

CLEANENERGYRESULTS

Quarterly Report to the
Massachusetts Department of Energy Resources
Covering July 1, 2012 – September 30, 2012



January 2013

Massachusetts Department of Environmental Protection

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EXECUTIVE SUMMARY

The Clean Energy Results Program (CERP), established in July 2011 and launched in November 2011, is a first-of-its-kind partnership between the Massachusetts Department of Environmental Protection (MassDEP) and the Massachusetts Department of Energy Resources (DOER). This innovative new program builds on MassDEP's regulatory expertise and authority to support DOER in advancing the permitting and development of renewable energy and energy efficiency projects throughout Massachusetts. The Massachusetts Clean Energy Center (MassCEC) works closely with MassDEP and DOER on program activities.

This fourth quarterly report covers MassDEP activities performed between July 1, 2012 and September 30, 2012. It is being provided pursuant to the Memorandum of Agreement (MOA) executed between MassDEP and DOER, and the Clean Energy Results Program Funding Proposal submitted by MassDEP to DOER (both dated May 16, 2011). As this report will illustrate, the Clean Energy Results Program continues to achieve great success during this fourth reporting period. **Work done by MassDEP staff this quarter has directly advanced more than 85 clean energy and energy efficiency projects with potential for more than 90 megawatts of clean energy production from technology qualifying for the Massachusetts Renewable Energy Portfolio Standard (RPS) and the Alternative Energy Portfolio Standard (APS).**

Below are highlights from each program area. More information on each of these topics can be found under the Detailed Program Progress section of this report.

Water and Wastewater Utilities

This quarter, MassDEP supported DOER in the implementation of a new Drinking Water and Wastewater Facility Energy Evaluation Program that has resulted in 22 new comprehensive facility audits and reports with potential energy savings of more than \$1 million per year. MassDEP also proactively evaluated wastewater treatment plants with active and inactive anaerobic digesters to determine feasibility and receptivity by operators for accepting food waste. Four of these facilities received grant funding from MassCEC for technical and financial feasibility analyses, and three additional facilities submitted proposals. This quarter, MassDEP issued its Request for Response (RFR) to hire a qualified consultant to explore opportunities for in-line hydropower energy generation within the water infrastructure of Massachusetts. Staff also led discussions with utility Program Administrators who have committed in their three-year Energy Efficiency Plans to develop a strategy to provide more financial incentive to energy efficiency upgrades at wastewater and drinking water facilities.

Organics Diversion and Anaerobic Digestion

This quarter, MassDEP continued to overcome regulatory, technical, and financial barriers to diverting source-separated organics and siting anaerobic digestion projects. Working with the Massachusetts Organics Task Force, MassDEP has drafted a framework for a ban of disposal of organic material into landfills and incinerators with the target of having a draft package ready for review during the next

quarter and the regulations promulgated in 2014. MassDEP and Massachusetts Division of Capital Asset Management (DCAM) efforts to site anaerobic digestion on state land progressed during this reporting period. The agencies have selected three promising state-owned properties to evaluate further, and have received very positive feedback from local officials on proposed plans for these sites. Additionally, more than \$1 million in requests for the MassDEP Sustainable Materials Recovery Program were received from parties interested in development of organics processing capacity and the piloting of commercial collection efforts. Program awards are planned for next quarter.

Environmentally Challenged Property

This quarter, nine additional closed landfill projects were permitted with potential for more than 20 megawatts of clean energy production. This brings the overall total number of landfill sites permitted to 34 with potential for more than 70 megawatts. MassDEP staff assisted 11 clean energy projects proposed on contaminated land, with potential for 20 megawatts of clean energy production on brownfields and Superfund sites. MassDEP launched a Green Remediation Workgroup this quarter, and continued to plan multi-agency outreach and training efforts targeted at 500-plus Licensed Site Professionals (LSPs).

Clean Energy at Other MassDEP Regulated Sites

MassDEP completed work on draft regulations to simplify and streamline the siting of renewable energy projects that impact coastal development, wetlands, and other MassDEP regulated sites. MassDEP staff reviewed four solar projects proposed on public water supply land with potential for more than 15 megawatts of clean energy production. MassDEP staff also reviewed and approved an offshore wave energy demonstration project in Nantucket.

Clean Energy Outreach and Support

MassDEP staff presented information about the Clean Energy Results Program at nine public forums this quarter with more than 500 people in attendance. MassDEP clean energy leads continued to work collaboratively with DOER Green Communities staff on a number of potential clean energy projects across the Commonwealth. MassDEP reviewed its outreach material, and began updating existing material and identifying new material that needs to be developed.

