



# SINGLE FAMILY

# ECAD Energy Audit Results

**For Residence:** 1710 Palma Plaza Austin, TX, 78703

**Audit Date:** 6/9/2015

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](http://austinenergy.com) or by calling **512-482-5346**.

## ENERGY AUDIT SUMMARY

	Action Recommended?	Potential Annual Savings*:
A. Windows and Shading	No	
B. Attic Insulation	No	
C. Air Infiltration and Duct Sealing	No	
D. Heating and Cooling System Efficiency (HVAC)	No	
		<b>Total Annual Savings:</b> <u>          </u> \$0

## HOME IMPROVEMENT RECOMMENDATIONS:

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

**Josh Yamin** Digitally signed by Josh Yamin of A-Plus Energy Management  
 Date: 2015.06.09 10:45:33 -05'00'

- 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.



# SINGLE FAMILY Energy Audit Data

## DATA SUMMARY

Submission Date: 6/9/2015

### PROPERTY

Austin Energy Electric Meter Number: 3116568  
Owner Name: Priscilla Murr  
Street Address: 1710 Palma Plaza  
City, State, Zip Code: Austin, TX, 78703

Tax Assessor's Property ID: 110374  
Year Built: 1933  
Estimated Square Footage: 2,489

### AUDITOR

Auditor: Josh Yamin  
Company Name: A-Plus Energy Management

Phone Number: (512) 450-1980  
Property Audit Date: 6/9/2015

### WINDOWS & SHADING

Type(s) of Window(s): Single Pane Windows Installed  
Type(s) of Existing Solar Shading: Solar Screens providing shading.

### ATTIC INSULATION

Attic Insulation Type: No Access Average R-Value: 0  
Open Chases(s): No chases in residence.

### HEATING & COOLING AIR DUCT SYSTEM

HVAC SYSTEM: Condenser: Manufacturing Date: 2003 Estimated EER: 9  
Furnace/AH: Manufacturing Date: Unknowr Estimated AFUE: 80  
HVAC Duct Air Leakage: 320 CFM % Leakage: 26.7 %  
Duct System Type(s) Grey Flex Sheet Metal  
Enrolled in the Austin Energy Power Partner Thermostat Program: No

ADDITIONAL SYSTEM: Condenser: Manufacturing Date: N/A Estimated EER: N/A  
Furnace/AH: Manufacturing Date: N/A Estimated AFUE: N/A  
HVAC Duct Air Leakage: N/A % Leakage: N/A  
Duct System Type(s): No second duct system  
Enrolled in the Austin Energy Power Partner Thermostat Program: N/A

### AIR INFILTRATION/WEATHERIZATION

Exterior doors: weather-stripped? Yes Attic access: weather-stripped? Not checked  
Plumbing penetrations: sealed? Plumbing penetration sealing needed

### ADDITIONAL AUDIT INFORMATION

Domestic Water Heater Type(s): Standard Fuel Type: NaturalGas  
Type(s) of Toilet(s): 2 Low efficiency toilet(s)

Outdoor Temperature F **89.0**

**PROPERTY IDENTIFICATION**

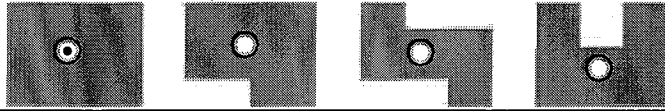
County Travis	Property ID 110374	Property Type Single Family	Building Count
Meter Number 3116568	Second Meter		Gas Type AUST I/S Res
Street # 1710	Direction	Street Name Palma Plaza	Suffix Unit
City Austin	State TX	Zip 78703	Occupied By Vacant
Year Built 1933	Foundation Pier & Beam	Estimated Sq Footage 2,489	Average Duct Leakage 26.7%
Levels	Bedrms	Baths	Fireplaces 1
		Average Wall Height 8 ft	Average Attic R-Value 0

**WINDOWS & SHADING**

Types of Windows  Single Pane  Double Pane  Low-e  Skylights  Other  
 Types of Shading  Solar Screens  Solar Film  Awnings  Skylights Cover  Other

Windows	S	SW	W	NW	N	NE	E	SE	Skylight
Needs Shade (sq ft)	0	0	18	0	0	0	0	0	0

Choose House Shape



NW  N  NE   
 W  Bldg Front Orientation  E   
 Other SW  S  SE

**APPLIANCES & WATER HEATER**

<b>APPLIANCES (Remaining in Home)</b>	'92 or older	'93 or newer		
Refrigerators		1	Pool Pumps	0 Speed
Freezers		1	Pool Pump Timers	0
Clothes Washers		1		
Clothes Dryers	Gas	0	1	Water Heaters 1
Dish Washers				WH1 Standard Fuel 1 Natural Gas
Range/Stove/Ovens	Gas	1		WH2 Fuel 2
Inefficient Toilets (> 1.6 gal)		2	Water Heater Timers	0
Efficient Toilets (<= 1.6 gal)				
MISC Lighting Incandescents	Solar PV U		Electric Vehicle Charger U	Natural Gas Generator U
Sprinklers <input type="checkbox"/> Year Installed	Rainwater Collector U		Water Saving Devices	None

