



Secretary Matthew Beaton

495/MetroWest Suburban Edge Community Commission

April 3, 2017



Clean Energy Legislation

“An Act Relative to Energy Diversity”

- **Governor Baker signed bi-partisan, comprehensive energy diversification legislation on August 8, 2016.**
- **Among other things, the legislation:**
 - Requires utilities to competitively solicit and contract for approximately 1,200 megawatts (MW) of clean, baseload hydroelectric generation;
 - Allows for the procurement of approximately 1,600MW of offshore wind generation;
 - Directs DOER to determine if an energy storage procurement target is prudent and, if so deemed, to set a target; and
 - Establishes definition for energy storage and clarifies that utility ownership of storage is permissible.



Clean Energy Legislation

“An Act Relative to Energy Diversity”- Hydro

- Utilities are required to competitively solicit and procure long term contracts for **approximately 1,200 MW of clean energy generation** – base load hydropower, onshore wind and solar supported by hydropower, standalone onshore wind, solar, or other Class I renewable resources.
- Independent Evaluator for 83C and 83D procurements hired
- The RFP is at the DPU for review
- Solicitations by April 1, 2017
- Contracts by December 31, 2022





Clean Energy Legislation

“An Act Relative to Energy Diversity” Offshore Wind

- Utilities are required to competitively solicit and procure long term contracts for **approximately 1,600 MW** of offshore wind.
- Solicit by June 30, 2017 and June 30, 2019
- Contract by June 30, 2027
- Individual solicitations of no less than 400MW





SMART – Solar Massachusetts Renewable Target

Governor Baker signed legislation in 2016 directing DOER to develop a new incentive program that creates a stable and equitable solar market at a reasonable cost to ratepayers.

4 Major Objectives of New Program

1. Cost Reductions for Ratepayers
2. Protect Land Conservation as Solar Deployment Grows
3. Develop an Additional Option for Solar Development when Net Metering Caps are Hit
4. Provide an Orderly Transition with Minimal Market Disruption

Robust Stakeholder Process to Develop Next Program

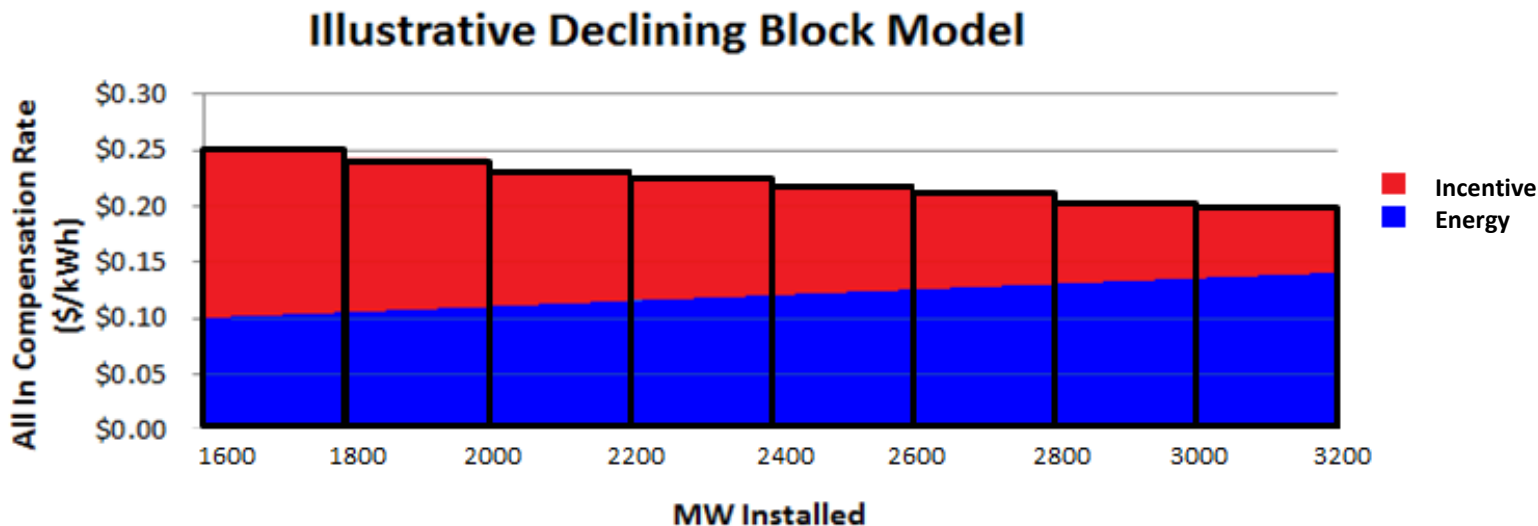
- Over 40 stakeholder meetings



SMART:

Solar Massachusetts Renewable Target Design Details

- **DOER released SMART – Solar Massachusetts Renewable Target – on January 31**
 - Declining block program
 - 1600 MW program with 8 x 200 MW blocks declining by 4%
 - Developer receives 10-20 year “all in” fixed price for **long-term financing predictability**
- Doubles the amount of solar for **half the cost to ratepayers**





Energy Storage Update

Storage Target

- On December 27, 2016, DOER determined that a storage target was prudent was the Commonwealth.
 - Requested additional stakeholder feedback on scale, structure and mechanism of a target
 - DOER is in the process of evaluating the received feedback
- DOER will adopted a target by July 1, 2017

Energy Storage Demonstrations RFP

- DOER and MassCEC released an RFP for demonstration projects in March.
- \$10 million in funding for projects - up to \$1.25 million per project.
- Responses due by June 9, 2017.
- DOER and MassCEC will be hosting an informational webinar on April 5th.



Green Communities



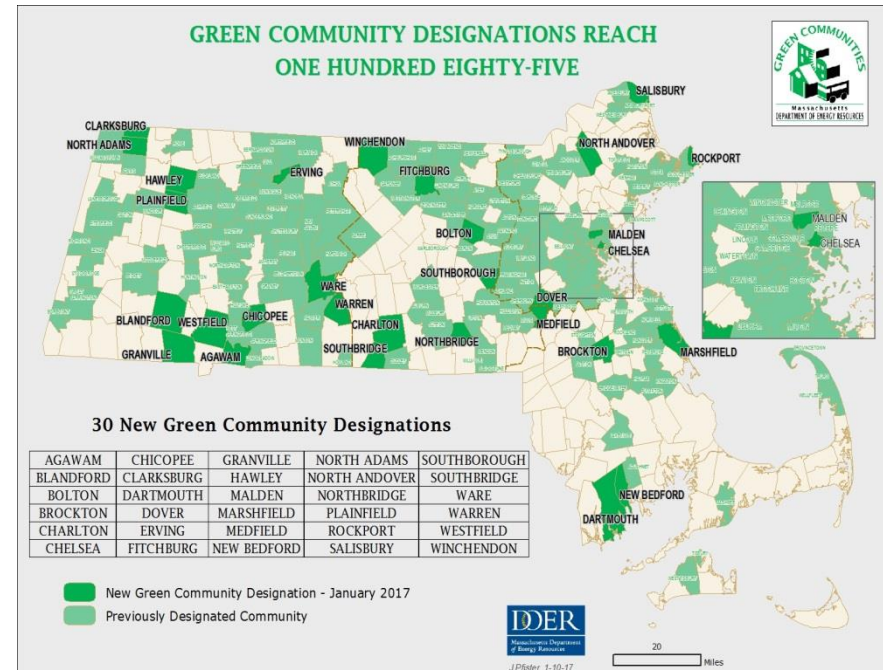
- 185 Green Communities Statewide
 - 64% of Massachusetts residents live in a Green Community
- Over \$65 million in grant funding since 2010 for clean energy projects

495 Green Communities

- 37 Green Communities:

Acton	Hopedale	Northborough
Ashland	Hopkinton	Plainville
Berlin	Hudson	Sherborn
Bellingham	Littleton	Shrewsbury
Bolton	Marlborough	Southborough
Boxborough	Maynard	Stow
Foxborough	Medfield	Sudbury
Framingham	Medway	Upton
Franklin	Milford	Wayland
Grafton	Millis	Westborough
Harvard	Natick	Westford
Holliston	Norfolk	Worcester
		Wrentham

- Over \$10.6 million in grant funding since 2010

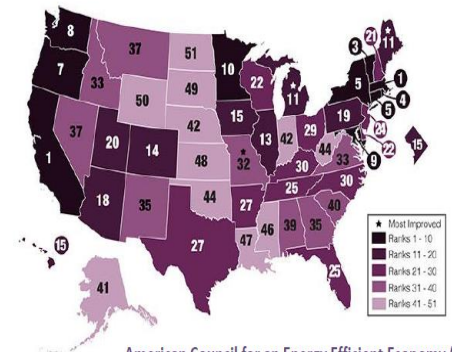




Massachusetts is a National Energy Efficiency Leader

- Ranked #1 by ACEEE for five years (2011-2015) for our energy efficiency programs and policies.
- All utility-run EE programs offered under Mass Save® brand
- 2013-2015 3YP exceeded goals
- 2016-2018 Plans have the most aggressive energy efficiency goals in U.S.
 - Electric savings: 2.94% annual reduction in retail sales
 - Gas savings: 1.24% annual reduction in retail sales
- Will deliver \$8 billion in economic, environmental and energy benefits
- 69,000 jobs and growing

Massachusetts Ranked #1 in
Energy Efficiency-6th Year in a Row
2010-2016



American Council for an Energy Efficient Economy (ACEEE)



Thank You!