
BUILDING MODEL

Weatherization Assistance Program Indiana Field Guide

Site Built Waiver Audit Priority List

The State of Indiana uses a single priority list for all site-built houses based on the measures specified by NEAT. For "1-4 Unit Buildings, or 5 Unit Multi Family, 3 Stories or Less, Individually Heated", measures to be addressed are:

INDIANA WEATHERIZATION ASSISTANCE PROGRAM SITE-BUILT HOME WORK ORDER

ACTIVITY LIST	
<input type="checkbox"/> Health & Safety	INITIAL BD: _____
<input type="checkbox"/> General Heat Waste	MVR: _____
<input type="checkbox"/> Blower Door Directed Air Sealing	METHOD: _____
<input type="checkbox"/> Water Heater System Treatment	<input type="checkbox"/> 1200CFM50
<input type="checkbox"/> Furnace Tune Up	<input type="checkbox"/> .35 ACH
<input type="checkbox"/> Lighting	<input type="checkbox"/> 15CFM/Person
Client Education	
<input type="checkbox"/> Insulate Un-insulated Ceilings	
<input type="checkbox"/> Insulate Ducts Outside Thermal Boundary	
<input type="checkbox"/> Insulate Un-insulated Walls	
<input type="checkbox"/> Insulate Partially Insulated Ceilings	
<input type="checkbox"/> Insulate Box Sills	
<input type="checkbox"/> Insulate Foundation/Ducts	
<input type="checkbox"/> Refrigerator Replacement	
<input type="checkbox"/> Other	INTRIM BD: _____
<input type="checkbox"/> Minor Air Sealing	FINAL BD: _____
PROGRAM: <input type="checkbox"/> DOE <input type="checkbox"/> LIHEAP	<input type="checkbox"/> BASE
	<input type="checkbox"/> MECH <input type="checkbox"/> SWEEP
	<input type="checkbox"/> CAP INT
Job #: _____	Client Name: _____
Address: _____	
Comments: _____	

Intake: _____	Started: _____
Audit: _____	Completed: _____
Approved: _____	Final Inspected: _____

Health & Safety: Combustion Appliance Replace/Repair, General Health & Safety	Materials	Cost

GENERAL HEAT WASTE		
Blower Door Directed Air Sealing: Major Air Leaks, Bypasses, Ducts:	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
Water Heater System Treatment:	Materials	Cost
_____	Water Heater Insulation	_____
_____	Water Pipe Insulation	_____
_____	Low Flow Shower Heads	_____
_____	Faucet Aerators	_____
Furnace Tune-Up:	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
Lighting: Compact Florescent Bulbs	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Client Education	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate Un-insulated Ceilings: To R-38	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate HVAC Ducts Outside The Thermal Boundary	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate Un-insulated Walls to R-15	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate Ceilings With R-19 Or Less To R-38	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate Box Sills To R-19	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate Foundation Or Insulate Ducts	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Refrigerator Replacement	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Other: Necessary Repairs, Misc.	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Minor Air Sealing: CFM50:_____ MVR:_____	Materials	Cost
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	MVR:_____	_____

Mobile Home Waiver Audit Priority List

The State of Indiana uses a single priority list for all mobile homes based on the measures specified by MHEA. For all Manufactured Housing, measures in the order that they are to be performed are:

INDIANA WEATHERIZATION ASSISTANCE PROGRAM MOBILE HOME WORK ORDER

ACTIVITY LIST	
Health & Safety	INITIAL BD: _____
	MVR: _____
General Heat Waste	METHOD:
Blower Door Directed Air Sealing	_____ 1200CFM50
Water Heater System Treatment	_____ .35 ACH
Furnace Tune Up	_____ 15CFM/Person
Lighting	
Client Education	
Insulate Un-insulated Ceilings	
Insulate Ducts Outside Thermal Boundary	
Insulate Un-insulated Walls	
Insulate Partially Insulated Ceilings	
Insulate Box Sills	
Insulate Foundation/Ducts	
Refrigerator Replacement	
Other	INTRIM BD: _____
Minor Air Sealing	FINAL BD: _____
	_____ BASE
PROGRAM: _____ DOE LIHEAP _____ MECH _____ SWEEP	
	_____ CAP INT
Job #: _____	Client Name: _____
Address: _____	
Comments: _____	
Intake: _____	Started: _____
Audit: _____	Completed: _____
Approved: _____	Final Inspected: _____

Health & Safety: Combustion Appliance Replace/Repair, General Health & Safety	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

GENERAL HEAT WASTE		
Blower Door Directed Air Sealing: Major Air Leaks, Bypasses, Ducts:	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
Water Heater System Treatment:	Materials	Cost
_____	Water Heater Insulation	_____
_____	Water Pipe Insulation	_____
_____	Low Flow Shower Heads	_____
_____	Faucet Aerators	_____
Furnace Tune-Up:	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
Lighting: Compact Florescent Bulbs	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Client Education	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____

Insulate Floors	Materials	Cost
Floor Joist Direction: _____	_____	_____
Floor Joist Size: _____	_____	_____
Belly Cavity Configuration: _____	_____	_____

