

DCAMM

MAFMA



Massachusetts Facilities Management Association

ASSOCIATION OF MASSACHUSETTS FACILITIES MANAGEMENT MANAGER

MAFMA



**MAFMA**

**2015 Semi-Annual Meeting**

**WELCOME MEMBERS**

# MAFMA Fall Semi Annual

## Agenda November 5, 2015

**Message from DCAMM Commissioner, Carol W. Gladstone**

**Commencement MAFMA University/BOC Graduates**

**MAFMA Member of the Year Award**

**Capital Renewal/Deferred Maintenance Update**

**MAFMA University Update**

**CAMIS Update**

**Reading utility bills, Jeff Dill DCAMM**

**Leading by Example Update, Trey Gowdy, DOER**

**Coffee Funding Update, Ryan Harold DCAMM**

**Questions/ Comments**



# Message from Carol W. Gladstone, DCAMM Commissioner



# MAFMA University/BOC Training Congratulation Graduates

- |  |   |
|--|---|
| <b>Arnold, Dean (DCP)</b>                | <b>Meehan, Michael (DPH)</b>                |
| <b>Avelar-Flores, Wendy (DCP)</b>        | <b>Menyo, Kaitlyn (DCP)</b>                 |
| <b>Bowie, Robert (Mass State Police)</b> | <b>Montgomery, Doug (DMH)</b>               |
| <b>Charles, James (DCP)</b>              | <b>Morrissey, Maria (UMASS)</b>             |
| <b>Chibueze, Bon (DCP)</b>               | <b>Navarro, Richard (DMH)</b>               |
| <b>Cutler, Michael (UMM)</b>             | <b>Ostayan, Karnig (Middlesex Sherriff)</b> |
| <b>Dolan, Joseph (Mass DOT)</b>          | <b>O'Sullivan, Rory (DCP)</b>               |
| <b>Duros, Anthony (JUD)</b>              | <b>Parry, Keith (DCP)</b>                   |
| <b>Esquilin, Yarinette (DCP)</b>         | <b>Rennie, Don (DCP)</b>                    |
| <b>Ford, John (JUD)</b>                  | <b>Robbins, Kevin (UMASS)</b>               |
| <b>Kabalin, Marta (UML)</b>              | <b>Rowley, Rex (DCP)</b>                    |
| <b>Lyne, William (JUD)</b>               | <b>Sorrel, Aaron (DCP)</b>                  |
| <b>Marshall, George (JUD)</b>            | <b>Sousa, Eric (DOT)</b>                    |
| <b>McCain, Eric (DCP)</b>                | <b>Tatro, Robert (UMASS)</b>                |
| <b>McDonald, Darryl (JUD)</b>            | <b>Thatcher, David (JUD)</b>                |
| <b>McDonough, Dan (DCP)</b>              | <b>Valdes, Hector (UMASS)</b>               |

# MAFMA Member of the Year

- **Joseph Bradbury, Trial Courts**
- **Ronald Gauthier, DCAMM**
- **Leanne Peters, UMASS Lowell**
- **Donald Rennie, DCAMM**
- **Maureen Socha, Springfield Tech CC**

# Capital Renewal/Deferred Maintenance Update

- FY16 Evaluations complete
- \$39,000,000 initially approved
- Secretariat offices notified
- Transfers (ISA's) ongoing
- Many ISA's expire 6/30/16
- Quarterly reports due Dec. 1, 1915

# MAFMA University Update

Training Committee formed with goals including:

- Needs survey
- New curriculum
- New certificate programs
- Developing variety of training delivery opportunities

# CAMIS UPDATE

## CAMIS Update

Operations and Maintenance is moving forward

Focus is on migrating existing users to new system

DCAMM major sites complete

Working with UMass, Higher Ed, Corrections, Human Services, and Courts

Plan is to use New CAMIS for FY17 DM requests – stay tuned for intro and training (Early spring 2016)



## MAFMA Opportunity!!

Top DCAMM New CAMIS priority is Preventive Maintenance

Looking to establish a MAFMA committee to assist in setting standards

Types of Equipment

Level of Preventive Maintenance

Let Tom know if you're interested.

Expect monthly meetings/conference calls



# Reading Utility Bills

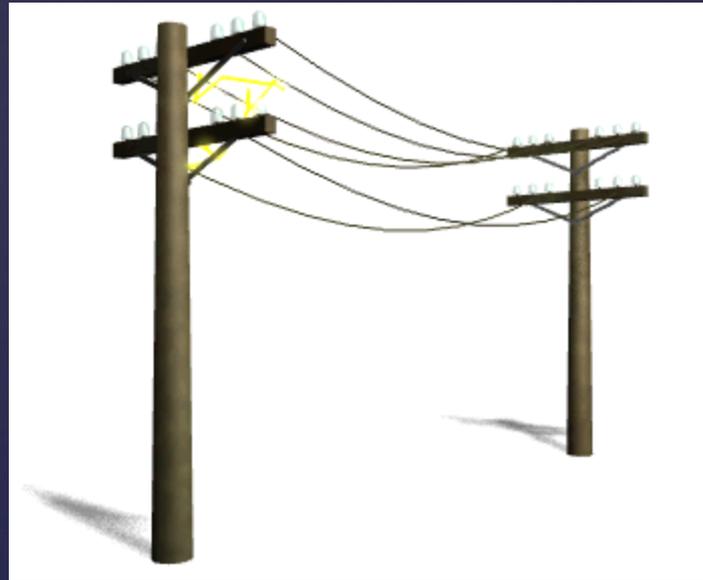
{ A Facility Managers View

Electricity bills are divided into two parts.