Wind

This quarter, the “Summary of Comments” and “Summary of Response to Comments” for comments received in response to the Independent Wind Panel Report were advanced towards final approvals. MassDEP worked closely with MassCEC to develop a protocol for an acoustic survey of operating wind projects, including development of Frequently Asked Questions (FAQ) to support the Request for Proposals (RFP) issued in early fall 2012. Technical assistance was provided to three communities to help interpret noise policy and applicable regulations.

DETAILED PROGRAM PROGRESS

During this reporting period, the Clean Energy Results Program continued to make significant progress towards meeting the clean energy and energy efficiency goals set by MassDEP and DOER in key program areas at the launch of the program (described below).

Clean Energy at Water and Wastewater Utilities

This quarter, MassDEP continued its partnership efforts to expand energy-saving opportunities at drinking water and wastewater plants. Specifically, there was significant progress made in:

1. Implementing the new, DOER-funded, Drinking Water and Wastewater Facility Energy Evaluation and Audit Program;
2. Expanding outreach and feasibility analysis of anaerobic digestion potential at wastewater treatment facilities; and
3. Issuing a formal Request for Proposal for In-Line (conduit) Hydropower evaluation projects within Massachusetts water infrastructure.

Advancing the Municipal/District Drinking Water and Wastewater Facility Energy Evaluation Program

During this quarter, MassDEP and DOER worked together to move the Energy Evaluation Program forward. Combining \$256,691 in public Energy Efficiency and Conservation Block Grant funding (EECBG) with NSTAR's Energy Efficiency Program funding, 22 comprehensive energy audits and reports were completed for 12 drinking water facilities and 10 wastewater plants, along with an energy review of the planned upgrade of the Dartmouth Water Pollution Control Facility. These plants vary in size, age, water treatment technologies, and energy utility service areas (including several Municipal Light Plants).

Based on the preliminary recommendations from these energy audits, just over \$1 million of potential energy efficiency savings were identified for the facilities. The estimated total costs of the energy improvements are approximately \$3.3 million, representing a simple 3.3-year payback overall. During the coming months, MassDEP, DOER and the New England office of the U.S. Environmental Protection Agency (EPA) will be working closely with the energy efficiency providers and the facilities to help implement many of these energy-saving opportunities. The participating facilities are:

Baddacook Pond Water Treatment Facility (Groton)
Great Sandy Bottom Pond Water Treatment Plant; John Hannigan Facility; Myers Avenue Facility (Abington-Rockland)
Hudson Wastewater Treatment Plant
Pepperell Water Pollution Control Facility
New Bedford Water Pollution Control Facility
South Street Water Treatment Plant (Norwell)
Woburn Water Treatment Plant
Lynn Regional Water Pollution Control Facility

Ipswich Water Treatment Plant
Ipswich Wastewater Treatment Plant
Charles River Wellfield Water Treatment Facility (Needham)
George D'Angelis Water Treatment Facility (Millis)
Lowell Regional Wastewater Utility
Dartmouth Water Pollution Control Facility
Millham Water Treatment Facility (Marlborough)
Acton Water Facility
Gravelly Pond Water Treatment Plant (Manchester-by-the-Sea)
Springvale Water Treatment Plant (Natick)
Medfield Wastewater Treatment Plant
Palmer Wastewater Treatment Plant
Middleborough Water Division
Page Road Pump Station (Bedford)
Wakefield Drinking Water Facility
Winchester Water Treatment Plant

In addition, MassDEP and DOER have made significant progress in working through the Energy Efficiency Advisory Council (EEAC) to target efficiency opportunities in aeration and pumping (high electrical usage areas) at municipal and district drinking water and wastewater facilities in the upcoming 2013-2015 Energy Efficiency Plan. MassDEP and DOER are trying to develop a sustainable financial assistance model for this market segment that would include leveraging Massave efficiency incentives. An Interagency/Utility workgroup will be convened in the last quarter of 2012 and will develop recommendations by the second quarter of 2013. The objective of this workgroup is to develop a plan that would help to overcome financial barriers to making drinking water and wastewater facilities more energy efficient, while improving and optimizing operations.

Expanding Outreach and Feasibility Analysis of Anaerobic Digestion Potential at Wastewater Treatment Facilities

During this reporting period, MassDEP continued its outreach and technical assistance to advance anaerobic digestion at wastewater treatment facilities. MassDEP has revised its current Operation & Maintenance Regulations (314 CMR 12.00) to allow the introduction of Source Separated Organics (SSO) at anaerobic digesters located at wastewater treatment plants. These new revisions have been drafted and will be promulgated next quarter.