**ATTIC INSULATION & AIR INFILTRATION**

Roof Type Pitched	Roof Materials Shingle	Roof Color Not Visible	Total Attic R-Value 0
Attic Insulation	Insulation Type No Access	Secondary Insulation Type	
	Square Feet	Inches Deep	R-Value 11
Vaulted Ceiling Insulation	Insulation Type No Access	Secondary Insulation Type None	
	Square Feet 0	Inches Deep 0.0	R-Value 0
Cathedral Ceiling Insulation	Insulation Type No Access		
	Square Feet 0	Inches Deep 0.0	R-Value 0
Attic/Knee Wall Insulation Status	No Attic or Knee Walls		
U Radiant Barrier		Chases None	
Plumbing Penetrations Sealed N		Furnace & WH Closet Appropriately Sealed U	
# Exterior Doors 2		# Doors Weather-stripped 2	Whole House Fan Coverable
# Conditioned Stair Boxes/Hatches 0		# Insulated 0	# Weather-stripped 0

HEATING & COOLING (1)	Zone Description	Whole House		Est. Sq. Ft. (Zone)	2,489
COOLING Type Central Air				Thermostat Manual	
Condenser Mfg Date	2003	Est. EER	9.0	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	
HEATING Type Central		Fuel Type	Gas	Location	Outside (other)
Furnace Mfg Date	Unknown	Est. BTUs	[3.0] 60K - 65K	Est. BTUs (other)	
DUCT SYSTEM (Check all that apply)		<input type="checkbox"/> NONE	<input type="checkbox"/> Mylar Flex	<input checked="" type="checkbox"/> Grey Flex	<input type="checkbox"/> Duct Board <input checked="" type="checkbox"/> Sheet Metal
Duct Locations	<input type="checkbox"/> Conditioned Space	<input checked="" type="checkbox"/> Crawl Spaces	<input type="checkbox"/> Furrdowns	<input type="checkbox"/> Attic	
Duct Condition	Fair	R-Value	R-2		
Return Air Sq. In.		600	Grille Type	Commercial Grade	Return Plenum Seal Mastic
LEAKAGE Target CFM		1200		Current Est. CFM 1,200	
<input type="radio"/> Did Not Reach Pressure		<input checked="" type="radio"/> Measured Pressure Test Leakage CFM		320 % Leakage 27%	
Supply Air Reading F		57.0		Return Air Reading F 71.0 Delta T 14.0	
HEATING & COOLING (2)	Zone Description			Est. Sq. Ft. (Zone)	
COOLING Type None				Thermostat None	
Condenser Mfg Date		Est. EER		Est. Condenser BTUs	
Tonnage	From Mfg Spec	OR	<input type="radio"/> Est. from Sq. Ft.	Sq. Ft. per Ton	
HEATING Type None		Fuel Type		Location	
Furnace Mfg Date		Est. BTUs		Est. BTUs (other)	
DUCT SYSTEM (Check all that apply)		<input checked="" type="checkbox"/> NONE	<input 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 type="checkbox"/> Furrdowns	<input type="checkbox"/> Attic	
Duct Condition		R-Value			
Return Air Sq. In.			Grille Type		Return Plenum Seal
LEAKAGE Target CFM				Current Est. CFM	
<input type="checkbox"/> Did Not Reach Pressure		<input type="checkbox"/> Measured Pressure Test Leakage CFM		% Leakage	
Supply Air Reading F				Return Air Reading F Delta T	
HEATING & COOLING (3)	Zone Description			Est. Sq. Ft. (Zone)	
COOLING Type None				Thermostat None	
Condenser Mfg Date		Est. EER		Est. Condenser BTUs	
Tonnage	From Mfg Spec	OR	<input type="radio"/> Est. from Sq. Ft.	Sq. Ft. per Ton	
HEATING Type None		Fuel Type		Location	
Furnace Mfg Date		Est. BTUs		Est. BTUs (other)	
DUCT SYSTEM (Check all that apply)		<input checked="" type="checkbox"/> NONE	<input 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 type="checkbox"/> Furrdowns	<input type="checkbox"/> Attic	
Duct Condition		R-Value			
Return Air Sq. In.			Grille Type		Return Plenum Seal
LEAKAGE Target CFM				Current Est. CFM	
<input type="checkbox"/> Did Not Reach Pressure		<input type="checkbox"/> Measured Pressure Test Leakage CFM		> 80% 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	> 80% 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	> 80% Leakage		
	Supply Air Reading F	Return Air Reading F	Delta T		

**NOTES & INSTRUCTIONS**

No attic access  
 Furnace is under the house but hard to get to  
 HWH is in a closet outside the house but the flue pipe is not properly connected