

EXISTING TOOLS IN MASSACHUSETTS FOR MUNICIPAL-LEVEL CLEAN ENERGY PROJECTS

I. Massachusetts Technology Collaborative—Clean Energy Programs (www.mtpc.org)

A. *Clean Energy Choices Program* provides: (<http://www.cleanenergychoice.org>)

1. Funding for clean energy projects that benefit their communities and low-income citizens
2. Certification that participating renewable electricity suppliers meet high standards
3. Reduced costs for consumers who select tax-deductible renewable energy choices and itemize their federal tax deductions
4. Matching funds to communities already paying a small annual fee to the MTC Trust Fund (No MLP Communities)

B. *How is this amount determined?*

- Up to \$1 will go to consumer's community for renewable energy education materials or projects
- Up to \$1 also for low-income renewable energy and energy efficiency projects
- *An increase in "new" renewable energy purchases; therefore, implies an increase in both of the above matches*

C. *Special Bonus: MTC Bonus Matching Grant for cities/towns where 3% of households participate*

- *MTC Matching Funds to communities are proportional to the percentage of new Renewable Energy Certificates purchased*

- Each month, MTC lets the community know an estimated eligible amount of funds available. The Community can let the funds accumulate if necessary. Joint Projects with other neighboring communities are possible (allows for the pooling of funds together).

D. *Possible fundable Renewable Energy Projects:*

A. Renewable Electricity Generating Equipment

- Portable Solar Panels
- Solar lighting
- Solar-powered trash compactor

B. Educational Materials/Activities

- Clean energy books, publications, etc.
- Bus rental for visits to clean energy sites

C. Building Analysis

- Energy Modeling Study (includes cost/benefit analyses)

D. Leverage Towards Funding for another Renewable Energy Trust project

- e.g. Community Wind Collaborative project

E. *How will the matching funds benefiting low-income citizens be distributed?*

1. Every six months MTC will determine the amount
2. Then, MTC will issue an RFP seeking out organizations in the state to write proposals for the best method of benefiting low-income citizens through renewable energy projects
3. MTC will select the best proposal

II. MTC's Community Wind Collaborative (CWC) provides:

http://www.mtpc.org/renewableenergy/Community_Wind/index.htm

A. *Tools for Communities*

1. Wind Resource Maps provided by TrueWind Solutions
2. Wind Fact Sheets (Series produced by MTC and the Renewable Energy Research Laboratory of UMASS-Amherst)

B. Communities in Action

1. Boston – Feasibility Study for a renewable energy plant in Boston Harbor
2. Kingston – Permit for MET towers
3. Lenox – Educational forum; forming a renewable energy committee
4. Lynn – Recently chosen site for MET towers

C. CWC Process

1. Phase I: Project Conception/Identification of Site
2. Phase II: Wind Measurement and Monitoring
3. Phase III: Feasibility Analysis
4. Phase IV: Public Outreach
5. Phase V: Project Financing
6. Phase VI: Construction
7. Phase VII: Operation and Maintenance

III. MA Green Power Partnership

<http://www.mtpc.org/renewableenergy/mgpp.htm>

1. Supports projects that will generate close to 100 MW of new, renewable energy to MA/NE grid
2. Facilitates financing and construction of new renewable energy generating facilities

IV. Predevelopment Financing Initiative goals:

<http://www.mtpc.org/renewableenergy/predevelop.htm>

1. Stimulates development of renewable energy that will serve MA electricity markets

2. Reduce financial risks in early stages of development
3. Help MA public entities evaluate and undertake renewable energy development on public property

V. State Programs –Division of Energy Resources (DOER)

(<http://www.mass.gov/doer/>)

1. Rebuild Massachusetts
 - Community wide incorporation of resource efficiency by which cities and towns can integrate and manage a variety of locally defined energy initiatives
 - Partnership with MA Department of Housing and Community Development called the “Public Housing Energy Efficiency Project” (PHEEP)
2. Clean Cities Coalition (<http://www.eere.energy.gov/cleancities/index.html>)
 - Program that works to encourage the use of alternative fuel vehicles (AFVs) with the help of local businesses, organizations, and state/federal agencies
 - Provides: grant funding opportunities, discussion forums, information pool and vendor base, technical assistance, help with planning/implementing, and education/training.

VI. Generating and Distributing Green Energy Companies

1. McKenzie Bay International (<http://web.mckenziebay.com/>)
 - “Windstor” – vertical axis turbines – distributed generation systems
 - Generates and distributes at fixed, long term rates, directly to the consumer
 - Must utilize over 1 MW of electricity annually

2. RWE Schott Solar (www.ase-international.com)

- North America's largest manufacturer and distributor of solar power components and systems
- Design, manufacture, installation, and support of complete solar energy systems.
- RSS combines clear technical leadership in solar module manufacturing with extensive engineering abilities and dedicated customer service to create high performance photovoltaic systems for a wide variety of requirements.
- America's first grid-tied system
- RWE SCHOTT Solar offers the highest rated-power-to-actual-power-produced tolerance in the industry

3. Smart Building Products (www.smartbuildingproducts.com)

- Unique energy solutions to existing buildings
- Energy Reductions strategies and technologies
- SMP engineers analyze current system and develop energy savings solutions
- SMP can arrange for project financing utilizing the existing credit markets to properly leverage your existing utility budget