In addition, MassDEP has drafted a Report on *Anaerobic Digestion at Wastewater Treatment Plants in Massachusetts: Current Capacity and Future Potential*. This report covers four primary areas of anaerobic digestion use in Massachusetts:

1. Existing wastewater treatment plants with operational anaerobic digestion;
2. Existing wastewater treatment plants with offline anaerobic digestion;
3. Potential new anaerobic digestion facilities at wastewater treatment plants; and
4. Public/Private partnerships.

The report is anticipated to be released in the next quarter. It will be a resource for municipalities, districts and clean energy developers that are considering anaerobic digestion as a clean energy option. Significant progress has been made in evaluating the technical and financial feasibility of expanding anaerobic digestion at seven wastewater facilities in Massachusetts. As a result of MassCEC's Organic to Energy financial assistance grant program, four wastewater facilities have been approved to conduct feasibility studies. Also, three additional facilities have submitted proposals to MassCEC for feasibility study work, and those proposals are currently under review.

Evaluating Opportunities and Technology Applications for In-Line (Conduit) Projects

In September 2012, MassDEP issued its Request for Response (RFR) on Comm-Pass to hire a qualified consultant to explore opportunities for in-line hydropower energy generation within the water infrastructure of Massachusetts. This project will provide a review of technologies, evaluate the statewide potential for in-line hydropower application in Massachusetts, and develop a screening tool for MassDEP and water and wastewater facilities. Consultant responses were due during the next quarter. An interagency review panel will be used to evaluate all proposals and award a contract, with an anticipated project start date in January 2013.

Anaerobic Digestion/Organics Diversion/Combined Heat and Power

MassDEP continues to work closely with its state partners through the Massachusetts Organics Task Force and other forums to tackle regulatory, technical and financial barriers to diverting source-separated organics and siting anaerobic digestion projects. During this reporting period, MassDEP continued its efforts to develop an organics collection infrastructure that could provide the necessary feedstock for energy production through anaerobic digestion.

Regulatory Streamlining

During this third reporting period, MassDEP reviewed the public comments and developed the final regulation package that was submitted to A&F and the Governor's Office on September 25, 2012. Approval to promulgate the final regulation is expected next quarter. These changes will establish clear permit pathways for anaerobic digestion facilities, as well as facilities that recycle and compost material that has been separated from the solid waste stream.

Creation of Framework/Infrastructure for Increased Organics Diversion

MassDEP continued to work towards implementation of key components of the Organics Action Plan that was developed in spring 2012 in collaboration with the Organics Subcommittee. MassDEP is using its Organics Subcommittee to assist in the development of the regulatory framework for implementing a ban on the disposal of organic materials in landfills and incinerators in Massachusetts.

MassDEP met with subcommittee members three times during the reporting period and plans on meeting monthly through December 2012. A draft regulatory framework has been developed with input from the Subcommittee, which outlines elements of a ban on larger generators on the disposal of organics. MassDEP plans on using this framework to develop a draft regulatory package that reflects the proposed framework by the first quarter of 2013. In conjunction with this effort, MassDEP is making several presentations over the course of the next three months to various organizations seeking input on the framework and further refinement for the regulatory package.

After assessing organics potential at state facilities in the spring, MassDEP has developed and initiated an effort over the past quarter to provide the technical assistance needed to help these facilities start diverting organic materials. MassDEP will seek to assist in the establishment of organics diversion programs where none exist and enhance the performance of existing programs.

Financial Incentive Programs

MassDEP received nearly \$1 million in grant requests to advance organics diversion and processing through its Sustainable Materials Recovery Program. These requests included the development of organics processing capacity and the piloting of commercial organics collection efforts. Awards are anticipated in the next quarter.

The RecyclingWorks in Massachusetts Program continues to provide technical assistance for food waste diversion to businesses and institutional entities with a renewed effort to get those few remaining supermarkets to begin diverting organics. In addition, RecyclingWorks has begun to develop relationships with hotels and larger hospitality operations that generate significant amounts of food waste. RecyclingWorks has also initiated a project to work with the Massachusetts Health Officers Association and solid waste haulers to develop guidance on best management practices for storing and collecting organics. This guidance will provide health officials with information on how best to establish storage and collection requirements in their communities to reduce any impacts.

