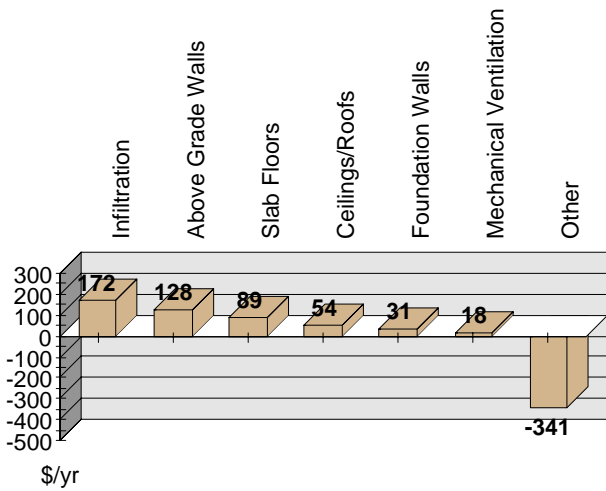


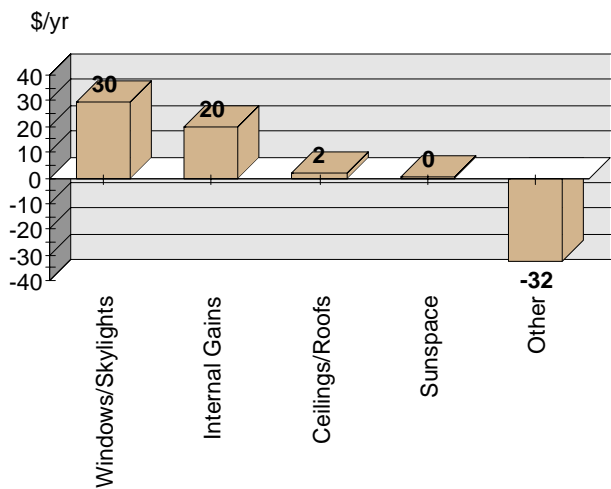
ACTION REPORT

Date:	September 28, 2005	Rating No.:	123-XXX
Building Name:	Sample w/Act Solar	Rating Org.:	Building Energy Solutions, Inc
Owner's Name:	House A, active and passive	Phone No.:	(505) 269-2969
Property		Rater's Name:	Larry Gorman
Address:	Santa Fe, NM	Rater's No.:	123
Builder's Name:			
Weather Site:	Santa Fe, NM	Rating Type:	Based On Plans
File Name:	House A, with active and passive solar 1	Rating Date:	June 23, 2004

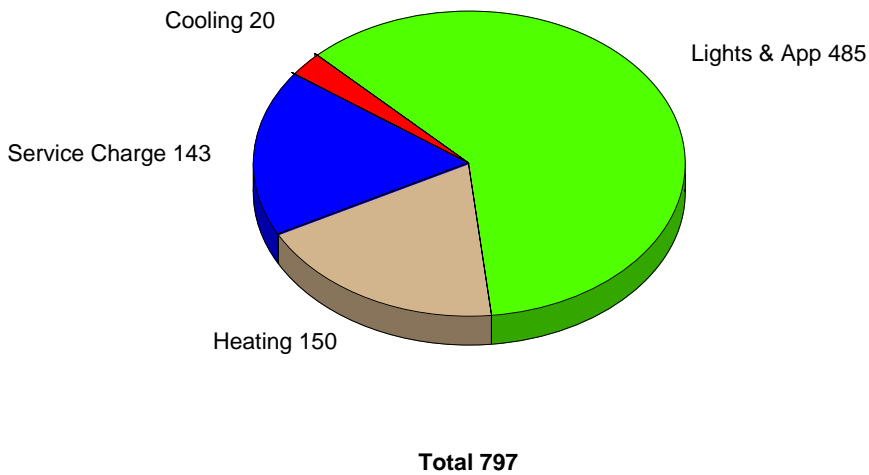
Heating Cost (\$/yr)



Cooling Cost (\$/yr)



Annual Energy Cost (\$/yr)



