



# *Energy Efficiency Programs*

*Electric Subcommittee Meeting*

*February 3, 2016*





# *Massachusetts Municipal Wholesale Electric Company (MMWEC) Overview*

- Established under Chapter 775 of the Acts of 1975
  - A not-for-profit, public corporation
  - A political subdivision of the Commonwealth
- Services
  - Power Supply Planning
  - Resource Development
  - Resource and Risk Management
  - Wholesale Market Solutions
  - Regulatory / Legislative
  - Pooled Loan Program
  - Business Support
  - Energy Efficiency



# *Outline*

- IMLD Participation Overview
  - Program comparison with other similar sized municipal light plants (MLPs)
  - Review of HELPS program participation, rebates and savings
  - Review of GO program participation, rebates and savings



# *Home Energy Loss Prevention (HELPS) Program*



- Residential Efficiency Program – since 1989
- Home Energy Audits
- Home Efficiency Improvement Rebates
- Energy Star Appliance Rebates
- Cool Homes Heat Pump and Air Conditioning Rebates
- Solar PV Rebates
- New Homes Rebates
- Toll Free Audit Request # 888-333-7525
- 15 Participating Municipal Light Departments
- [www.munihelps.org](http://www.munihelps.org)



# *HELPS and GO Program Services*

- Answering customer and contractor questions
- Reviewing all submitted applications
- Making sure equipment qualifies
- Determining incentive amounts and capping them
- Sending approval letters
- Issuing rebate checks
- Tracking the program
- Marketing and outreach
- Potential contractor training and presentations
- Updating forms, descriptions and website as needed
- Any additional services as needed and as program develops



# *Participation Overview*

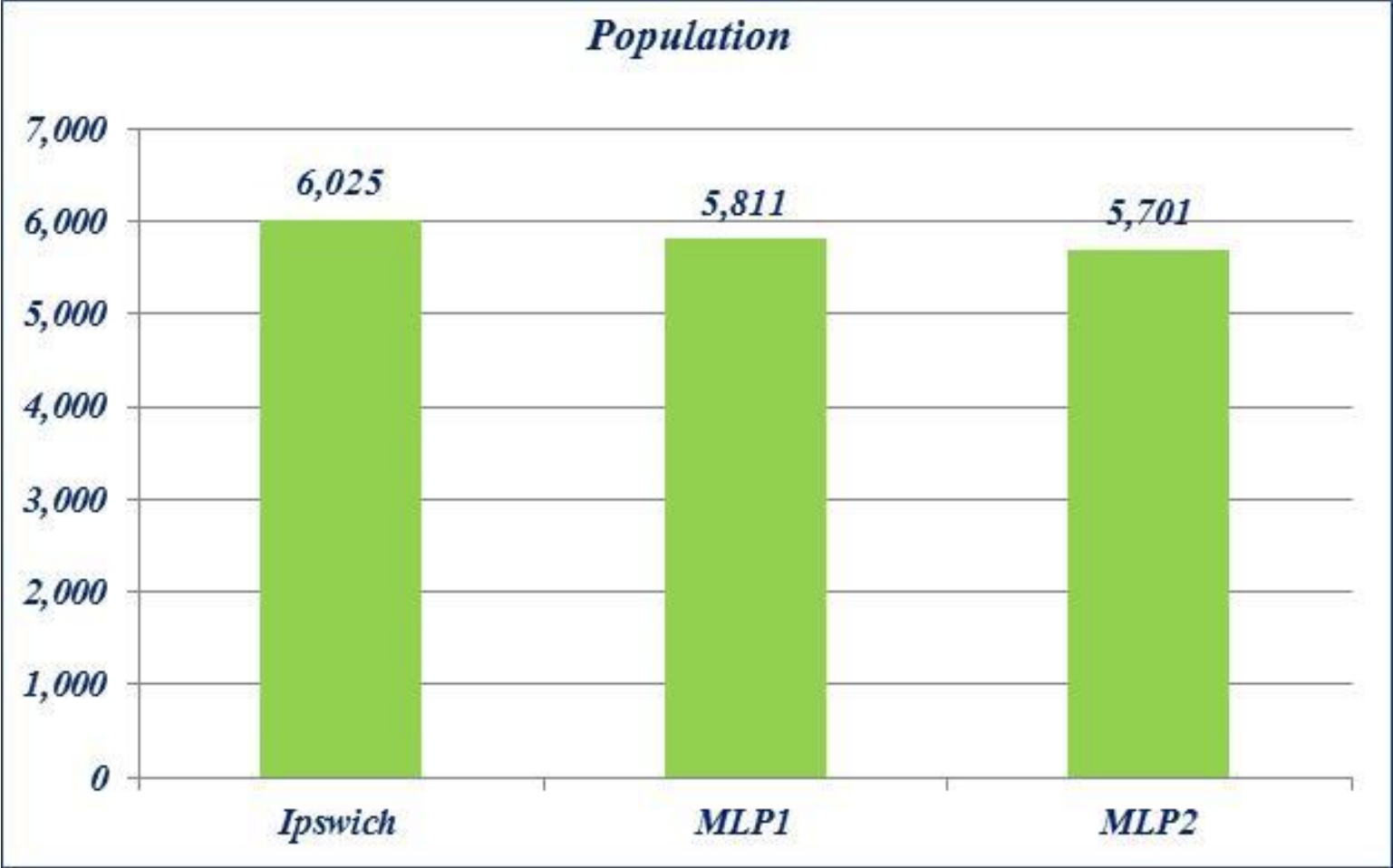
IMLD has been a HELPS participant since 2002

IMLD offers the following services:

- Home Energy Audits
- Home Efficiency Incentive (HEI)
- Energy Star Appliance Rebates
- Cool Homes
- HELPS PV
- New Homes



# *Population Basis for Comparison*



# Program Comparison

HELPS Audits	Ipswich	✓	ML1	✓	ML2	✓
HELPS Energy Star Appliances	Ipswich	✓	ML1	✓	ML2	✓
HELPS Cool Homes	Ipswich	✓	ML1	✓	n/a	
HELPS HEI	Ipswich	✓	ML1	✓	n/a	
HELPS PV	Ipswich	✓	n/a		n/a	
HELPS New Home	Ipswich	✓	n/a		n/a	
Custom Retrofit	Ipswich	✓	ML1	✓	n/a	
New Construction and Major Renovation	Ipswich	✓	n/a		n/a	
Prescriptive Lighting	Ipswich	✓	ML1	✓	n/a	
Prescriptive HVAC	Ipswich	✓	ML1	✓	n/a	





