ICF INTERNATIONAL

BEACON
Home Energy Advisor™

Data Collection Form

Inspection Date: _____

Customer Information

Customer First Name: _____

Customer Last Name: _____

Customer Street Address: _____

City/Town: _____

State: _____

Zip Code: _____

Customer Phone Number: _____

Household Information

o Single-Fam Detached o Duplex/Townhouse End o Townhouse Int Unit

o Apartment w/2-4 Units o Apartment w/5+ Units o Mobile Home

Number of Occupants: _____

Stories Above Grade: 1 1.5 2 2.5 3

House Faces: N NE E SE S SW W NW

Sheilding on Home: o Exposed o Normal o Well-Shielded

Primary Foundation: o Basement o Slab o Crawl-Closed o Crawl-Open

Household Systems & Appliances Information

Main Space Heating Fuel: o Gas o Electricity o Oil o Propane

Back up Elec. Heat? o Yes o No

Air Conditioning? o Yes o No

Main Water Heating Fuel: o Gas o Electricity o Oil o Propane

Cooking Fuel: o Gas o Electricity o Propane

Cooking Frequency: o >75% meals o 50-75% meals o 33-50% meals

o 25%-33% meals o ≤25% meals

Dryer Fuel: o Gas o Electricity o Propane

Loads/Wk (Gas/Propane): _____

Contractor Information

Company Name: _____

Inspector Name(s): _____

Weather Information

Temp Outside (F) During Assessment: _____

Utility Information

Electric Service Provider: _____

Electric Utility Account Number: _____

Fuel Service Provider: _____

Fuel Service Account Number: _____

Pool Information

Pool Open Date: _____

Pool Close Date: _____

Pool Pump Hrs/Day: _____

Pool Pump HrsPwr: _____

If Pool is Heated

Pool Htg Fuel: _____

% Hrs Pool is Heated: _____

Pool Heating Set Point (F): _____

Pool Surf Area (ft^2): _____

% Pool Surface Shaded: _____

Pool Heater Efficiency: _____

Pool Notes: _____

Consumption Data

Electricity

Price/kWh($)_____

Monthly Consumption		
Month	Day	Consumption

Natural Gas

Units (circle one): Therms CCF

Price/Unit ($)_____

Monthly Consumption		
Month	Day	Consumption

Propane

Units (circle one): Gallons Pounds

Price $/Unit _____

Annual Consumption: _____

Oil

Price $/Gallon: _____

Annual Consumption: _____

House Dimensions

	1st Floor	2nd Floor	3rd Floor
Front of Home (feet)			
Side of Home (feet)			
Add'l Section 1: Length of Wall Parallel to Main Wall (ft)			
Add'l Section 1:Length of Walls Adjutting from House (ft)			
Add'l Section 2:Length of Wall Parallel to Main Wall (ft)			
Add'l Section 2 Length of Walls Adjutting from House (ft)			
Floor Height (ft)			
Total Conditioned Area per Floor (ft^2)			
Total Conditioned Area for Home (ft^2)			
Total Conditioned Space per Floor (volume)			
Total Conditioned Space per Home (volume)			
Address House Drainage Concerns o Yes o No			
Repair Exterior Siding, Facia, Trim, or Flashing o Yes o No			

Alternate entry for complicated geometries

	1st Floor	2nd Floor	3rd Floor
Conditioned Area (ft^2)			
Perimeter (ft)			
Floor Height (ft)			
Total Conditioned Space (ft^3)			

Sketch of House & Notes:

Windows and Glass Doors - ***Use Opt. 1 OR Opt. 2***			Window Grp. #1	Window Grp. #2	Window Grp. #3	Window Grp. #4	Window Grp. # 5
Option 1	Entry for grp. (ft^2) if Fields Below are Blank						
Option 2	Window grp. Avg. Height Inches						
	Window grp. Avg. Width Inches						
Window grp. # of Windows							
Existing Widow Glass Type		Number of panes					
		Finish	o Clear o Tinted o Reflective	o Clear o Tinted o Reflective	o Clear o Tinted o Reflective	o Clear o Tinted o Reflective	o Clear o Tinted o Reflective
		Emissivity	o Standard o Low-E	o Standard o Low-E	o Standard o Low-E	o Standard o Low-E	o Standard o Low-E
Existing Storm Windows?			o Yes o No	o Yes o No	o Yes o No	o Yes o No	o Yes o No
Percent of Window Group Facing the Sun (South)							
Description of Window Group (if improvements made)							
Proposed Replacement U-Value/ Add Storm Window			o + Storms	o + Storms	o + Storms	o + Storms	o + Storms
Additional Proposed U-Value Action							
Recommended Replacement SHGC							
Additional Proposed Window SHGC Action			o + Tint o + Screens	o + Tint o + Screens	o + Tint o + Screens	o + Tint o + Screens	o + Tint o + Screens

Windows Notes:

Doors	Door Type # 1	Door Type # 2	Door Type # 3	Door Type # 4	Door Type #5
Number of Exterior Doors					
Exterior Door Characteristics	o Insulated o Wood Pan. o Solid Core Wood	o Insulated o Wood Pan. o Solid Core Wood	o Insulated o Wood Pan. o Solid Core Wood	o Insulated o Wood Pan. o Solid Core Wood	o Insulated o Wood Pan. o Solid Core Wood
Existing Storm Door	o Yes o No	o Yes o No	o Yes o No	o Yes o No	o Yes o No
Desription of Door(s) (for Report)					
Proposed Door Action	o Insulated Door o Storm Door	o Insulated Door o Storm Door	o Insulated Door o Storm Door	o Insulated Door o Storm Door	o Insulated Door o Storm Door

Doors Notes:

Exterior Walls		Section 1	Section 2	Section 3	Section 4	Section 5
Wall Section Percent of Total Wall Area						
Wall Cavity Depth, Nominal Inches						
Existing Wall Insulation Condition		o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good
Description of Wall Section (for Report)						
Proposed Wall Insulation	Fiberglass	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray
	Cellulose	o Packed o Wet spray	o Packed o Wet spray	o Packed o Wet spray	o Packed o Wet spray	o Packed o Wet spray
	Foam	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density

Walls Notes:

Cantilevers, Clgs Over Garages & Open Crawls		Section 1	Section 2	Section 3	Section 4	Section 5
Area Type		o Cantilever o Clg over Bsmt Gar o Clg over 1st Fl Gar o Floor over Open Crawl	o Cantilever o Clg over Bsmt Gar o Clg over 1st Fl Gar o Floor over Open Crawl	o Cantilever o Clg over Bsmt Gar o Clg over 1st Fl Gar o Floor over Open Crawl	o Cantilever o Clg over Bsmt Gar o Clg over 1st Fl Gar o Floor over Open Crawl	o Cantilever o Clg over Bsmt Gar o Clg over 1st Fl Gar o Floor over Open Crawl
Length (ft)						
Width (ft)						
Existing Insulation Depth						
Existing Insulation Condition		o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good
Description of area (for Report)						
Proposed Cavity Insulation Material	Fiberglass	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray	o Std. o Hi-Density o Packed o Wet spray
	Cellulose	o Packed o Wet spray	o Packed o Wet spray	o Packed o Wet spray	o Packed o Wet spray	o Packed o Wet spray
	Foam	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density	o Hi-Density o Lo-Density
Proposed Cavity Insulation Depth (To Be Installed)						
Add Continuous Rigid Foamboard?	XPS	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"
	Polyiso	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"
	MEPS	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"
	Polyureth'ne	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"

Cantilever Notes:

Attic Insulation		Area 1	Area 2	Area 3	Area 4	Area 5
Flats	Attic Area Length (ft)					
	Attic Area Width (ft)					
Slopes	Attic Area (ft^2)					
	Slope					
	(Use HEA Asst. spreadsheet to find Length, Width)					
Existing Insulation Type						
Existing Insulation Level, (Inches- Round up for Batts)						
Existing Condition		o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good
Attic Group Description (for Report)						
Proposed Insulation Material						
Proposed Insulation Depth (inches to be installed)						
Seal/Insulate Recessed Lights (Enter#)						
Seal/Insulate Attic Access Hatches (Enter#)						
Treat Major Attic Bypasses		oYes oNo	oYes oNo	oYes oNo	oYes oNo	oYes oNo
Install New Exhaust Fans & Vent Properly (Enter#)						
Insulate & Vent Existing Exhaust Fans (Enter#)						
Install Attic Ventilation (vents, baffles)		oYes oNo	oYes oNo	oYes oNo	oYes oNo	oYes oNo

Attic Notes:

Kneewall and Vertical Attic Walls		Area 1	Area 2	Area 3	Area 4	Area 5
Kneewall/Vertical Attic Wall, Width (ft)						
Kneewall/Vertical Atic Wall, Height (ft)						
Kneewall/Vertical Attic Wall Area (ft^2)						
Existing Insulation Depth						
Existing Condition		o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good
Kneewall/Vert Wall Section Description (for Report)						
Proposed Insulation Material						
Proposed Insulation Depth (inches to be installed)						
Add Continous Rigid Foamboard		o Yes o No	o Yes o No	o Yes o No	o Yes o No	o Yes o No
Add Continuous Rigid Foamboard?	XPS	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"
	Polyiso	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"
	MEPS	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"
	Polyureth'ne	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"	o 1" o 2"

Kneewall Notes:

Basement and Enclosed Crawlspaces	Section 1	Section 2	Section 3	Section 4	Section 5
Basement /Crawlspace Characteristics	o Conditioned o Slab o Unconditioned	o Conditioned o Slab o Unconditioned	o Conditioned o Slab o Unconditioned	o Conditioned o Slab o Unconditioned	o Conditioned o Slab o Unconditioned
Basement/Crawlspace Area as % of 1st Floor					
Basement/Crawlspace Ceiling Height (ft)					
Existing Insulation Depth					
Existing Insulation Condition	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good
Basement/Crawlspce Section Description (for Report)					
Proposed Insulation Material					
Proposed Insulation Depth (inches to be installed)					
Waterproof/Vapor Barrier Basement/Crawl Walls/Floor	o Yes o No	o Yes o No	o Yes o No	o Yes o No	o Yes o No

Basement and Enclosed Crawlspace Notes:

Rim Joist & Band Joist	Section 1	Section 2	Section 3	Section 4	Section 5
Rim Joist or Band Joist Length (linear feet)					
Existing Insulation Depth					
Existing Insulation Condition	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good	o None o Poor o Moderate o Good
Rim Joist & Band Joist Description (for Report)					
Proposed Insulation Material					
Proposed Insulation Depth (inches to be installed)					

Rim Joist Notes:

Lighting	Existing Watts	Hours/Day	New Watts	Quantity
Replacement CFL's Group 1				
Replacement CFL's Group 2				
Replacement CFL's Group 3				

Lighting Notes:

Appliances	Vintage (Yr)	Existing Characteristics	Replace w/ ENERGY STAR
Clothes Washer		o Standard o Compact o No dryer o '05 dryer o '00 dryer o '95 dryer o '90 dryer	o Yes o No
Dehumidifier		o Standard o High Capacity	o Yes o No
Dishwasher		o Standard o Compact	o Yes o No
Refrigerator 1		o <18ft3 o 18-21ft3 o 22+ft3 o No Freezer	o Yes o No
Refrigerator 2		o <18ft3 o 18-21ft3 o 22+ft3 o No Freezer	o Yes o No
Freezer		o Chest o Upright	o Yes o No

Appliance Notes:

Oven Carbon Monoxide Testing	Oven 1	Oven 2
Oven Fuel Type	o Gas o Electric o Propane	o Gas o Electric o Propane
CO Level from Oven(s)		
Oven Description (for Report)		
Proposed Action on Oven(s)	o Clean & Tune o Install CO Dectector o Both	o Clean & Tune o Install CO Dectector o Both

Ambient Carbon Monoxide Testing	Area 1	Area 2
Ambient CO in Living Space		
Area Description (for Report)		
Proposed Action(s) to Address CO:	o Install CO detector o Mitigate CO o Both	o Install CO detector o Mitigate CO o Both

Carbon Monoxide Notes:

Combustion Appliance Zone Testing		CAZ 1	CAZ 2	CAZ 3	CAZ 4
Check Venting Configuration for each CAZ					
Isolated Zone	Limit: N/A	o	o	o	o
Orphan DHW	Limit: -2 Pa	o	o	o	o
Natural Draft Furnace/Boiler + DHW	Limit: -3 Pa	o	o	o	o
Natural Draft Furnace/Boiler + DHW w/ Damper	Limit: -5 Pa	o	o	o	o
Nautral Draft Furnace/Boiler	Limit: -5 Pa	o	o	o	o
Mech Assist Furnace/Boiler + DHW	Limit: -5 Pa	o	o	o	o
Mech Assist Furnace/Boiler or DHW Alone	Limit: -15 Pa	o	o	o	o
Chimney-Top Fan; Hi-Static Press. Flame Retention Head Boiler; Sealed Comb.	Limit: -50 Pa	o	o	o	o
Worst Case Depressurization Swing (Pa)					
Worst Case Depressurization Pass/Fail		o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Ambient CO in CAZ Zone (ppm)					
Ambient CAZ CO Test Pass/Fail		o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
CAZ Zone Description (for Report)					
Provide Make-Up Air to CAZ?		o Yes o No	o Yes o No	o Yes o No	o Yes o No
Number of Gas Leaks Found					
Fix Gas Leaks?		o Yes o No	o Yes o No	o Yes o No	o Yes o No

CAZ Notes:

Domestic Hot Water	System 1	System 2	System 3	System 4
DHW System Fuel				
Venting Configuration	o Electric, indirect tank, tankless coil	o Electric, indirect tank, tankless coil	o Electric, indirect tank, tankless coil	o Electric, indirect tank, tankless coil
	o Isolated Zone	o Isolated Zone	o Isolated Zone	o Isolated Zone
	o Natural Draft	o Natural Draft	o Natural Draft	o Natural Draft
	o Natural Draft - Commonly Vented	o Natural Draft - Commonly Vented	o Natural Draft - Commonly Vented	o Natural Draft - Commonly Vented
	o Mechanically Assisted	o Mechanically Assisted	o Mechanically Assisted	o Mechanically Assisted
	o B-Vent	o B-Vent	o B-Vent	o B-Vent
	o Direct-/Power-Vented	o Direct-/Power-Vented	o Direct-/Power-Vented	o Direct-/Power-Vented
% Load served by System				
DHW System Efficiency				
DHW System Setpoint (°F)				
Worst-Case Combustion Testing	System 1	System 2	System 3	System 4
Worst-Case Spillage	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Worst-Case Draft (Pa)				
Worst-Case Draft Test Result	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Worst-Case CO (ppm)				
Worst-Case CO Test Result	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service
Worst-Case Testing w/ Htg Sys on	System 1	System 2	System 3	System 4
Worst-Case w/ Htg Sys Spillage	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Worst-Case w/ Htg Sys Draft				
Worst-Case w/ Htg Draft Result	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Natural Combustion Testing (if needed)	System 1	System 2	System 3	System 4
Natural Spillage	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Natural Draft (Pa)				
Natural Draft Result	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Natural CO Emissions (ppm)				
Natural CO Test Result	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service
Natural Testing w/ Htg Sys on (if needed)	System 1	System 2	System 3	System 4
Natural w/ Htg Sys Spillage	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Natural w/ Htg Sys Draft (Pa)				
Natural w/ Htg Sys Draft Result	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Sys Description (for Report)				
DWH Proposed Actions	o Tune-up o System/Vent Repair o System Replacement	o Tune-up o System/Vent Repair o System Replacement	o Tune-up o System/Vent Repair o System Replacement	o Tune-up o System/Vent Repair o System Replacement
Proposed System(s) to Replace (Check all that apply)	o Sys 1 o Sys 2 o Sys 3 o Sys 4	o Sys 1 o Sys 2 o Sys 3 o Sys 4	o Sys 1 o Sys 2 o Sys 3 o Sys 4	o Sys 1 o Sys 2 o Sys 3 o Sys 4
New System Fuel Type				
New System Energy Factor				
New Sys Manufacturer/Brand				
New Sys Model Number				
Wrap Water Heater Tank	o Yes o No	o Yes o No	o Yes o No	o Yes o No
Install Heat Trap	o Yes o No	o Yes o No	o Yes o No	o Yes o No
Insulate DHW Pipes	o Yes o No	o Yes o No	o Yes o No	o Yes o No