Transmission (Delivery) / **Supply**

Electricity transmission and supply can be procured through your Utility Company however in today's highly competitive Utility market it makes sense to look at a third party supplier. A long term fixed rate negotiated at the right time can stabilize your annual utility costs.

# Transmission



# EVERSOURCE

PO BOX 084881  
Dallas, TX 75286-0881

Account Number

12 7 0011842041 20 80 2617 400 1011 H

COM OF MA /MITC  
DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375



Electric

PLEASE PAY  
**\$118,420.41**

PAYMENT RECEIVED BY  
OCT 25, 2015 WILL  
APPEAR ON YOUR NEXT BILL

RETURN THIS PORTION WITH YOUR PAYMENT (MOVING? PLEASE LET US KNOW, OTHERWISE YOU MAY BE RESPONSIBLE FOR ENERGY USE AFTER YOU MOVE)

DIGGING? HITTING AN UNDERGROUND WIRE OR PIPE CAN BE DANGEROUS. THAT'S WHY STATE LAW REQUIRES YOU OR YOUR CONTRACTOR TO CALL DIG SAFE AT 811 OR 888-DIG-SAFE AT LEAST THREE BUSINESS DAYS PRIOR TO DIGGING. FOR MORE INFORMATION VISIT DIGSAFE.COM.

VISIT THE "SAFETY" SECTION OF EVERSOURCE.COM FOR MORE IMPORTANT SAFETY INFORMATION.

Account #



ACCOUNT NUMBER  
2617 400 1011

BILLING DATE  
SEP 29, 2015

NEXT READ DATE  
OCT 26, 2015

### SERVICE PROVIDED TO

COM OF MA /MITC  
200 ARLINGTON ST  
CHELSEA MA 02150

### ACCOUNT SUMMARY

PREVIOUS BILL	121,347.63
PAYMENTS - THANK YOU	-121,347.63
PRIOR BALANCE	0.00
CURRENT DELIVERY CHARGES	118,420.41
<b>DELIVERY SVCS BALANCE</b>	<b>\$118,420.41</b>

### ELECTRICITY USED

RATE 83-NEMA LG GENERAL-PRIMARY TOU  
METER 5106393  
SEP 28, 2015 ACTUAL READ 20704.7  
AUG 27, 2015 PREVIOUS READ 20361.5  
MULTIPLIED BY CONSTANT X 341.2  
32 DAY BILLED USE 2,456,640

### CURRENT ELECTRIC CHARGES

(SEE DETAIL PAGE) 118,420.41

CHARGES ARE SUBJECT TO 0.85% INTEREST  
AFTER 55 DAYS.

5106393	Peak	Off Peak	DMD
09/28	665,776	2,790,864	3,971.0
09/27	31,902	46,018	3,649.0
09/26	667,818	1,603,965	4,052.0
07/25	752,361	1,724,439	4,039.0
06/28	618,225	1,378,498	4,054.0
06/21	889,134	1,378,866	4,118.0
04/29	824,751	1,156,769	3,611.0
03/30	826,470	1,102,610	3,297.0
03/01	790,769	1,292,200	3,340.0
01/29	801,492	1,227,469	3,608.0
12/30	811,479	1,266,401	3,355.0
11/28	787,203	1,297,917	3,655.0
10/28	803,856	1,195,645	3,832.0
09/29	658,892	1,799,908	4,120.0

**EVERSOURCE**

PO BOX 084893  
Dallas, TX 75286-0893

Account Number

12 7 0011842041 20 80 2617 400 1011 H

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DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375



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RA 03-NEMA LG GENERAL-FR MARY YOU  
METER 5106393  
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AUG 27, 2015 PREVIOUS READ 20361.5  
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(SEE DETAIL PAGE) 118,420.41

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5106393	Peak	Off Peak	DMD
09/28	665,776	2,790,864	3,971.0
09/27	31,902	46,018	3,649.0
09/26	667,818	1,603,966	4,052.0
07/25	752,361	1,724,439	4,039.0
06/28	638,225	1,378,498	4,054.0
05/21	889,134	1,378,866	4,118.0
04/29	824,751	1,156,769	3,611.0
03/30	826,470	1,102,630	3,297.0
03/01	790,769	1,292,200	3,340.0
01/29	801,492	1,227,469	3,608.0
12/30	811,479	1,286,401	3,355.0
11/28	787,203	1,297,917	3,666.0
10/28	803,856	1,195,646	3,832.0
09/29	658,892	1,799,908	4,120.0

