



*Creating A Greener Energy Future For the Commonwealth*

# MA State Programs and Policies

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## Global Warming Solutions Act

- Signed August 2008
- Targets reduction of greenhouse emissions of 80% from 1990 levels by 2050
- Shorter term target of 10%-25% by 2020

[http://www.mass.gov/dep/air/climate/gwsa\\_docs.htm](http://www.mass.gov/dep/air/climate/gwsa_docs.htm)

## Green Communities Act

- RPS improvements and expansion
  - Enables creation of DG carve out for solar (up to 2MW)
  - Solar Carve out or S-REC under design by DOER
  - Public process for designing program soon
  - Similar programs available in New Jersey and Colorado
- Utility Ownership of solar PV
  - up to 50MW for each utility
  - Requires DPU approval of plans
- Net-metering
- Green Communities Program

# Net Metering

- Eligibility
  - Promotes renewable generation on-site wind, and solar up to 2 MW
  - Expanded from current 60 kW eligibility
  - In effect until the pertinent utility reaches a cap of 1% of historical peak load
- Credits
  - Values are closer to a retail rate -- rather than wholesale generation
  - A customer earns a credit for the net export of kWh in a billing period (1 month)
  - Allows transfer of energy credits to other customers in same utility & load zone
  - Credits carry over from month-to-month if not transferred to other customers
- Currently Under DPU rulemaking process

# Net Metering Credits

Customers should apply the bill elements of the host site.

	Size of Facility
<u>Class I</u>	≤ 60 kW
<u>Class II</u>	> 60 kW; ≤ 1 MW*
<u>Class III</u>	> 1 MW; ≤ 2 MW*

\* For municipalities and government entities, size applies on a per-unit basis, rather than per facility.

<u>Credit Calculation</u>		<u>Units</u>	<u>Class I</u>	<u>Class I- Wind, PV, Ag.</u>	<u>Class II</u>	<u>Class III</u>	<u>Neighborhood Net Metering</u>
	Customer Charge	\$/month					
Delivery	Distribution Charge	¢/kWh		✓	✓	*	
	Transmission Charge	¢/kWh		✓	✓	✓	✓
	Transition Charge	¢/kWh		✓	✓	✓	✓
	System Benefit Charge						
	DSM (EE)	¢/kWh					
	RE	¢/kWh					
Supply	Basic Service	¢/kWh		✓	✓	✓	✓
Generation	Average Monthly Clearing Price at the ISO-NE	¢/kWh	✓				
* Only applies to class III municipalities and governmental entities							

## Procurement and Insurance

- Procurement
  - Must have a competitive solicitation
  - Municipal ownership and 3<sup>rd</sup> party PPA under chapter 25A
  - Utility ownership option – DOER will provide further guidance
- DG Insurance
  - 3<sup>rd</sup> Party, PPA model the owner is responsible
  - Under self ownership municipality must provide

# Green Communities Grant Program

- Provides up to \$10M annually in grants and loans to qualifying communities
  - Grants will fund significant energy efficiency initiatives, renewable energy, innovative projects
- Qualification Criteria
  - File an application
  - **Adopt as-of-right siting, in designated locations, for RE/AE generation, or RE/AE R&D, or RE/AE manufacturing**
  - Adopt expedited (12 month) application/permitting process
  - Establish an energy use baseline inventory with a program to reduce baseline by 20% in 5 years
  - Purchase only fuel-efficient vehicles
  - Require all new residential construction > 3000 ft<sup>2</sup>, and new commercial and industrial real estate construction to minimize life-cycle energy costs

## Green Communities Grant Program

- Funds allocated for Green Communities from RGGI auctions of 9/25 and 12/17
- Beginning rollout of program
  - RFI to municipalities – 120 Responses
  - RFR for consultants to provide tech assistance
    - Roll out of Technical Assistance Program early summer
  - Website, tools added over time:
    - Draft qualification criteria
    - Model as-of-right by-laws

## ARRA – Funding Opportunities for Municipalities

- Clean Renewable Energy Bonds (CREBs) – for energy production facilities (applications due August 4th to IRS)
- Energy Conservation Bonds - \$67M for MA – for wide range of activities to reduce greenhouse gas emissions
- Energy Efficiency Block Grants - \$400M competitive nationwide; awaiting guidance
- Energy Efficiency Block Grants – Formula
  - Municipalities > 35,000 (direct grants)
  - Municipalities < 35,000 (competitive grants)

# DOER EECBG Grant Programs

Grant Program	Program Budget	Eligible Municipalities	
		All 351	< 35,000
1. Competitive funding will be available for the following projects: <ul style="list-style-type: none"> <li>• Solar PV</li> <li>• Other Clean Energy Technologies</li> <li>• Performance Contract buy-down</li> <li>• Thermal efficiency measures in oil heated buildings only</li> </ul>	\$12,252,000		X
2. Provide DOER's Energy Information Reporting System	\$1,500,000	X	
3. Energy code training for all local building inspectors	\$1,000,000	X	
4. Technical Assistance for owners agents (renewable energy projects, retrofits, performance contracts)		X	

Thank you.

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[www.mass.gov/energy/greencommunities](http://www.mass.gov/energy/greencommunities)

[www.mass.gov/doer](http://www.mass.gov/doer)