ISO-NE) Demand Response Program, utility load curtailment programs and Clean Peak programs as applicable. Provide support services for current and future assets enrolled and to be enrolled by the Commonwealth in the Forward Capacity Market.

ii. Generator Upgrades: Upgrade, retrofit or replace existing emergency generators in various locations throughout the Commonwealth.

Note: Eligible Entities do not incur any upfront cost for assessing the feasibility of their participation in the ENE51 program or for enrolling in the program. The Contractor is responsible for those costs. Please refer to OSD's Contract User Guide for ENE51Demand Response at: https://www.mass.gov/doc/ene51designateddcamm/download

The second Demand Response option for applicants to consider is:

b) **Mass Save® Connected Solutions Demand Response Program** For electric customers served by Mass Save® sponsors (Eversource, National Grid, Unitil, Cape Light Compact), this program allows customers to reduce and earn incentives for reducing energy use during times of peak demand and helping to reduce carbon emissions and strain on the electric grid by enrolling in the ConnectedSolutions demand response program: https://www.masssave.com/saving/business-rebates/demand-response-and-storage

Additional materials and program resources are available through Mass Save® ConnectedSolutions for customers: https://www.nationalgridus.com/media/pdfs/bus-ways-to-save/connectedsolutions-ciprogrammaterials.pdf.

2. **Clean Energy Projects** – **helps Eligible Applicants save money by generating on-site renewable power and energy storage options at their facility, while also providing long term revenue through decarbonization.** As noted above in Section E: Recommended Project Adders, Applicants who select and include a Clean Energy Project option will also earn the application additional points in the grant team's

evaluation process as discussed further in the Evaluation Criteria section (see page 14).

Renewable energy generation and energy storage projects at an Eligible Applicant facility, including solar photovoltaic (PV) systems, in-conduit hydropower, wind power, battery storage systems, and existing Combined Heat and Power Projects that utilize biogas from anaerobic digestion are eligible.

Renewable thermal energy projects, such as solar thermal rooftop collectors for preheating water, geothermal systems, water-source heat pumps, sewer heat recovery are eligible.

F. Eligible Entities: Eligible Applicants include the following listed organizations that own, or lease, Facilities that are high energy users, and have committed to performing the energy upgrades that are the focus of the Gap III grant program:

1. Publicly owned drinking water facilities (municipal, district or authority)
2. Publicly owned wastewater facilities (municipal, district or authority)
3. Nonprofit multifamily affordable housing organizations
4. Nonprofit agricultural/food producing organizations and
5. Small businesses engaged in food distribution and processing

G. Facility Ownership and Authorization to perform Energy Efficiency and Clean Energy Projects: Projects may be completed at a Facility that is owned by the Eligible Entity applicant, or at a Facility leased by the applicant with the written consent of Facility owner. To be eligible for a Gap Energy Grant, applications that propose any physical work at one or more leased Facilities must be accompanied by a letter signed by the Facility owner(s) demonstrating their commitment to pursue the project's stated energy efficiency or clean energy goals and actions.

NOTE to applicants: Applicants that are leasing Facilities must be in a Long-term lease arrangement to be eligible to apply for a Gap III Grant. A **Long-term lease** is defined in the Glossary as follows: for purposes of this Gap III Grant, a **Long-term lease** means a lease agreement of real property entered into between the Eligible Applicant and the property owner of which the lease period is no less than five (5) years, excluding any period for which the lease may be renewed or extended at the option of the lessor.

H. Application Deadline: Applications are due electronically by 5 p.m. on the following schedule.

1. Drinking Water and Wastewater facilities –**July 15, 2022**
   Nonprofit and small businesses – **July 29, 2022**

I. Funding Availability: As noted above, the total funding for the Gap III Grant Program is $7.5 million. Of this amount, up to $5 million in grants will be awarded to drinking water or wastewater facility projects, and up to $2.5 million will be awarded to nonprofit multifamily affordable housing, agricultural and food producing

organizations, and small businesses engaged in food distribution and processing. The total maximum funding currently available for all individual projects awarded through this Grant Program is $200,000 per entity.

MassDEP will be accepting Gap grant applications in two categories, as follows;

(1) for smaller projects, the Gap grant funding award will be up to, but not greater than, $100,000; and

(2) for larger projects, the Gap grant funding award will be up to, but not greater than $200,000.

In its discretion, the MassDEP Grant team reserves the right to award funding of greater or lesser amounts than specified in this section depending upon the quantity and the quality of the applications received; however, the current total Gap III program funding is $7.5 million.

Gap grant applications will be reviewed, and awards made, based on total estimated project costs within the specific funding category. If at the end of the grant process there are funds that remain unallocated, and in the sole discretion of MassDEP's grant team, additional projects may be funded or previously selected projects may receive additional funding. Applicants should only propose projects whose scope and timelines can be completed within two years from the effective date of grant contract execution. In MassDEP's sole discretion, the two-year grant contract period may be extended upon written request to MassDEP from a grant recipient, based upon demonstrated fact and project-specific circumstances, prior to the expiration of the two-year contract term. Contingent upon the availability of future funding, MassDEP reserves the right to increase the Total Funding available for the Gap III program.

J. Applicant Cost Share (10% Minimum Requirement) and Other Funding Obligations: A Gap III Energy Grant is designed to fill the financial Gap in funding that an energy efficiency or clean energy project has after all other sources (and opportunities) of funding have been integrated. For anticipated funding sources such as other grants or loans, whether secured or not, applicants should please note the application and decision date and include a copy of the application(s) or decision / awards for those grants and loans. All anticipated incentives from energy utility providers (e.g., Mass Save®, Municipal Light Plants, SMART, Solar Agreements etc.) and other revenue streams, such as planned Demand Response services and anticipated energy cost savings from clean renewable generation projects should be listed in the application materials. This documentation will allow grantees and MassDEP to evaluate and quantify all associated economic and emission reduction benefits generated from the grant projects that will directly benefit the Eligible Applicant's facility(is) as well as the surrounding communities.