Meter #



# EVERSOURCE

PO BOX 08889  
Dallas, TX 75268-0369

Account Number

12 7 0011842041 20 80 2617 400 1011 H

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DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375

|||||

Electric

PLEASE PAY

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ACCOUNT NUMBER	BILLING DATE	NEXT READ DATE
2617 400 1011	SEP 29, 2015	OCT 26, 2015

### SERVICE PROVIDED TO

CON OF MA /MITC  
200 ARLINGTON ST  
CHELSEA MA 02150

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PAYMENTS - THANK YOU	-121,347.63
PRIOR BALANCE	0.00
CURRENT DELIVERY CHARGES	118,420.41
DELIVERY SVCS BALANCE	\$118,420.41

### ELECTRICITY USED

RATE BS-NEMA LG GENERAL-PRIMARY TOU  
METER-5486393

SEP 28, 2015 ACTUAL READ	20704.7
AUG 27, 2015 PREVIOUS READ	20363.5
	341.2
MULTIPLIED BY CONSTANT	X 7200
32 DAY BILLED USE	2,456,640

### CURRENT ELECTRIC CHARGES

(SEE DETAIL PAGE) 118,420.41

CHARGES ARE SUBJECT TO 0.85% INTEREST AFTER 55 DAYS.

510429X	Peak	Off Peak	DMD
05/25	645,776	1,170,864	3,971.0
06/27	31,902	46,018	3,649.0
06/26	647,815	1,605,945	4,052.0
07/28	752,251	1,726,439	4,039.0
06/28	618,225	1,378,698	4,036.0
06/21	889,134	1,378,866	4,118.0
04/29	884,751	1,155,969	3,611.0
03/20	826,470	1,102,610	3,297.0
03/01	790,760	1,292,200	3,340.0
01/29	801,491	1,227,469	3,508.0
12/30	811,679	1,286,401	3,355.0
11/28	787,203	1,297,917	3,666.0
10/28	805,955	1,145,645	3,823.0
09/29	698,892	1,799,908	4,124.0

PAGE 1 OF 2

EVERSOURCE

CUSTOMER SERVICE CENTER 800-592-2000

END BILLANCE PERFORMANCE PER 999 999

Actual or Estimate?



**EVERSOURCE**

PO BOX 084893  
Dallas, TX 75286-0893

Account Number

12 7 0011842041 20 80 2617 400 1011 H

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DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375



Electric

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2617 400 1011	SEP 29, 2015	OCT 26, 2015

SERVICE PROVIDED TO

COM OF MA /MITC  
200 ARLINGTON ST  
CHELSEA MA 02150

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<b>DELIVERY SVCS BALANCE</b>	<b>\$118,420.41</b>

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METER 5106393  
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AUG 27, 2015 PREVIOUS READ 20861.5  
MULTIPLIED BY CONSTANT X 7200  
**32 DAY BILLED USE 2,456,640**

CURRENT ELECTRIC CHARGES

(SEE DETAIL PAGE) 118,420.41

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5106393	Peak	Off Peak	DMD
09/28	665,776	2,790,864	3,971.0
09/27	31,902	46,018	3,649.0
09/26	667,818	1,603,965	4,052.0
07/25	752,351	1,724,439	4,039.0
06/28	638,225	1,378,498	4,054.0
06/21	889,134	1,378,856	4,118.0
06/15	824,751	1,155,769	3,611.0
05/30	826,470	1,102,430	3,297.0
05/01	790,769	1,292,200	3,540.0
01/29	801,492	1,227,469	3,608.0
12/30	811,479	1,286,401	3,355.0
11/28	787,203	1,297,917	3,555.0
10/28	803,856	1,195,645	3,832.0
09/29	658,892	1,799,908	4,120.0

Days in Billing Cycle



# EVERSOURCE

PO BOX 018891  
Dallas, TX 75268-0369

Account Number  
12 7 0011842041 20 80 2617 400 1011 H

CON OF MA /MITC  
DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375

|||||

Electric

PLEASE PAY  
**\$118,420.41**  
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ACCOUNT NUMBER BILLING DATE NEXT READ DATE  
2617 400 1011 SEP 29, 2015 OCT 26, 2015

### SERVICE PROVIDED TO

CON OF MA /MITC  
200 ARLINGTON ST  
CHELSEA MA 02150

### ACCOUNT SUMMARY

PREVIOUS BILL 121,347.63  
PAYMENTS - THANK YOU -121,347.63  
PRIOR BALANCE 0.00  
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DELIVERY SVCS BALANCE \$118,420.41

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AFTER 55 DAYS.