EQUIPMENT SIZING SUMMARY

Date:	September 28, 2005	Rating No.:	123-XXX
Building Name:	Sample w/Act Solar	Rating Org.:	Building Energy Solutions, Inc
Owner's Name:	House A, active and passive	Phone No.:	(505) 269-2969
Property Address:	Santa Fe, NM	Rater's Name:	Larry Gorman
Builder's Name:		Rater's No.:	123
Weather Site:	Santa Fe, NM	Rating Type:	Based On Plans
File Name:	House A, with active and passive solar l	Rating Date:	June 23, 2004

Sample w/Act Solar

HEATING

Calculated Peak Load (kBtu/hr)	28.8
Oversize Factor (%)	100.0

HEATING EQUIPMENT CAPACITY (kBtu/hr)

Required	28.8
Specified	36.0

COOLING

Calculated Peak Load (kBtu/hr)	14.5
Sensible	14.5
Latent	0.0
Oversize Factor (%)	100.0

COOLING EQUIPMENT CAPACITY (kBtu/hr)

Required Total	14.5
Specified Total	36.0

Required Sensible	14.47
Specified Sensible	36.00

Required Latent	0.00
Specified Latent	0.00

Notes:



ENERGY STAR

ENERGY STAR HOME REPORT

Date: September 28, 2005 Rating No.: 123-XXX

Building Name: Sample w/Act Solar Rating Org.: Building Energy Solutions, Inc

Owner's Name: House A, active and passive Phone No.: (505) 269-2969

Property Address: Santa Fe, NM Rater's Name: Larry Gorman

Builder's Name: Rater's No.: 123

Weather Site: Santa Fe, NM Rating Type: Based On Plans

File Name: House A, with active and passive solar 1 Rating Date: June 23, 2004

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

	<i>Energy Star</i>	<i>As Designed</i>
Heating:	27.3	9.9
Cooling:	15.5	3.5
Water heating:	10.3	0.0
Total:	53.1	13.5
HERS Score:	86.0	96.5

This home MEETS the energy efficiency requirements for designation as an EPA Energy Star Home.

Pollution Prevented through Energy Star Home Upgrades

<i>Type of Emissions</i>	<i>Reduction (lb/year)</i>
Carbon Dioxide (CO2)	14667.3
Sulfur Dioxide (SO2)	13.9
Nitrogen Oxides (NOx)	28.6

Energy Cost Savings (\$/year)

	<i>Savings</i>
Heating:	\$416
Cooling:	\$183
Water heating:	\$257
Total:	\$857

The energy savings and pollution prevented are calculated by comparing the As Designed home to the Energy Efficient Reference Home as defined in the "National Home Energy Rating Technical Guidelines", prepared by the HERS Council, as amended and approved September 19, 1999 by the National Association of State Energy Officials. In accordance with these guidelines, building inputs affecting setpoints, infiltration rates, window shading and the existence of mechanical systems may have been changed prior to calculating loads.

2003 IECC OVERALL BUILDING U_o COMPLIANCE

Date:	September 28, 2005	Rating No.:	123-XXX
Building Name:	Sample w/Act Solar	Rating Org.:	Building Energy Solutions, Inc
Owner's Name:	House A, active and passive	Phone No.:	(505) 269-2969
Property Address:	Santa Fe, NM	Rater's Name:	Larry Gorman
Builder's Name:		Rater's No.:	123
Weather Site:	Santa Fe, NM	Rating Type:	Based On Plans
File Name:	House A, with active and passive solar l	Rating Date:	June 23, 2004

Elements	Insulation Levels	
	2003 IECC	As Designed
Shell U _o Check		
Ceilings (U-Value):	0.026	0.040
Above-Grade Walls (U-Value):	0.124	0.118
Slab Floor, Heated (R-Value):	7.208	20.000
Basement Walls (U-Value):	0.092	0.058
Overall U _o (Design must be lower):	0.079	0.076

This home MEETS the overall thermal performance requirements of the International Energy Conservation Code based on 6092 heating degree-days. (Section 502, International Energy Conservation Code, 2003 edition.)

