



New Jersey
Home Performance with ENERGY STAR®
 Home Performance Survey



Customer: _____
 Street: _____
 City: _____ Zip: _____
 Phone: (Home): (_____) _____ - _____
 Phone: (Work): (_____) _____ - _____
 Owner: Yes No/ Name: _____
 Phone: (_____) _____ - _____

Contractor: _____
 Technician: _____
 Date: _____

Air Sealing Safety Requirements:

	OK	Needs Work	Comments
No Unvented fossil fuel appliances	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Asbestos Like Materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Indoor Pool/ Hot tub/ Large fountain	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Visible signs of Active Mold	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Standing water in BSMT or Crawl	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Roof Leaks	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Plumbing Leaks	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
No Exhaust fans vent to attic	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Dryer Properly Vented to outside	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Existing CO Alarm	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

Any issues identified above as "Needs Work" must be repaired to offer/ install Air Sealing (Note: Home must also pass all combustion appliance testing)

Combustion Appliance Testing:

CAZ Depressurization Limit: (Natural draft Individual DHW = -2) (Natural draft heater alone or common with natural draft DHW = -3)
 (Induced draft heater common with natural DHW = -5) (Induced draft individual heater = -15) (Powered vented DHW = -15)
Minimum Draft at Outdoor Temp: 20°/-2.3pa 30°/-2.0pa 40°/-1.7pa 50°/-1.5pa 60°/-1.3pa 70°/-1.0pa 80°/-0.7pa 90°/-0.5pa

Fuel Leak Survey:

Fuel Leaks? No Yes: _____

CAZ Depressurization #1:

N/A – No combustion appliances inside All appliances inside are sealed combustion

Worst Case: Bath exhaust Fans Kitchen Exhaust Clothes Dryer Air Handler/s Bed Doors (+ Closed/ - Open)

Base Pressure(Fans off) CAZ WRT Outside	Worst Case Pres.(Fans on) CAZ WRT Outside	Net Pressure Change (Base to Worst Case) (CAZ Depressurization)	
Pa.	Pa.	Pa.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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Water Heater (DHW):

Location:							
Type	<input type="checkbox"/> Tank- standard	<input type="checkbox"/> Heat Pump	Fuel	<input type="checkbox"/> Nat Gas	Venting	<input type="checkbox"/> Atmospheric	<input type="checkbox"/> Common vented with Heat
	<input type="checkbox"/> Tank- High Effic.	<input type="checkbox"/> On demand		<input type="checkbox"/> Electric		<input type="checkbox"/> Power vented at unit	
	<input type="checkbox"/> Tankless coil	<input type="checkbox"/> Indirect				<input type="checkbox"/> Sealed combustion	

Combustion Testing:

<input type="checkbox"/> N/A- Power/ Sealed Vent	Spillage (<1 minute)	CO (5 minutes) Undiluted	Draft (5 minutes) In Vent
Worst Case (Fans On)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	ppm	Pa.
Natural (if fails worst-case)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	ppm	Pa.

Heating System #1:

Location	% Load	Btu (output)	Manf. Year (≅ Age)
Type	<input type="checkbox"/> Furnace	Fuel	<input type="checkbox"/> Nat Gas
	<input type="checkbox"/> Boiler		<input type="checkbox"/> Oil
	<input type="checkbox"/>		<input type="checkbox"/>
		Details	<input type="checkbox"/> Pilot -OR- <input type="checkbox"/> Electronic Ignition
			<input type="checkbox"/> Condensing <input type="checkbox"/> Vent Damper
		Oil- <input type="checkbox"/> Low speed or <input type="checkbox"/> High speed burner	Venting
			<input type="checkbox"/> Atmospheric
			<input type="checkbox"/> Sealed combustion
			Induced = <input type="checkbox"/> Power vented at unit

Combustion Testing:

<input type="checkbox"/> N/A- Power/ Sealed Vent	Spillage (<1 minute)	CO (5 minutes) Undiluted	Draft (5 minutes) In Vent
Worst Case (Fans On)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	ppm	Pa.
Natural (if fails worst-case)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	ppm	Pa.

