



SINGLE FAMILY

Austin City Code Chapter 6-7, June 2009

ECAD Energy Audit Results

For Residence: 10300 MORADO CV 302 AUSTIN, TX, 78759

Audit Date: 9/26/2018

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 or by calling 512-482-5346

ENERGY AUDIT SUMMARY

	Action Recommended?	Potential Annual Savings*:
A. Windows and Shading	NO	\$0.00
B. Attic Insulation	YES	\$100.00
C. Air Infiltration and Duct Sealing	NO	\$0.00
D. Heating and Cooling System Efficiency (HVAC)	YES	\$270.00
	Total Annual Savings*:	\$370.00

HOME IMPROVEMENT RECOMMENDATIONS:

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

• Kurt Kunkle of Austin Auditors •

- A. No windows or shading recommendations.
- 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. 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.



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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: 82.0

Austin Energy Electric Meter Number: 7031368

Tax Assessor's Property ID: 542709

Requestor Name: David Bouthot

Year Built: 2001

Service Address: 10300 MORADO CV 302 AUSTIN, TX, 78759

Estimated Square Footage: 1557

AUDITOR

Auditor: Kurt Kunkle

Phone Number: (512) 879-3567

Company Name: Austin Auditors

Property Audit Date: 9/26/2018

WINDOWS & SHADING

Type(s) of Window(s): Double Pane;Low-e

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

ATTIC INSULATION

Attic Insulation Type: LF-Fiberglass & Insulsafe

Average R-Value: 18

Open Chases(s): No chases in residence.

HEATING & COOLING AIR DUCT SYSTEM

SYSTEM # 1

Condenser Manufacturing Date 2002

HVAC Duct Air Leakage 116.00

Estimated EER 9.0

% Leakage 10

Furnace/AH Manufacturing Date 1990-2005

Duct System Type(s) Mylar Flex

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

Fuel Type: Natural Gas

Type(s) of Toilet(s): 3+ Low efficiency toilet(s)

PROPERTY IDENTIFICATION

County	Travis	Property ID	542709	Property Type	Single Family	Building Count	1
Meter Number	7031368			Gas Type	Austin I/S Res		
Service Address	10300 MORADO CV 302 AUSTIN, TX, 78759						
					Occupied By	Owner	
Year Built	2001	Foundation	Slab	Est. Sq Footage	1557	Avg. Duct Leakage (%)	10
Levels	2	Bedrooms	3	Baths	2.5	Fireplaces	0
Average Attic R-Value	18	Average Wall Height	9				

WINDOWS AND SHADING

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

APPLIANCES & WATER HEATER

APPLIANCES (Remaining in Home)	'92 or older		'93 or newer			
Refrigerators	1		0	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	1	
Dish Washers			1	WH1	Standard Fuel 1 Natural Gas	
Range/Stove/Ovens	Gas		1	WH2	None Fuel 2 None	
Inefficient Toilets (> 1.6 gal)	3+			Water Heater Timers	0	
Efficient Toilets (<= 1.6 gal)	0					
MISC Lighting	Combination		Solar PV	No	Electric Vehicle Charger	No
Sprinklers	HOA Owned		Year Installed		Rainwater Collector	No
Natural Gas Generator	No		Water Saving Devices	Some Installed		

ATTIC INSULATION & AIR INFILTRATION

Roof Type	Pitched	Roof Materials	Shingle	Roof Color	Medium	Total Attic R Value	18
Attic Insulation	Insulation Type		LF-Fiberglass & Insulsafe		Secondary Insulation Type	None	
	Square Feet		1557	Inches Deep	8.0	R Value	17.6
Vaulted Ceiling Insulation	Insulation Type		No Vaulted Ceiling		Secondary Insulation Type	None	
	Square Feet			Inches Deep		R Value	0
Cathedral Ceiling Insulation	Insulation Type		No Cathedral Ceiling				
	Square Feet			Inches Deep		R Value	0
Attic/Knee Wall Insulation Status	None						
No	Radiant Barrier	Radiant Barrier Type		None	Chases	None	
	Plumbing Penetrations Sealed		No	Furnace & WH Closet Appropriately Sealed			Yes
	# Exterior Doors	3	# Doors Weather-stripped		3	Whole House Fan	None
	# Conditioned Stair Boxes/Hatches	1	# Insulated	1	# Weather-stripped	1	

HEATING AND COOLING

Unit # 1	Zone Description	Whole House	Duct System	Mylar Flex
	Estimated Square Footage (Zone)	1557	Duct Locations	Attic;Conditioned Space
	Cooling Type	Central Air	Duct Condition	Good
	Thermostat	Other Programmable	R-Value	R-4
	Condenser Mfg Year	2002	Return Air Sq In	350.0
	Estimated EER	9.0	Return Plenum Properly Sealed	Yes
	Estimated Condenser BTUs	[3.0] 36,000 BTU	Grille Type	Stamped
	Tonnage from Mfg Spec	3.0	Target CFM	1200
	Tonnage from Est Sq Ft	3	Estimated CFM	700.00
	Sqft Per Ton	519.0	Did Not Reach Pressure	False
	Heating Type	Central Heat	Pressure Test Leakage CFM	116.00
	Fuel Type	Gas	% Leakage	10
	Furnace/Air Handler Location	Outside House - Attic	Supply Air Reading	58.0
	Air Handler Type	Horizontal	Return Air Reading	73.0
	Furnance Mfg Date	1990-2005	Delta T	15.0
	Estimated Furnance BTUs	[3.0] 60K - 65K	AFUE	[Electric Start] 80%

NOTES & INSTRUCTIONS