

# Home Energy Rating Certificate

226 Highland Street

Boston, MA 02119



5 Stars Plus  
Confirmed

## Uniform Energy Rating System

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

## Energy Efficient

HERS Index: -7

### General Information

Conditioned Area: 1955 sq. ft. House Type: Townhouse, end unit  
 Conditioned Volume: 16886 cubic ft. Foundation: Enclosed crawl space  
 Bedrooms: 3

### Mechanical Systems Features

Air-source heat pump: Electric, Htg: 10.0 HSPF. Clg: 26.0 SEER.  
 Air-source heat pump: Electric, Htg: 8.9 HSPF. Clg: 18.0 SEER.  
 Water Heating: Conventional, Electric, 0.98 EF, 80.0 Gal.  
 Duct Leakage to Outside: NA  
 Ventilation System: Balanced: HRV, 65 cfm, 20.0 watts.  
 Programmable Thermostat: Heating: Yes Cooling: Yes

### Building Shell Features

Ceiling Flat: R-62 Slab: None  
 Sealed Attic: NA Exposed Floor: R-52, R-64  
 Vaulted Ceiling: R-69 Window Type: Single .139/.34  
 Above Grade Walls: R-41, R-19 Infiltration Rate: Htg: 0.57 Clg: 0.57 ACH50  
 Foundation Walls: R-0.0 Method: Blower door test

### Lights and Appliance Features

Percent Interior Lighting: 100.00 Range/Oven Fuel: Electric  
 Percent Garage Lighting: 100.00 Clothes Dryer Fuel: Electric  
 Refrigerator (kWh/yr): 550.00 Clothes Dryer EF: 3.01  
 Dishwasher Energy Factor: 0.77 Ceiling Fan (cfm/Watt): 0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v14.3  
 This information does not constitute any warranty of energy cost or savings.  
 © 1985-2013 Architectural Energy Corporation, Boulder, Colorado.

Registry ID: 952801264

Rating Number: 56951

Certified Energy Rater: William D'Arrigo

Rating Date: 10/3/2013

Rating Ordered For:

### Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	7.5	\$361	-196%
Cooling	2.6	\$124	-68%
Hot Water	4.2	\$203	-111%
Lights/Appliances	17.9	\$863	-469%
Photovoltaics	-37.6	\$-1812	986%
Service Charges		\$77	-42%
Total	-5.4	\$-184	100%

This home meets or exceeds the minimum criteria for all of the following:

TITLE

Company

Address

City, State, Zip

Phone #

Fax #

# Home Energy Rating Certificate

232 Highland Street

Boston, MA 02119



5 Stars Plus  
Confirmed

## Uniform Energy Rating System

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

## Energy Efficient

HERS Index: **-6**

### General Information

Conditioned Area: 2044 sq. ft. House Type: Townhouse, end unit  
 Conditioned Volume: 22529 cubic ft. Foundation: Enclosed crawl space  
 Bedrooms: 3

### Mechanical Systems Features

Air-source heat pump: Electric, Htg: 10.0 HSPF. Clg: 26.0 SEER.  
 Air-source heat pump: Electric, Htg: 8.9 HSPF. Clg: 18.0 SEER.  
 Water Heating: Conventional, Electric, 0.98 EF, 80.0 Gal.  
 Duct Leakage to Outside: NA  
 Ventilation System: Balanced: HRV, 65 cfm, 20.0 watts.  
 Programmable Thermostat: Heating: Yes Cooling: Yes

### Building Shell Features

Ceiling Flat: R-62 Slab: None  
 Sealed Attic: NA Exposed Floor: R-52, R-64  
 Vaulted Ceiling: R-69 Window Type: Single  
 Above Grade Walls: R-41, R-19 Infiltration Rate: Htg: 0.57 Clg: 0.57 ACH50  
 Foundation Walls: R-0.0 Method: Blower door test

### Lights and Appliance Features

Percent Interior Lighting: 100.00 Range/Oven Fuel: Electric  
 Percent Exterior Lighting: 100.00 Clothes Dryer Fuel: Electric  
 Refrigerator (kWh/yr): 550.00 Clothes Dryer EF: 3.01  
 Dishwasher Energy Factor: 0.77 Ceiling Fan (cfm/Watt): 0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v14.3  
 This information does not constitute any warranty of energy cost or savings.  
 © 1985-2013 Architectural Energy Corporation, Boulder, Colorado.

