



Helping Communities Prepare for Climate Change

Community Clean Energy Resiliency Initiative

Amy McGuire

July 15, 2014

Climate Preparedness – Top EEA Priority

“We need to do more to address the extreme threats from climate change...We must properly assess the risks and vulnerabilities, plan for them and ensure our emergency services have the ability to keep our residents safe. And we must take action to protect our natural habitats to maintain healthy communities.”

Governor Deval Patrick
July 24th, 2013



(Photo: Eric Haynes/Governor's Office)

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Coordinated Climate Preparedness Initiatives

- **EEA with NEPGA** – Identifying resiliency efforts at generation facilities
- **DPU** – Grid modernization
- **CZM, \$10M** – Coastal infrastructure projects
- **DCR with MassDOT, \$2M** – Assessing transportation vulnerability
- **DOER with Governor’s Military Task Force** – Evaluating clean energy opportunities at military bases
- **DOER, \$40M** – Community Clean Energy Resiliency Initiative



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Community Clean Energy Resiliency Initiative

- \$40 million municipal grant program
- Energy resiliency at critical facilities using clean energy technology
- All Massachusetts municipalities are eligible
- Applications available for Technical Assistance or Project Implementation



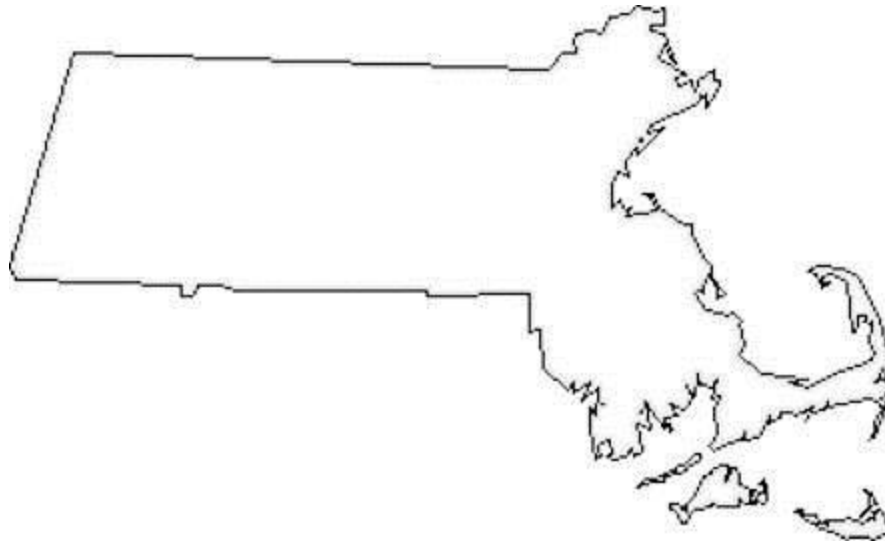
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Eligible Applicants

All Massachusetts municipalities are eligible:

- Single municipality
- Joint applications by multiple municipalities
- Regional Planning Agencies
- Regional districts (water, sewer, school, etc)
- Public/private partnerships



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Eligible Critical Facilities

Critical facilities = *“buildings or structures where loss of electrical service would result in disruption of a critical public safety life sustaining function”*



Critical facilities may include:

1. Life safety resources
2. Lifeline resources
3. Community resources

Eligible Clean Energy Technologies

- Clean energy generation
- Energy storage
- Energy management systems
- Technology used for DG operation in island mode
- Single building facilities or microgrids



Application Types: Technical Assistance

Technical Assistance (TA) Application

- Available at no cost to awarded applicants
- Expecting to offer between 40 and 80 awards
- Consulting team will provide these services
- Awarded applicants have the opportunity to use the resulting plan to apply for a follow-up round of project implementation funding.

Application Types: Project Implementation

Project Implementation (PI) Applications

- Specific project threshold criteria
- Projects may be retrofit or new install
- Sited at:
 - A single facility,
 - at multiple isolated facilities or
 - among a network of connected facilities.

Funding Guidelines

The highlights:

- Fully utilize and account for other available resources
- Minimum 10% cost share
- Up to \$20 million in the first round
- Remaining \$20 million available in the second round to:
 - Follow-on round TA applicants (moving to PI Applications)
 - Un-funded first round PI Application projects

Sample Projects

1. Single facility, electrical: A municipal fire house
2. Single facility, thermal: School serving as community shelter during an emergency
3. Multiple facilities: Waste water treatment plant (WWTP) and a municipal police station
4. Microgrid: Health services and shelter microgrid project



PHOTO: SCOTT OLSON/GETTY IMAGES



Questions?



Thank you

Amy McGuire

Massachusetts Department of Energy Resources
100 Cambridge Street, Suite 1020, Boston, MA 02114
617.626.7380

Amy.McGuire@State.MA.US

<http://www.mass.gov/eea/energy-utilities-clean-tech/renewable-energy/resiliency-initiative.html>

Additional Information

Program Timeline – TA Application

DOER issues PON	May 15, 2014
DOER begins to review TA Applications (DOER will review on a rolling basis through final TA deadline)	June 16, 2014
Deadline for submitting TA Application questions	June 30, 2014
DOER begins TA Application awards	June 30, 2014
FINAL TA APPLICATION DEADLINE	July 15, 2014
Final TA Application awards announced (subject to change)	August 15, 2014
FINAL ROUND 2 PI APPLICATION DEADLINE	October 15, 2014
Final Round 2 PI Application awards announced (subject to change)	November 15, 2014



Program Timeline – PI Application

DOER issues PON	May 15, 2014
Deadline for submitting PI Application questions	July 7, 2014
FINAL ROUND 1 PI APPLICATION DEADLINE	July 15, 2014
Round 1 PI Application awards announced (subject to change)	August 15, 2014
FINAL ROUND 2 PI APPLICATION DEADLINE	October 15, 2014
Final Round 2 PI A awards announced (subject to change)	November 15, 2014

Evaluation Criteria



The highlights:

- Proposal content
- Project commitment
- Proposal finances
- Proposal technical details

Submission

- Incomplete applications will not be accepted.
- Submit via email to Amy McGuire at Amy.McGuire@state.ma.us.
- This application information is available at: www.commBuys.com as PON-ENE-2014-035 and PON-ENE-2014-036.