The required applicant cost share contribution is a minimum of 10% of the total adjusted project costs (total project costs - less incentives - less other grants = adjusted project costs x 10% minimum applicant cost share). The required 10% cost share contributed by the facility

may include donor funds and other contributions but may not include other grants or Mass Save® incentives. Applicant cost shares greater than the 10% required minimum will be beneficial and factored in MassDEP's evaluation criteria for all submitted projects. Grants will be distributed on a "reimbursement basis" based on actual final project costs.

K. Prerequisites of applying for a Gap III grant: as noted in more detail in this document, the Gap III Grant Program is available to the following groups that meet these qualifications:

1. Eligibility – "Eligible Applicants" as defined through this Gap III Grant Program document.
2. Eligible Applicants have the legal right/capability to authorize and implement energy efficient upgrades to their "facility" as defined in the Glossary and in Section G above.
3. Eligible Applicants have completed the following actions as of the deadline for applying for a Gap III grant through this Program:
    a. Obtained an energy efficiency assessment /audit or feasibility study for your facility that identifies your energy-saving project types, total estimated project costs, and estimated annual energy saving amounts.
    b. Identified upgrade opportunities to the facility in accordance with the audit recommendations and have identified or secured funding sources, including utility incentives, to perform the upgrade.
    c. Identified and quantified the "Gap" in funding that is the purpose/Goal of the Gap III Grant program.

L. Required Application Materials To Be Submitted On-Line:

Each of the following items **must** be included for your application to be considered complete. If any required materials are missing, your application will not be considered complete and will not be considered for Gap III grant funding.

☐ Project Narrative – up to two pages describing the project(s). Please include the added community, social, and environmental justice benefits from your planned energy and cost-saving projects.

☐ Applicant Information and Funding Overview (Appendix A)

☐ Signed Certification of Application and Financing Certification and Small business and Nonprofit Attestation Forms (Appendix B)

☐ Grant Application Data Table (Appendix C; Includes Applicant's 10% Cost Share)

☐ Complete energy assessments or studies describing the proposed efficiency, clean energy generation, and demand response project(s), including estimated energy savings / energy generation and estimated costs.

☐ Documentation of Financing – Supporting documentation of other sources of funding from grant or incentive programs indicating that the proposed clean energy project(s) are funded / secured or are eligible (and applicant has submitted an application) for a grant or incentive.

Documentation could be notification of a grant award, a notice of receipt of a grant application or other communication from the funding source. [Note that this information will be summarized in the Grant Application Data Table (Appendix C) as well.]

M. Other Documents Required with Application: Identified energy efficiency or clean energy project measures must be quantified and documented by a previously completed energy assessment, energy audit or technical evaluation. This documentation must include the estimated total project costs and an estimate for potential annual energy savings or generation (expressed in kilowatt hours (kWh), therms, gallons etc.), and annual monetary cost savings. **No awards will be made to complete energy assessments, technical evaluations, or feasibility studies.** Engineering costs required to implement eligible projects can be included in the total project cost. This documentation must be submitted online with all other required application materials. Examples of required documentation include but are not limited to the following:

1. energy assessment for installing efficiency measures
2. technical study examining energy savings from optimizing your pumping, refrigeration, blower, compressor systems etc.
3. an updated energy efficiency audit of your building and facilities
4. a feasibility study indicating potential for renewable energy generation
5. electric and gas utility's financial incentives/contributions
6. Green Communities grants
7. MA SMART solar incentives
8. Demand Response plan and anticipated revenues
9. other secured/or planned sources of funding and grants

N. Bidders Conference: Two Bidders' Informational Conferences using Zoom will be held on the following dates:

To attend either the **June 2nd or June 14th** Bidder's conferences at 10 a.m, please register on the Gap Grant webpage of the MassDEP website.

Please note: Any applicant may attend either bidder's conference, but application deadlines are industry specific and firm.

O. Total Anticipated Duration of Grant(s): The contract duration will be up to two (2 years) from the effective date of contract execution unless a written request for contract extension is submitted by the grant recipient and approved by MassDEP at least 3 months prior to expiration of the two years deadline. See also, Funding Availability in section I above.

P. Grant Contract Requirements for Grant Recipients: If a grantee receives funding through this Gap Program opportunity, it must agree to the following requirements:

1. All Grantees must execute/agree to the following forms with MassDEP to receive funding.
   a. MassDEP Grant Agreement
   b. Commonwealth Standard Contract Form

c. Commonwealth Terms and Conditions (this is incorporated by reference into the Standard Contract Form).

2. Grant awards will be distributed on a reimbursement basis based on receipt and approval of supporting documentation reflecting the actual costs of the project.

3. All Grantees: Reimbursable expenses may be incurred only after the date that all required contract documents have been fully executed by both parties.
4. All Grantees: Must file quarterly progress reports on the Project deliverables during the Project development and implementation and, at the end of the Project, submit a final report to MassDEP summarizing project completion which must include a project fact sheet that will be made publicly available.
5. All Grantees: Develop an educational and outreach component to the project, which can include educational brochures or fliers, including one-page descriptive project summaries, web-based materials, or tours and presentations of the completed project.
6. All Grantees: Must submit one preceding year of monthly energy usage information as an energy baseline to MassDEP prior to the initiation and implementation of the approved Gap grant project(s).
7. For nonprofit and small businesses, track and verify total cumulative energy and cost savings for at least three years following the completion of the funded project(s). Share this information with MassDEP or any entity MassDEP designates or contracts with to perform a cost benefit analysis. Note to grantees: MassDEP is currently exploring software options to facilitate the tracking and verification of energy and cost savings for grantees to utilize to fulfill this requirement; MassDEP will provide grantees with additional information in the event that a specific and feasible software program is identified for this function.
8. For municipal drinking water and wastewater projects, select a staff member to become authorized to use DOER's MassEnergyInsight- https://www.massenergyinsight.net/home a web-based no-cost energy tracking tool for municipalities. Note: that some facilities/communities may already have an authorized user(s).
9. For municipal drinking water and wastewater projects, verify and/or complete MassEnergyInsight accounts for the facility within six (6) months of the grant contract.
10. For municipal drinking water and wastewater projects, commit to ensuring MassEnergyInsight facility data is accurate and complete for three years following completion of the funded project(s).
11. For installation of all eligible renewable energy technologies, registration at https://www.masscec.com/register-my-system and reporting to the Massachusetts Clean Energy Center Production Tracking System (PTS) https://www.masscec-pts.com/#/home or reporting to the SMART Program as required.

