



SINGLE FAMILY

Austin City Code Chapter 6-7, June 2009

ECAD Energy Audit Results

For Residence: 12504 Limerick AVE Austin, TX, 78727

Audit Date: 1/11/2018

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 austinenergy.com or by calling 512-482-5346.

ENERGY AUDIT SUMMARY

	Action Recommended?	Potential Annual Savings*:
A. Windows and Shading	No	
B. Attic Insulation	Yes	\$100
C. Air Infiltration and Duct Sealing	Yes	\$120
D. Heating and Cooling System Efficiency (HVAC)	Yes	\$270
Total Annual Savings:		\$490

HOME IMPROVEMENT RECOMMENDATIONS:

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

Kurt Kunkle of Austin Auditors
Digitally signed by Kurt Kunkle
 DN: cn=Kurt Kunkle, c=US, o=Austin Auditors,
 ou=Energy Auditor,
 email=k.kunkle@austinauditors.com
 Date: 2018.01.11 14:13:49 -06'00'

- 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. Sealing or replacing the air conditioning duct-work can reduce your electric bill and make your home more comfortable. The duct system must be properly sized and in good condition or the heating and cooling system will run longer and cool less efficiently.
- 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.



SINGLE FAMILY

Energy Audit Data

DATA SUMMARY

Submission Date: 1/11/2018

PROPERTY

Austin Energy Electric Meter Number: 6025095
Owner Name: Propel One Investments LLC
Street Address: 12504 Limerick AVE
City, State, Zip Code: Austin, TX, 78727

Tax Assessor's Property ID: 266590
Year Built: 1976
Estimated Square Footage: 1,487

AUDITOR

Auditor: Kurt Kunkle
Company Name: Austin Auditors

Phone Number: (512) 879-3567
Property Audit Date: 1/11/2018

WINDOWS & SHADING

Type(s) of Window(s): Double Pane, Low E Windows Installed
Type(s) of Existing Solar Shading: Trees/building providing shading.

ATTIC INSULATION

Attic Insulation Type: LF- Fiberglass & Insulsafe Average R-Value: 18
Open Chases(s): No chases in residence.

HEATING & COOLING AIR DUCT SYSTEM

HVAC SYSTEM:	Condenser:	Manufacturing Date: 1994	Estimated EER: 9
	Furnace/AH:	Manufacturing Date: 90-05	Estimated AFUE: 80
	HVAC Duct Air Leakage:	278 CFM	% Leakage: 23.2 %
	Duct System Type(s)	Mylar Flex	
	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? No weather-stripping Attic access: weather-stripped? Not checked
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 High efficiency toilet(s)

PROPERTY IDENTIFICATION

Outdoor Temperature F 68.0

County Travis Property ID 266590 Property Type Single Family Building Count
 Meter Number 6025095 Second Meter Gas Type AUST I/S Res
 Street # 12504 Direction Street Name Limerick Suffix Avenue Unit
 City Austin State TX Zip 78727 Occupied By Vacant Count of Occupants
 Year Built 1976 Foundation Slab Estimated Sq Footage 1,487 Average Duct Leakage 23.2%
 Levels 1.0 Bedrms 3 Baths 3.0 Fireplaces 0 Average Wall Height 8 ft Average Attic R-Value 18

WINDOWS & SHADING

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

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

Choose House Shape



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

APPLIANCES & WATER HEATER

APPLIANCES (Remaining in Home)	'92 or older	'93 or newer		
Refrigerators	0	0	Pool Pumps	0 Speed
Freezers	0	0	Pool Pump Timers	0
Clothes Washers	0	0		
Clothes Dryers Gas	0	0	Water Heaters	1
Dish Washers		1	WH1 Standard	Fuel 1 Natural Gas
Range/Stove/Ovens Gas		1	WH2	Fuel 2
Inefficient Toilets (> 1.6 gal)			Water Heater Timers	0
Efficient Toilets (<= 1.6 gal)		3		
MISC Lighting Combination	Solar PV N		Electric Vehicle Charger	N Natural Gas Generator N
Sprinklers <input type="checkbox"/> Year Installed	Rainwater Collector N		Water Saving Devices	Some Installed

ATTIC INSULATION & AIR INFILTRATION

Roof Type Pitched Roof Materials Shingle Roof Color Dark Total Attic R-Value 18
 Attic Insulation Insulation Type LF - Fiberglass & Insulsafe Secondary Insulation Type None
 Square Feet 1,487 Inches Deep 8.0 R-Value 18
 Vaulted Ceiling Insulation Insulation Type No Vaulted Ceiling Secondary Insulation Type
 Square Feet Inches Deep R-Value
 Cathedral Ceiling Insulation Insulation Type No Cathedral Ceiling
 Square Feet Inches Deep R-Value
 Attic/Knee Wall Insulation Status No Attic or Knee Walls
 N Radiant Barrier Chases None
 Plumbing Penetrations Sealed N Furnace & WH Closet Appropriately Sealed N
 # Exterior Doors 4 # Doors Weather-stripped 0 Whole House Fan None
 # Conditioned Stair Boxes/Hatches 0 # Insulated 0 # Weather-stripped 0

HEATING & COOLING (1) Zone Description Whole House **Est. Sq. Ft. (Zone)** 1,487

COOLING Type Central Air Thermostat Other Programmable
 Condenser Mfg Date 1994 Est. EER 9.0 Est. Condenser BTUs [3.0] 36K
 Tonnage From Mfg Spec 3.0 OR Est. from Sq. Ft. Sq. Ft. per Ton

HEATING Type Central Fuel Type Gas Location Inside House (Closet) Air Handler Up Flow
 Furnace Mfg Date '90-'05 Est. BTUs [3.0] 60K - 65K Est. BTUs (other) AFUE [Electric Start] 80%

DUCT SYSTEM (Check all that apply) NONE Mylar Flex Grey Flex Duct Board Sheet Metal
 Duct Locations Conditioned Space Crawl Spaces Furrdowns Attic
 Duct Condition Fair R-Value R-4
 Return Air Sq. In. 250 Grille Type Stamped Return Plenum Seal No Visible Sealant

LEAKAGE Target CFM 1200 Current Est. CFM 500
 Did Not Reach Pressure Measured Pressure Test Leakage CFM 278 % Leakage 23%
 Supply Air Reading F 46.0 Return Air Reading F 60.0 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 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) 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 % 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 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) 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 (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) 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) 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

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