



# Patrick-Murray Administration 2011 Clean Energy Year in Review



Massachusetts is investing in clean energy projects which are keeping energy dollars in the Commonwealth, helping to end our dependence on foreign energy sources, creating local clean energy jobs, and improving the environment for future generations.

In 2011, Massachusetts hit several major clean energy milestones...

#1 Ranking by the American Council for an Energy Efficient Economy (ACEEE)  
– overtaking California for the first time.



**Mass: #1**  
Massachusetts tops California as the top-ranking state in energy efficiency, according to ACEEE's 2011 Scorecard.



Opened MassCEC's **Wind Technology Testing Center** – the first facility in the US capable of testing large-scale wind turbine blades up to 90 meters in length.

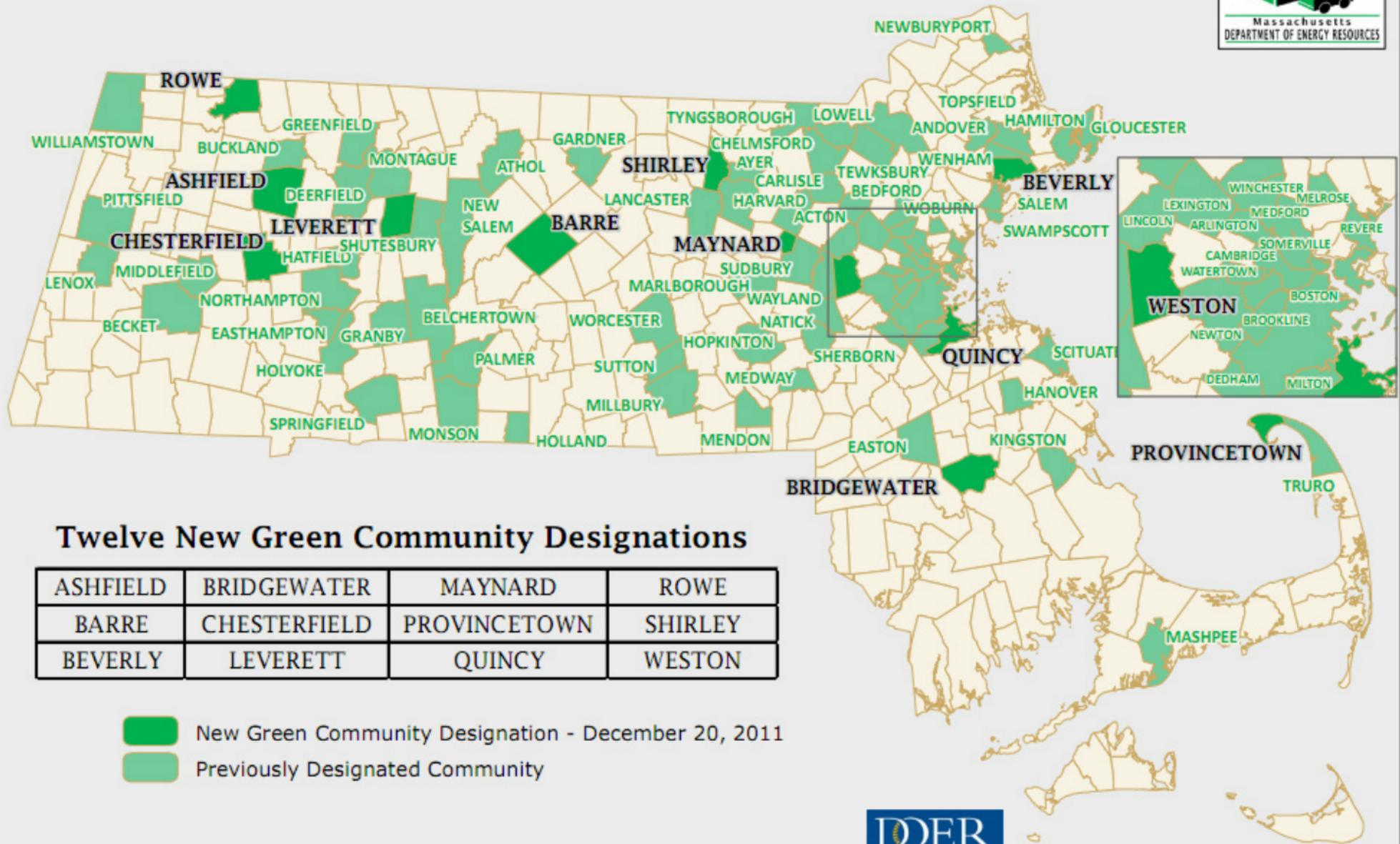


*JOIN THE INNOVATION REVOLUTION*



86 Municipalities  
designated as Green  
Communities.

