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ENERGY STAR VERSION 3 HOME VERIFICATION SUMMARY

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Date:	August 31, 2015	Rating No.:	HRES-E5-2310
Property:	11 Poplar St. Andover, NH 03216	Rating Org.:	Horizon-RES NH LLC
Builder's Name:	Brad Hardie	Rater's Name:	Kevin Hanlon
Building Name:	HRES-E5-2310	Rater's ID:	5878959
		Rating Date:	07-27-2015

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**Projected Rating: Based on Plans - Field Confirmation Required.**

**Building Information**

Conditioned Area (sq ft):	4842
Conditioned Volume (cubic ft):	39520
Insulated Shell Area (sq ft):	8583
Number of Bedrooms:	4
Housing Type:	Single-family detached
Foundation Type:	Conditioned basement

**Ratings**

HERS Index:	2
HERS Index w/o PV:	36
HERS Index Target (SAF Adjusted):	54
HERS Index of Reference Design Home:	62
Size Adjustment Factor:	0.87

**Building Shell**

Ceiling w/Attic:	None
Sealed Attic:	A,R70,FB,1,8,16 U=0.014
Vaulted Ceiling:	None
Above Grade Walls:	E,R37,I,R15,1,16,6 U=0.021
Found. Walls (Cond):	ER24,IR13 R=37.0
Found. Walls (Uncond):	None
Floors:	None
Slab Floors:	R22,4,R22,99,1,NR U=0.022

Window/Wall Ratio:	0.16
Window Type:	.23 / .22
Window U-Value:	0.230
Window SHGC:	0.220
Infiltration:	Htg: 1.00 Clg: 1.00 ACH50
Duct Leakage to Outside:	NA
Total Duct Leakage:	NA

**Mechanical Systems**

Heating	Air-source heat pump, 6.0 kBtuh, 10.0 HSPF.
Water Heating	Heat pump, Elec, 3.10 EF.
Cooling	Air-source heat pump, 6.0 kBtuh, 21.0 SEER.
Programmable Thermostat:	Heat=Yes; Cool=Yes
Ventilation System:	Balanced: HRV, 61 cfm, 60.0 watts.

**Lights and Appliances**

Percent Interior Lighting:	100.00	Clothes Dryer Fuel:	Electric
Percent Garage Lighting:	100.00	Clothes Dryer EF:	3.01
Refrigerator (kWh/yr):	537.00	Clothes Washer LER:	109.00
Dishwasher kWh/yr:	283.00	Clothes Washer Capacity:	4.20
Ceiling Fan (cfm/Watt):	0.00	Range/Oven Fuel:	Electric

Note: Where feature level varies in home, the dominant value is shown.

**This home MEETS OR EXCEEDS the EPA's requirements for an ENERGY STAR Home.**  
*HERS Index w/o PV  $\leq$  HERS Index of Reference Design Home AND HERS Index  $\leq$  HERS Index Target to comply.*