Heating Distribution System:

Columns for supply/ return MUST total 100%

Type	Hydronic OR-	Air / Ducts -	% of Total DUCT System is Located in Following areas		% Supply	% Return	R-value
<input type="checkbox"/> Baseboard <input type="checkbox"/> Radiator <input type="checkbox"/> Steam __ pipe <input type="checkbox"/> Radiant	OR- <input type="checkbox"/> Regular Velocity <input type="checkbox"/> High velocity (3" ducts) <input type="checkbox"/> ECM Motor <input type="checkbox"/> Gravity	<input type="checkbox"/> Air / Ducts -	DUCTS OUTSIDE	Attic <input type="checkbox"/> Poorly vented <input type="checkbox"/> Well vented			R-
				Vented Crawlspace <input type="checkbox"/> Crawl Ceiling Insulated			R-
				Enclosed crawlspace <input type="checkbox"/> Ceiling Insulated <input type="checkbox"/> Walls Insulated			R-
				Garage			R-
			DUCTS INSIDE			Conditioned Space- Basement	

Central Cooling System #1:

Location of Indoor coil	% Load	Capacity	Manf. Year (≅ Age)

Cooling Duct System: Shared with Heat System No Yes-Skip this section

Columns MUST total 100%

Type	Hydronic OR-	Air / Ducts -	% of Total DUCT System is Located in Following areas		% Supply	% Return	R-value
<input type="checkbox"/> Baseboard <input type="checkbox"/> Radiator <input type="checkbox"/> Steam __ pipe <input type="checkbox"/> Radiant	OR- <input type="checkbox"/> Regular Velocity <input type="checkbox"/> High velocity (3" ducts) <input type="checkbox"/> ECM Motor <input type="checkbox"/> Gravity	<input type="checkbox"/> Air / Ducts -	DUCTS OUTSIDE	Attic <input type="checkbox"/> Poorly vented <input type="checkbox"/> Well vented			R-
				Vented Crawlspace <input type="checkbox"/> Crawl Ceiling Insulated			R-
				Enclosed crawlspace <input type="checkbox"/> Ceiling Insulated <input type="checkbox"/> Walls Insulated			R-
				Garage			R-
			DUCTS INSIDE			Conditioned Space- Basement	

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Combustion Appliance Testing:

Combustion Appliance <i>(Write-in)</i>	CO Undiluted	Vented to Outside	Comments
	ppm	<input type="checkbox"/> No <input type="checkbox"/> Yes	
Oven	ppm	<input type="checkbox"/> No <input type="checkbox"/> Yes	

CAZ Depressurization #2:

Base Pressure(Fans off) CAZ WRT Outside	Worst Case Pres.(Fans on) CAZ WRT Outside	Net Pressure Change (Base to Worst Case) (CAZ Depressurization)	
Pa.	Pa.	Pa.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Heating System #2: *Note: If more than 2 central heaters – add another page*