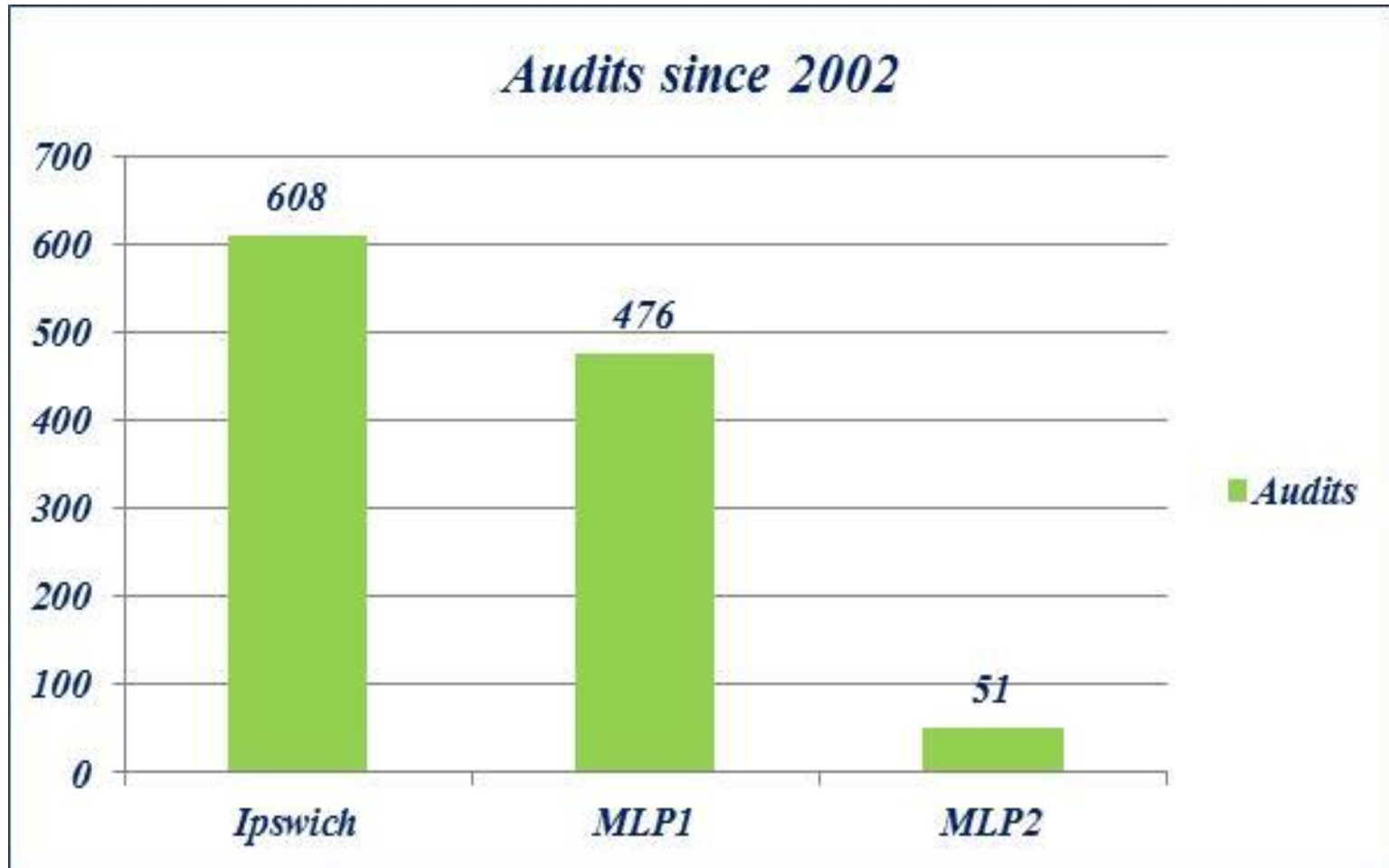
# *Home Energy Audits*

A home energy audit includes:

- Inspection of HVAC equipment
- Assessment of insulation levels in the walls, floors and attic and weather tightness of home
- Diagnostic testing
- Detailed report of the audit
- Audit is Free