# GREEN COMMUNITY DESIGNATIONS REACH EIGHTY-SIX

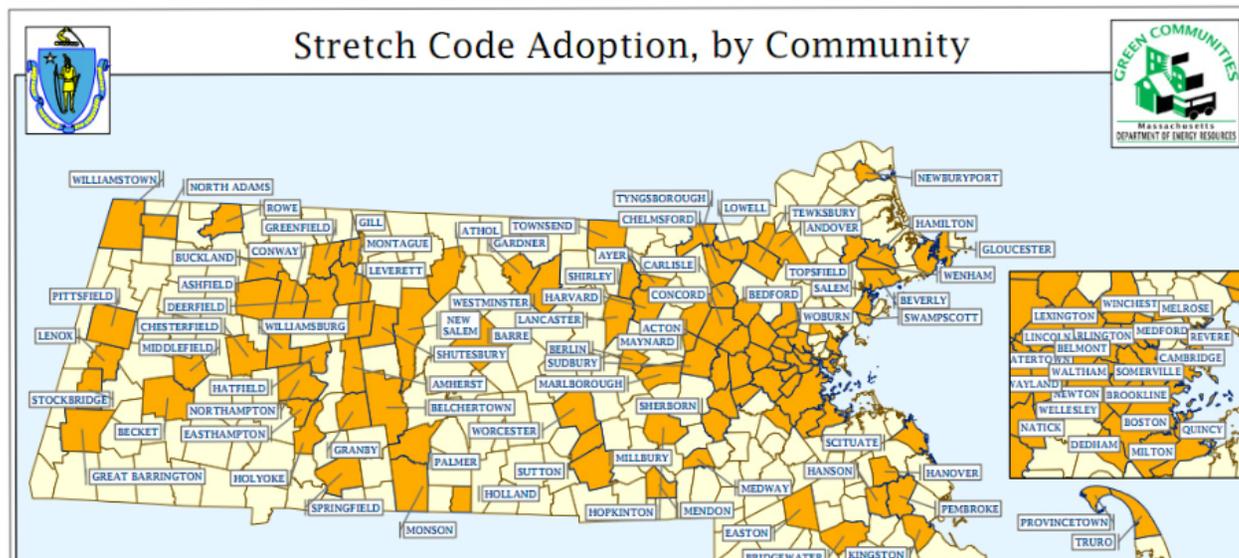


## Twelve New Green Community Designations

ASHFIELD	BRIDGEWATER	MAYNARD	ROWE
BARRE	CHESTERFIELD	PROVINCETOWN	SHIRLEY
BEVERLY	LEVERETT	QUINCY	WESTON

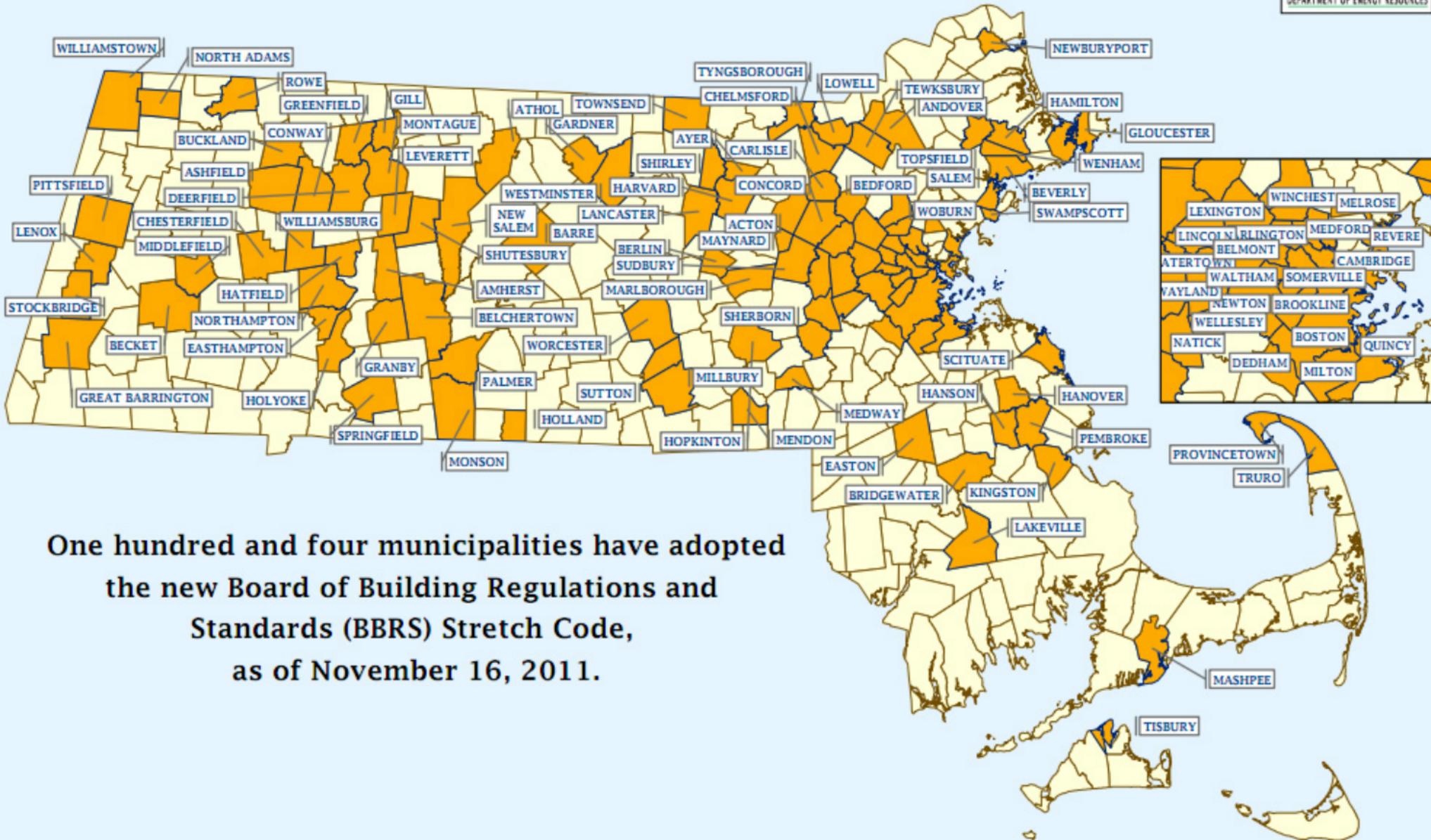
- New Green Community Designation - December 20, 2011
- Previously Designated Community

104 Massachusetts communities adopted the nation-leading energy efficiency building standard known as the 'stretch code'.



