



## SINGLE FAMILY

Austin City Code Chapter 6-7, June 2009

# 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 [austinenrgy.com](http://austinenrgy.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)	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

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](#)

Fuel Type: [Natural Gas](#)

Type(s) of Toilet(s): [3+ Low efficiency toilet\(s\)](#)

## 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 Pane;Double Pane								
Types of Shading	Awnings;Vegetation								
Windows	S	SW	W	NW	N	NE	E	SE	Skylight
Needs Shade (sf ft)									
House Shape	Box			Building Front Orientation			S		

## APPLIANCES & WATER HEATER

APPLIANCES (Remaining in Home)		'92 or older		'93 or newer				
Refrigerators		0		2	Pool and / or Jacuzzi Pumps		0	
Freezers		0		0	Speed	None		
Clothes Washer		0		1	Pool Pump Timers		0	
Clothes Dryers	Vented Electric	0		1	Water Heaters	2+		
Dish Washers			2		WH1	Standard	Fuel 1	Natural Gas
Range/Stove/Ovens	Electric		2		WH2	Tankless	Fuel 2	Natural Gas
Inefficient Toilets (> 1.28 gal)		3+				Water Heater Timers		0
Efficient Toilets (<= 1.28 gal)		0						
MISC Lighting	Combination		Solar PV	No	Electric Vehicle Charger		No	
Sprinklers	Yes	Year Installed		Rainwater 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		Insulation Type	Batts-Fiberglass		Secondary Insulation Type		None
		Square Feet	2000	Inches Deep	7.0	R Value	22
Vaulted Ceiling Insulation		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 Wall Insulation Status			Insulated				
No	Radiant Barrier	Radiant Barrier Type		None	Chases	None	
	Plumbing Penetrations Sealed		No	Furnace & WH Closet Appropriately Sealed			Yes
	# Exterior Doors	5+	# Doors Weather-stripped		5+	Whole House Fan	None
	# Conditioned Stair Boxes/Hatches		5+	# Insulated	0	# Weather-stripped	5+

## HEATING AND COOLING

Unit # 1	Zone Description	First floor	Duct System	Mylar Flex
	Estimated Square Footage (Zone)	2357	Duct Locations	Attic
	Cooling Type	Central Air	Duct Condition	Good
	Thermostat	WiFi	R-Value	R-6
	Condenser Mfg Year	2017	Return Air Sq In	576.0
	Estimated EER	11.5	Return Plenum Properly Sealed	Yes
	Estimated Condenser BTUs	[4.0] 48,000 BTU	Grille Type	Stamped
	Tonnage from Mfg Spec	4.0	Target CFM	1600
	Tonnage from Est Sq Ft	5	Estimated CFM	1152.00
	Sqft Per Ton	589.3	Did Not Reach Pressure	False
	Heating Type	Central Heat	Pressure Test Leakage CFM	130.00
	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	[4.0] 70K	AFUE	[Electric Start] 80%
Unit # 2	Zone Description	Second floor	Duct System	Mylar Flex
	Estimated Square Footage (Zone)	1264	Duct Locations	Attic
	Cooling Type	Central Air	Duct Condition	Good
	Thermostat	WiFi	R-Value	R-6
	Condenser Mfg Year	2017	Return Air Sq In	576.0
	Estimated EER	11.5	Return Plenum Properly Sealed	Yes
	Estimated Condenser BTUs	[2.5] 30,000 BTU	Grille Type	Stamped
	Tonnage from Mfg Spec	2.5	Target CFM	1000
	Tonnage from Est Sq Ft	3	Estimated CFM	1152.00
	Sqft Per Ton	505.6	Did Not Reach Pressure	False
	Heating Type	Central Heat	Pressure Test Leakage CFM	90.00
	Fuel Type	Gas	% Leakage	9
	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	[3.0] 60K - 65K	AFUE	[Electric Start] 80%
Unit # 3	Zone Description	Third floor	Duct System	Mylar Flex

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