# Home Energy Audits Since 2002



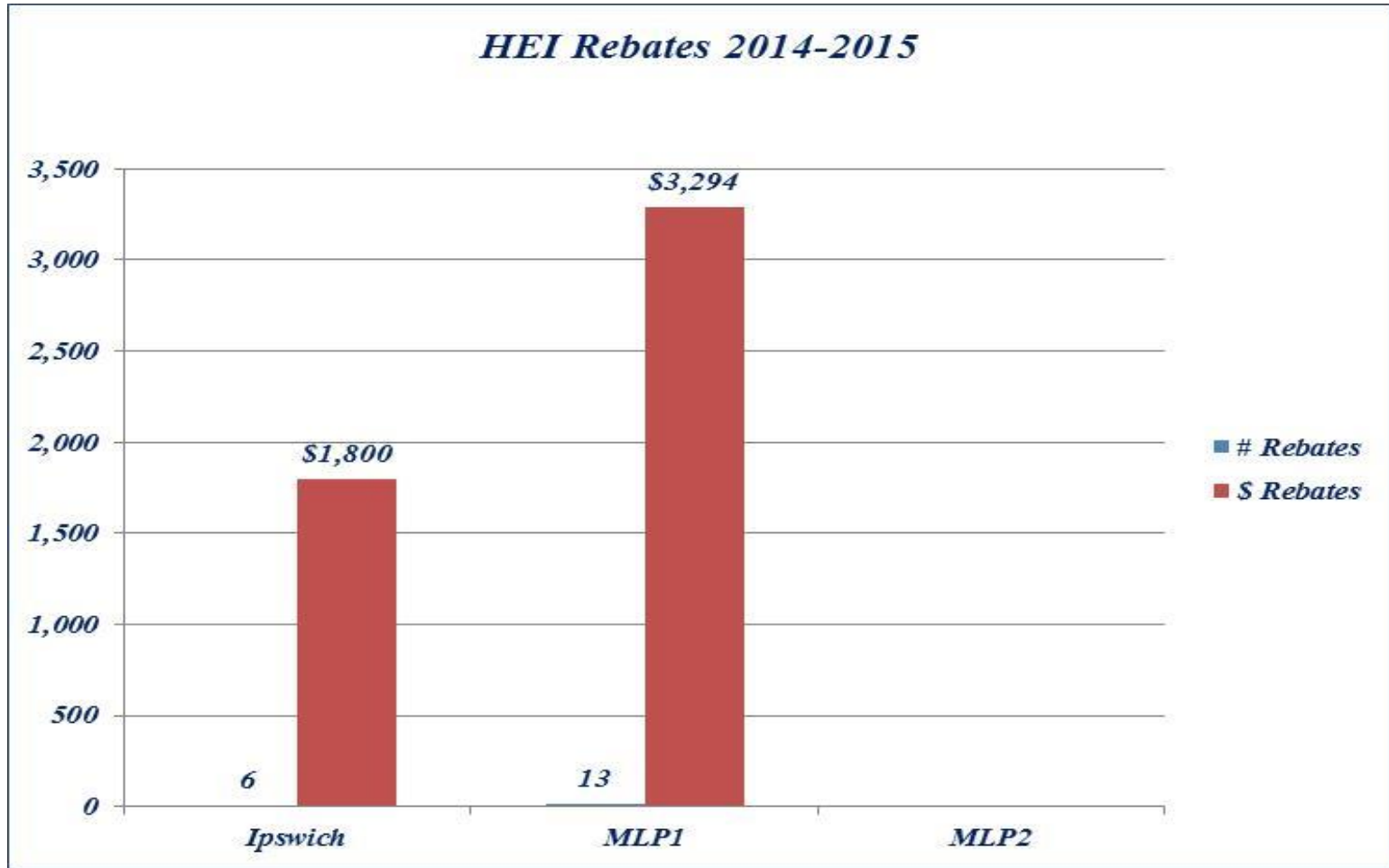
# *Home Efficiency Incentive (HEI)*

HEI is designed to assist you with the cost of installation for the most cost effective measures recommended in a home energy audit. Those measures are shown on the energy audit report. Rebates include:

- Blower Door Test & Air Sealing 50%, up to \$400
- Energy Star Rated Heating System (85% AFUE or greater) 50%, up to \$400
- Insulation 50%, up to \$400
- Duct Sealing 50%, up to \$400



# HEI Rebates Since 2014

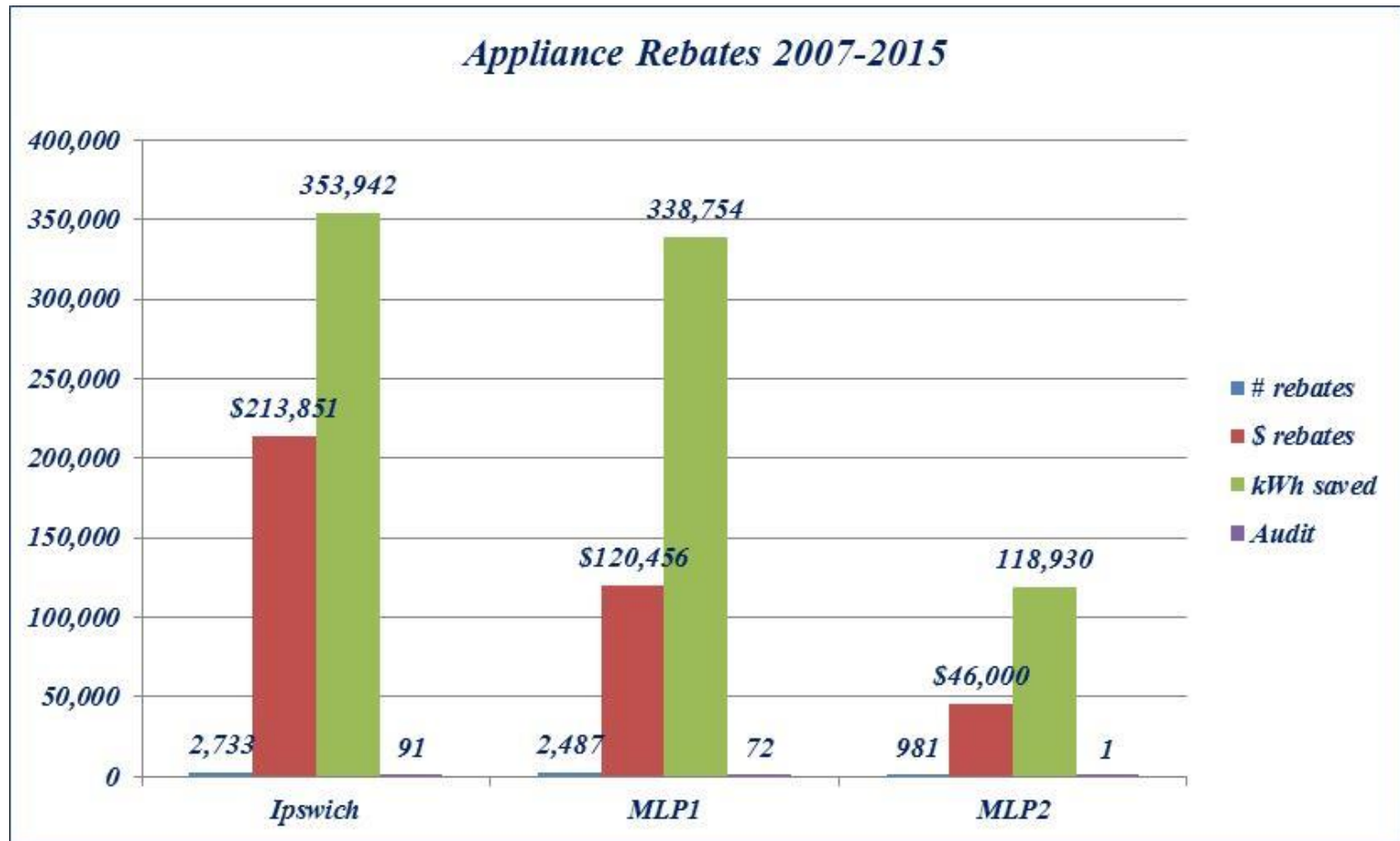


# *Energy Star Appliance Rebates*

- Refrigerator ( $\geq 12$  cu. ft., most efficient) \$50
- Freezer ( $\geq 12$  cu. ft.) \$20
- Dehumidifier \$30
- Air Purifier \$40
- Dryer (Electric) \$50
- Pool Pump (Two Speed) \$175
- Pool Pump (Variable Speed) \$250
- Smart Strip \$15
- Smart Strip (Tier 2) \$40
- Heat Pump Water Heater ( $> 55$  Gallon, Electric) \$400
- Heat Pump Dryer With Clothes Washer (Combo) \$400