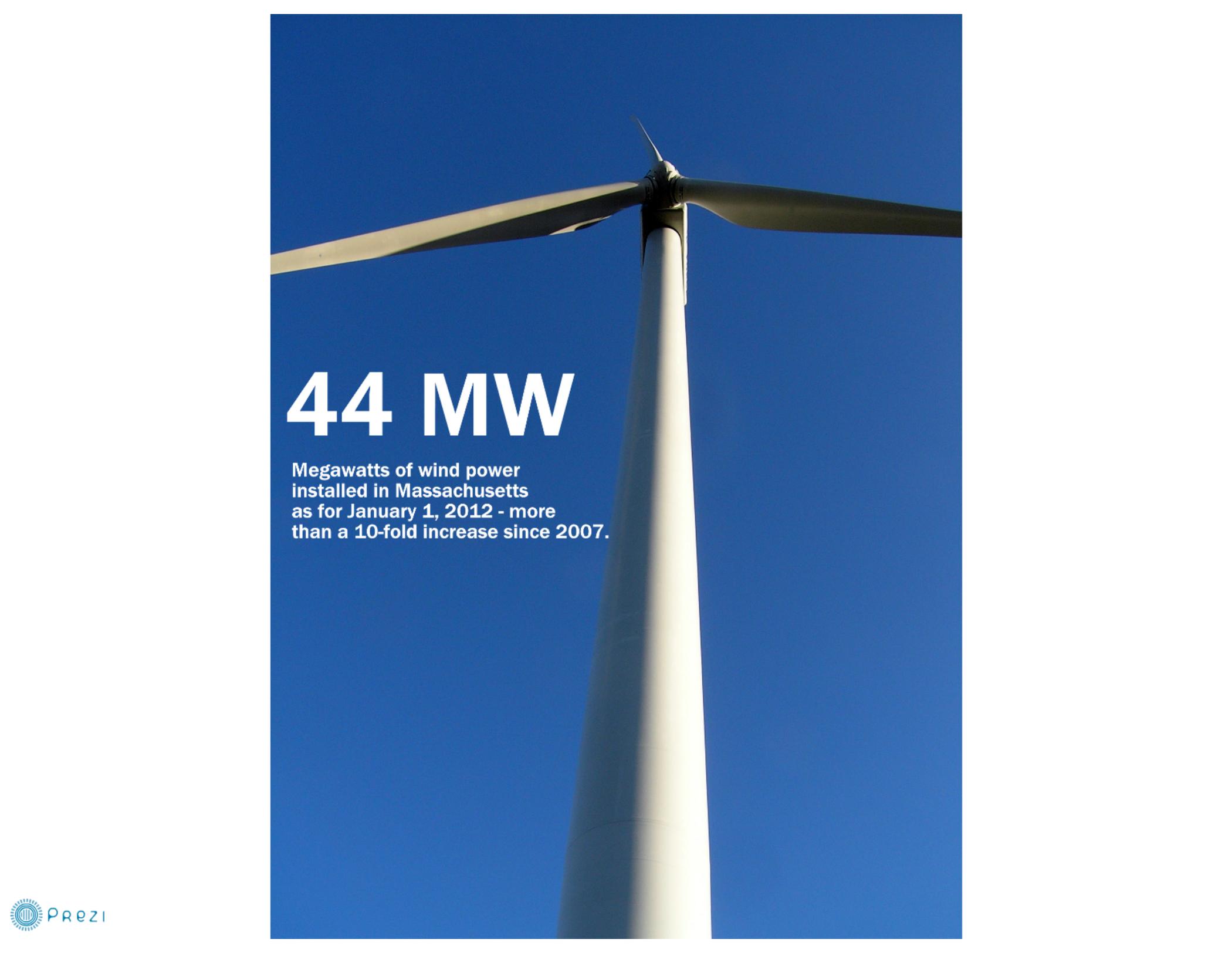


# Stretch Code Adoption, by Community



**One hundred and four municipalities have adopted the new Board of Building Regulations and Standards (BBRS) Stretch Code, as of November 16, 2011.**

Significant growth in  
renewable energy.



# 44 MW

Megawatts of wind power  
installed in Massachusetts  
as for January 1, 2012 - more  
than a 10-fold increase since 2007.

# 72 MW

Megawatts of solar power installed in Massachusetts as of January 1, 2012 - compared to just 3.5 MW installed in January 2007.