DATE	Book	Acc Book	END
07/28	645,776	1,790,864	3,971.0
08/27	22,700	16,020	3,644.0
09/26	647,815	1,605,945	4,052.0
07/28	750,251	1,726,439	4,039.0
06/28	618,225	1,378,498	4,034.0
06/21	889,134	1,378,866	4,110.0
04/29	884,751	1,155,969	3,611.0
03/20	826,470	1,102,410	3,297.0
03/01	790,760	1,092,200	3,340.0
01/29	801,491	1,227,449	3,408.0
12/30	811,679	1,206,401	3,355.0
11/28	787,205	1,297,917	3,666.0
10/28	889,134	1,199,845	3,699.0
09/29	698,692	1,799,908	4,124.0

Comparison to  
same time  
period for  
previous year

PAGE 1 OF 2

EVERSOURCE

CUSTOMER SERVICE CENTER 800-592-2000

END BILLING INFORMATION FOR THIS BILL

# DEMAND

Demand is a snapshot of peak usage during the billing period that is typically 15 minutes in duration.

# EVERSOURCE

PO BOX 084893  
Dallas, TX 75286-0893

Account Number

12 7 0011842041 20 80 2617 400 1011 H

COM OF MA /MITC  
DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375



Electric

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CHELSEA MA 02150

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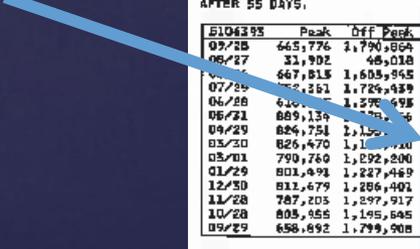
5106393	Peak	Off Peak	DMD
09/28	665,776	2,790,869	3,971.0
09/27	31,902	46,018	3,649.0
09/26	667,818	1,608,965	4,052.0
07/25	552,391	1,724,439	4,039.0
06/28	410,000	1,376,698	4,054.0
05/21	889,139	1,800,000	4,118.0
04/29	824,751	1,150,000	3,611.0
03/30	826,470	1,110,000	3,297.0
03/01	790,760	1,292,200	3,540.0
01/29	801,492	1,227,469	3,608.0
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09/29	658,892	1,799,908	4,120.0

PAGE 1 OF 2

EVERSOURCE

CUSTOMER SERVICE CENTER 800-592-2000  
END BILLANCE INFORMATION FOR 244 0241

Demand



# Power Factor

Power factor is expressed as the ratio of kW to kVA (kilovolt-amperes) delivered by your electric provider. Low power factor is caused by inductive loads, such as transformers, high-intensity discharge lighting, and electric motors operated at less than full load (which often occurs in cycle processes such as conveyors, compressors, and HVAC fans). The electric providers in Massachusetts typically require a power factor of 90% or above, which means that the ratio of kW/kVA should be  $> 90\%$ .

The effect of having a power factor below the minimum stipulated by your provider will be that you will pay more in demand charges than you would if the power factor was above the required minimum. This extra amount is charged by a utility so they can recover their costs for maintaining a good power factor on their distribution system.

Account Number

H

PAGE 2 OF 2

COM OF MA /MITC  
DCAMM/MITC  
200 ARLINGTON ST  
CHELSEA MA 02150-2375

2617 400 1011

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ACCOUNT NUMBER  
2617 400 1011

CURRENT BILL CALCULATION

DELIVERY SERVICES  
CUSTOMER CHARGE

237.07

DEMAND CHARGES:  
DISTRIBUTION CHARGE

14.56 X 3992.2 KVA = 58,126.43

TRANSMISSION CHARGE

8.01 X 3992.2 KVA = 31,977.52

TOTAL DEMAND

3992.2 KVA TOTAL DEMAND CHARGE 90,103.95

PEAK CHARGES:

DISTRIBUTION	0.009100	X	665776	KWH	=	6,058.96
TRANSITION	-0.000670	X	665776	KWH	=	-446.07
RENEWABLE ENERGY	0.000500	X	665776	KWH	=	332.89
ENERGY CONSERVATION	0.002500	X	665776	KWH	=	1,664.44

OFF PEAK CHARGES:

DISTRIBUTION	0.009100	X	1790864	KWH	=	16,296.86
TRANSITION	-0.000670	X	1790864	KWH	=	-1,199.88
RENEWABLE ENERGY	0.000500	X	1790864	KWH	=	895.43
ENERGY CONSERVATION	0.002500	X	1790864	KWH	=	4,477.16

TOTAL KWH

2456690 TOTAL KWH CHARGE 28,079.39

CURRENT DELIVERY CHARGES

118,420.41

LOAD ANALYSIS:

	KVA	DATE	TIME
PEAK:	4,455.0	09/08	14:20
OFF PEAK:	4,205.0	09/09	18:15

POWER FACTOR
89.900%
87.900%

Power Factor

# Supply





100 Summit Lake Drive  
Suite 410  
Valhalla, New York 10595-1373

**Message Center**

REMIT TO ADDRESS: To avoid late payment charges being assessed to your account, please send all payments to the address printed on the return stub at the bottom of this page or use the enclosed return envelope.