DHW Notes:

Water Conservation Measures

Low Flow Showerheads	Replace	of	showerheads in the home.
Low Flow Faucet Aerators	Replace	of	faucet aerators in th home.

Water Conservation Notes:

Heating Systems	System 1	System 2	System 3	System 4
System Fuel Type				
System Venting Configuration	o Electric	o Electric	o Electric	o Electric
	o Isolated Zone	o Isolated Zone	o Isolated Zone	o Isolated Zone
	o Natural Draft	o Natural Draft	o Natural Draft	o Natural Draft
	o Natural Draft - Commonly Vented	o Natural Draft - Commonly Vented	o Natural Draft - Commonly Vented	o Natural Draft - Commonly Vented
	o Fan Assisted/Induced Draft	o Fan Assisted/Induced Draft	o Fan Assisted/Induced Draft	o Fan Assisted/Induced Draft
	o B-Vent	o B-Vent	o B-Vent	o B-Vent
	o Direct-/Power-Vented	o Direct-/Power-Vented	o Direct-/Power-Vented	o Direct-/Power-Vented
	o Sealed Combustion	o Sealed Combustion	o Sealed Combustion	o Sealed Combustion
% Load Served by System				
Distribution System Type	o Air o Hydronic o El. Resist.	o Air o Hydronic o El. Resist.	o Air o Hydronic o El. Resist.	o Air o Hydronic o El. Resist.
Capacity (kBtu/hr)				
Efficiency				
Efficiency Units	o AFUE o HSPF o COP	o AFUE o HSPF o COP	o AFUE o HSPF o COP	o AFUE o HSPF o COP
Efficiency Source	o Nominal o Tested	o Nominal o Tested	o Nominal o Tested	o Nominal o Tested
Worst-Case Combustion Testing	System 1	System 2	System 3	System 4
Worst-Case Spillage	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Worst-Case Draft (Pa)				
Worst-Case Draft Test Result	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Worst-Case CO (ppm)				
Worst-Case CO Test Result	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service
Natural Combustion Testing (if needed)	System 1	System 2	System 3	System 4
Natural Spillage				
Natural Draft (Pa)				
Natural Draft Result	o Pass o Fail	o Pass o Fail	o Pass o Fail	o Pass o Fail
Natural CO Emissions (ppm)				
Natural CO Test Result	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service	o Pass o Fail o Rec. Service
Sys. Description (for Report)				
Proposed Action	o Tune-up o System/Vent Repair o System Replacement	o Tune-up o System/Vent Repair o System Replacement	o Tune-up o System/Vent Repair o System Replacement	o Tune-up o System/Vent Repair o System Replacement
Proposed System(s) to Replace (Check all that apply)	o Sys 1 o Sys 2 o Sys 3 o Sys 4	o Sys 1 o Sys 2 o Sys 3 o Sys 4	o Sys 1 o Sys 2 o Sys 3 o Sys 4	o Sys 1 o Sys 2 o Sys 3 o Sys 4
New System Fuel Type				
New Heat System Efficiency				
New Efficiency Units	o AFUE o HSPF o COP	o AFUE o HSPF o COP	o AFUE o HSPF o COP	o AFUE o HSPF o COP
New Sys Manufacturer/Brand				
New Sys Model Number				
New Sys AHRI Reference Number				
Install Set-Back Thermostat to Replace Conventional	o For Heating System Only o No o For Both Heating & Cooling System	o For Heating System Only o No o For Both Heating & Cooling System	o For Heating System Only o No o For Both Heating & Cooling System	o For Heating System Only o No o For Both Heating & Cooling System
Number of T-stats Installed				

