



SINGLE FAMILY

Austin City Code Chapter 6-7, June 2009

ECAD Energy Audit Results

For Residence: 3210 ENFIELD RD Austin, TX, 78703

Audit Date: 1/21/2017

Thank you for complying with the City of Austin's ECAD Ordinance, which requires homeowners to provide these energy audit results to buyers.

SAVE THIS FORM! This ECAD audit is valid for 10 years after the audit date.

This audit helps you identify energy efficiency improvements that could lower your monthly energy costs and make your home more comfortable. Austin Energy's Home Performance with ENERGY STAR® program offers rebates and low-interest loans that make these improvements more affordable. Before you begin making any home energy efficiency improvements, be sure to get the latest program details from **austinenergy.com** or by calling **512-482-5346**.

ENERGY AUDIT SUMMARY

	Action Recommended?	Potential Annual Savings*:
A. Windows and Shading	Yes	\$100
B. Attic Insulation	No	
C. Air Infiltration and Duct Sealing	Yes	\$120
D. Heating and Cooling System Efficiency (HVAC)	Yes	\$270
Total Annual Savings:		\$490

HOME IMPROVEMENT RECOMMENDATIONS:

Austin Energy recommends the following actions based on the energy audit performed by
of Green Leaf Energy

- A. Improving your windows and/or adding shading reduces the heat that the Texas sun adds to your house.
- B. No Attic insulation recommendations.
- C. Sealing or replacing the air conditioning duct-work can reduce your electric bill and make your home more comfortable. The duct system must be properly sized and in good condition or the heating and cooling system will run longer and cool less efficiently.
- D. Consider replacing your HVAC system with an energy efficient model. Show the audit results to an HVAC professional, who will ensure that your heating and cooling system is right-sized and operating efficiently.

We appreciate your support of the ECAD ordinance and your efforts to make Austin the most livable city in the country.

DISCLOSURES: Figures are based on an estimate from the average single-family house in Austin (1800 - 2000 sq. ft.) that has made improvements through an efficiency program by Austin Energy or Texas Gas Service. Weather, equipment installation and electric usage will all effect actual savings. There is no guarantee or warranty, either expressed or implied, as to the actual effectiveness, cost or utility savings, if you choose to implement these recommendations.

The Energy Conservation Audit and Disclosure is not required to be included in the sales contract nor the Seller's Disclosure form (Texas Real Estate Commission), but instead is a stand-alone requirement of the City of Austin.



SINGLE FAMILY

Energy Audit Data

DATA SUMMARY

Submission Date: 1/21/2017

PROPERTY

Austin Energy Electric Meter Number: 3273074
Owner Name: NZ BLUE HOLE EIGHT LLC
Street Address: 3210 ENFIELD RD
City, State, Zip Code: Austin, TX, 78703

Tax Assessor's Property ID: 521386
Year Built: 2003
Estimated Square Footage: 3,130

AUDITOR

Auditor: Vance Acker
Company Name: Green Leaf Energy

Phone Number: (512) 922-7522
Property Audit Date: 1/21/2017

WINDOWS & SHADING

Type(s) of Window(s): Double Pane, Low E Windows Installed
Type(s) of Existing Solar Shading: Awnings providing shading.

ATTIC INSULATION

Attic Insulation Type: LF- Fiberglass & Insulsafe
Open Chases(s): No chases in residence.

Average R-Value: 26

HEATING & COOLING AIR DUCT SYSTEM

HVAC SYSTEM: Condenser: Manufacturing Date: 2009 Estimated EER: 11.5
Furnace/AH: Manufacturing Date: post-06 Estimated AFUE: 80
HVAC Duct Air Leakage: 170 CFM % Leakage: 14.2 %
Duct System Type(s) Mylar Flex
Enrolled in the Austin Energy Power Partner Thermostat Program: No


ADDITIONAL SYSTEM: Condenser: Manufacturing Date: 2003 Estimated EER: 11.5
Furnace/AH: Manufacturing Date: 90-05 Estimated AFUE: 60
HVAC Duct Air Leakage: 220 CFM % Leakage: 18.3 %
Duct System Type(s): Mylar Flex
Enrolled in the Austin Energy Power Partner Thermostat Program: No

AIR INFILTRATION/WEATHERIZATION

Exterior doors: weather-stripped? Yes Attic access: weather-stripped? Yes
Plumbing penetrations: sealed? Plumbing penetration sealing needed

ADDITIONAL AUDIT INFORMATION

Domestic Water Heater Type(s): Standard Fuel Type: Natural Gas
Type(s) of Toilet(s): 4 Low efficiency toilet(s)