**Contacting Us...**

Your Customer Service Representative  
Daisy Barbecho at: 1-800-863-4191 Ext. 1  
Email: BarbechoD@conedsolutions.com  
Web Site: www.conedsolutions.com

Account Number ..... 585476  
Commonwealth of Massachusetts  
Invoice Number ..... 2884026  
Billing Date ..... September 30, 2015  
Amount Due this month ..... \$439,903.78  
Remit By ..... November 16, 2015

**Account Summary**

Supply Charges		
09/01/2015	Prior Balance	\$539,866.92
09/03/2015	Payment Received	(\$213,669.48)
09/04/2015	Payment Received	(\$184,429.04)
09/23/2015	Payment Received	(\$228,503.36)
09/30/2015	Current Charges	\$224,659.73
<b>Total Amount Due</b>		<b>\$439,903.78</b>

**BILLING SUMMARY** Charges by Service Location

Delivery Co., Account Number	Service Location
28174001011	ENE217_OCAM 200 ARLINGTON STREET CHELSEA MA 02100

**Electricity**

Bill Period From	Bill Period To	Usage	Amount	Sales Tax	Total
08/27/2015	09/28/2015	2,459.640	\$224,659.73	\$0.00	\$224,659.73
		2,459.640	\$224,659.73	\$0.00	\$224,659.73



ConEdison Solutions Account No	585476
Amount Due by	11/16/2015 \$439,903.78
Amount Enclosed \$	

**Remit to:**

**ConEdison Solutions**  
PO Box 223246  
Pittsburgh, PA 15251-2246



Commonwealth of Massachusetts  
DCAMMMFTC  
200 ARLINGTON ST.  
ATTN: JEFF DILL  
CHELSEA, MA 02150

InvoiceID: 2884026

Account Info.

Amount

Billing Period

Usage

# Tracking Spreadsheet

ACCOUNT #	MONTH	Days in Billing	KWH	Peak	Off Peak	DEMAND	Delivery Cost	Supply Cost	Total Cost
	FY16								
2617-400-1011	15-Jul	31	2,476,800	752,361	1,724,439	4,039.0	\$ 119,040.51	\$ 226,503.36	\$ 345,543.87
2617-400-1011	15-Aug	28	2,273,760	667,815	1,605,945	4,052.0	\$ 117,684.30	\$ 207,935.35	\$ 325,619.65
2617-400-1011	August 26-27		179,920	31,902	48,018	3,644.0	\$ 3,663.33	\$ 7,308.68	\$ 10,972.01
2617-400-1011	15-Sep	32	2,456,640	665,776	1,790,864	3,971.0	\$ 118,420.41	\$ 224,659.73	\$ 343,080.14
2617-400-1011	15-Oct								\$ -
2617-400-1011	15-Nov								\$ -
2617-400-1011	15-Dec								\$ -
2617-400-1011	16-Jan								\$ -
2617-400-1011	16-Feb								\$ -
2617-400-1011	16-Mar								\$ -
2617-400-1011	16-Apr								\$ -
2617-400-1011	16-May								\$ -
2617-400-1011	16-Jun								\$ -
Totals			7,287,120	2,117,854	5,169,266	15,706.0	\$ 358,808.55	\$ 666,407.12	\$ 1,025,215.67

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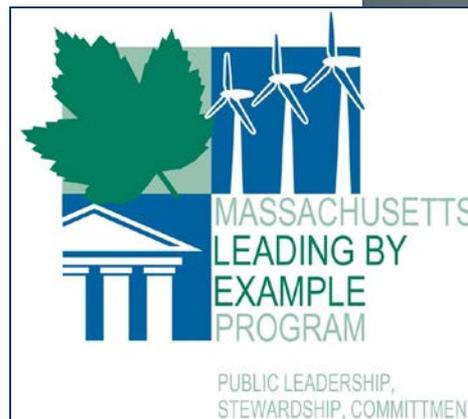


# Leading by Example Program

**Fall MAFMA Meeting  
November 5, 2015**

# LBE Program

- Data
- Technical assistance
- Funding
- Innovation
- Communications
- Reporting
- Collaboration

