

**2005 EPACT ENERGY EFFICIENT HOME TAX CREDIT**

Date:	March 18, 2008	Rating No.:	
Building Name:		Rating Org.:	Cornerstone Energy
Owner's Name:	PDG Domus	Phone No.:	614-351-1439
Property:	1479 Gibbard ave.	Rater's Name:	Terry Smith
Address:	Columbus, OH	Rater's No.:	2003-02
Builder's Name:	PDG Domus		
Weather Site:	Columbus, OH	Rating Type:	Confirmed Rating
File Name:	Domus.blg	Rating Date:	3-44-08

**Normalized, Modified End-Use Loads (MMBtu/year)**

**Envelope Loads (MMBtu/year)**

	2004 IECC			2004 IECC	
	50% Target	As Designed		90% Target	As Designed
Heating:	17.4	11.1	Heating:	31.3	17.1
Cooling:	8.0	10.9	Cooling:	14.4	13.1
Total:	25.4	22.0	Total:	45.7	30.3


**This home MEETS the requirements for the residential energy efficiency tax credits under Section 1332, Credit for Construction of New Energy Efficient Homes, of the Energy Policy Act of 2005.**

As demonstrated above, this dwelling unit has a projected level of annual heating and cooling energy consumption that is at least 50% below the annual level of heating cooling energy consumption of a reference dwelling in the same climate zone, and the building envelope components improvements alone account for at least 10% of those savings. The projected heating and cooling energy savings above have been calculated in the manner prescribed in Section 2.02 of Notice 2006-27 of the Internal Revenue Service. Field inspections of the dwelling unit performed by the undersigned eligible certifier during and after the completion of construction have confirmed that all features of the home affecting such heating and cooling energy consumption comply with the design specifications provided to the undersigned certifier.

**Building Shell Features**

Ceiling Flat:	NA	Slab:	None
Vaulted Ceiling:	U-0.024	Duct:	Uninsulated
Above Grade Walls:	U-0.029	Window:	U-Value = 0.350, SHGC = 0.450
Foundation Walls:	R-35.0	Heating:	Fuel-fired air distribution, Natural gas, 96.0 AFUE.
Exposed Floor:	U-0.042	Cooling:	Air conditioner, Electric, 13.0 SEER.

**Under penalties of perjury, I declare that I have examined this certification, including accompanying documents, and to the best of my knowledge and belief, the facts presented in support of this certification are true, correct, and complete.**

Name:	<b>Eric J Powell</b>	Signature:	
Company:	Cornerstone Energy Conservation Services 1320 McKinley Ave. Suite B	Date:	3-24-08
Address:	Columbus, OH 43222 (614) 351-1439		



ENERGY STAR HOME REPORT

Date: March 18, 2008 Rating No.:
Building Name: Rating Org.: Cornerstone Energy
Owner's Name: PDG Domus Phone No.: 614-351-1439
Property: 1479 Gibbard ave. Rater's Name: Terry Smith
Address: Columbus, OH Rater's No.: 2003-02
Builder's Name: PDG Domus
Weather Site: Columbus, OH Rating Type: Confirmed Rating
File Name: Domus.blg Rating Date: 3-44-08

Normalized, Modified End-Use Loads (MMBtu/year)

Table with 3 columns: Category, ENERGY STAR, As Designed. Rows include Heating, Cooling, Water heating, Lighting & Appliances, Total, and HERS Index.

ENERGY STAR Mandatory Requirements

Form with checkboxes for Thermal Bypass Inspection Checklist, ENERGY STAR Products, Ductwork Requirements, and ENERGY STAR Scoring Exceptions.

\* Thermal Bypass Checklist and ENERGY STAR Products are not checked in REM/Rate at this time.

This home MEETS OR EXCEEDS the energy efficiency requirements for designation as an EPA ENERGY STAR Qualified Home.

Table with 2 main sections: Pollution Prevented and Energy Cost Savings (\$/year). Rows include Carbon Dioxide, Sulfur Dioxide, Nitrogen Oxides, Heating, Cooling, Water Heating, Lights & Appliances, and Total.

The energy savings and pollution prevented are calculated by comparing the Rated Home to the Reference Home as defined in the "Mortgage Industry National Home Energy Rating Systems Standards" as promulgated by the Residential Energy Services Network (RESNET).



**An ENERGY STAR® Labeled Home**

This certifies that the home built at

**1479 GIBBARD AVE., COLUMBUS, OH**

By PDG Domus

and Verified by: Cornerstone Energy Conservation Services

meets ENERGY STAR guidelines for energy efficiency as established by the U.S. Environmental Protection Agency.

ENERGY STAR labeled homes protect the environment by using less energy.

