

SINGLE FAMILY

ECAD Energy Audit Results

For Residence: 3306 WINDSOR RD AUSTIN, TX, 78703 Audit Date: 8/20/2020

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	\$100.00
B. Attic Insulation	YES	\$100.00
C. Air Infiltration and Duct Sealing	NO	\$0.00
D. Heating and Cooling System Efficiency (HVAC)	H NO	\$0.00
	Total Annual Savings*:	\$200.00

HOME IMPROVEMENT RECOMMENDATIONS:

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

Vance Acker of Green Leaf Energy LLC

- A. Improving your windows and/or adding shading reduces the heat that the Texas sun adds to your house.
- B. Adding insulation to your attic can save you money. This will prevent your house from heating up rapidly during summer and cooling down quickly during winter.
- C. No air infiltration or duct sealing recommendations.
- D. No heating and cooling system recommendations.

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

In support of the City of Austin's Energy Conservation Audit and Disclosure Ordinance Austin City Code Chapter 6-7, June 2009

Energy Audit Data

DATA SUMMARY

PROPERTY Outdoor Temperature F: 85.0

Austin Energy Electric Meter Number: 3151118 Tax Assessor's Property ID: 118714

Requestor Name: Year Built: 1939

Service Address: 3306 WINDSOR RD AUSTIN, TX, 78703 Estimated Square Footage: 4687

AUDITOR

Auditor: Vance Acker Phone Number: (512) 922-7522

Company Name: Green Leaf Energy LLC Property Audit Date: 8/20/2020

WINDOWS & SHADING

Type(s) of Window(s): Single Pane; Double Pane

Type(s) of Existing Solar Shading: Awnings; Vegetation

ATTIC INSULATION

Attic Insulation Type: Batts-Fiberglass Average R-Value: 22

Open Chases(s): No chases in residence.

HEATING & COOLING AIR DUCT SYSTEM

SYSTEM #1 Condenser Manufacturing Date 2017 HVAC Duct Air Leakage 130.00

Estimated EER 11.5 % Leakage 8

Furnace/AH Manufacturing Date 2006+ Duct System Types(s) Mylar Flex

AFUE [Electric Start] 80% Enrolled in AE Power Partner Thermostat Program No

SYSTEM # 2 Condenser Manufacturing Date 2017 HVAC Duct Air Leakage 90.00

Estimated EER 11.5 % Leakage 9

Furnace/AH Manufacturing Date 2006+ Duct System Types(s) Mylar Flex

AFUE [Electric Start] 80% Enrolled in AE Power Partner Thermostat Program No

SYSTEM #3 Condenser Manufacturing Date 2013 HVAC Duct Air Leakage 50.00

Estimated EER 11.5 % Leakage 8

Furnace/AH Manufacturing Date 2006+ Duct System Types(s) Mylar Flex

AFUE [Electric Start] 80% Enrolled in AE Power Partner Thermostat Program No

SYSTEM # 4 Condenser Manufacturing Date 1997 HVAC Duct Air Leakage 120.00

Estimated EER 9.0 % Leakage 20

Furnace/AH Manufacturing Date 1990-2005 Duct System Types(s) Mylar Flex

SINGLE FAMILY - ECAD Energy Audit Results - Page 2 of 6 Audit Status: Completed Auditor: Vance Acker

SYSTEM#4 AFUE [Electric Start] 80% Enrolled in AE 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, Tankless Type(s) of Toilet(s): 3+ Low efficiency toilet(s) Fuel Type: Natural Gas

PROPERTY IDENTIFICATION										
County	Travis	Property ID	118714	Property Type		Single Family	Building Count	2		
Meter Number 3151118						Gas Type	Austin I/S Res			
Service Address 3306 WINDSOR RD AUSTIN, TX, 78703										
					Occupied By	Vacant				
Year Built	1939	Foundation	Combination	Est. Sq Footage	4687	Avg. Duct Leakage (%)	12			
Levels	3+	Bedrooms	5+	Baths	5+ Fireplaces 1					
Average Attic R-Value 22 Average Wall Height				12						