# Energy Star Appliance Rebates Since 2007



# *Cool Homes*

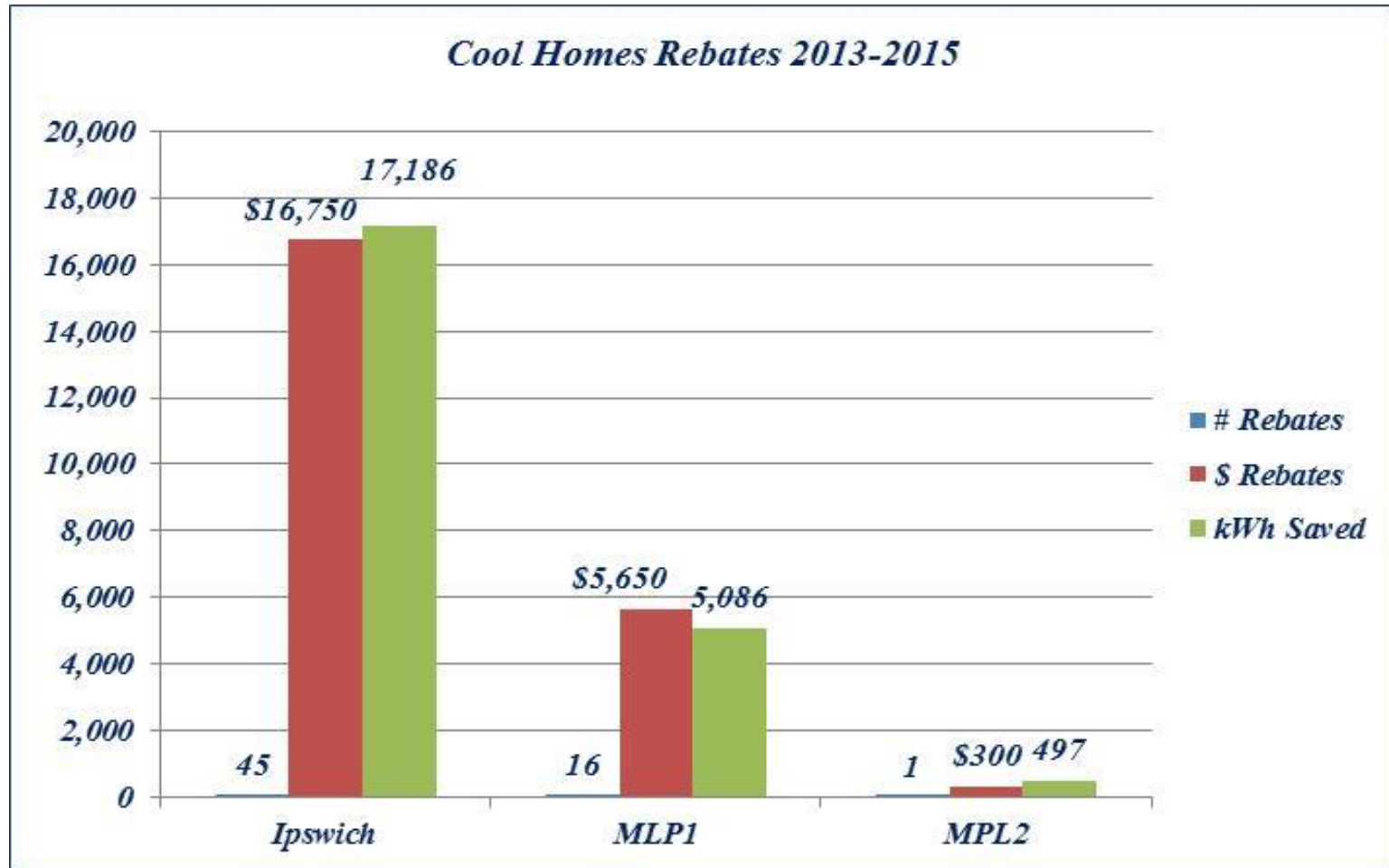


HELPS Cool Homes is a High Efficiency Air Conditioning and Heat Pump Rebate Program for Energy Star products. Rebates include:

- \$250 Central AC
- \$250 Air Source Heat Pump
- \$500 Air Source Heat Pump
- \$250 Ductless Mini-Split Heat Pump