Q. Applicable Procurement Law: MGL c. 7A, §7; St. 1986 c. 206, § 17; 815 CMR 2.00 (Grants)

INSTRUCTIONS FOR APPLICATION SUBMISSION:

A. **Evaluation Criteria (general):** Applicants must submit a completed on-line application (instructions below) that includes all the required supporting materials, agree to the program conditions, and meet the eligibility requirements to be considered for a grant award. A MassDEP review committee will evaluate proposed projects based upon the criteria listed below. The review committee reserves the right to reject any or all proposals.

Evaluation Criteria Components: The MassDEP review committee will evaluate and score the grant applications from Eligible Entities (as defined previously in this Grant Opportunity) based upon the following criteria. Points indicated are the maximum points available per criteria:

1. Cost-Effectiveness of MassDEP's Gap III grant **(25 points)**
   (The cost-effectiveness formula (simple payback in years) = the Applicant's Gap Grant Funded Requested Amount ($) / Estimated Annual Energy Cost Savings Amount ($)
2. Total Estimated Annual Energy Savings and / or Renewable Power Generation in kilowatt-hours **(25 points)**
3. Environmental Justice benefits in projects refer to the direct benefits offered through services and or goods provided to EJ populations within a community. **(15 points)**
4. Total Percentage (%) of Energy Utility Incentives and Other Grant Contributions Secured for the Project **(10 points)**
   (e.g., Energy Utilities include Mass Save® and Municipal Light Plant (MLP) incentives, MassCEC, DOER, USDA grant funding etc.)
5. Implementing a Clean Energy Project Technology Option (**10 points**)
   (e.g., including solar photovoltaic (PV) systems, in-conduit hydropower, wind power, existing Combined Heat and Power Projects that utilize biogas from anaerobic digestion, solar thermal rooftop collectors for preheating water, geothermal, water-source heat pumps, sewer heat recovery) and energy storage projects
6. Implementing Deep Energy Retrofit measures (optional) [6] **(5 points)**
   (e.g., Combination of spray foam insulation and heat pumps)
7. Implementing an Active Demand Response plan (optional)[7] **(5 points)**
   (e.g., Developing and implementing a plan to temporarily shut down some equipment to curtail energy load at a facility during peak times)
8. For Applicant Cost Share Contribution: an amount greater than 10% **(5 points)**

[6] Deep Energy Retrofits address improvements to multiple building systems and components that result in large energy reductions.

[7] By participating in demand response programs, facilities help the electrical grid manage increased demand for power during critical times and, in return, receive financial compensation for participation.

B. **Prior to Grant Submission, Pre-Register to use the Online Grant Application System.** This will enable MassDEP to pre-set the Online System for your application.

No paper submissions will be accepted for the grant application.

To pre-register: please complete the registration form on the Gap Grant webpage**,** and provide the following information:

- entity name,
- type of governance (municipal, district, authority, nonprofit, private),
- legal address including zip code,
- primary contact name, title, email and phone number

The primary contact will receive an email invitation to the online application system and will be required to create a user profile.

- Use a high speed (broadband) Internet connection if possible.
- Gather and prepare all your electronic materials before beginning the submission process.
- Name your electronic files with your entity name followed by wording that makes the content of the file clear – **this is REQUIRED.**

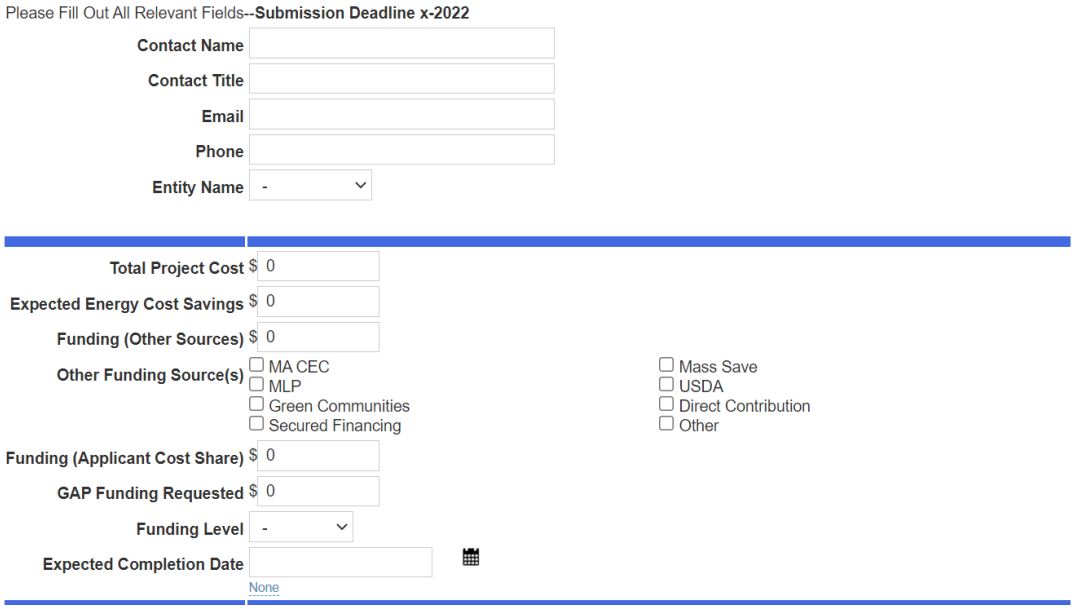
C. **Online System Instructions**

- **PLEASE NOTE**: All application materials must be submitted all at once. You cannot return to a partially completed form to add or correct information. If you log out without using the <Submit> button, nothing will be saved in the system.
- To practice using the online application: Don't use the <Submit> button. When you use the <Submit> button the information on the form along with uploaded files will be saved to DOER's system. If you log back in, the form will be blank BUT the system saved your files and information.