Location	% Load	Btu (output)	Manf. Year (≅ Age)																								
<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Type</td> <td style="width: 15%;"><input type="checkbox"/> Furnace</td> <td style="width: 10%;">Fuel</td> <td style="width: 15%;"><input type="checkbox"/> Nat Gas</td> <td style="width: 15%;">Details</td> <td style="width: 15%;"><input type="checkbox"/> Pilot -OR- <input type="checkbox"/> Electronic Ignition</td> <td style="width: 10%;">Venting</td> <td style="width: 10%;"><input type="checkbox"/> Atmospheric</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Boiler</td> <td></td> <td><input type="checkbox"/> Oil</td> <td></td> <td><input type="checkbox"/> Condensing <input type="checkbox"/> Vent Damper</td> <td rowspan="2">Induced =</td> <td><input type="checkbox"/> Sealed combustion</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td></td> <td><input type="checkbox"/></td> <td>Oil- <input type="checkbox"/> Low speed or <input type="checkbox"/> High speed burner</td> <td></td> <td><input type="checkbox"/> Power vented at unit</td> <td><input type="checkbox"/> Needs Work</td> </tr> </table>	Type	<input type="checkbox"/> Furnace	Fuel	<input type="checkbox"/> Nat Gas	Details	<input type="checkbox"/> Pilot -OR- <input type="checkbox"/> Electronic Ignition	Venting	<input type="checkbox"/> Atmospheric		<input type="checkbox"/> Boiler		<input type="checkbox"/> Oil		<input type="checkbox"/> Condensing <input type="checkbox"/> Vent Damper	Induced =	<input type="checkbox"/> Sealed combustion		<input type="checkbox"/>		<input type="checkbox"/>	Oil- <input type="checkbox"/> Low speed or <input type="checkbox"/> High speed burner		<input type="checkbox"/> Power vented at unit	<input type="checkbox"/> Needs Work			
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	<input type="checkbox"/> Boiler		<input type="checkbox"/> Oil		<input type="checkbox"/> Condensing <input type="checkbox"/> Vent Damper	Induced =	<input type="checkbox"/> Sealed combustion																				
	<input type="checkbox"/>		<input type="checkbox"/>	Oil- <input type="checkbox"/> Low speed or <input type="checkbox"/> High speed burner			<input type="checkbox"/> Power vented at unit	<input type="checkbox"/> Needs Work																			

Combustion Testing:

<input type="checkbox"/> N/A- Power/ Sealed Vent	Spillage (<1 minute)	CO (5 minutes) Undiluted	Draft (5 minutes) In Vent
Worst Case (Fans On)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	ppm	Pa.
Natural (if fails worst-case)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	ppm	Pa.

Heating Distribution System:

Columns for supply/ return MUST total 100%

Type	Hydronic OR-	Air / Ducts -	% of Total DUCT System is Located in Following areas		% Supply	% Return	R-value
<input type="checkbox"/> Baseboard <input type="checkbox"/> Radiator <input type="checkbox"/> Steam __ pipe <input type="checkbox"/> Radiant	OR- <input type="checkbox"/> Regular Velocity <input type="checkbox"/> High velocity (3" ducts) <input type="checkbox"/> ECM Motor <input type="checkbox"/> Gravity	- <input type="checkbox"/> Regular Velocity <input type="checkbox"/> High velocity (3" ducts) <input type="checkbox"/> ECM Motor <input type="checkbox"/> Gravity	DUCTS OUTSIDE	Attic <input type="checkbox"/> Poorly vented <input type="checkbox"/> Well vented			R-
				Vented Crawlspace <input type="checkbox"/> Crawl Ceiling Insulated			R-
				Enclosed crawlspace <input type="checkbox"/> Ceiling Insulated <input type="checkbox"/> Walls Insulated			R-
				Garage			R-
						DUCTS INSIDE	Conditioned Space- Basement

Central Cooling System #2: *(Note: If more than 2 central systems – add another page)*

Location of Indoor coil	% Load	Capacity	Manf. Year (≅ Age)

Cooling Duct System: Shared with Heat System No Yes-Skip this section

Columns MUST total 100%

Type	Hydronic OR-	Air / Ducts -	% of Total DUCT System is Located in Following areas		% Supply	% Return	R-value
<input type="checkbox"/> Baseboard <input type="checkbox"/> Radiator <input type="checkbox"/> Steam __ pipe <input type="checkbox"/> Radiant	OR- <input type="checkbox"/> Regular Velocity <input type="checkbox"/> High velocity (3" ducts) <input type="checkbox"/> ECM Motor <input type="checkbox"/> Gravity	- <input type="checkbox"/> Regular Velocity <input type="checkbox"/> High velocity (3" ducts) <input type="checkbox"/> ECM Motor <input type="checkbox"/> Gravity	DUCTS OUTSIDE	Attic <input type="checkbox"/> Poorly vented <input type="checkbox"/> Well vented			R-
				Vented Crawlspace <input type="checkbox"/> Crawl Ceiling Insulated			R-
				Enclosed crawlspace <input type="checkbox"/> Ceiling Insulated <input type="checkbox"/> Walls Insulated			R-
				Garage			R-
						DUCTS INSIDE	Conditioned Space- Basement