# Cool Homes Rebates Since 2013





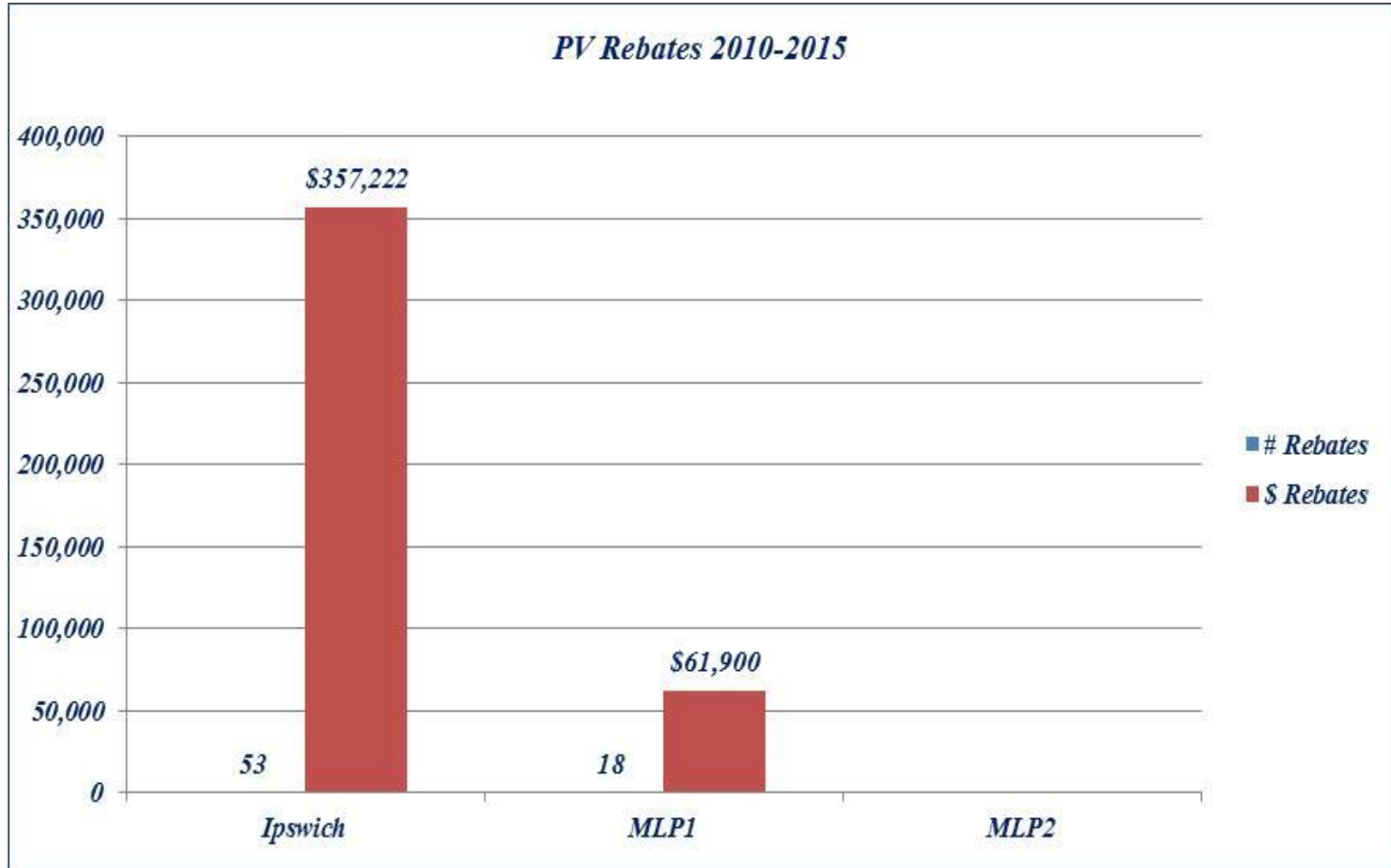
# *HELPS PV*

HELPS PV is a program to assist customers with understanding and installing energy efficiency and photovoltaic (PV) energy systems on their homes.

- Incentives up to \$4,250 on qualifying projects.



# *PV Rebates Since 2010*



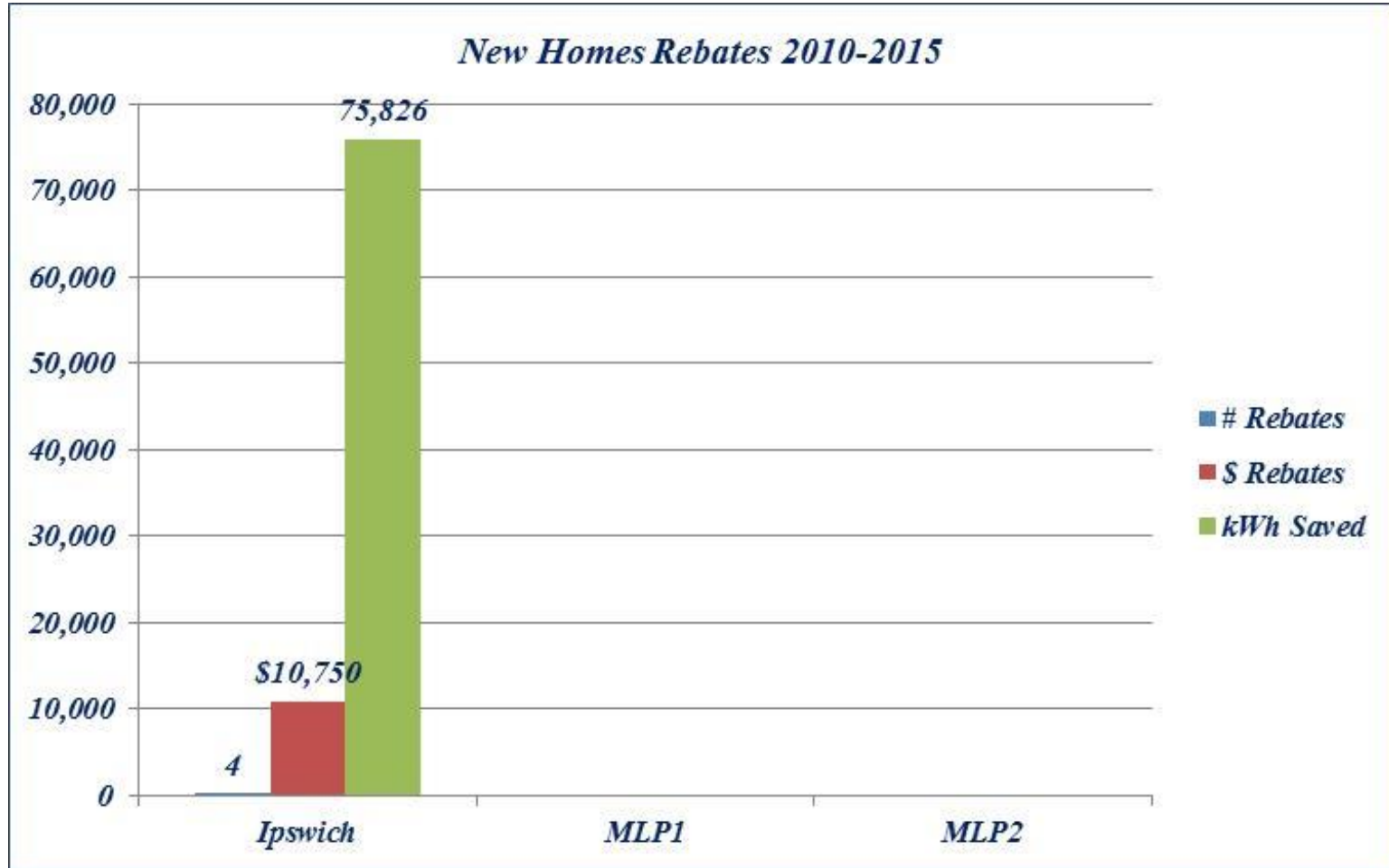
# *New Homes*

The Massachusetts Municipal New Homes Program is designed to support the integration of energy efficient technologies and building practices in residential new construction and gut-rehab single-family and multi-family (5+ units) buildings, by providing Home Energy Ratings (HERS Index) and financial incentives. Rebates include:

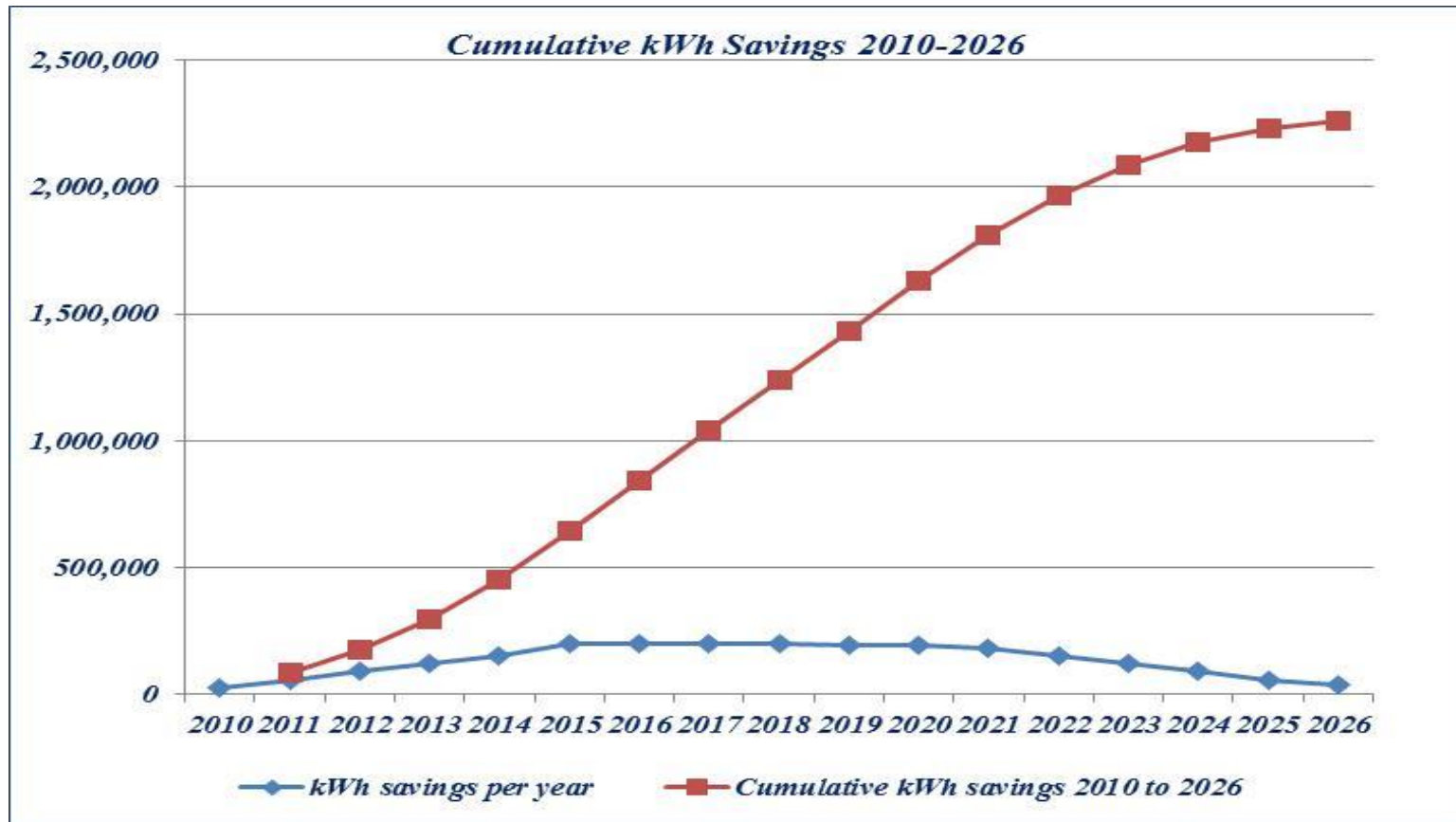
- Tier I (15% improvement or better over the Massachusetts baseline home):
  - 1 Single-Family - \$750
  - 1 Multi-Family - \$650
- Tier II (30% improvement or better over the Massachusetts baseline home):
  - 1 Single-Family - \$1,250
  - 1 Multi-Family – \$1,150
- Tier III (45% improvement of better over the Massachusetts baseline home):
  - 1 Single-Family - \$7,000



# *New Homes Rebates Since 2010*



# *Estimated Lifetime Savings for Energy Star Appliances and Cool Homes*



# *MMWEC Green Opportunity (GO) Program*



- For Commercial and Industrial Customers – since 2010
- Custom and Prescriptive Programs
- Lighting, Heating, Ventilation and AC rebates
- Prescriptive Program Toll Free Phone # : 844-371-6704
- Custom Program Toll Free Phone #: 877-259-3015
- Eight participating Municipal Light Departments
- [www.mmwecgoprogram.org](http://www.mmwecgoprogram.org)





IMLD joined GO in 2010 IMLD offers the following services to assist IMLD customers in reducing operating costs:

- Custom Retrofit Program and New Construction and Major Renovation Program
- Prescriptive Lighting and HVAC



# *Custom Retrofit Program*

Identify and install electric energy efficiency opportunities associated with mechanical, electrical, and thermal systems in existing commercial, industrial, governmental, and institutional buildings.

- Incentives up to \$10,000 on qualifying projects.





