

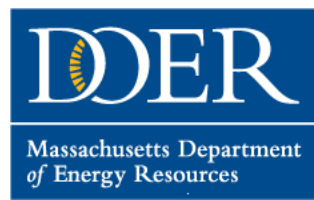
Affordable Access to Clean and Efficient Energy Initiative (AACEE): Update



MAY, 2017

AACEE Initiative

- Goal: Increase access to clean energy and energy efficiency for low and moderate income residents
- Feb, 2016: Kicked off by Governor Baker - initiated an inter-secretariat working group
- Apr, 2017: Governor Baker announced final report with recommendations, \$15 million for programs to support goal



AACEE Working Group

- Goal: Identify key barriers and program/policy recommendations to increase access to clean energy for low & moderate income residents
- Steering Committee co-led by Energy and Housing Agencies
- 30 Stakeholders representing various interests
- 5 stakeholder meetings, April through August 2016
- Final Report outlines recommendations
- Ongoing collaboration to advance recommended actions

State Agencies

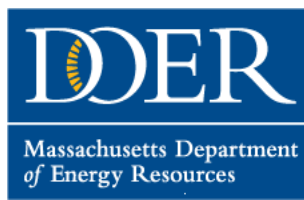
- Massachusetts Department of Energy Resources
- Massachusetts Department of Housing and Community Development

Public and Quasi-Public State Organizations

- Community Economic Development Assistance Corporation (CEDAC)
- Massachusetts Clean Energy Center (MassCEC)
- MassHousing
- Mass Housing Partnership
- Metropolitan Area Planning Council (MAPC)

Private Stakeholders

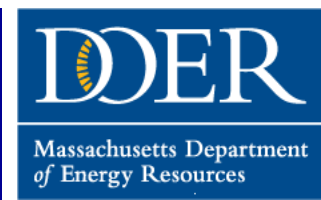
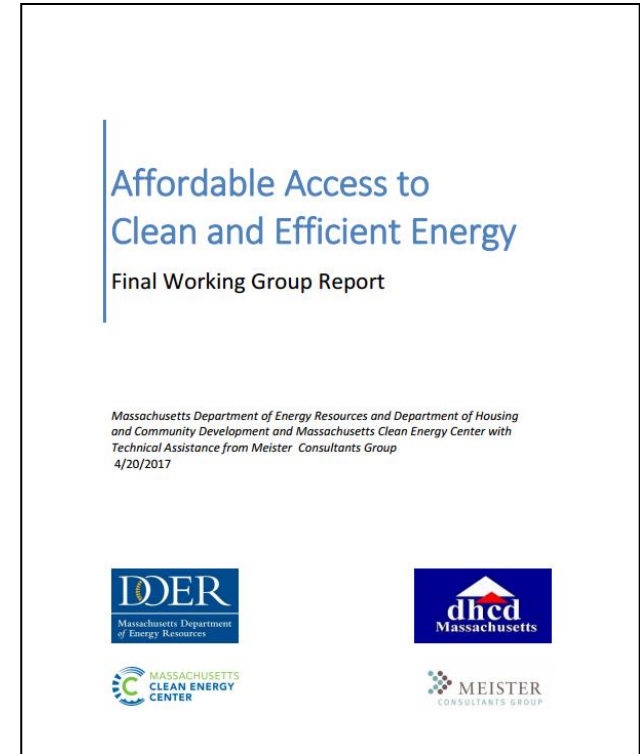
- Boston Community Capital (BCC)
- Center for Sustainable Energy (CSE)
- Co-Op Power
- Energy Efficiency Program Administrators (PAs)
- Habitat for Humanity: Cape Cod
- Homeowner's Rehab, Inc. (HRI)
- Local Initiatives Support Corporation (LISC)
- Low Income Energy Assistance Network (LEAN)
- New Ecology (NEI)
- Preservation of Affordable Housing (POAH)
- Worcester Green Low Income Housing



Recommendations

32 Specific recommendations in final report

- Area 1: Maximize Clean Energy Opportunities at Key Times in the Affordable Housing Capital Cycle by Aligning Housing and Clean Energy Processes and Data
- Area 2: Support and Strengthen Clean Energy Market Growth and Demand in the Low and Moderate Income (LMI) Developer and Homeowner Community
- Area 3: Target and Structure Clean Energy Programs and Incentives to Better Serve Low and Moderate Income Residents



DOER's New Affordable Access Programs (\$10 million)

Green Communities – Affordable Access Regional Coordination (AARC) Grant Program, \$800,000

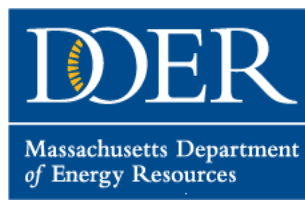
- Technical assistance and capacity building to local organizations for community-based programs to access existing clean energy incentives
- Builds capacity at local and community levels for continued access to clean energy programs and informs goals for Green Communities program development

Renewable Thermal in Public Housing Interagency Services Agreement with Dept of Housing & Community Development (DHCD), \$1.5 million

- Increase capital funding to state-owned public housing administered by DHCD for renewable thermal technologies and provides technical assistance to housing authority directors.
- Provides operational cost savings to state housing for lowest-income Massachusetts residents

Affordable Clean Residential Energy (ACRE) Challenge, \$3 million

- Grants through MassClean Energy Center (CEC) and DOER to develop replicable delivery models for renewable heating and solar PV in low income single family homes
- Model could be replicated by communities to overcome barriers to program delivery in low income populations, including customer identification and outreach



DOER New Affordable Access Programs, cont'

Whole Building Opportunity Funding, RFI, up to \$4 million

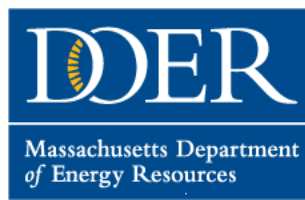
- Funding to subsidized housing projects that have identified energy cost savings through whole building comprehensive energy audits
 - Builds on Low Income Energy Challenge audit results
- Utilize project data from program to create permanent financing models
 - Enable underwriting of EE and RE measures by housing finance agencies and
 - Inform future EE program design and incentives

Community Shared Solar Demonstration Project, up to \$300,000

- Grant funding for pilot project to demonstrate new solar incentive for increasing solar PV access in low income rental community (coordinated with new SMART solar program)

Zero Energy Manufactured Homes Grant, \$1 million

- Proof of concept grant to replace low quality energy-wasteful manufactured homes, primarily found in rural communities, with zero energy modular homes
- Extends EE and renewable energy to very low income residents in manufactured homes which are ineligible for our current programs because of poor construction quality and health impacts
- Could use pilot to investigate use of federal USDA Rural Development Direct Loan funding for future zero energy manufactured home market growth



Currently Operating Programs – \$5 million

Renewable Thermal for Homes on Fuel Assistance (\$1.4 million)

- Provides secondary renewable heating source for those homes utilizing LIHEAP in areas without natural gas distribution
- Targets those most in need that are without opportunity for cheaper natural gas; creates local knowledge of renewable thermal technologies and installation

Low Income Clean Energy Challenge (\$2 million)

- Four grants that increase access to clean energy including whole building energy audits, technology optimization, innovative solar PV financing, and renewable thermal in low income homes
- Identified key low income barriers to clean energy; demonstrates replicable models; and addresses whole building challenges

Clean Heating and Cooling Rebate Adders for Low and Moderate Income (\$1.6 million)

- Increased adders for MassCEC's residential Clean Heating and Cooling program with additional funding for income-qualified residents
- Expanded existing and successful MassCEC program to low and moderate residents