March 04, 2008

David Lee

Director

ENERGY STAR Residential Programs

[www.energystar.gov](http://www.energystar.gov)

Sam Rashkin

Director

ENERGY STAR for New Homes



# Home Energy Rating Certificate

1479 Glibbard ave.  
Columbus, OH



**5 Stars Plus**  
Confirmed Rating

Energy Efficient

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70-0

HERS Index: **64**

### General Information

Conditioned Area: 1596 sq. ft. House Type: Single-family detached  
 Conditioned Volume: 11272 cubic ft. Foundation: Enclosed crawl space  
 Bedrooms: 3

### Mechanical Systems Features

Heating: Fuel-fired air distribution, Natural gas, 96.0 AFUE.  
 Cooling: Air conditioner, Electric, 13.0 SEER.  
 Water Heating: Conventional, Electric, 0.93 EF.  
 Duct Leakage to Outside: 79.00 CFM.  
 Ventilation System: Air Cycler: 46 cfm, 65.0 watts.  
 Programmable Thermostat: Heating: No Cooling: No

### Building Shell Features

Ceiling Flat: NA Exposed Floor: U-0.042  
 Vaulted Ceiling: U-0.024 Window Type: U 0.35, SHG 0.45  
 Above Grade Walls: U-0.029 Infiltration: Rate: Htg: 286 Clg: 286 CFM50  
 Foundation Walls: R-35.0 Method: Blower door test  
 Slab: None

### Lights and Appliance Features

Percent Fluorescent Pin-Based: 30.00 Clothes Dryer Fuel: Natural gas  
 Percent Fluorescent CFL: 0.00 Range/Oven Fuel: Natural gas  
 Refrigerator (kWh/yr): 420.00 Ceiling Fan (cfm/Watt): 0.00  
 Dishwasher Energy Factor: 0.65

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

**REM/Rate - Residential Energy Analysis and Rating Software v12.43**

This information does not constitute any warranty of energy cost or savings.  
 © 1985-2007 Architectural Energy Corporation, Boulder, Colorado.

Rating Number: Terry Smith  
 Certified Energy Rater: 3-44-08  
 Rating Date: PDG Dommus  
 Rating Ordered For:

### Estimated Annual Energy Cost

Use	Confirmed Rating	MMBtu	Cost	Percent
Heating	20.1	\$266	24%	
Cooling	3.7	\$78	7%	
Hot Water	12.4	\$266	24%	
Lights/Appliances	20.9	\$374	34%	
Photovoltaics	-0.0	-\$0	-0%	
Service Charges		\$117	11%	
<b>Total</b>		<b>\$1101</b>	<b>100%</b>	

This home meets or exceeds the minimum criteria for all of the following:

TITLE  
 Company  
 Address  
 City, State, Zip  
 Phone #  
 Fax #



# Home Energy Rating Certificate



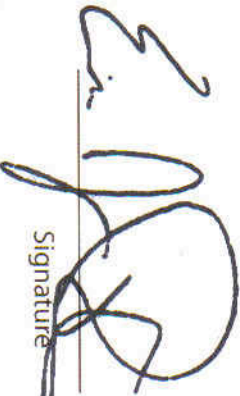
Rating Score

Rating  
**64.0**

Issued To

PDG Domus  
1479 GIBBARD AVE.  
COLUMBUS, OH

Estimated Annual Energy Operating Cost  
**\$1,085.59**



Signature

Date

9/19/08

Reference Number

14669

Cornerstone  
Energy Conservation Services



## SOURCE ENERGY & EMISSIONS REPORT

Date:	March 18, 2008	Rating No.:	
Building Name:		Rating Org.:	Cornerstone Energy
Owner's Name:	PDG Domus	Phone No.:	614-351-1439
Property:	1479 Gibbard ave.	Rater's Name:	Terry Smith
Address:	Columbus, OH	Rater's No.:	2003-02
Builder's Name:	PDG Domus	Rating Type:	Confirmed Rating
Weather Site:	Columbus, OH	Rating Date:	3-44-08
File Name:	Domus.blg		

### Source Energy Consumption (MMBtu/year)

	<i>All Electric</i>			
	<i>Reference Home</i>	<i>As Designed</i>	<i>Difference</i>	<i>% Difference</i>
Heating:	65.9	23.2	-42.7	-64.8%
Cooling:	20.3	13.8	-6.5	-31.8%
Water heating:	46.9	45.8	-1.1	-2.3%
Lights & Appliances:	58.7	54.2	-4.6	-7.8%
Photovoltaics:	0.0	0.0		
<b>Total:</b>	<b>191.8</b>	<b>137.0</b>	<b>-54.8</b>	<b>-28.6%</b>

### Total Emissions (lbs/year)

	<i>All Electric</i>			
<i>Type of Emissions</i>	<i>Reference Home</i>	<i>As Designed</i>	<i>Difference</i>	<i>% Difference</i>
Carbon Dioxide (CO2)	28440.8	21516.4	-6924.4	-24.3%
Sulfur Dioxide (SO2)	218.2	190.9	-27.4	-12.5%
Nitrogen Oxides (NOx)	104.5	87.2	-17.3	-16.5%

### Emissions By End-Use (lbs/year) (All Electric Reference Home versus As Designed)

	CO2		SO2		NOx	
	<i>Ref</i>	<i>Des</i>	<i>Ref</i>	<i>Des</i>	<i>Ref</i>	<i>Des</i>
Heating	7473.7	2625.3	8.3	2.8	12.0	4.2
Cooling	3479.6	2371.8	36.7	25.0	16.0	10.9
Water Heating	8031.0	7848.4	84.7	82.8	36.8	36.0
Lights & Appliances	9456.4	8670.9	88.5	80.2	39.8	36.2
Photovoltaics	0.0	0.0	0.0	0.0	0.0	0.0

The energy and emission values are calculated by comparing the Rated Home to an all-electric version of the Reference Home as defined in the "Mortgage Industry National Home Energy Rating Systems Standards" as promulgated by the Residential Energy Services Network (RESNET). Site-to-source energy multipliers and air emission data were taken from the USEPA E-GRID97 database.