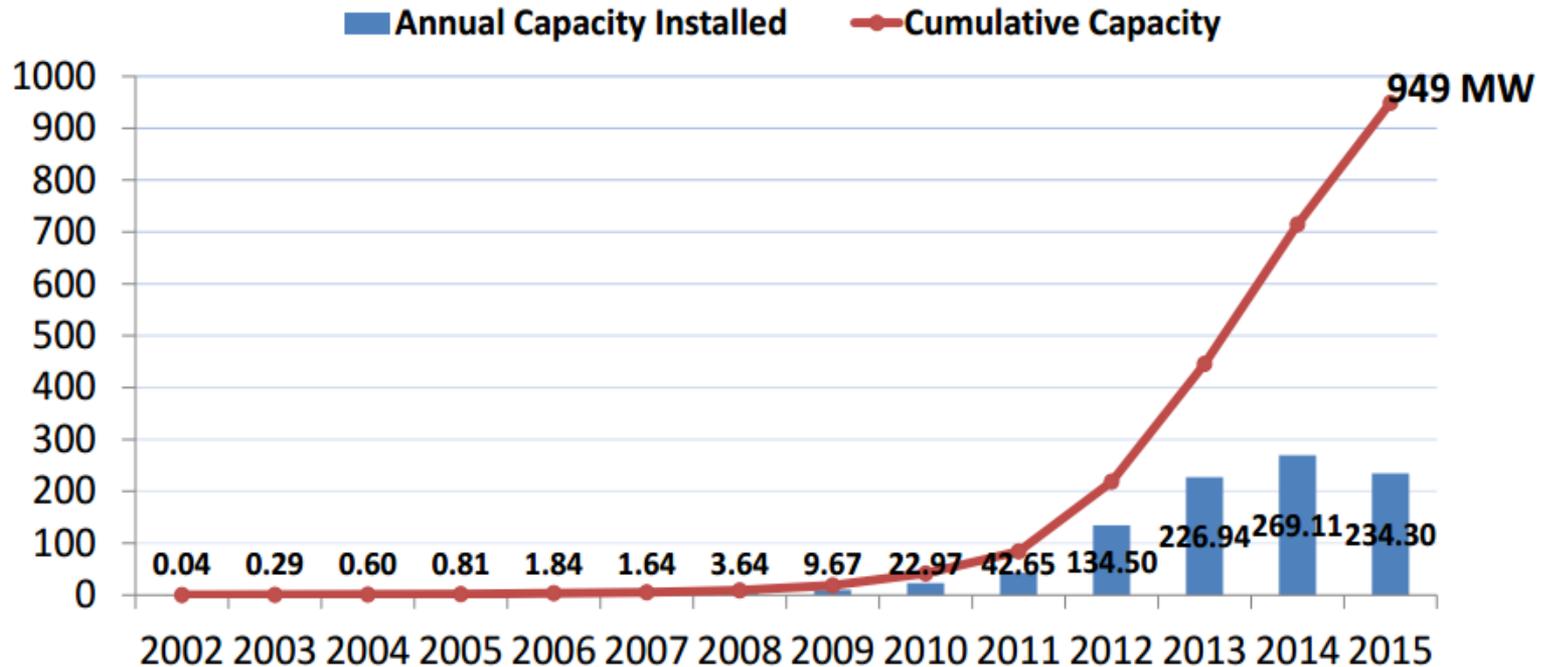


Massachusetts Department  
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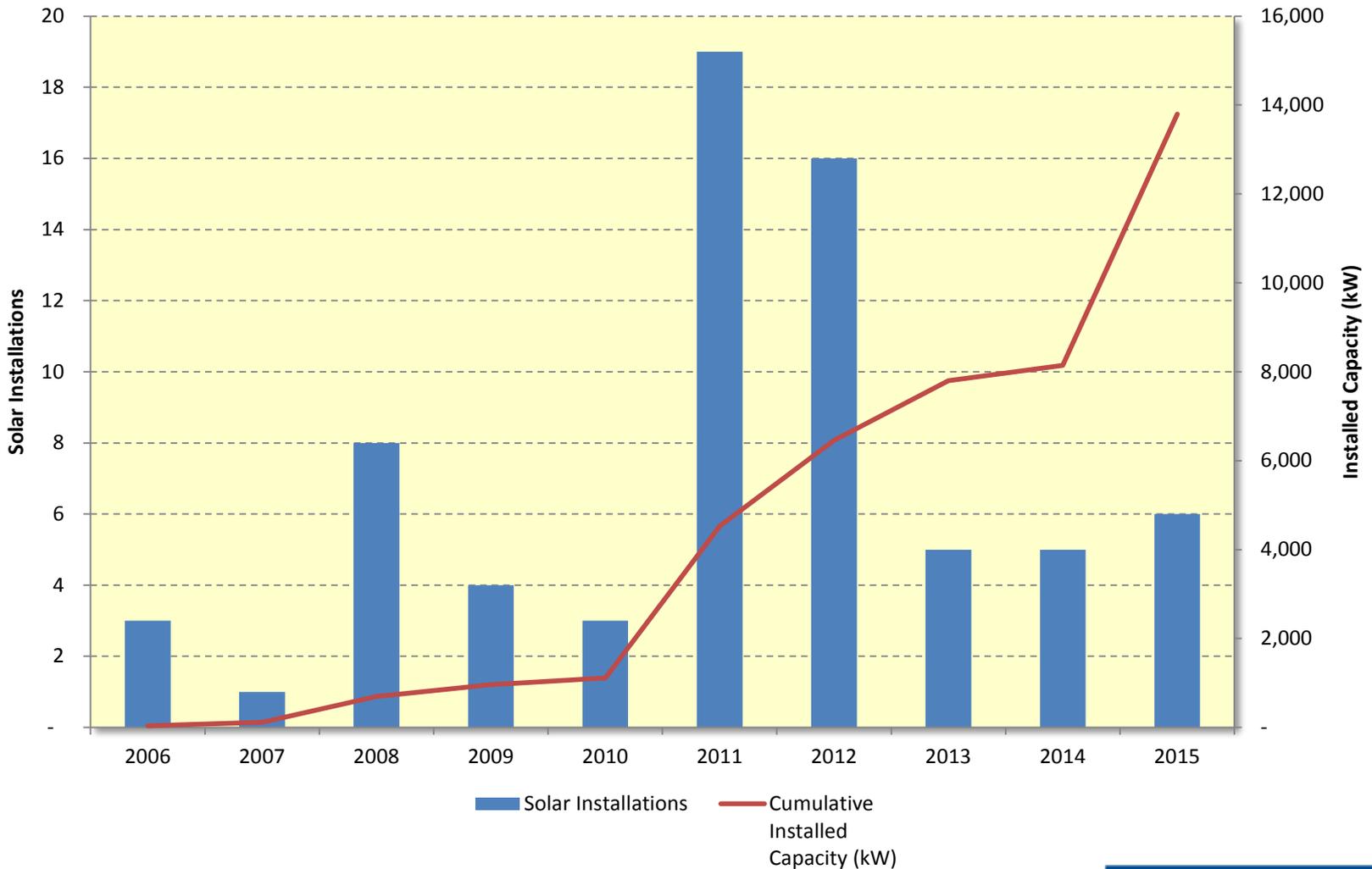
# Statewide Solar Installations