WINDOWS AND SHADING									
Types of Windows	Single Pa	ngle Pane;Double Pane							
Types of Shading	Awnings;	vnings;Vegetation							
Windows	S	S SW W NW N NE E SE					Skylight		
Needs Shade (sf ft)									
House Shape	Box			Building Front Orientation			S		

APPLIANCES	& WATER HEA	TER						
APPLIANCES (Remain	'92 or older		'93 or newer					
Refrigerators		0		2	Pool and / or Jacuzz	zi Pumps	0	
Freezers	reezers			0	Speed	None		
Clothes Washer		0		1	Pool Pump Timers		0	
Clothes Dryers	Vented Electric	0		1	Water Heaters	2+	2+	
Dish Washers			2		WH1	Standard	Fuel 1	Natural Gas
Range/Stove/Ovens	Range/Stove/Ovens Electric		2		WH2	Tankless	Fuel 2	Natural Gas
Inefficient Toilets (> 1.	28 gal)	3+	3+		Water Heater Timers		0	
Efficient Toilets (<= 1.28 gal)								
MISC Lighting Combination			Solar PV	No	Electric Vehicle Charger No		No	
Sprinklers	Yes	Year Installed		Rainwater Colle	nwater Collector		No	
Natural Gas Generator		No	Water Saving Devices None					

ATTIC INSULATION & AIR INFILTRATION									
Roof Type	Pitched	Roof Materials	Metal	Roof Color	Medium	Total Attic R Value 22			
Attic Insulation Insulati		Insulation Type	Batts-Fiberglass S		Secondary Insulation Type		None	None	
Square		Square Feet	2000	Inches Deep	7.0	R Value 22			
Vaulted Ceiling Insulation Insulation Type		Insulation Type	Batts-Fiberglass		Secondary Insulation Type		None		
Square Feet		1000	Inches Deep	7.0	R Value 22				
Cathedral Ceiling Insulation Insulation Type			Batts-Fiberglass						
Square Feet		572	Inches Deep	7.0	R Value	22			
Attic/Knee Wa	II Insulation Status		Insulated						
No Radiant Barrier Radiant Barrier Type				None Chases None					
	Plumbing Penetra	tions Sealed	No	Furnace & WH Closet Appropriately Sealed				Yes	
	# Exterior Doors 5+		# Doors Weather-stripped		5+	Whole House Fa	ın	None	
	# Conditioned Stair Boxes/Hatches		5+	# Insulated	0	# Weather-stripped 5+		5+	