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



Mount Wachusett Community College dedicated two 1.65 MW wind turbines that will power nearly all of the college's electricity needs.

Cut the ribbon on Berkshire Wind,  
the state's first utility-scale  
land-based wind farm, which will  
produce enough electricity for  
6,000 homes annually.



Launched **ReBuild Western Massachusetts** – an \$8 million program to help residents rebuild from the June 1 tornado using energy efficient measures and renewable energy technologies.



Managed over \$70 million in federal stimulus funds including energy efficiency appliance rebates, energy management system installations, municipal clean energy grants, and large building energy efficiency renovations.



At the United Teen Equality Center in Lowell, federal stimulus funds were invested into **energy efficiency** – our best 'fuel' bargain by far which, for every \$1 invested, delivers \$3 worth of benefits over the life of the efficiency upgrade...



YouTube

Opened the first state-owned **zero net energy building** at North Shore Community College – which creates enough clean energy on-site to meet building needs – the second largest of its kind in the country.





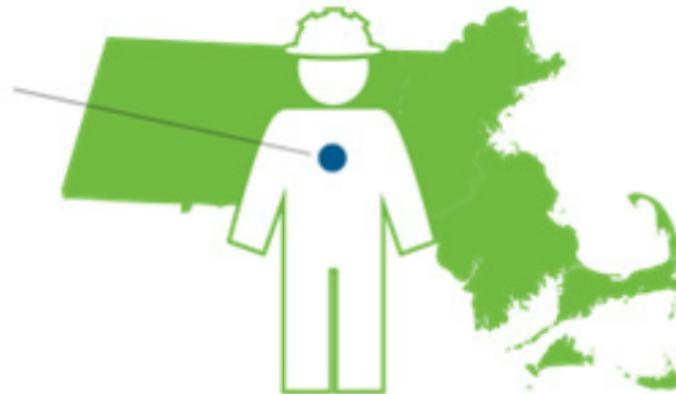
**North Shore Community College's Health and Student Services Building**



JOIN THE INNOVATION REVOLUTION

The Massachusetts Clean Energy Center published the **Clean Energy Industry Report** which found a vibrant and growing clean energy sector in the Commonwealth.

- 4,909 Clean Energy Firms
- 64,310 Clean Energy Workers
- Clean Energy workers in Massachusetts = 1.5% of all workers in the state



MassCEC's internship program placed 117 interns at 70 companies and provided stipends of up to \$15 hour for ten weeks.



*JOIN THE INNOVATION REVOLUTION*



Opened the largest solar array in a Massachusetts state park at the Department of Conservation's Chickatawbut Hill at the Blue Hills Reservation in Milton.

# 62,000

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

Number of kilowatt hours the stimulus-funded solar array on top of Chickatawbut Hill will produce each year, making it the largest solar array on a state park in Massachusetts.



Made significant advancements toward building the Commonwealth's **electric vehicle network** by awarding grants for 105 electric vehicle charging stations for 25 cities and towns.



Helped 162 residents or businesses contract to install solar photovoltaic (PV) systems through **Solarize Mass**. These residents will install a total of 829 kilowatts (kW) of solar in the pilot towns of Harvard, Hatfield, Winchester, and Scituate.



Together, we are helping  
Massachusetts win the clean  
energy future...



Patrick-Murray Administration 2011  
Clean Energy Year in Review



DER is pleased to announce that the Commonwealth has achieved a historic milestone by becoming the first state in the nation to...

Massachusetts has joined the American Clean Energy and Security Act (ACESA)...

the American Clean Energy and Security Act (ACESA) California first time.



...areas in a Massachusetts General Order to Discontinue Hill Reservation in Milton.