Siting of Anaerobic Digestion

During this reporting period, MassDEP continued to make progress in advancing the siting of anaerobic digesters. MassDEP met the Massachusetts Department of Corrections to discuss three properties that could potentially house an anaerobic digestion operation. Discussions began with community representatives to explain the projects and garner support.

MassDEP has collaborated with the MassCEC to develop a Request for Proposals to identify a consultant to assist in the assessment of small scale anaerobic digestion systems. MassDEP worked with MassCEC and the Department of Agricultural Resources to develop the scope of the project. Consultants interested in conducting the work are being asked to respond during the next quarter. The project will assess a variety of small-scale anaerobic digestion systems that are commercially available and may have application in a variety of Massachusetts settings, including small farms, larger institutions and municipal solid waste management sites.

Environmentally Challenged Property

MassDEP continues to bolster its efforts to encourage new clean and efficient sources of energy at environmentally challenged property. During this reporting period, MassDEP provided technical assistance to 32 landfill, brownfield, and Superfund projects this quarter that (once operational) will have the potential for 45 megawatts of clean energy production.

Clean Energy at Closed Landfills and Contaminated Land

This quarter, MassDEP permitted nine additional closed landfill projects with potential for more than 20 megawatts of clean energy production. This brought the total MassDEP permitted projects to more than 70 megawatts (exceeding the 50 megawatt goal set for environmentally challenged property under the program). By the end of the quarter, renewable energy projects at six closed landfills were generating more than 13 megawatts of electricity (five photovoltaic [PV] projects and two wind turbines). Another 3.6 megawatts was under construction at two additional landfills (both PV projects).

MassDEP also advanced 11 clean energy projects proposed on brownfields, federal Superfund sites, and other contaminated land that (once operational) will have potential for more than 17 megawatts of clean energy production. That includes work done on the Baird McGuire Superfund green remediation project in Holbrook and ongoing assistance to the now 4.9-megawatt solar PV project at the Shaffer Landfill at the Iron Horse Park Superfund site in Billerica.

Green Remediation

MassDEP continues to evaluate the financial and technical feasibility of state-led “green remediation” at the Baird McGuire Superfund site. A study done last quarter made favorable recommendations for the implementation of solar PV to off-set costs and emissions associated with the energy-intensive groundwater pump-and-treat system at the site. MassDEP’s decision to move forward with use of solar PV depends on whether MassDEP continues operation of the current pump treat system for an indefinite period of time (versus other proposed alternatives).

Significant steps were taken this quarter to promote the use of green remediation at state regulated contaminated sites. MassDEP hosted its first quarterly “Green Remediation” workgroup with the Licensed Site Professional (LSP) community. The LSP community plays a central role in shaping and driving the application of Green Remediation. In Massachusetts, LSPs are the key decision-makers in selecting and implementing remedial systems at contaminated sites, and communicating benefits of clean and efficient technologies to clients. The Green Remediation Workgroup was established to foster a mutual goal of promoting green remediation across the hazardous waste site cleanup profession.

Extensive, Targeted Outreach

On July 26, MassDEP, DOER, and the Environmental Business Council of New England held a third conference on developing renewable energy facilities at closed landfills. The conference was attended

by more than 100 municipal officials, solid waste consultants, and renewable energy developers. The agenda was based on the planning process established in DOER's recently issued guidance for developing PV on closed landfills (issued in April 2012). It included case studies of successful projects in Easthampton (PV) and Kingston (wind), workshops, and opportunities to talk directly with state permit writers, utility representatives, financing specialists, and other experts. It also included a lively discussion with a panel of municipal officials who have developed projects that are generating electricity or are far along in the planning/development process. The conference received very positive evaluations from attendees, and officials from several municipalities that attended have contacted MassDEP since the conference to set up pre-permit application meetings.

This quarter, MassDEP continued its extensive outreach and training efforts with the Licensed Site Professional Association (LSPA). Specific focus of workshop and training opportunities will be on renewable energy siting opportunities and issues associated with contaminated land, as well as green remediation elements and implementation. MassDEP is also coordinating with EPA on these opportunities as they relate to its oversight role of Superfund cleanups. MassDEP's Bureau of Waste Site Cleanup and the Clean Energy Director were invited to attend the September 2012 LSPA membership meeting where an introduction to MassDEP's upcoming priorities and initiatives are annually presented. At this meeting, "Clean Energy Opportunities and the LSP Practice" was the advertised topic. The meeting was heavily attended.