Estimated Square Footage (Zone) 2357 Duct Loc Cooling Type Central Air Duct Co Thermostat WiFi R Condenser Mfg Year 2017 Return Air Estimated Condenser BTUs [4,0] 48,000 BTU Grills Tonnage from Mfg Spec 4.0 Targe Tonnage from Est Sq Ft SEstimated Sqft Per Ton 589.3 Did Not Reach Price Sestimated Furuance/Air Handler Location Outside House - Attic Supply Air Return	Type Stamped CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading elta T 0.0
Cooling Type Thermostat WiFi R Condenser Mig Year Condenser Mig Year Condenser Mig Year Estimated EER 11.5 Return Plenum Properly 3 Estimated Condenser BTUs Estimated Condenser BTUs Tonnage from Mig Spec 4.0 Targe Tonnage from Est Sq Ft Sqft Per Ton S89.3 Did Not Reach Pri Heating Type Central Heat Pressure Test Leakage Fuel Type Gas Furnace/Air Handler Location Outside House - Attic Supply Air Re Furnance Mig Date Estimated Furnance BTUs Estimated Furnance BTUs Cooling Type Central Air Duct Co Estimated Square Footage (Zone) Cooling Type Central Air Condenser Mig Year Estimated Condenser BTUs Estimated EER 11.5 Return Plenum Properly 3 Return Air Return Air Re Return Air Condenser Mig Year Estimated Condenser BTUs Lestimated Conde	dition Good Value R-6 Sq In 576.0 ealed Yes Type Stamped CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading elta T 0.0
Thermostat WiFi Return Air	Value R-6 Sq In 576.0 ealed Yes Type Stamped CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading elta T 0.0
Condenser Mfg Year 2017 Return Ai	Sq In 576.0 ealed Yes Type Stamped CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading elta T 0.0
Estimated EER 11.5 Return Plenum Properly \$ Estimated Condenser BTUs [4.0] 48,000 BTU Grille Tonnage from Mfg Spec 4.0 Targe Tonnage from Mfg Spec 4.0 Estimated Tonnage from Est Sq Ft 5 Estimated Sqft Per Ton 589.3 Did Not Reach Property 589.3 Property 599.3 Not Reach Property 5	rype Stamped CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading ading elta T 0.0
Estimated Condenser BTUs [4.0] 48,000 BTU Tonnage from Mfg Spec 4.0 Tonnage from Est Sq Ft 5 Sqft Per Ton 589.3 Did Not Reach Pn Heating Type Gas	Type Stamped CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading elta T 0.0
Tonnage from Mfg Spec Tonnage from Est Sq Ft Sqft Per Ton Sqft Per Ton Heating Type Gas Fuel Type Gas Furnace/Air Handler Location Air Handler Type Furnance Mfg Date Estimated Furnance BTUs Estimated Square Footage (Zone) Thermostat Condenser Mfg Year Condenser Mfg Year Estimated EER Estimated Condenser BTUs Estimated Condenser BTUs Estimated Condenser BTUs Estimated Condenser BTUs Estimated Condenser Mfg Spec 2.5 Targe	CFM 1600 CFM 1152.00 ssure False CFM 130.00 akage 8 ading elta T 0.0
Tonnage from Est Sq Ft Sqft Per Ton S89.3 Did Not Reach Property Square Footage (Zone) Lestimated Square Footage (Zone) Condenser Mfg Year Condenser Mfg Spec Square Footage from Mfg Spec Square Footage Footag	CFM 1152.00 ssure False CFM 130.00 akage 8 ading ading elta T 0.0
Sqft Per Ton Heating Type Central Heat Pressure Test Leakage Fuel Type Gas Furnace/Air Handler Location Outside House - Attic Supply Air Re Air Handler Type Horizontal Return Air Re Furnance Mfg Date 2006+ Estimated Furnance BTUs [4.0] 70K Unit #2 Zone Description Second floor Duct S Estimated Square Footage (Zone) Cooling Type Central Air Duct Cooling Type Central Air Condenser Mfg Year Condenser Mfg Year Estimated EER 11.5 Return Plenum Properly S Estimated Condenser BTUs Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec	ssure False CFM 130.00 akage 8 ading ading elta T 0.0
Heating Type Gas	akage 8 ading elta T 0.0
Fuel Type Gas % Le Furnace/Air Handler Location Outside House - Attic Supply Air Re Air Handler Type Horizontal Return Air Re Furnance Mfg Date 2006+ Estimated Furnance BTUs [4.0] 70K Unit # 2 Zone Description Second floor Duct Second floor Second floor Duct Second floor Second floor Duct Second floor Second flo	akage 8 ading ading elta T 0.0
Furnace/Air Handler Location Air Handler Type Horizontal Return Air Second Floor Unit #2 Zone Description Second Floor Duct Second Floor Cooling Type Central Air Duct Cooling Type Central Air Condenser Mfg Year Condenser Mfg Year Estimated EER 11.5 Return Plenum Properly Second Floor Tonnage from Mfg Spec 2.5 Targe	ading ading elta T 0.0
Air Handler Type Horizontal Return Air Re Furnance Mfg Date 2006+ Estimated Furnance BTUs [4.0] 70K Unit #2 Zone Description Second floor Duct S Estimated Square Footage (Zone) 1264 Duct Loc Cooling Type Central Air Duct Col Thermostat WiFi Return Ai Condenser Mfg Year 2017 Return Ai Estimated EER 11.5 Return Plenum Properly S Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec 2.5 Targe	ading elta T 0.0
Furnance Mfg Date 2006+ C	elta T 0.0
Estimated Furnance BTUs	
Unit # 2 Zone Description Second floor Duct Second floor Estimated Square Footage (Zone) 1264 Duct Loc Cooling Type Central Air Duct Cor Thermostat WiFi R Condenser Mfg Year 2017 Return Air Estimated EER 11.5 Return Plenum Properly Section Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec 2.5 Targe	AFIJE JELOANIO CAONI COO/
Estimated Square Footage (Zone) Cooling Type Central Air Duct Cooling Type Thermostat WiFi Return Ai Condenser Mfg Year 2017 Return Ai Estimated EER 11.5 Return Plenum Properly S Estimated Condenser BTUs [2.5] 30,000 BTU Tonnage from Mfg Spec 2.5 Targe	AFUE [Electric Start] 80%
Cooling Type Central Air Duct Col Thermostat WiFi R Condenser Mfg Year 2017 Return Ai Estimated EER 11.5 Return Plenum Properly S Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec 2.5 Targe	ystem Mylar Flex
Thermostat WiFi	ations Attic
Condenser Mfg Year 2017 Return Ai Estimated EER 11.5 Return Plenum Properly S Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec 2.5 Targe	dition Good
Estimated EER 11.5 Return Plenum Properly S Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec 2.5 Targe	Value R-6
Estimated Condenser BTUs [2.5] 30,000 BTU Grille Tonnage from Mfg Spec 2.5 Targe	Sq In 576.0
Tonnage from Mfg Spec 2.5 Targe	
	Type Stamped
Tonnage from Est Sq Ft 3 Estimate	: CFM 1000
	CFM 1152.00
Sqft Per Ton 505.6 Did Not Reach Pro	
Heating Type Central Heat Pressure Test Leakage	CFM 90.00
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Furnace/Air Handler Location Outside House - Attic Supply Air Re	akage 9
Air Handler Type Horizontal Return Air Re	
Furnance Mfg Date 2006+	ading
Estimated Furnance BTUs [3.0] 60K - 65K	ading
Unit#3 Zone Description Third floor Duct S	ading ading

