

# Home Energy Rating Certificate

CLEAResult®

Property  
E+ Solutions  
152 Highland Street  
Roxbury, MA 02119

HERS  
Rating Type: Confirmed  
Rating Date: 9/18/2017  
Registry ID: 076864383

Certified Energy Rater: Peter Virchick  
Rating Number: 56744

**HERS Index: -20**

## General Information

Conditioned Area	1435 sq. ft.	House Type	Townhouse, end unit
Conditioned Volume	17274 cubic ft.	Foundation	Unconditioned basement
Bedrooms	3		

## Mechanical Systems Features

Air-source heat pump:	Electric, Htg: 13.5 HSPF. Clg: 30.0 SEER.
Water Heating:	Heat pump, Electric, 3.24 EF, 50.0 Gal.
Duct Leakage to Outside	NA
Ventilation System	Balanced: HRV, 80 cfm, 25.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

## Building Shell Features

Ceiling Flat	R-59.2	Slab	None
Sealed Attic	NA	Exposed Floor	R-49.0
Vaulted Ceiling	R-50.4	Window Type	U-Value: 0.180, SHGC: 0.210
Above Grade Walls	R-43.2	Infiltration Rate	Htg: 0.97 Clg: 0.97 ACH50
Foundation Walls	R-12.0	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)	647	Clothes Dryer EF	2.85
Dishwasher (kWh/yr)	260	Ceiling Fan (cfm/Watt)	0.00

## Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	8.7	\$288	-51%
Cooling	2.9	\$49	-9%
Hot Water	3.1	\$164	-29%
Lights/Appliances	15.7	\$754	-133%
Photovoltaics	-39.5	\$-1900	335%
Service Charges		\$77	-14%
<b>Total</b>	<b>-9.0</b>	<b>\$-567</b>	<b>100%</b>

## Criteria

This home meets or exceeds the minimum criteria for the following:  
Massachusetts Stretch Energy Code\*  
\* Compliance is determined by the rater.

CLEAResult  
50 Washington St  
Suite 3000  
Westborough, MA 01581

Certified Energy Rater: *Peter Virchick*

REM/Rate - Residential Energy Analysis and Rating Software v14.6.4

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

# Home Energy Rating Certificate

CLEAResult®

Property  
E+ Solutions  
154 Highland Street  
Roxbury, MA 02119

HERS  
Rating Type: Confirmed  
Rating Date: 9/18/2017  
Registry ID: 120577334

Certified Energy Rater: Peter Virchick  
Rating Number: 57102

**HERS Index: -20**

## General Information

Conditioned Area	1435 sq. ft.	House Type	Townhouse, end unit
Conditioned Volume	14374 cubic ft.	Foundation	Unconditioned basement
Bedrooms	3		

## Mechanical Systems Features

Air-source heat pump:	Electric, Htg: 13.5 HSPF. Clg: 30.0 SEER.
Water Heating:	Heat pump, Electric, 3.24 EF, 50.0 Gal.
Duct Leakage to Outside	NA
Ventilation System	Balanced: HRV, 83 cfm, 24.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

## Building Shell Features

Ceiling Flat	R-59.2	Slab	None
Sealed Attic	NA	Exposed Floor	R-49.0
Vaulted Ceiling	R-50.4	Window Type	U-Value: 0.180, SHGC: 0.210
Above Grade Walls	R-43.2	Infiltration Rate	Htg: 1.01 Clg: 1.01 ACH50
Foundation Walls	R-12.0	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)	647	Clothes Dryer EF	2.85
Dishwasher (kWh/yr)	260	Ceiling Fan (cfm/Watt)	0.00

## Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	8.6	\$283	-49%
Cooling	3.0	\$50	-9%
Hot Water	3.1	\$165	-29%
Lights/Appliances	15.6	\$753	-132%
Photovoltaics	-39.5	\$-1900	332%
Service Charges		\$77	-13%
<b>Total</b>	<b>-9.1</b>	<b>\$-572</b>	<b>100%</b>