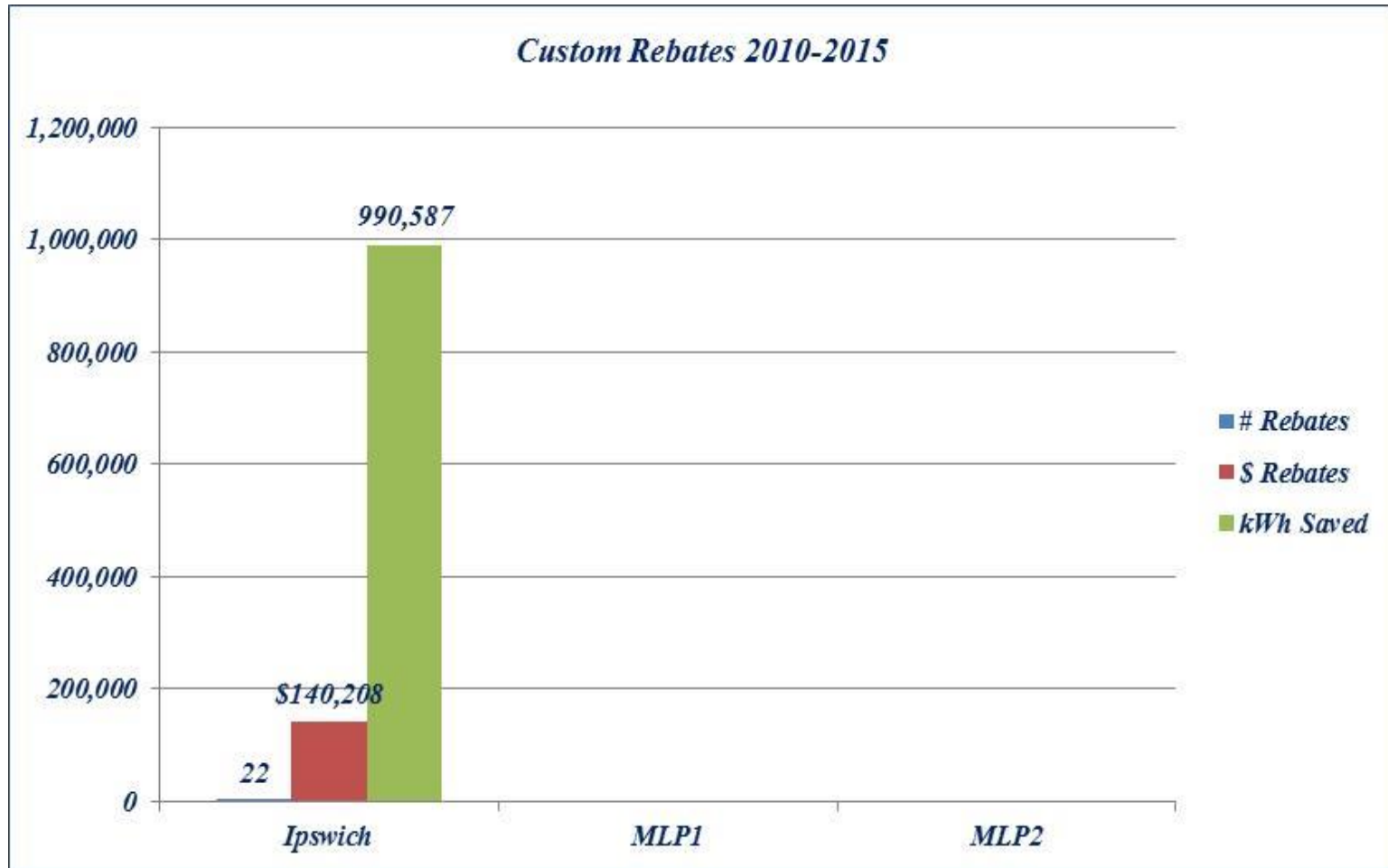
# *New Construction and Major Renovation Program*

Support the integration of energy efficient technologies and building practices in new construction and renovation of commercial, industrial, institutional, and government facilities, by providing technical assistance and financial incentives specific to the needs of each individual project.