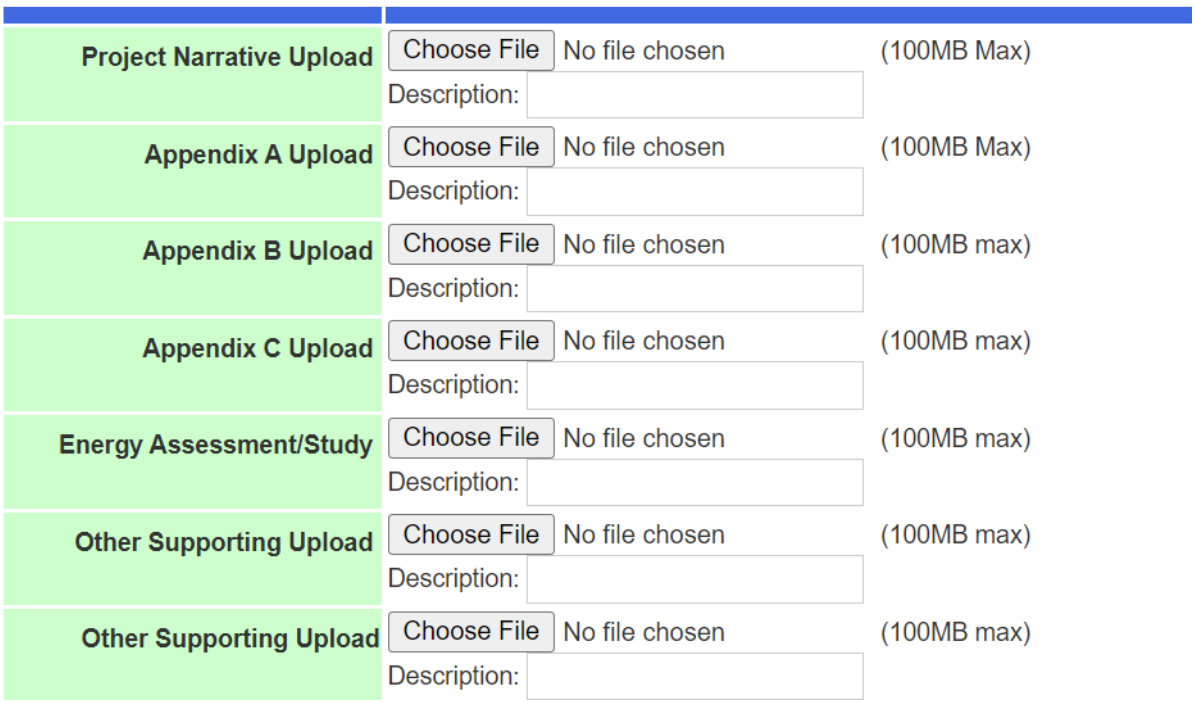
Please only submit once. **If you do not see your entity's name on the drop-down pick list, made a mistake, forgot something, or need technical help with the Online Application Process, please contact Jane Pfister jane.pfister@mass.gov .**

D. **Submitting Your Grant Application**

1. Fill out the online grant application form completely. You will need to upload multiple files using the form.



2. Using the Upload fields (green lines will be at the bottom of the form), click in a blank white space or on a grey <Choose File> button.



Navigate to and select the file on your computer, then double click on it or choose open in the dialog box. The file's path on your computer will show in the blank white space. Be sure to upload each of these required files:

Project Narrative – up to two pages describing the project(s). Please include the added community, social, and environmental justice benefits from your planned energy and cost-saving projects.

Applicant Information and Funding Overview (Appendix A)
(e.g., File Name – EntityName_AppA.doc)

Signed Certification of Application (Appendix B)
(e.g., File Name – EntityName_AppB.pdf)

Grant Application Data Table (Appendix C)
(e.g., File Name – EntityName_AppC.xls)

Complete studies, not extracted pages, for the proposed clean energy projects
(e.g., File Name – EntityName_VFD_EnergyServices.pdf)

Supporting documentation from other grant or incentive partners such as a grant award notice, or notice of receipt of application or a communication indicating that the proposed clean energy project(s) are likely to be eligible for a grant or incentive
(e.g., File Name – Entity Name_MassSave_inc_email.pdf)

3. Review the form and upload line carefully to make sure everything is complete. Use the calendar icon below the upload lines to select the date-time, and then click on the 

<Submit> button.

After you have clicked the <Submit> button, you will be redirected to a confirmation page that says your application has been submitted. Shortly thereafter you will receive an email from Jane Pfister at DOER confirming the receipt of your grant application and the number of files uploaded.

ESTIMATED PROCUREMENT CALENDAR	**Date**	**Time**
Notice of Grant Opportunity (posted on COMMBUYS and MassDEP website)	Thursday, May 26, 2022	
Grant Release Date (posting date) on MassDEP website	Thursday, May 26, 2022	
Bidders' Informational Conference (via Zoom) To obtain dial-in information or the Zoom link for either the **June 2nd or June 14th session**, please register on the Gap Grant webpage on MassDEP/s Website. **Please note:** Interested applicants may attend either session, both informational sessions will be recorded.	Thursday, June 2, 2022 Tuesday, June 14, 2022	10:00 A.M. 10:00 A.M.
Deadline for Submission of Questions to MassDEP, either at Bidders' Conference or prior to deadline, via email to: danah.tench@mass.gov	Friday, June 17, 2022	5:00 P.M.
Official Answers for Q&A published on MassDEP website	Friday, June 24, 2022	5:00 P.M.
GRANT APPLICATION DEADLINE		
Drinking Water and Wastewater Facilities Nonprofit and Small Businesses	Friday, July 15, 2022 Friday, July 29, 2022	5:00 P.M.
Notification of Grant Award(s) (Estimated) (POSTED ON COMMBUYS AND MASSDEP WEBSITE)	Thursday, November 10 ~~October 27~~, 2022	
Estimated Contract Start Date *Actual contract dates may vary for individual grant awards.	* Friday, December 30~~23~~, 2022	

APPENDIX A – APPLICATION AND FUNDING OVERVIEW

APPLICANT INFORMATION

Legal Name of Entity	Type of Governance: (Municipal, District, Authority, Nonprofit, Private)
Entity Function: (Water, Wastewater, Agriculture, Housing, Food, Beverage)	List of Municipalities, Communities, or Areas Served
Organizational Mission: (Provide brief statement)	
Contact Name	Contact Title
Email Address	Telephone
Electric Utility	Gas Utility (if none, state heating fuel or source)