Clean Energy at Other MassDEP Regulated Sites

MassDEP made substantial progress promoting clean energy and energy efficiency in several other key program areas during this reporting period.

Other Regulatory Revisions

As reported last quarter, MassDEP is supporting clean energy development by making changes to its existing regulations and writing new regulations that reflect the agency's increasing experience with these types of projects. As part of the agency's current regulatory reform effort, the following are examples of regulation changes that are being developed: The wetlands regulations (310 CMR 10.00) are being modified to create a new limited project status for renewable energy project installations that require access roads in wetlands resource areas, and the three sets of regulations pertaining to the Chapter 91 Public Waterfront Act (310 CMR 9.00), Water Quality Certification regulations (314 CMR 9.00), and the Wetlands Protection Act regulations (310 CMR 10.00) are all being modified to contain improved mechanisms for reviewing/approving the piloting or testing of new energy technologies. These draft regulations are currently being reviewed by the Governor's Office and Executive Office of Administration & Finance. MassDEP hopes to have proposed draft regulations for these changes out for public comment in the winter of 2012-13, and final regulations in place by the summer of 2013.

Ocean Management Plan

Since 2008, MassDEP has helped to establish the policy and regulatory framework for harnessing the potential of offshore energy development through its participation in interagency committees working on the Ocean Management Plan and its regulations. MassDEP is currently drafting changes to its own regulations (Wetlands Protection Act, Waterways and Water Quality Certification) to reflect the Ocean Management Plan. To support clean energy technology developers, these three sets of regulations will be revised to provide a more straightforward permitting process for the testing of new water-dependent renewable energy technologies in areas subject to the Ocean Management Plan.

Water Supply Land/Wetlands/Waterways

This quarter, 14 clean energy projects were assisted by MassDEP Wetlands and Waterways staff, including the review of four solar projects on public water supply land with potential for more than 15 megawatts of clean energy production. MassDEP also reviewed geothermal well applications for heating and cooling, and provided pre-permitting assistance to a project proponent proposing a low-impact, small-scale hydropower technology.

Clean Energy Support Teams

Technical Assistance

The Clean Energy Support Teams were very active this quarter providing project proponents and other parties with a range of MassDEP expertise on the environmental and regulatory aspects of siting clean energy projects. The Clean Energy Support Team leads are meeting monthly and share information on renewable energy projects and experiences in their region.

- The Southeast Region Team conducted pre-application review meetings with project proponents of solar projects at nine landfill sites and anaerobic digestion at one landfill.
- The Northeast Region Team provided pre-permit application assistance to project proponents of anaerobic digestion at three farms. They also provided assistance to three solar-on-landfill projects and one site located on wellhead protection land.
- The Western Region Team provided technical assistance and pre-permitting guidance to project proponents interested in solar projects at two landfill sites, anaerobic digestion at one site, and alternative fuel at one site.
- The Central Region Team provided technical assistance to project proponents interested in solar at six landfill sites, landfill gas-to-energy at three sites, and Combined Heat and Power (CHP) at one anaerobic digestion site.

For more information on projects assisted, please see Appendix C: Detailed Program Activities.

Outreach

CERP outreach continued this quarter with support teams sharing information and materials at forums and other venues throughout the state. MassDEP participated in the following meetings and forums to help further advance energy efficiency and renewable energy opportunities:

- Organics Subcommittee of MassDEP Solid Waste Advisory Committee (July, August and September 2012);
- Licensed Site Professional (LSP) Association Meeting (September 2012);
- Presentation on Clean Energy Results Program to MassDEP staff through the Commissioner's Summer Speakers Series (August 2012);
- Licensed Site Professional (LSP) Association Green Remediation Work Group (September 2012);
- New England Interstate Water Pollution Control Commission (2012);
- The Renewable Energy at Closed Landfills Workshop (July 2012); and
- Designing RFPs and Contracts that Promote Energy Improvements at Drinking Water and Wastewater Utilities work group with representatives from MassDEP, EPA and private waste water and drinking water operators (July 2012).

Outreach Materials

MassDEP prepared educational outreach materials to help the advancement of renewable energy projects and energy efficiency in the MassDEP regulated community. Some of the materials drafted this quarter include:

- A power point presentation on Industrial Energy Efficiency; Opportunities, Assistance, and Partnerships;
- Press Release for Groveland Solar Project to create greater awareness of energy projects; and
- A draft report on Anaerobic Digestion at Wastewater Treatment Plants in Massachusetts: Current Capacity and Future Potential (to be finalized next quarter).