- Incentives up to \$10,000 on qualifying projects



# Custom Retrofit and New Construction Rebates Since 2010



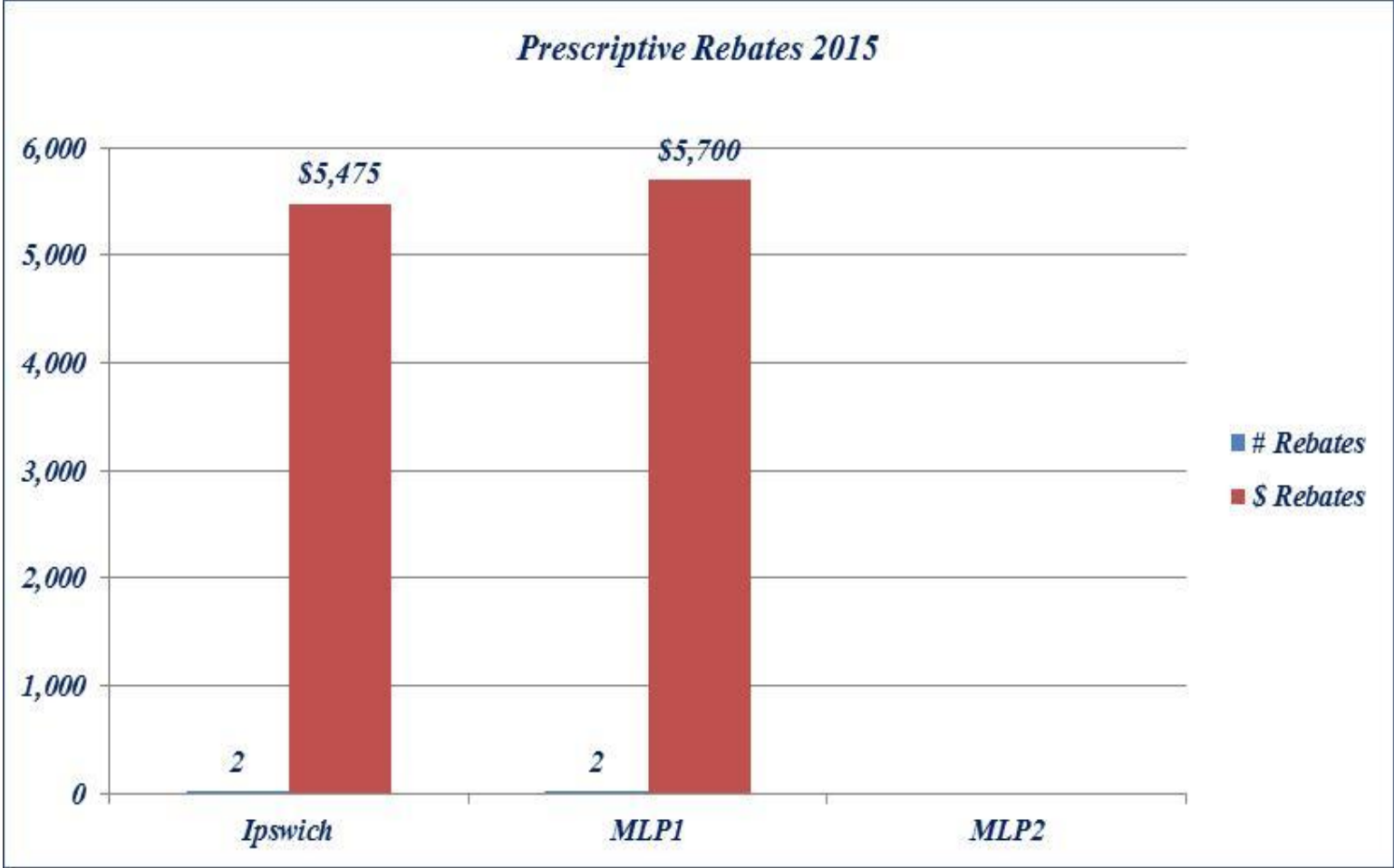
# *Prescriptive Lighting and HVAC*

Provide a streamlined process for the review and installation of lighting improvement retrofit projects and HVAC retrofit in existing commercial, industrial, governmental, and institutional buildings.

- Incentives up to \$5,000 on qualifying projects.



# Prescriptive Rebates Since 2015

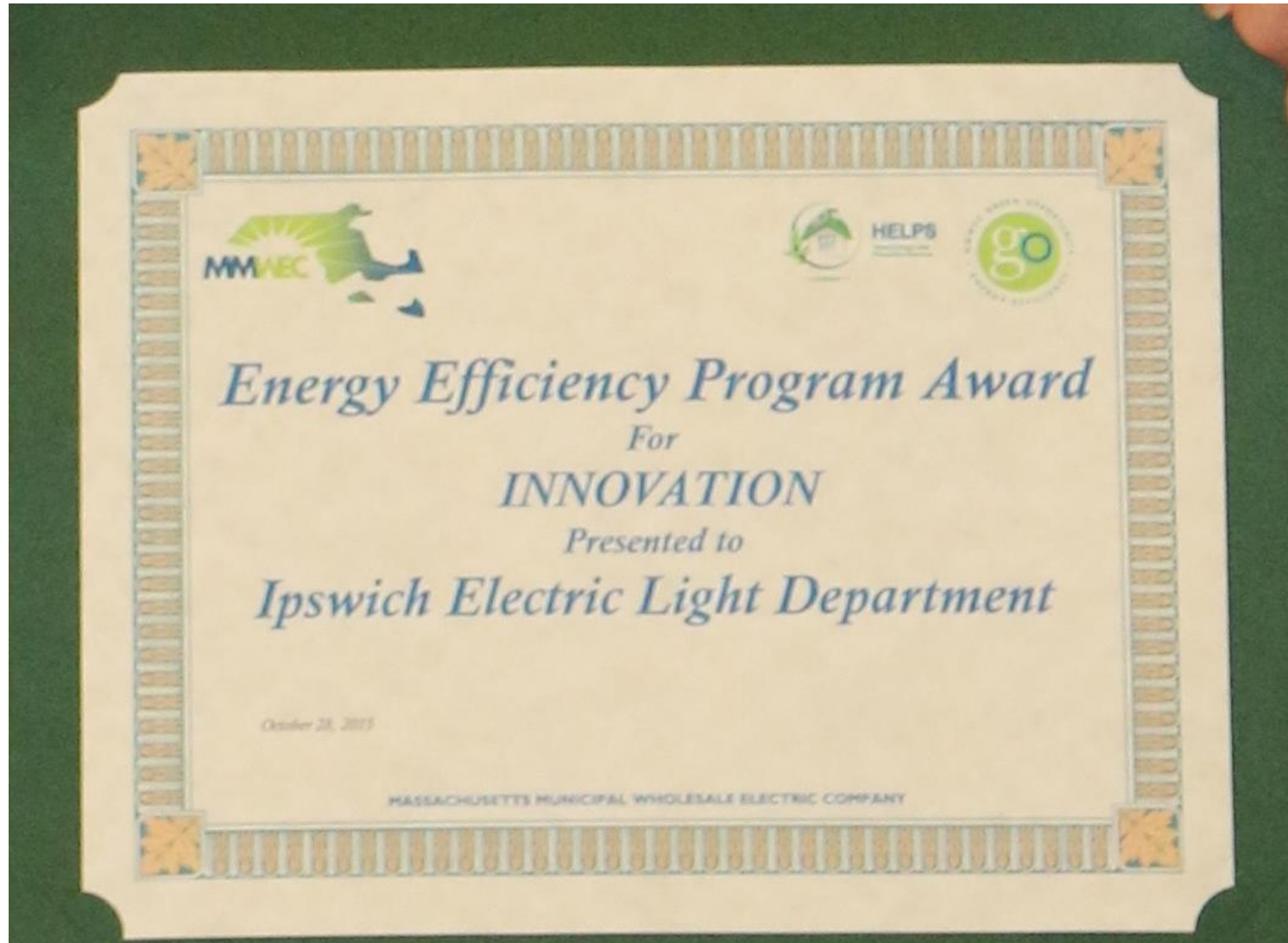


# *Innovation Award*

In October 2015, IMLD received an Innovation Award for their HELPS and GO Programs.

This award recognizes an energy efficiency program or combination of programs that take an innovative approach to energy efficiency.





## *Innovation Award*



*Ipswich Municipal Light Department*



# *Thank You*

- HELPS – [munihelps.org](http://munihelps.org)
- GO – [mmwecgoprogram.org](http://mmwecgoprogram.org)