FUNDING OVERVIEW

Total Project Cost	**Total Annual Expected Energy Cost Savings**	**Total Other Funding Sources (Mass Save®, MLP, MassCEC, DOER USDA, Other Grants etc.)[8]**	**Total Funding From Applicant (including financing)[9]**	**Gap Funding Requested**
$	$	$	$	$

[8] The total of all funding sources not contributed by the applicant or requested in this application includes utility incentives from electric/gas utility through Mass Save® programs for efficiency projects, funding from a Municipal Light Plant (MLP), the Mass Clean Energy Center (CEC) for renewable projects, any U.S. Department of Agriculture (USDA) or Rural Water Association funds, other grants (federal, state, donor), etc. Individual amounts should be detailed in the Grant Application Data Table (Appendix C) in Excel form.

[9] Total funding from the applicant must be at least 10% of the total adjusted project costs (total project costs – incentives – other grants = adjusted project costs x 10% minimum cost share).

APPENDIX B: APPLICATION AUTHORIZATION

MUST BE PROVIDED WITH SCANNED SIGNATURES (pdf)
CERTIFICATION OF APPLICATION

I hereby confirm that I am duly authorized to submit this application on behalf of [Insert type of entity] _____and that all information contained in this application to the Gap III Funding for Clean Energy Projects at the relevant facilities or buildings is true and accurate.

_____

Name Date

_____

Title

OWNERSHIP/LEASE 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 type of entity] _____ as I am 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 Gap III Funding for Clean Energy Projects at the relevant facilities is true and accurate.

FINANCING CERTIFICATION *Applicants that intend to secure financing to implement the energy projects described in this application must also complete this certification:*

I hereby confirm that the applicant is duly authorized to apply for financing on behalf of the [Insert type of entity] of _____, located at _____, and that if selected for a grant award the applicant will seek financing for the project as described in Appendix C.

_____

Name Date

_____

Title

COST SHARE CERTIFICATION

I hereby certify that the applicant for Gap III Funding for clean energy projects at [Insert facility/nonprofit or business name] _____, will satisfy the grant requirement to provide the required minimum cost share contribution of 10% of the total adjusted project costs, as described in Appendix C.

_____

Name Date

_____

Title

Small Business Eligibility Attestation Form

Instructions: Complete the Small Business Eligibility Attestation Form. Print the completed form and scan it together with all required documentation **as one single PDF File. Upload the scanned file with your application.**

Eligibility Criteria and Documentation Requirements

Program Criterion 1: Your principal place of business is in Massachusetts.

Program Criterion 2: You have been in business for at least one year.

To demonstrate your business' eligibility for these requirements, provide one of the following. *(Please check the document you are providing):*

☐ **LLC, LP, or Corporation** – a copy of your most recent Massachusetts annual report (can be downloaded from the Secretary of the Commonwealth Corporations Division webpage).

Program Criterion 3: Your business currently employs a combined total of 50 or fewer full-time equivalent employees in all locations or employees work less than a combined total of 2,600 hours per quarter.

To demonstrate your business' eligibility for this requirement, confirm the following.

☐ **Single Owner Firms (Sole Proprietorship, LLC, LP, or Corporation). By checking this box and signing this form you attest that the applicant is a single owner firm.**

Program Criterion 4: Your business has gross revenues, as reported on the appropriate Massachusetts Department of Revenue tax forms, of $15 million or less, based on a three-year average.

To demonstrate your business' eligibility for this requirement, provide one of the following. *(Please check the documents you are providing and complete the table below):*

☐ **Firms in business for three or more years** – a copy of the cover page and the pages that contains your firm's gross revenue from the tax forms filed by your business in the last three years.

☐ **Firms in business for less than three years** – copies of the cover page and the pages that contain your firm's gross revenue from the tax forms filed by your business for the number of years your company has been in business.

I have provided the following state tax forms as evidence of meeting Program Criterion 4:	**State Tax Form #**	**Most Recent Tax Year(s)**	**Gross Revenue for this Year**
		20__	$
		20__	$
		20__	$

Signature	By signing below, I hereby swear under the pains and penalties of perjury that my business meets the eligibility criteria as set forth in this grant opportunity and that all documents provided in support of my eligibility are true copies of originals on file with my company. _____
Date	

Non-Profit Eligibility Attestation Form

Instructions: Complete the Non-Profit Eligibility Attestation Form. Print the completed form and scan it together with all required documentation as **one single PDF File. Upload the scanned PDF along with your application.** Your non-profit attestation will be validated based on your filing(s) with the Non-Profit Organizations/Public Charities Division of the Attorney General's Office.

Eligibility Criteria and Documentation Requirements

I hereby attest that the non-profit organization listed on this form meets the following criteria. (*Please check the document you are providing):*

Program Criterion 1: Your principal place of business is in Massachusetts.

Program Criterion 2: You have been in business for at least one year.

To demonstrate your business' eligibility for these requirements, provide the following. *(Please check the document you are providing):*

☐ **Proof of your organization's IRS 501 (c)(3) or (c)(4) designation.**

Program Criterion 3: The confirmation provided from your organizations most recent PC filing with the Attorney General's Office's Non-profits & Charities Office.

To demonstrate your business' eligibility for this requirement, provide one of the following. *(Please check the document you are providing):*

☐ **Your organization's most recent Certificate of Solicitation** (the form may be downloaded from the Attorney General Office's Non-Profits & Charities Search) or

☐ **Your organization's most recent Letter of Good Standing** issued by the Attorney General Office's Non-Profits & Charities.