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Building Information:

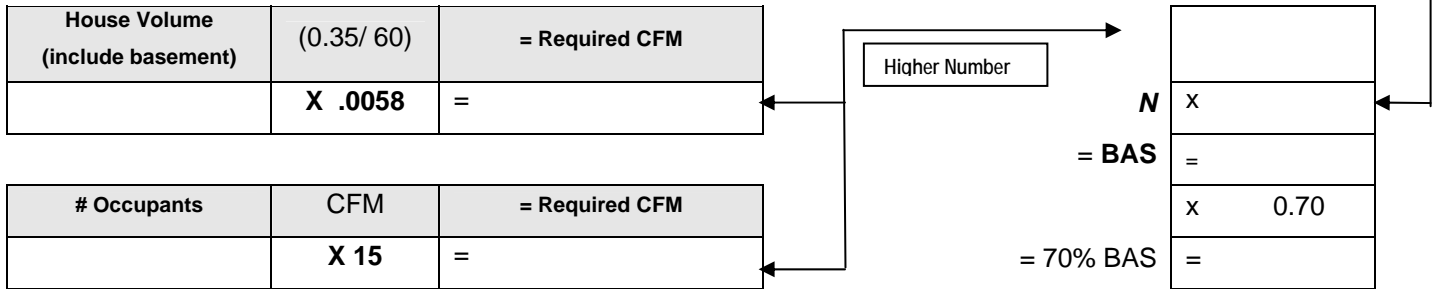
Demographics: (# Occupants)		<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> _____				
Building Layout	Orientation: Front entrance of house faces:	<input type="checkbox"/> North <input type="checkbox"/> NE <input type="checkbox"/> East <input type="checkbox"/> SE <input type="checkbox"/> South <input type="checkbox"/> SW <input type="checkbox"/> West <input type="checkbox"/> NW				
	Attachment: There is another dwelling attached to the following building surfaces (e.g. Townhomes, Rowhomes, Duplex)	<input type="checkbox"/> N/A <input type="checkbox"/> Above <input type="checkbox"/> Below <input type="checkbox"/> Front <input type="checkbox"/> Left <input type="checkbox"/> Back <input type="checkbox"/> Right				
	Buffered Walls: The following walls are at least partially buffered by an unconditioned space (e.g., garage, sunroom)	<input type="checkbox"/> N/A <input type="checkbox"/> Front <input type="checkbox"/> Left <input type="checkbox"/> Back <input type="checkbox"/> Right				
	Walls: The building has <u>Above Grade</u> walls that are	<input type="checkbox"/> Wood Frame <input type="checkbox"/> Balloon <input type="checkbox"/> Platform <input type="checkbox"/> Masonry				
	Floors: Dwelling has floors that are over (check all that apply)	<input type="checkbox"/> Unheated Basement <input type="checkbox"/> Unheated Crawlspace <input type="checkbox"/> Slab <input type="checkbox"/> Heated Basement <input type="checkbox"/> heated Crawlspace <input type="checkbox"/> Overhang <input type="checkbox"/> Other unconditioned space (e.g. garage)				
	# Conditioned Floors <input style="width: 50px; height: 20px;" type="text"/> <i>(Full Stories Above Grade)</i>	Conditioned Area (sq. Ft)- above grade: <input style="width: 100px; height: 20px;" type="text"/>	Avg Ceiling Height (ft.): Or		<input style="width: 100px; height: 20px;" type="text"/> Conditioned Volume (cu. ft.)- above grade:	
Shell Basics	Infiltration Assessment: <i>(Estimated from Visual Inspection)</i>	<input type="checkbox"/> <u>Low infiltration</u> (some attic air sealing already completed) <input type="checkbox"/> <u>Medium infiltration</u> (typical NJ home- no attic air seal completed) <input type="checkbox"/> <u>High infiltration</u> (Balloon framed- major attic bypasses)				
	Windows: <i>(Predominant window type)</i> <i>(Check one Type & Frame)</i>	Glazing: Frame:	<input type="checkbox"/> Single pane <input type="checkbox"/> Single w/ storm <input type="checkbox"/> Double pane <input type="checkbox"/> Double w/ low-e <input type="checkbox"/> Wood <input type="checkbox"/> Vinyl <input type="checkbox"/> Metal <input type="checkbox"/>			
	Attic/ Roof:	Insulation: Condition: Ventilation:	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> < R-19 <input type="checkbox"/> R19 – R38 <input type="checkbox"/> R38+ <input type="checkbox"/> Unknown <input type="checkbox"/> Good, no noticeable voids <input type="checkbox"/> Fair, small voids <input type="checkbox"/> Poor, large voids <input type="checkbox"/> None <input type="checkbox"/> Low <input type="checkbox"/> Code (default) <input type="checkbox"/> High <input type="checkbox"/> Don't know			
Shell Details	Thermal Boundary Construction/ Insulation:					
	Exposed wood frame walls	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown				
	Exposed masonry walls	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown				
	Buffered walls (all types)	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown				
	Exposed floors	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown				
	Buffered floors	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown				
	Foundation Construction/ Insulation:					
Basement masonry walls	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown					
Crawlspace masonry walls	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown					
Slab	<input type="checkbox"/> N/A <input type="checkbox"/> None <input type="checkbox"/> <R11 <input type="checkbox"/> R11+ <input type="checkbox"/> Unknown					

