



SINGLE FAMILY

Austin City Code Chapter 6-7, June 2009

ECAD Energy Audit Results

For Residence: 6704 MANCHACA RD Unit 29 AUSTIN, TX, 78745

Audit Date: 3/6/2018

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 austinenenergy.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	NO	\$0.00
C. Air Infiltration and Duct Sealing	NO	\$0.00
D. Heating and Cooling System Efficiency (HVAC)	NO	\$0.00
Total Annual Savings*:		\$0.00

HOME IMPROVEMENT RECOMMENDATIONS:

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

● Ned Fischer of Green Thunder Permaculture LLC

- A. No windows or shading recommendations.
- B. No Attic insulation recommendations.
- 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.



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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: 76.0

Austin Energy Electric Meter Number: 7097889

Tax Assessor's Property ID: 574452

Requestor Name:

Year Built: 2003

Service Address: 6704 MANCHACA RD Unit 29 AUSTIN, TX, 78745

Estimated Square Footage: 2049

AUDITOR

Auditor: Ned Fischer

Phone Number: (512) 971-0086

Company Name: Green Thunder Permaculture LLC

Property Audit Date: 3/6/2018

WINDOWS & SHADING

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

Type(s) of Existing Solar Shading: Other

ATTIC INSULATION

Attic Insulation Type: LF-Cellulose

Average R-Value: 46

Open Chases(s): No chases in residence.

HEATING & COOLING AIR DUCT SYSTEM

SYSTEM # 1

Condenser Manufacturing Date 2015

HVAC Duct Air Leakage 102.00

Estimated EER 11.5

% Leakage 7

Furnace/AH Manufacturing Date 2006+

Duct System Type(s) Mylar Flex

AFUE [Electric Start] 80%

Enrolled in AE Power Partner Thermostat Program YES

Air Handler Horizontal

Furnace/Air Location Outside House - Attic

AIR INFILTRATION / WEATHERIZATION

Exterior doors: weather-stripped? Yes

Attic access: weather-stripped? Yes

Plumbing penetrations: sealed? Plumbing penetrations are sealed

ADDITIONAL AUDIT INFORMATION

Domestic Water Heater Type(s): Standard

Fuel Type: Natural Gas

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

PROPERTY IDENTIFICATION

County	Travis	Property ID	574452	Property Type		Single Family	Building Count	1
Meter Number		7097889				Gas Type	Austin I/S Res	
Service Address		6704 MANCHACA RD Unit 29 AUSTIN, TX, 78745						
						Occupied By	Owner	
Year Built	2003	Foundation	Slab	Est. Sq Footage	2049	Avg. Duct Leakage (%)		7
Levels	2	Bedrooms	3	Baths	3	Fireplaces		0
Average Attic R-Value		46	Average Wall Height		8			

WINDOWS AND SHADING

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

APPLIANCES & WATER HEATER

APPLIANCES (Remaining in Home)		'92 or older		'93 or newer				
Refrigerators		0		1	Pool and / or Jacuzzi Pumps		0	
Freezers		0		1	Speed	None		
Clothes Washer		0		1	Pool Pump Timers		0	
Clothes Dryers	Vented Electric	0		1	Water Heaters	1		
Dish Washers			0		WH1	Standard	Fuel 1	Natural Gas
Range/Stove/Ovens	None		0		WH2	None	Fuel 2	None
Inefficient Toilets (> 1.28 gal)		0			Water Heater Timers		0	
Efficient Toilets (<= 1.28 gal)		3+						
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	Shingle	Roof Color	Light	Total Attic R Value	46
Attic Insulation		Insulation Type	LF-Cellulose		Secondary Insulation Type		None
		Square Feet	2049	Inches Deep	13.0	R Value	45.5
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			Partially Insulated				
Yes	Radiant Barrier	Radiant Barrier Type		Foil-Backed Deck	Chases	None	
	Plumbing Penetrations Sealed		Yes	Furnace & WH Closet Appropriately Sealed			Yes
	# Exterior Doors	2	# Doors Weather-stripped		2	Whole House Fan	None
	# Conditioned Stair Boxes/Hatches		0	# Insulated	0	# Weather-stripped	1

HEATING AND COOLING

Unit # 1	Zone Description	whole house	Duct System	Mylar Flex
	Estimated Square Footage (Zone)	2049	Duct Locations	Attic
	Cooling Type	Central Air	Duct Condition	Good
	Thermostat	Power Partner	R-Value	R-8
	Condenser Mfg Year	2015	Return Air Sq In	
	Estimated EER	11.5	Return Plenum Properly Sealed	Yes
	Estimated Condenser BTUs	[3.5] 40,000 BTU	Grille Type	Stamped
	Tonnage from Mfg Spec	3.5	Target CFM	1400
	Tonnage from Est Sq Ft	4	Estimated CFM	0.00
	Sqft Per Ton	585.4	Did Not Reach Pressure	False
	Heating Type	Central Heat	Pressure Test Leakage CFM	102.00
	Fuel Type	Gas	% Leakage	7
	Supply Air Reading	59.0	Return Air Reading	70.0
	Furnance Mfg Date	2006+	Delta T	11.0
	Estimated Furnance BTUs	Other	AFUE	[Electric Start] 80%
	Air Handler	Horizontal	Furnace/Air Location	Outside House - Attic

NOTES & INSTRUCTIONS