Signature	By signing below, I hereby swear under the pains and penalties of perjury that my business meets the eligibility criteria as set forth in this grant opportunity and that all documents provided in support of my eligibility are true copies of originals on file with my company. _____
Date	

APPENDIX C: GAP III GRANT APPLICATION DATA TABLE.xls

Wastewater and Drinking Water Sample: Please fill in based on your project parameters

Building Name / Location	Project Name	Estimated Project Completion Date	Projected Annual Electricity Savings or Renewable Energy Generation (kWh)	Projected Annual Natural Gas Savings (therms)	Projected Annual Cost Savings ($)	Total Estimated Project Costs ($) (Column A)	Energy Utility Incentives ($)	Other Grant / Contributions ($)	Total Incentives and Other Grants (Column B)	Total Adjusted Project Costs (Column A - Column B)	Entity Cost Share ($) Minimum 10%[1]	Gap Grant Funding Request ($)	Other Revenues (SMART, RECs, Demand Response, Solar Agreement)	Audit or Technical Study Reference / Notes
Wastewater Treatment Plant	*75 kW Solar PV System*	*Jul-23*	*90,000*	*0*	$ 30,000	$ 150,000	$ -	$ -	$ -	$ 150,000	$ 15,000	$ 135,000	$ 15,000	*Solar Assessment & SMART Incentive*
Drinking Water Pumping Station	*VFD Install*	*Dec-22*	*80,000*	*0*	$ 20,000	$ 30,000	$ 14,000	$ -	$ 14,000	$ 16,000	$ 1,600	$ 14,400	$ 5,000	*Energy Audit & Demand Response Revenue*
Wastewater Buiding	*Sewer Heat Recovery – water source heat pump*	*Apr-23*	*40,000*	*1,000*	$ 9,000	$ 80,000	$ 28,900	$ 30,000	$ 58,900	$ 21,100	$ 2,110	$ 18,990	$ 1,000	*Energy Audit & Demand Response Revenue*
Drinking Water PRV Station	*In-Line Hydropower Turbine*	*Apr-23*	*50,000*	*0*	$ 17,000	$ 90,000	$ -	$ 55,000	$ 55,000	$ 35,000	$ 3,500	$ 31,500	$ 2,500	*Feasibility Study, MassCEC Grant*
Wastewater / Drinking Water Name	*Renewables & Energy Efficiency*	***Totals***	***260,000***	***1,000***	$ 76,000	$ 350,000	$ 42,900	$ 85,000	$ - $ 127,900	$ 222,100 100%	$ 22,210 10%	$ 199,890 90%	$ 23,500	

[1] Total funding from the applicant must be at least 10% of the total adjusted project costs = (total project costs – incentives-other grants = adjusted project costs x 10% minimum municipal cost share).

APPENDIX C: GAP III GRANT APPLICATION DATA TABLE.xls

Nonprofit and Private Small Business Sample: Please fill in based on your project parameters

Building Name / Location	Project Name	Estimated Project Completion Date	Projected Annual Electricity Savings or Renewable Energy Generation (kWh)	Projected Annual Natural Gas Savings (therms)	Projected Annual Cost Savings ($)	Total Estimated Project Costs ($) (Column A)	Energy Utility Incentives ($)	Other Grant / Contributions ($)	Total Incentives and Other Grants (Column B)	Total Adjusted Project Costs (Column A - Column B)	Entity Cost Share ($) Minimum 10%[1]	Gap Grant Funding Request ($)	Other Revenues (SMART, RECs, Demand Response, Solar Agreement)	Audit or Technical Study Reference / Notes
ABC Food Bank (Main Facility)	*Weatherization, Air Source Heat Pumps, Energy Management System*	*Oct-23*	*40,000*	*2,000*	$ 12,000	**$ 52,000**	$ 10,000	$ 30,000	**$ 40,000**	**$ 12,000**	$ 1,200	**$ 10,800**	$ 2,000	*Energy Audit & Demand Response Revenue*
ABC Food Bank (Distribution Facility)	*15 kW Solar PV System*	*Apr-23*	*18,000*	*0*	$ 4,500	**$ 45,000**	$ -	$ 6,300	**$ 6,300**	**$ 38,700**	$ 3,870	**$ 34,830**	$ 3,600	*Solar Assessment / Agreement & SMART Incentive*
Craft Beverage (Main Facility #1)	*VFD on HVAC Fans*	*Dec-22*	*118,000*	*0*	$ 17,000	**$ 46,000**	$ 26,000	$ -	**$ 26,000**	**$ 20,000**	$ 2,000	**$ 18,000**	$ 5,000	*Energy Audit & Demand Response Revenue*
Craft Beverage (Distribution Facility #2)	*Weatherization & Energy Management System*	*Oct-23*	*40,000*	*1,000*	$ 9,000	**$ 25,000**	$ 20,000	$ -	**$ 20,000**	**$ 5,000**	$ 500	**$ 4,500**	$ 1,000	*Energy Audit & Demand Response Revenue*
Nonprofit Name	*Renewables & Energy Efficiency*	***Totals***	***216,000***	***3,000***	**$ 42,500**	**$ 168,000**	**$ 56,000**	**$ 36,300**	**$ 92,300**	**$ 75,700** 100%	**$ 7,570** 10%	**$ 68,130** 90%	**$ 11,600**	

[1] Total funding from the applicant must be at least 10% of the total adjusted project costs = (total project costs – incentives-other grants = adjusted project costs x 10% minimum municipal cost share).

APPENDIX D: Additional Required Documentation

Additional Forms: If selected for a grant award, the applicant will be required to submit the following forms to complete the contracting process. Forms with an asterisk (*) need not be submitted, if they have been completed previously and are already on file with the Commonwealth:

- MassDEP Grant Agreement
- Commonwealth Standard Contract Form. Standard Contract Form is listed under Contracts on this website: https://www.macomptroller.org/forms
- Commonwealth Terms and Conditions. These Terms and Conditions are incorporated by reference into the Standard Contract Form, and do not need to be executed separately. https://www.macomptroller.org/forms
- Commonwealth W-9 tax information form filled out and signed by the applicant with DUNS number and Federal Tax ID(*)https://www.macomptroller.org/forms
- Completed Contractor Authorized Signatory Listing Form https://www.macomptroller.org/forms
- Electronic Funds Transfer (EFT) form(*) https://www.mass.gov/how-to/tips-for-completing-the-electronic-funds-transfer-eft-form

Applicants are encouraged to review these forms prior to submission of an application.