Building Elements	Type	U-Value	Area
Ceilings			
Roof	R-49 Flat Truss	0.023	1693.0
Skylight	Solar Tube, Daylite	0.850	35.0
Above-Grade Walls			
Wall	R20.35 Bln Cellulose	0.057	1155.0
Wall	R20.35 Bln Cellulose	0.057	280.0
Window	Double/LoE - Vinyl	0.360	207.0
Window	Double/LoE - Vinyl	0.360	69.0
Window	Double/LoE - Vinyl	0.360	69.0
Door	1-3/4 Wd solid core	0.329	20.0
Slab Floor, Heated			
Exposed Perimeter	R-10 PeriUndr w/Rdnt	n/a	180.0
Basement Walls			
Wall	R15 ext, 2' deep	0.058	360.0

2003 IECC ANNUAL ENERGY CONSUMPTION COMPLIANCE

Date:	September 28, 2005	Rating No.:	123-XXX
Building Name:	Sample w/Act Solar	Rating Org.:	Building Energy Solutions, Inc
Owner's Name:	House A, active and passive	Phone No.:	(505) 269-2969
Property Address:	Santa Fe, NM	Rater's Name:	Larry Gorman
Builder's Name:		Rater's No.:	123
Weather Site:	Santa Fe, NM	Rating Type:	Based On Plans
File Name:	House A, with active and passive solar 1	Rating Date:	June 23, 2004

Annual Energy Consumption (MMBtu)

	2003 IECC	As Designed
Heating:	41.0	16.9
Cooling:	6.4	1.4
Water Heating:	27.7	0.0
Lights and Appliances:	19.8	21.6
Photovoltaics:	0.0	0.0
Total:	94.9	39.8 *

This home MEETS the annual energy consumption requirements of Section 402 of the 2003 International Energy Conservation Code based on 6092 heating degree-days. In fact, this home surpasses the requirements by 58.1%.

* Design consumption is based on the following:

Heating: Fuel-fired hydronic distribution, 36.0 kBtuh, 80.0 AFUE.

Cooling: Evaporative cooler, 36.0 kBtuh, 30.0 SEER.

Water Heating: Conventional, Gas, 0.56 EF.

Window-to-Wall Area Ratio: 0.16

Blower door test: Htg: 0.35 Clg: 0.35 ACHnat

In accordance with the IECC, building inputs such as setpoints, infiltration rates, and window shading may have been changed prior to calculating annual energy consumption.

2004 IECC ANNUAL ENERGY COST COMPLIANCE

Date: September 28, 2005 Rating No.: 123-XXX

Building Name: Sample w/Act Solar Rating Org.: Building Energy Solutions, Inc
Owner's Name: House A, active and passive Phone No.: (505) 269-2969
Property Rater's Name: Larry Gorman
Address: Santa Fe, NM Rater's No.: 123
Builder's Name:
Weather Site: Santa Fe, NM Rating Type: Based On Plans
File Name: House A, with active and passive solar 1 Rating Date: June 23, 2004

Annual Energy Cost

	2004 IECC	As Designed
Heating:	408	160
Cooling:	99	31
Water Heating:	257	0
Lights & Appliances:	445	485
Photovoltaics:	0	0
Service Charge:	143	143
Total:	1351	818 *

This home MEETS the annual energy cost requirements in accordance with Section 404 of the 2004 International Energy Conservation Code based on a climate zone of 5B. In fact, this home surpasses the requirements by 58.0%.

* Design energy cost is based on the following systems:
Heating: Fuel-fired hydronic distribution, 36.0 kBtuh, 80.0 AFUE.
Cooling: Evaporative cooler, 36.0 kBtuh, 30.0 SEER.
Water Heating: Conventional, Gas, 0.56 EF.
Window-to-Wall Area Ratio: 0.16
Blower door test: Htg: 0.35 Clg: 0.35 ACHnat

In accordance with IECC, building inputs, such as setpoints, infiltration rates, and window shading may have been changed prior to calculating annual energy cost. Furthermore, the standard reference design HVAC system efficiencies are set to the "prevailing federal minimum standards" as of November, 2004. These standards are subject to change, and software updates should be obtained periodically to ensure the compliance calculations reflect current federal minimum standards.