Heating Notes:

Cooling Systems	System 1	System 2	System 3	System 4
Type of Cooling System	o Central o Window/RAC	o Central o Window/RAC	o Central o Window/RAC	o Central o Window/RAC
% Load Served by each System				
Capacity (Tons)				
Existing System Vintage (install date)				
Existing Rated System Performance	o Standard o High-Efficiency	o Standard o High-Efficiency	o Standard o High-Efficiency	o Standard o High-Efficiency
Cooling Sys. Description (for Report)				
Cooling Sys. Proposed Action	o Tune-Up o Replacement	o Tune-Up o Replacement	o Tune-Up o Replacement	o Tune-Up o Replacement
Efficiency After Work				
Efficiency Units After Work	o SEER o EER o COP	o SEER o EER o COP	o SEER o EER o COP	o SEER o EER o COP
Proposed Cool Sys Manufacturer				
Proposed Cool Sys Model Number				
Proposed Cool Sys AHRI Number				
Number of Units Replaced if Room A/C				
Install Set-Back Thermostat to Replace Conventional	o For Cooling System Only o No o For Both Heating & Cooling System	o For Cooling System Only o No o For Both Heating & Cooling System	o For Cooling System Only o No o For Both Heating & Cooling System	o For Cooling System Only o No o For Both Heating & Cooling System
Number of T-stats Installed				

Cooling Notes:

Duct Systems

Enter Duct Location Outside Conditioned Space	o Attic o Exterior Wall	o Unconditioned Basement/Crawl o In Slab	o Conditioned Space o Garage	
% Ductwork Outside Conditioned Space				
Existing Duct Insulation R-Value (if any)				
Proposed Final Duct Insulation R-Value				
Leakage Based on:	o Leakage Test	o Visual Inspection		
Existing Duct Leakage	CFM_{25}:	o Loose	o Moderate	o Tight
Proposed Final Duct Leakage	CFM_{25}:	o Loose	o Moderate	o Tight

Duct Notes:

Air Leakage

Leakage Based on:	o Blower Door Test	o Visual Inspection		
Existing Envelope Leakage	CFM_{50}:	o Very Loose o Tight	o Loose o Very Tight	o Normal
BAS (See Workspace Below)				
Home CFM_{50} vs. Minimum CFM_{50}				
Proposed Air Sealing Level	CFM_{50}:	o None o Heavy	o Light o Very Heavy	o Moderate

Air Sealing Notes:

Health and Safety (Notes)

Workspace for BAS Calculation

Step 1: Ventilation Required for Building

Airflow (cfm) = 0.35 x Volume / 60

= 0.35 x _____/60 =_____cfm

Step 2: Ventilation Required for People

Airflow (cfm) = 15 x occupants (occupants = bedrooms +1)

= 15 x _____ = _____cfm

Step 3: Using Higher Airflow Requirement, Convert to CFM_{50}

Minimum CFM_{50} = Airflow (cfm) x N

= _____ x _____ = _____CFM_{50}

Step 4: Multiply BAS x 0.7 for Acceptable Range

BAS x .7 = _____ CFM_{50} x .7 = _____CFM_{50} BAS Range: _____ CFM_{50} to _____ CFM_{50}