APPENDIX E: GLOSSARY

Air Source Heat Pumps: Air Source Heat Pumps (ASHP) are powered by electricity and operate like a refrigeration system. They extract heat from the air outside and distribute it inside. During warmer months, this process is reversed to provide cooling.

Applicant: An Applicant is any entity identified in Section F of this Grant Announcement that responds with a completed application, including all Required Application Materials To Be Submitted On-Line in Section K, and other required documentation as specified herein. For definition purposes, an Applicant is the same as a "bidder" as defined in 801 CMR 21.00 (Procurement of Commodities and Services).

Battery Energy Storage Systems (BESS): Battery storage, or battery energy storage systems (BESS), are devices that enable energy from renewables, like solar and wind, to be stored and then released when customers need power most. Lithium-ion batteries, which are used in mobile phones and electric cars, are currently the dominant storage technology for large scale plants to help electricity grids ensure a reliable supply of renewable energy.

Building Envelope: A building envelope is the component that separates the exterior of the building from the interior. It's the shell of the building, and as such, the envelope is a key consideration when constructing a building. It affects the ventilation, climate, energy consumption and protection of occupants and interiors.

Clean Energy Results Program (CERP): The Program within MassDEP that is responsible for the procurement and implementation of this Gap Energy Grant Opportunity.

Combined Heat & Power (CHP): Combined Heat and Power (CHP) is an energy efficient technology that generates electricity and captures the heat that would otherwise be wasted to provide useful thermal energy—such as steam or hot water—that can be used for space heating, cooling, domestic hot water and industrial processes. CHP can be located at an individual facility or building or be a district energy or utility resource. CHP is typically located at facilities where there is a need for both electricity and thermal energy.

COMMBUYS: The Commonwealth's eProcurement Access and Solicitation Website (COMMBUYS) is a free, around-the-clock internet access site that provides bid/solicitation/procurement documents for all goods and services that are available either on existing Commonwealth state-wide contracts or are issued by other Eligible Entities of the Commonwealth of Massachusetts (including MassDEP). Announcements for Grant Opportunities and Notification of selection (and non-selection) for Grant Awards must also be posted on COMMBUYS pursuant to 815 CMR 2.00 (Grants and Subsidies).

Environmental Justice (EJ): Environmental Justice (EJ) is based on the principle that all people have a right to be protected from environmental pollution and to live in and enjoy a clean and healthful environment. EJ is the equal protection and meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits.

Facility: please see the definition for drinking water facilities and wastewater facilities that is found under the terms "Publicly Owned" wastewater and drinking water facilities.

Facility for all other Eligible Applicants for this grant program: Facility means any structure, open area, or object which accommodates or is intended to accommodate Residential, Commercial, Industrial and/or Mixed-Use Activities. For purposes of the Gap III Energy Grant, a Facility is specific to the organizational entity for which the grant application has been submitted — Nonprofit Multifamily Affordable Housing, Nonprofit Agricultural/Food Producing Organization, Small Businesses Supporting Food Distribution and Processing. The Facility in these categories is the structure being upgraded through energy efficiency or clean energy project improvements by the property (i.e., Facility) owner or by the Lessee who has a current long-term lease and with the consent and authorization of the property (i.e., Facility) owner.

Gap III Energy Grant Opportunity: As the Commonwealth's greenhouse gas reduction goals have become more urgent and challenging, MassDEP is expanding this Gap Energy Grant Program. In addition to municipal water infrastructure Facilities, eligible applicants for this third round of funding opportunity for Facility upgrades now includes non-profit organizations focused on agriculture and food distribution as well as multifamily affordable housing and small businesses focused on agriculture and food distribution. See also Gap Energy Grant Program definition.

Gap Energy Grant Program: is the energy grant funding model initially designed to help municipal water utilities reduce their energy usage, operating costs, and improve the environment. This grant program "fills the funding Gap" by leveraging incentives from energy utilities and other funding sources to jump-start energy efficiency and clean energy generation projects. For additional information on MassDEP's Gap Energy Grant Program (rounds I &II), please review our statewide efforts and results at Massachusetts' drinking water and wastewater treatment facilities, including highlights of past Gap grants made to specific communities. The interactive website can be found here: Massachusetts' Gap Energy Grant Program | Mass.gov

Geothermal Systems: A geothermal heating and cooling system uses the constant temperature of soil or water located below ground to heat and cool buildings. Geothermal energy is considered a renewable resource. Also called geothermal heat pumps, geoexchange, earth-coupled, ground-source, or water-source heat pumps (WSHP). A ground source or geoexchange system consists of a heat pump connected to a series of buried pipes. One can install the pipes either in horizontal trenches just below the ground surface or in vertical boreholes that go several hundred feet below ground.

Grant Announcement: also called a Request for Responses (RFR), the document describing the grant opportunity, terms, and response requirements.

Grantee: A Public or Non-Public Entity selected as a recipient of Grant. See 815 CMR 2.02 (definitions); see also Subrecipient definition below.

HVAC: Heating Ventilation and Air Conditioning

In-Conduit Hydropower: In-conduit hydropower is a renewable technology that uses existing tunnels, canals, pipelines, aqueducts, and other manmade structures that carry water which are fitted with electric generating equipment. Drinking water and wastewater treatment plants that have excess pressure

available in their system could potentially benefit from the installation of an in-line hydropower system. For more information, please refer to MassDEP's in-conduit hydropower project resources and screening tool for water supply and wastewater treatment facilities: https://www.mass.gov/lists/hydropower-project-screening-tool-for-water-supply-wastewater-treatment-facilities

Lessee: a person or legal entity leasing the Facility provided by the Facility owner. A lessee in a lease agreement is responsible for making a payment or payments to the Facility owner for using the Facility named in the lease agreement.

Long-term lease: for purposes of this Gap III Grant, means a lease agreement of real property entered into between the Eligible Applicant and the property owner of which the lease period is no less than five (5) years, excluding any period for which the lease may be renewed or extended at the option of the lessor.

Massachusetts Executive Office of Energy and Environmental Affairs (EOEEA): **MA EOEEA** oversees the Commonwealth's six environmental, natural resource and energy regulatory agencies. Massachusetts is the first state in the nation to combine energy and environmental agencies under one Cabinet secretary.