Unit #3	Estimated Square Footage (Zone)	572	Duct Locations	Attic
	Cooling Type	Central Air	Duct Condition	Good
	Thermostat	Other Programmable	R-Value	R-6
	Condenser Mfg Year	2013	Return Air Sq In	288.0
	Estimated EER	11.5	Return Plenum Properly Sealed	Yes
	Estimated Condenser BTUs	[1.5] 18,000 BTU	Grille Type	Stamped
	Tonnage from Mfg Spec	1.5	Target CFM	600
	Tonnage from Est Sq Ft	2	Estimated CFM	576.00
	Sqft Per Ton	381.3	Did Not Reach Pressure	False
	Heating Type	Central Heat	Pressure Test Leakage CFM	50.00
	Fuel Type	Gas	% Leakage	8
	Furnace/Air Handler Location	Outside House - Attic	Supply Air Reading	
	Air Handler Type	Horizontal	Return Air Reading	
	Furnance Mfg Date	2006+	Delta T	0.0
	Estimated Furnance BTUs	[1.5] 40K - 45K	AFUE	[Electric Start] 80%
Unit # 4	Zone Description	Guest house	Duct System	Mylar Flex
	Estimated Square Footage (Zone)	494	Duct Locations	Attic
	Cooling Type	Central Air	Duct Condition	Good
	Thermostat	WiFi	R-Value	R-6
	Condenser Mfg Year	1997	Return Air Sq In	288.0
	Estimated EER	9.0	Return Plenum Properly Sealed	Yes
	Estimated Condenser BTUs	[1.5] 18,000 BTU	Grille Type	Stamped
	Tonnage from Mfg Spec	1.5	Target CFM	600
	Tonnage from Est Sq Ft	2	Estimated CFM	576.00
	Sqft Per Ton	329.3	Did Not Reach Pressure	False
	Heating Type	Central Heat	Pressure Test Leakage CFM	120.00
	Fuel Type	Gas	% Leakage	20
	Furnace/Air Handler Location	Outside House - Attic	Supply Air Reading	
	Air Handler Type	Horizontal	Return Air Reading	
	Furnance Mfg Date	1990-2005	Delta T	0.0
	Estimated Furnance BTUs	[1.5] 40K - 45K	AFUE	[Electric Start] 80%

NOTES & INSTRUCTIONS