Registry ID: 939068764

Rating Number: 57101

Certified Energy Rater: William D'Arrigo

Rating Date: 10/3/2013

Rating Ordered For:

### Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	8.1	\$387	-223%
Cooling	2.9	\$139	-80%
Hot Water	4.2	\$203	-117%
Lights/Appliances	18.3	\$881	-508%
Photovoltaics	-38.7	\$-1861	1074%
Service Charges		\$77	-45%
Total	-5.2	\$-173	100%

This home meets or exceeds the minimum criteria for all of the following:

TITLE  
 Company  
 Address  
 City, State, Zip  
 Phone #  
 Fax #

# Home Energy Rating Certificate

228 Highland Street

Boston, MA 02119



5 Stars Plus  
Confirmed

## Uniform Energy Rating System

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

## Energy Efficient

HERS Index: -9

### General Information

Conditioned Area: 1955 sq. ft. House Type: Townhouse, inside unit  
 Conditioned Volume: 21728 cubic ft. Foundation: Enclosed crawl space  
 Bedrooms: 3

### Mechanical Systems Features

Air-source heat pump: Electric, Htg: 10.0 HSPF. Clg: 26.0 SEER.  
 Air-source heat pump: Electric, Htg: 8.9 HSPF. Clg: 18.0 SEER.  
 Water Heating: Conventional, Electric, 0.98 EF, 80.0 Gal.  
 Duct Leakage to Outside: NA  
 Ventilation System: Balanced: HRV, 65 cfm, 20.0 watts.  
 Programmable Thermostat: Heating: Yes Cooling: Yes

### Building Shell Features

Ceiling Flat: R-62 Slab: None  
 Sealed Attic: NA Exposed Floor: R-64  
 Vaulted Ceiling: R-69 Window Type: Single  
 Above Grade Walls: R-41, R-19 Infiltration Rate: Htg: 0.57 Clg: 0.57 ACH50  
 Foundation Walls: R-0.0 Method: Blower door test

### Lights and Appliance Features

Percent Interior Lighting: 100.00 Range/Oven Fuel: Electric  
 Percent Exterior Lighting: 100.00 Clothes Dryer Fuel: Electric  
 Refrigerator (kWh/yr): 550.00 Clothes Dryer EF: 3.01  
 Dishwasher Energy Factor: 0.77 Ceiling Fan (cfm/Watt): 0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v14.3  
 This information does not constitute any warranty of energy cost or savings.  
 © 1985-2013 Architectural Energy Corporation, Boulder, Colorado.

Registry ID: 655645007

Rating Number: 57099

Certified Energy Rater: William D'Arrigo

Rating Date: 10/3/2013

Rating Ordered For:

### Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	6.6	\$318	-131%
Cooling	2.3	\$109	-45%
Hot Water	4.2	\$203	-84%
Lights/Appliances	17.9	\$863	-356%
Photovoltaics	-37.6	\$-1812	748%
Service Charges		\$77	-32%
Total	-6.6	\$-242	100%

This home meets or exceeds the minimum criteria for all of the following:

TITLE

Company

Address

City, State, Zip

Phone #

Fax #

# Home Energy Rating Certificate

230 Highland Street

Boston, MA 02119



5 Stars Plus  
Confirmed

## Uniform Energy Rating System

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

## Energy Efficient

HERS Index: -9

### General Information

Conditioned Area: 1955 sq. ft. House Type: Townhouse, inside unit  
 Conditioned Volume: 21728 cubic ft. Foundation: Enclosed crawl space  
 Bedrooms: 3

### Mechanical Systems Features

Air-source heat pump: Electric, Htg: 10.0 HSPF. Clg: 26.0 SEER.  
 Air-source heat pump: Electric, Htg: 8.9 HSPF. Clg: 18.0 SEER.  
 Water Heating: Conventional, Electric, 0.98 EF, 80.0 Gal.  
 Duct Leakage to Outside: NA  
 Ventilation System: Balanced: HRV, 65 cfm, 20.0 watts.  
 Programmable Thermostat: Heating: Yes Cooling: Yes

### Building Shell Features

Ceiling Flat: R-62 Slab: None  
 Sealed Attic: NA Exposed Floor: R-64  
 Vaulted Ceiling: R-69 Window Type: Single  
 Above Grade Walls: R-41, R-19 Infiltration Rate: Htg: 0.57 Clg: 0.57 ACH50  
 Foundation Walls: R-0.0 Method: Blower door test

### Lights and Appliance Features

Percent Interior Lighting: 100.00 Range/Oven Fuel: Electric  
 Percent Exterior Lighting: 100.00 Clothes Dryer Fuel: Electric  
 Refrigerator (kWh/yr): 550.00 Clothes Dryer EF: 3.01  
 Dishwasher Energy Factor: 0.77 Ceiling Fan (cfm/Watt): 0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v14.3  
 This information does not constitute any warranty of energy cost or savings.  
 © 1985-2013 Architectural Energy Corporation, Boulder, Colorado.

Registry ID: 926566040

Rating Number: 57100

Certified Energy Rater: William D'Arrigo

Rating Date: 10/3/2013

Rating Ordered For:

## Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	6.6	\$318	-131%
Cooling	2.3	\$109	-45%
Hot Water	4.2	\$203	-84%
Lights/Appliances	17.9	\$863	-356%
Photovoltaics	-37.6	\$-1812	748%
Service Charges		\$77	-32%
Total	-6.6	\$-242	100%

This home meets or exceeds the minimum criteria for all of the following:

TITLE

Company

Address

City, State, Zip

Phone #

Fax #