Massachusetts has an aggressive target of 1600 MW of solar power installed for 2020. The above figures represent the cumulative amount installed as of October 2015, in 34,226 projects.

**MA ranked #4 for solar installed in 2014**  
*(Environment MA Research & Policy Center)*

# Solar Installations at State Facilities



Over 13 MW installed

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Massachusetts Department  
of Energy Resources

# Solar Canopy Feasibility Studies



- LBE is working with energy consultant ICF, Inc. to study the feasibility of solar canopies on parking lots at 22 state facilities, including Higher Ed, Tewksbury Hospital and DCR
- Feasibility studies wrap up at end of 2015
- LBE will work collaborative to determine appropriate financing plan and move projects into procurement and installation for 2016

**ICF**  
INTERNATIONAL®

**DOER**

Massachusetts Department  
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# Solar Installations at State Facilities



**Bristol CC Solar Canopy:**  
Gov. Baker at 3.2 MW solar  
canopy ribbon cutting

**MassDOT Right of Way Solar:**  
271 kW solar PV along I-90 in  
Natick part of 5 installations  
totaling 2.4 MW



# LBE Solar Canopy Grants

- Parking lots, garage roofs, and pedestrian walkways
- \$0.75 per watt up to \$600,000 for owned systems
- Smaller grants for 3<sup>rd</sup> party owned
- Minimum # of EV charging stations
- 200 kW minimum size with some exceptions

## Recent Grant Awards

- \$50,000 to DCR for a 100 kW system at Walden Pond
- \$146,000 to UMass Amherst for 292 kW system
- \$600,000 to Roxbury Community College for 937 kW system
- \$224,000 for feasibility studies



# LBE Renewable Thermal Grants

- Feasibility Studies and project implementation for biomass, solar thermal heat pumps, CHP
- Grant amounts based on financial need
- Cost share strongly encouraged
- LBE provides technical assistance and guidance
- Can be part of a broader energy project

## Recent Grant Awards

- ❑ \$600,000 to Bristol CC for GSHP
  - ❑ \$125,000 to DCR for ASHP
- ❑ \$74,718 UMass Amherst for solar thermal
  - ❑ \$604,000 to MCLA for CHP
- ❑ \$234,618 to DFG for biomass & ASHP



# Other Funding

## LBE Non-Building Energy Efficiency Investment Program

- “Green” bonds to finance clean energy projects

## Clean Energy Center (MassCEC) Mass. as First Customer

- Support for innovative local technologies

## MassCEC Grants

- Funding for renewable thermal analysis and implementation



# Fuel Efficiency Standard for State Fleet

## 1. Average MPG

- Passenger cars - 32 MPG
- Trucks/Vans/SUVs – 22 MPG

## 2. Minimum Percentage are Electric Vehicles

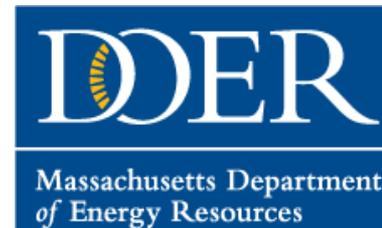
- Applies only to acquisitions where EV options exist