Comments: _____

Home Performance with ENERGY STAR

Building Airflow Standard (BAS):

Full Stories Above Grade = *N* Factor: 1= 18.5 1.5= 16.5 2= 15 2.5= 14 3= 13.3



Blower Door Test:

Base (A) Pressure	House (A) Pressure	Fan (B) Pressure	Fan Configuration	CFM Fan Flow	Can't Reach 50 Factor	CFM ₅₀
			<input type="checkbox"/> Open <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C			

Existing Insulation: (Only record information for areas that you propose to upgrade)

Insulation Types:	Quality
<i>N = None</i> <i>ICY = Icynene</i> <i>CE = Cellulose</i> <i>FG = Fiberglass Batt</i> <i>RF = Rigid Foam Board</i> <i>P = Spray polyurethane</i> <i>BFG = Blown FG</i> <i>CR = Cross Batt</i> <i>R= Rock/ Mineral wool</i>	<i>Good = No Gaps or Compression</i> <i>Fair = > 21/2 % Gaps</i> <i>Poor = > 5% Gaps</i>

Attics/ Ceilings

Attic venting rate Use 1:300 in HomeCheck

Insulation

Location	Framing	Area Sq. Ft.	Ins. Type	Thickness	Quality	R- Value
	2 x @ O.C.			In.	G F P	R-
	2 x @ O.C.			In.	G F P	R-
	2 x @ O.C.			In.	G F P	R

Above Grade Walls:

Siding Type: _____

Insulation

Location	Buffered?	Framing	Area Sq. Ft.	Ins. Type	Thickness	Quality	R- Value
	<input type="checkbox"/> Yes	2 x @ O.C.			In.	G F P	R-
	<input type="checkbox"/> Yes	2 x @ O.C.			In.	G F P	R-
	<input type="checkbox"/> Yes	2 x @ O.C.			In.	G F P	R-

Framed Floors:

Insulation

Location	Framing	Area Sq. Ft.	Ins. Type	Thickness	Quality	R- Value
	2 x @ O.C.			In.	G F P	R-
	2 x @ O.C.			In.	G F P	R-
	2 x @ O.C.			In.	G F P	R
Band Joists	2 x @ O.C.			In.	G F P	R

Foundation Walls & Slabs:

Insulation

Location/ Type	Area Sq. Ft	Ins. Type	Thickness	Quality	R- Value
			In.	G F P	R-
			In.	G F P	R-
			In.	G F P	R