PROPERTY IDENTIFICATION						Outdoor Temperature F 72.0			
County Travis	Property ID 521386	Property Type Single Family		Building Count 1					
Meter Number 3273074	Second Meter		Gas Type AUST I/S Res						
Street # 3210	Direction	Street Name ENFIELD		Suffix Road		Unit			
City Austin	State TX	Zip 78703	Occupied By Vacant		Count of Occupants 0				
Year Built 2003	Foundation Pier & Beam		Estimated Sq Footage 3,130		Average Duct Leakage 16.2%				
Levels 2.0	Bedrms 4	Baths 4.0	Fireplaces 1	Average Wall Height 8 ft		Average Attic R-Value 26			
WINDOWS & SHADING									
Types of Windows	<input type="checkbox"/> Single Pane	<input checked="" type="checkbox"/> Double Pane	<input checked="" type="checkbox"/> Low-e	<input type="checkbox"/> Skylights	<input type="checkbox"/> Other				
Types of Shading	<input type="checkbox"/> Solar Screens	<input type="checkbox"/> Solar Film	<input checked="" type="checkbox"/> Awnings	<input type="checkbox"/> Skylights Cover		<input type="checkbox"/> Other			
Windows	S	SW	W	NW	N	NE	E	SE	Skylight
Needs Shade (sq ft)	140	0	0	0	0	0	105	0	0
Choose House Shape				NW <input type="radio"/> <input type="radio"/> N <input type="radio"/> NE  <input type="radio"/> W <input type="radio"/> Bldg Front Orientation <input type="radio"/> E Other <input type="radio"/> SW <input type="radio"/> <input checked="" type="radio"/> S <input type="radio"/> SE					
APPLIANCES & WATER HEATER									
APPLIANCES (Remaining in Home)		'92 or older	'93 or newer						
Refrigerators		0	0	Pool Pumps	0	Speed			
Freezers		0	0	Pool Pump Timers	0				
Clothes Washers		0	0						
Clothes Dryers	Gas	0	0	Water Heaters	2				
Dish Washers			1	WH1	Standard	Fuel 1	Natural Gas		
Range/Stove/Ovens	Gas		1	WH2	Standard	Fuel 2	Natural Gas		
Inefficient Toilets (> 1.6 gal)			4	Water Heater Timers	0				
Efficient Toilets (<= 1.6 gal)			0						
MISC Lighting	Incandescents	Solar PV	N	Electric Vehicle Charger	N	Natural Gas Generator N			
Sprinklers	<input type="checkbox"/> Year Installed	Rainwater Collector	N	Water Saving Devices	None				
ATTIC INSULATION & AIR INFILTRATION									
Roof Type Pitched	Roof Materials	Shingle		Roof Color	Medium	Total Attic R-Value 26			
Attic Insulation	Insulation Type	LF - Fiberglass & Insulsafe		Secondary Insulation Type	None				
	Square Feet	1,600	Inches Deep	12.0	R-Value	26			
Vaulted Ceiling Insulation	Insulation Type	No Vaulted Ceiling		Secondary Insulation Type					
	Square Feet		Inches Deep		R-Value				
Cathedral Ceiling Insulation	Insulation Type	No Cathedral Ceiling							
	Square Feet		Inches Deep		R-Value				
Attic/Knee Wall Insulation Status	Attic or Knee Walls Insulated		Insulation Secured		<input type="checkbox"/>				
N	Radiant Barrier		Chases		None				
	Plumbing Penetrations Sealed		N		Furnace & WH Closet Appropriately Sealed U				
	# Exterior Doors		4		# Doors Weather-stripped		4 Whole House Fan None		
	# Conditioned Stair Boxes/Hatches		1		# Insulated		1 # Weather-stripped 1		