Potential Public Nuisance/Health Impacts from Wind Turbines

Independent Expert Science Panel Report

As previously reported, in January, 2012, the Independent Expert Science Panel (convened by MassDEP and the Massachusetts Department of Public Health [MDPH]) submitted its final report *Wind Turbines and Health Impacts* to the agencies. This 126-page report reflects the work of the seven-member panel of medical and scientific experts who were asked to review the scientific literature and information submitted by the public and to prepare the report, which began in July 2011. Approximately 500 sets of comments and numerous reports and other information were submitted during the comment period covering: the panel's assessment methodology and report content; the panel's findings and conclusions; detailed comments on noise measurement, alternative best practices; and recommended next steps.

During this quarter, MassDEP worked on the draft "Summary of Comments" document, comprised of testimony from the three public meetings and written comments and materials submitted during the January to March 2012 comment period. It will now be shared with MDPH and the Independent Expert Panel for their feedback. MassDEP has also prepared a draft "Summary of Responses to Comments" and it is undergoing review. When these documents are completed, they will be posted on MassDEP's web site.

Technical Assistance to Communities

MassDEP continues to provide technical assistance to municipalities and other partners to help interpret the agency's noise policy and applicable regulations. During this quarter, MassDEP regional staff worked with the Town of Kingston to develop an intake log to track complaints related to local wind turbines. MassDEP followed up on the compliance determination issued in May 2012 finding night-time sound levels from Falmouth's Wind #1 exceeding MassDEP regulations by conducting daytime sampling of combined Wind #1 and Wind #2. Preliminary results of the daytime sampling have not revealed any exceedences to date. MassDEP also responded to a letter from the Fairhaven Board of Health requesting that MassDEP perform a sound study related to the newly installed Fairhaven Wind LLC turbines. Night time sampling began in July 2012 and is expected to continue through the fall.

MassCEC Research Study on Wind Turbine Acoustics

During this reporting period, MassDEP continued to assist MassCEC in development of a scope and methodology for an acoustic monitoring study of operating turbines. This study will measure the level and quality of sound emissions from operating wind turbine projects in Massachusetts to increase data and information on the sound impact of wind turbines, taking into account the influence of different variables. The study will also provide a quantitative basis for testing and validating pre- and post-construction noise evaluation methodologies. The study RFP was released on September 4, 2012 and bids were accepted during the next quarter. Contractor selection and a Technical Advisory Group will be undertaken in the next reporting period.

PROGRAM DEVELOPMENT ACHIEVEMENTS

During this third reporting period, MassDEP continued to expand its efforts under the Clean Energy Results Program. The high-level management team (consisting of senior officials from DOER, MassCEC, and MassDEP) continued to meet twice a month to ensure that agency clean energy work across the three agencies is fully aligned.

Staffing & Program Activities

MassDEP continues to engage existing agency staff in its Boston and regional offices on tasks necessary to accomplish key activities and goals identified under the Clean Energy Results Program. The 16 Clean Energy Points of Contact and the Clean Energy Director have continued to work with MassDEP staff to expand program activities, implement action plans, and track and report progress.

Database

MassDEP, DOER, and the Executive Office of Energy and Environmental Affairs (EEA) Information Technology division advanced the development of the new MassDEP-DOER Clean Energy Results Database this quarter. The new database will eliminate the need for three different databases and spreadsheets to track information from MassDEP and DOER agency programs. It will enable streamlined inter-agency sharing of information on activities and outcomes that will save significant staff resources (and paper/electronic resources) that were previously required to manage separate databases. It also ensures that information being tracked and communicated by MassDEP and DOER is consistent across programs and agencies.

The CERP database went into “production” in early August. There were CERP trainings at both DOER and MassDEP for read/write users in preparation for release to production around at the end of July. MassDEP and DOER staff began work on an extensive User Guide for agency staff.

Mapping

During this quarter, the newly formed DOER-MassDEP-MassCEC Geographic Information System (GIS) “subgroup” met to further explore the use of GIS as a spatial planning tool for the siting of clean energy technology. MassDEP secured draft building footprint data from MassGIS and performed proof-of-concept analysis for a couple of siting tools in preparation of MassCEC developing a Request for Qualifications for a pilot project. MassDEP performed the geo-processing to convert the database of organic waste production into a map of organic waste production density and produced 3D graphics for visualizing the potential markets. MassDEP provided consultations regarding the path and scope of that pilot. Updates were made to the clean energy maps produced last quarter.



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