## Criteria

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50 Washington St  
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Westborough, MA 01581

Certified Energy Rater: *Peter Virchick*

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# Home Energy Rating Certificate

CLEAResult®

Property  
E+ Solutions LLC  
156 Highland Street  
Roxbury, MA 02119

HERS  
Rating Type: Confirmed  
Rating Date: 9/18/17  
Registry ID: 164867907

Certified Energy Rater: Peter Virchick  
Rating Number: 57103

**HERS Index: -22**

## General Information

Conditioned Area	1363 sq. ft.	House Type	Townhouse, end unit
Conditioned Volume	18896 cubic ft.	Foundation	Slab
Bedrooms	2		

## Mechanical Systems Features

Air-source heat pump:	Electric, Htg: 13.5 HSPF. Clg: 30.0 SEER.
Water Heating:	Heat pump, Electric, 3.24 EF, 50.0 Gal.
Duct Leakage to Outside	NA
Ventilation System	Balanced: HRV, 79 cfm, 25.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

## Building Shell Features

Ceiling Flat	NA	Slab	R-20.0 Edge, R-10.0 Under
Sealed Attic	R-60.0	Exposed Floor	NA
Vaulted Ceiling	NA	Window Type	U-Value: 0.180, SHGC: 0.210
Above Grade Walls	R-43.2	Infiltration Rate	Htg: 0.48 Clg: 0.48 ACH50
Foundation Walls	NA	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)	647	Clothes Dryer EF	2.85
Dishwasher (kWh/yr)	260	Ceiling Fan (cfm/Watt)	0.00

## Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	8.8	\$136	-54%
Cooling	2.9	\$24	-9%
Hot Water	2.5	\$65	-26%
Lights/Appliances	14.5	\$339	-133%
Photovoltaics	-37.5	-\$879	345%
Service Charges		\$60	-24%
<b>Total</b>	<b>-8.8</b>	<b>-\$254</b>	<b>100%</b>

## Criteria

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50 Washington St  
Suite 3000  
Westborough, MA 01581

Certified Energy Rater: Peter Virchick

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# Home Energy Rating Certificate

CLEAResult®

Property  
E+ Solutions LLC  
158 Highland Street  
Roxbury, MA 02119

HERS  
Rating Type: Confirmed  
Rating Date: 9/18/2017  
Registry ID: 415537329

Certified Energy Rater: Peter Virchick  
Rating Number: 57104

**HERS Index: -14**

## General Information

Conditioned Area	914 sq. ft.	House Type	Apartment, end unit
Conditioned Volume	8226 cubic ft.	Foundation	Slab
Bedrooms	2		

## Mechanical Systems Features

Air-source heat pump:	Electric, Htg: 13.5 HSPF. Clg: 30.0 SEER.
Water Heating:	Heat pump, Electric, 3.24 EF, 50.0 Gal.
Duct Leakage to Outside	NA
Ventilation System	Balanced: HRV, 62 cfm, 25.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

## Building Shell Features

Ceiling Flat	NA	Slab	R-20.0 Edge, R-10.0 Under
Sealed Attic	NA	Exposed Floor	NA
Vaulted Ceiling	NA	Window Type	U-Value: 0.180, SHGC: 0.210
Above Grade Walls	R-43.2	Infiltration Rate	Htg: 0.50 Clg: 0.50 ACH50
Foundation Walls	NA	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)	647	Clothes Dryer EF	2.85
Dishwasher (kWh/yr)	260	Ceiling Fan (cfm/Watt)	0.00

## Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	3.9	\$62	-68%
Cooling	2.2	\$18	-20%
Hot Water	2.5	\$65	-72%
Lights/Appliances	12.6	\$294	-326%
Photovoltaics	-25.1	\$-589	653%
Service Charges		\$60	-66%
<b>Total</b>	<b>-3.9</b>	<b>\$-90</b>	<b>100%</b>

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