HEATING & COOLING (1)	Zone Description	DOWNSTAIRS	Est. Sq. Ft. (Zone)	1,462
<div style="display: flex; justify-content: space-between;"> <div> COOLING Type Central Air Condenser Mfg Date 2009 Est. EER 11.5 Est. Condenser BTUs [3.0] 36K Tonnage <input checked="" type="radio"/> From Mfg Spec 3.0 OR <input type="radio"/> Est. from Sq. Ft. Sq. Ft. per Ton </div> <div>Thermostat Other Programmable</div> </div>				
<div style="display: flex; justify-content: space-between;"> <div> HEATING Type Central Fuel Type Gas Location Inside House (Sealed Atti Air Handler Horizontal Furnace Mfg Date '06+ Est. BTUs [3.0] 60K - 65K Est. BTUs (other) AFUE [Electric Start] 80% </div> </div>				
DUCT SYSTEM (Check all that apply) <input type="checkbox"/> NONE <input checked="" type="checkbox"/> Mylar Flex <input type="checkbox"/> Grey Flex <input type="checkbox"/> Duct Board <input type="checkbox"/> Sheet Metal Duct Locations <input type="checkbox"/> Conditioned Space <input type="checkbox"/> Crawl Spaces <input checked="" type="checkbox"/> Furrdowns <input type="checkbox"/> Attic Duct Condition Good R-Value R-6				
Return Air Sq. In. 710 Grille Type Stamped Return Plenum Seal Foam Insulation				
LEAKAGE Target CFM 1200 Current Est. CFM 1,420 <input type="radio"/> Did Not Reach Pressure <input checked="" type="radio"/> Measured Pressure Test Leakage CFM 170 % Leakage 14% Supply Air Reading F 41.0 Return Air Reading F 56.0 Delta T 15.0				
HEATING & COOLING (2)	Zone Description	UPSTAIRS	Est. Sq. Ft. (Zone)	1,668
<div style="display: flex; justify-content: space-between;"> <div> COOLING Type Central Air Condenser Mfg Date 2003 Est. EER 9.0 Est. Condenser BTUs [3.0] 36K <input type="checkbox"/> Tonnage <input checked="" type="radio"/> From Mfg Spec 3.0 OR <input type="radio"/> Est. from Sq. Ft. Sq. Ft. per Ton </div> <div>Thermostat Other Programmable</div> </div>				
<div style="display: flex; justify-content: space-between;"> <div> HEATING Type Central Fuel Type Gas Location Inside House (Sealed Atti Air Handler Horizontal Furnace Mfg Date '90-'05 Est. BTUs [3.0] 60K - 65K Est. BTUs (other) AFUE [Standing Pilot] 60% </div> </div>				
DUCT SYSTEM (Check all that apply) <input type="checkbox"/> NONE <input checked="" type="checkbox"/> Mylar Flex <input type="checkbox"/> Grey Flex <input type="checkbox"/> Duct Board <input type="checkbox"/> Sheet Metal Duct Locations Conditioned Space <input type="checkbox"/> Crawl Spaces <input type="checkbox"/> Furrdowns <input checked="" type="checkbox"/> Attic Duct Condition Good R-Value R-6				
Return Air Sq. In. 710 Grille Type Stamped Return Plenum Seal Foam Insulation				
LEAKAGE Target CFM 1200 Current Est. CFM 1,420 <input type="radio"/> Did Not Reach Pressure <input checked="" type="radio"/> Measured Pressure Test Leakage CFM 220 % Leakage 18% Supply Air Reading F 42.0 Return Air Reading F 54.0 Delta T 12.0				
HEATING & COOLING (3)	Zone Description		Est. Sq. Ft. (Zone)	
<div style="display: flex; justify-content: space-between;"> <div> COOLING Type None Condenser Mfg Date Est. EER Est. Condenser BTUs Tonnage From Mfg Spec OR Est. from Sq. Ft. Sq. Ft. per Ton </div> <div>Thermostat None</div> </div>				
<div style="display: flex; justify-content: space-between;"> <div> HEATING Type None Fuel Type Location Air Handler Furnace Mfg Date Est. BTUs Est. BTUs (other) AFUE </div> </div>				
DUCT SYSTEM (Check all that apply) <input checked="" type="checkbox"/> NONE Mylar Flex Grey Flex Duct Board Sheet Metal Duct Locations Conditioned Space Crawl Spaces Furrdowns Attic Duct Condition R-Value				
Return Air Sq. In. Grille Type Return Plenum Seal				
LEAKAGE Target CFM Current Est. CFM Did Not Reach Pressure Measured Pressure Test Leakage CFM % Leakage Supply Air Reading F Return Air Reading F Delta T				

HEATING & COOLING (4)		Zone Description		Est. Sq. Ft. (Zone)	
COOLING	Type None			Thermostat None	
Condenser Mfg Date		Est. EER	Est. Condenser BTUs		
Tonnage	From Mfg Spec	OR	Est. from Sq. Ft.	Sq. Ft. per Ton	
HEATING	Type None	Fuel Type	Location		Air Handler
Furnace Mfg Date		Est. BTUs	Est. BTUs (other)		AFUE
DUCT SYSTEM (Check all that apply)		<input checked="" type="checkbox"/> NONE	Mylar Flex	Grey Flex	Duct Board Sheet Metal
Duct Locations		Conditioned Space	Crawl Spaces	Furrdowns	Attic
Duct Condition		R-Value			
		Return Air Sq. In.	Grille Type	Return Plenum Seal	
LEAKAGE	Target CFM		Current Est. CFM		
Did Not Reach Pressure		Measured Pressure Test Leakage CFM		% Leakage	
Supply Air Reading F		Return Air Reading F		Delta T	
HEATING & COOLING (5)		Zone Description		Est. Sq. Ft. (Zone)	
COOLING	Type None			Thermostat None	
Condenser Mfg Date		Est. EER	Est. Condenser BTUs		
Tonnage	From Mfg Spec	OR	Est. from Sq. Ft.	Sq. Ft. per Ton	
HEATING	Type None	Fuel Type	Location		Air Handler
Furnace Mfg Date		Est. BTUs	Est. BTUs (other)		AFUE
DUCT SYSTEM (Check all that apply)		<input checked="" type="checkbox"/> NONE	Mylar Flex	Grey Flex	Duct Board Sheet Metal
Duct Locations		Conditioned Space	Crawl Spaces	Furrdowns	Attic
Duct Condition		R-Value			
		Return Air Sq. In.	Grille Type	Return Plenum Seal	
LEAKAGE	Target CFM		Current Est. CFM		
Did Not Reach Pressure		Measured Pressure Test Leakage CFM		% Leakage	
Supply Air Reading F		Return Air Reading F		Delta T	
NOTES & INSTRUCTIONS					