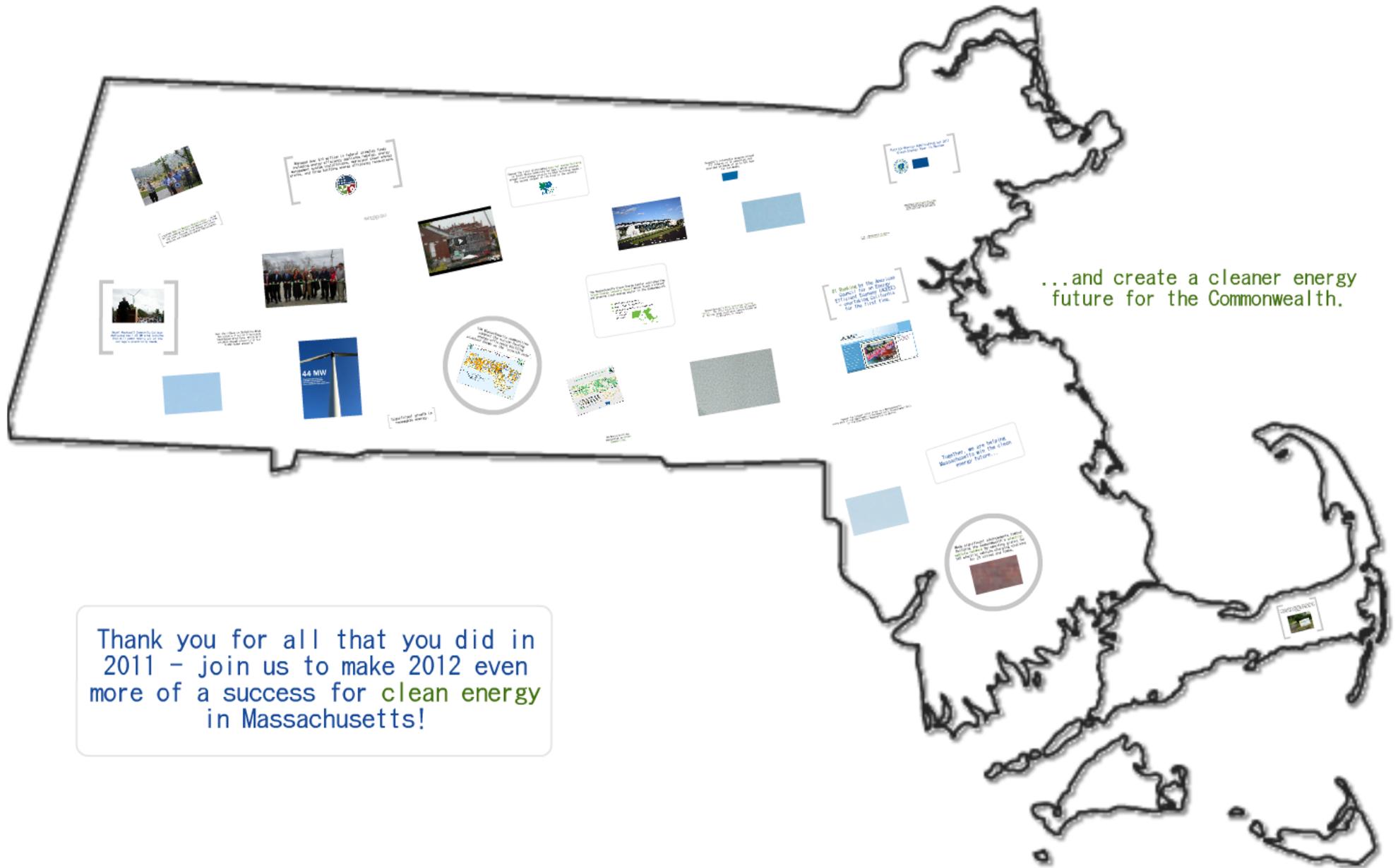
Together, we are helping Massachusetts win the clean energy future...

...and create a cleaner energy future for the Commonwealth.



Thank you for all that you did in  
2011 – join us to make 2012 even  
more of a success for clean energy  
in Massachusetts!

# 2011 Massachusetts Clean Energy Year in Review



...and create a cleaner energy future for the Commonwealth.

Thank you for all that you did in 2011 - join us to make 2012 even more of a success for clean energy in Massachusetts!