## 3. Minimum Percentage are Alt. Fuel or Hybrid

- Applies to all vehicle acquisitions

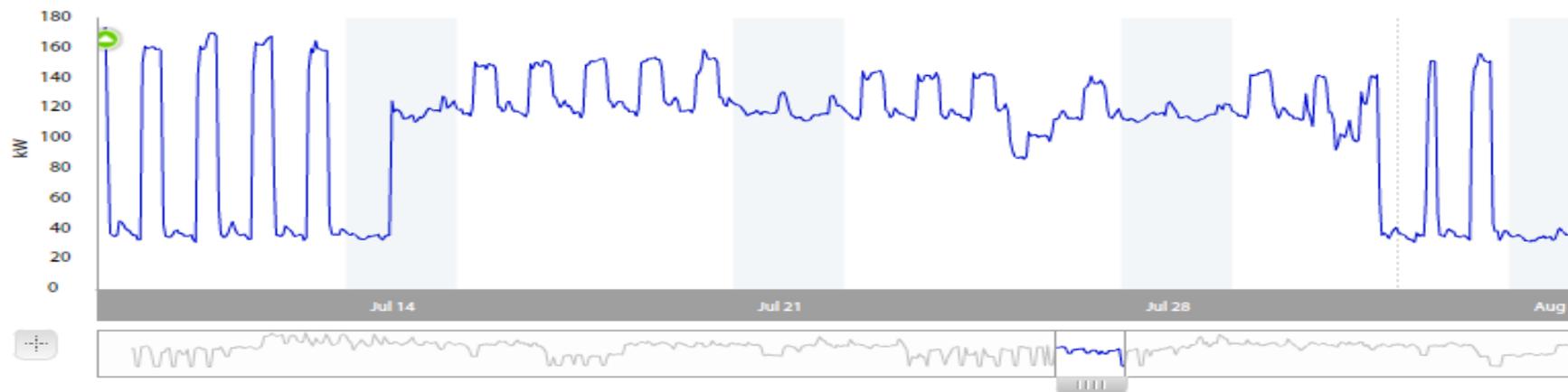
## • Other Elements

- Flexibility in compliance
- Establish Green Fleet Committee
- LBE Resources will be made available



# Commonwealth Building Energy Intelligence/EEMS

- Utilize energy data to drive operational efficiencies
- Currently in procurement process
- DCAMM leading next-phase, with DOER as partner
- Krista Lillis (DCAMM) as lead



# LBE Awards

## State Agency:

- MA State College Building Authority (MSCBA)
- Clean Energy Partnership for Wastewater and Drinking Water Facilities

## Higher Education

- Worcester State University
- UMass Boston

## Municipal

- Town of Kingston
- Belmont Light

## Individual

- Martha Grover (Melrose)
- Stephen Brown, Yvonne Jones, Raul Silva (DCR)



# Contact Info

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[Trey.Gowdy@state.ma.us](mailto:Trey.Gowdy@state.ma.us)

## Website:

[www.mass.gov/eea/leadingbyexample](http://www.mass.gov/eea/leadingbyexample)

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The logo for the Massachusetts Department of Energy Resources (DER). It features the letters "DER" in a large, white, serif font. To the left of the "D" is a stylized sun icon with rays.

Massachusetts Department  
of Energy Resources



# Commonwealth Facility Fund for Energy Efficiency

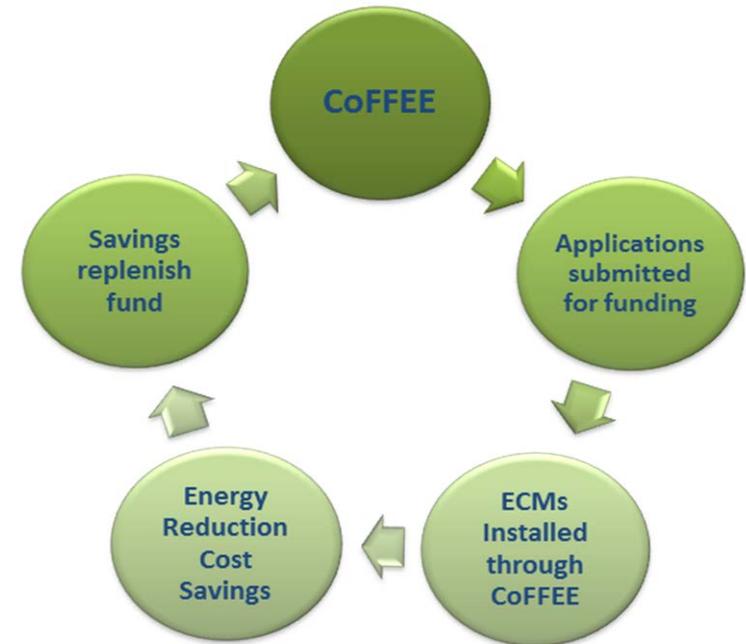


- Green Revolving Loan Fund
- **Affordable and self sustaining**, debt is repaid through savings
- **Low-cost financing** mechanism for state agencies to fund energy/water conservation measures (ECMs)
- Target quick payback projects in the **\$10,000 to \$95,000 range**.
- Repayment of 85% of savings per year during payback period

Accepting Applications **now through Dec. 18**

Please visit: [MASS.GOV/DCAMM/COFFEE](http://MASS.GOV/DCAMM/COFFEE)

## Fund Process



For more information contact:  
Ryan Harold, 857-204-1449  
[Ryan.harold@state.ma.us](mailto:Ryan.harold@state.ma.us)

# Final Questions/Comments

# Thank you for Coming

See you at an upcoming event:

Committee Meetings (as scheduled)

Training Sessions (check your e-mail)

Spring Meeting (April-May 2016)