Massachusetts Department of Environmental Protection (MassDEP): MassDEP is an Executive Department under the Executive Office of Energy and Environmental Affairs (EEA). MassDEP's mission is to protect and enhance the Commonwealth's natural resources - air, water, and land - to provide for the health, safety, and welfare of all people, and to ensure a clean and safe environment for future generation. Within EEA, MassDEP administers the Clean Energy Results Program (CERP), in Partnership with the Massachusetts Department of Energy Resources and the Massachusetts Clean Energy Center.

Massachusetts Department of Energy Resources (DOER): DOER is an Executive Department under the Executive Office of Energy and Environmental Affairs (EEA). Within EEA, DOER develops and implements policies and programs aimed at ensuring the adequacy, security, diversity, and cost-effectiveness of the Commonwealth's energy supply to create a clean, affordable and resilient energy future for all residents, businesses, communities, and institutions.

Massachusetts Clean Energy Center (CEC): The Massachusetts Clean Energy Center (MassCEC) is a state economic development agency dedicated to accelerating the growth of the clean energy sector across the Commonwealth to spur job creation, deliver statewide environmental benefits and to secure long-term economic growth for the people of Massachusetts.

Mass Save®: Mass Save® is a collaborative of Massachusetts' natural gas, electric utilities and energy efficiency service providers (Berkshire Gas, Cape Light Compact, Eversource, Liberty Utilities, National Grid and Until) that provides technical and financial assistance in helping their customers across Massachusetts save money and energy, leading our state to a clean and energy efficient future.

Nonprofit Multifamily Affordable Housing: an affordable housing organization that holds a federal 501(c)(3) or 501(c)(4) designation (such as community development corporation (CDC) and other non-profit housing organizations whose mission is to provide multifamily housing for low and moderate income, the elderly, and or special needs, those that the private housing market does not adequately serve. See 26 CFR 1. 501(c)(3) or 501(c)(4).

Nonprofit Agricultural / Food Producing Organizations: are organizations that hold a 501 (c) (3) designation such as community food banks and cooperatives (https://nfca.coop/ma/), commercial and shared-use kitchens (https://www.mass.gov/service-details/shared-use-kitchen-space), and local food processing, holding, and distribution organizations engaged in the production of agricultural products. Please note: this is not an all-encompassing list. 26 CFR 1. 501(c)(3).

Process Improvements: Maintaining better control and optimization of aeration processes and pumping systems at both wastewater and drinking water plants can yield energy saving results. Aeration provides oxygen to the helpful bacteria and other organisms as they decompose organic substances in the wastewater. Aeration is generally in the range of 30-60% of the electric load at secondary wastewater treatment facilities. Several aeration energy measures include: converting from coarse bubble aeration to fine bubble aeration with high efficiency blowers; installing energy efficient installing automatic Dissolved Oxygen (DO) control on aeration systems; installing variable frequency drives on blowers and mechanical aerators; installing automated variable DO setpoint devices that adjust air supply to influent DO loads. Pumping is often 90% or more of the electric load at drinking water plants. In wastewater plants, it is typically 20-30%. Several pumping optimization energy measures include: pump refurbishment or replacement, impeller trim or redesign, implementing variable frequency drives, closing recirculation (bypass) lines, turning off motors that are not needed (especially in parallel systems), opening valves, downsize pumps where oversized, as well as using approved epoxy coatings.

Public Entity: any city, town, special district, or the Massachusetts Water Resources Authority.

Publicly Owned Wastewater Treatment Facilities: a public entity that owns any device or system used in the treatment (including recycling and reclamation) of municipal sewage or industrial pre-treated liquid wastes. This system includes the collection, distribution, pumping and lift stations and treatment within the entire sewer system.

Publicly Owned Drinking Water Treatment Facilities: a public entity that owns a collection, treatment, storage, and distribution system for the provision to the public of water for human consumption, through pipes or other constructed conveyances.

Sewer Heat Recovery: Sewer heat recovery systems pull thermal energy from wastewater instead of burning fossil fuels. A heat pump is used to capture the warmth of wastewater and transfer it to a clean water distribution pipe that enters individual buildings. It is a closed-loop system, meaning the wastewater never touches the clean water. The wastewater flows back into the sewer; the heat is transferred to the clean water that is distributed to heat and cool the buildings.

Small Businesses Engaged in Food Distribution and Processing: are small food processing and distribution businesses that support Massachusetts agricultural and seafood industry, such as co-packers (https://www.mass.gov/service-details/co-packer-businesses and specialty food organizations https://www.msfa.net/?s=, and food holding facilities. Small Businesses engaged in food distribution and processing must be a company or corporation with a facility or facilities located in Massachusetts:

1. that is licensed to do business in the Commonwealth and
2. that has gross revenues, as reported on the appropriate Massachusetts Department of Revenue tax forms, of $15 million or less from their Massachusetts operations based

on a three-year average. A completed and sign copy with required attachments of the Small Business Eligibility Attestation Form (See page 21) which will verify that your business is eligible for this grant.

Solar Photovoltaic (PV) systems: Solar Photovoltaic is a renewable technology that uses photovoltaic cells to capture the sun rays and convert it into electricity. To boost the power output of PV cells, they are connected together in chains to form larger units known as modules or panels. Modules can be used individually, or several can be connected to form arrays. One or more arrays is then connected to the electrical grid as part of a complete PV system. Because of this modular structure, PV systems can be built to meet almost any electric power need, small or large.

Solar Thermal: Solar thermal is a renewable technology that converts the radiant energy from the sun into heat, which can then be used for such purposes as space and hot water heating, industrial process heat, or power generation.

Variable Speed or Frequency Drive: A variable speed drive or variable frequency drive are used for controlling the speed and torque of motors for pumping, HVAC, compressor and other systems.

Water Source Heat Pumps (WSHP): A water source heat pump system (WSHP) is one of the most efficient HVAC systems available for heating and cooling buildings. The water source heat pump replaces the outdoor fan and coil with a heat exchanger.

Wind Power: Wind power is the process by which the wind is used to generate mechanical power or electricity. Wind turbines convert the kinetic energy in the wind into mechanical power. A generator can convert mechanical power into electricity.