Insulate Partially Insulated Walls: If Cavity Air Space > 1"	Materials	Cost
Framing/Cavity Depth: _____	_____	_____
Existing Insulation: _____	_____	_____
Net Wall Area: _____	_____	_____

Insulate Partially Insulated Ceilings: If Existing < 3½"	Materials	Cost
Ceiling Type: Bowstring/Pitched	_____	_____
Cavity Depth: _____	_____	_____
Existing Insulation: _____	_____	_____
Ceiling Area: _____	_____	_____

Refrigerator Replacement	Materials	Cost
Existing Metered KWH/Yr: _____	_____	_____
Existing Size: _____	_____	_____

Other: Necessary Repairs, Misc.	Materials	Cost
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Minor Air Sealing: CFM50:_____ MVR:_____	Materials	Cost
_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
CFM50:_____	_____	_____
_____	_____	_____
FINAL CFM50:_____	_____	_____

The Weatherization Assistant: NEAT & MHEA



The Weatherization Assistant is a family of energy audit computer programs which assist weatherization agencies determine the most cost-effective energy efficiency retrofit measures for single family site-built and manufactured (mobile) homes.

Designed specifically for State and local agencies implementing the DOE Weatherization Assistance Program, the Weatherization Assistant is currently composed of two programs: the National Energy Audit Tool (NEAT) for site-built homes and the Manufactured Home Energy Audit (MHEA) for mobile homes. A third program addressing small multifamily buildings is planned for the future.

The Weatherization Assistant serves as an umbrella for NEAT and MHEA adding administrative features applicable to both programs. The Weatherization Assistant package of programs (Version 7.4.3, released August 2003 and Version 8.2.7.6, released September 2005) includes both NEAT and MHEA. The software is available to the public at the following website:

http://waptac.org/sp.asp?mc=techaids_audits

STANDARD: PRIORITY LISTS, NEAT & MHEA

- Must use Site-Built or Mobile Home Priority List if appropriate for the building
- Must use NEAT or MHEA when building is not appropriate for the Priority List

STATE OF INDIANA REFRIGERATOR REPLACEMENT PROGRAM

Procedure - Refrigerator Replacement Protocol

The State's policy is that each primary refrigerator is to be metered to determine the unit's consumption and each agency is to determine if it meets or exceeds an SIR of 1. If so, the unit is to be replaced according to the following State policy:

- Owner occupied home only
- Testing to occur during initial audit
- Primary unit only, must be empty & ready
- ENERGY STAR qualified units are to be used as replacements
- Work with utility if possible - Cinergy contribution based on savings
- Sub-grantee may choose a supplier other than Whirlpool if total cost is less including delivery, set-up, and old unit disposal
- Old units must be recycled when disposed
- Second refrigerator encouraged to recycle, Whirlpool will pick up if new unit being delivered
- Follow **Refrigerator Protocol**
- Determine Cost Effectiveness using the Table on pages 2-12, 2-13 and 2-14 (Refrigerator/Freezer Replacement Discounted Lifetime Savings) based on Size of replacement unit using:
 - Annual kWhY from Protocol - Step #4 or #6
 - Your utility rate
 - Savings over the life of the unit

If a utility is participating, adjust cost of unit to see if cost effective to replace

Cinergy will pay based on savings. See Schedule of Payment for Refrigerator Replacement on page 2-15

- If Savings is greater than the cost of the Unit = Replace (SIR > 1)
- Replacement Sizing:
 - 1-2 Person Homes less than 1000 square feet = 15 cu ft
 - 1-2 Person Homes more than 1000 ft² = 18 cu ft
 - 3-5 People = 18 cu ft
 - 6+ People = 21 cu ft

Refrigerator/Freezer Replacement Discounted Lifetime Savings

443 Kwh Annual Usage Replacement Unit - 21 cf

Kwh/Day	Kwh/Year	Fuel Cost in Cents per Kwh													
		\$0.050	\$0.055	\$0.060	\$0.065	\$0.070	\$0.075	\$0.080	\$0.085	\$0.090	\$0.095	\$0.100			
2.5	912.5	\$250.78	\$275.86	\$300.94	\$326.01	\$351.09	\$376.17	\$401.25	\$426.33	\$451.40	\$476.48	\$501.56			
3	1095	\$348.26	\$383.09	\$417.91	\$452.74	\$487.57	\$522.39	\$557.22	\$592.04	\$626.87	\$661.70	\$696.52			
3.5	1277.5	\$445.74	\$490.32	\$534.89	\$579.47	\$624.04	\$668.61	\$713.19	\$757.76	\$802.34	\$846.91	\$891.48			
4	1460	\$543.22	\$597.55	\$651.87	\$706.19	\$760.51	\$814.84	\$869.16	\$923.48	\$977.80	\$1,032.12	\$1,086.45			
4.5	1642.5	\$640.70	\$704.78	\$768.85	\$832.92	\$896.99	\$961.06	\$1,025.13	\$1,089.20	\$1,153.27	\$1,217.34	\$1,281.41			
5	1825	\$738.19	\$812.00	\$885.82	\$959.64	\$1,033.46	\$1,107.28	\$1,181.10	\$1,254.92	\$1,328.73	\$1,402.55	\$1,476.37			
5.5	2007.5	\$835.67	\$919.23	\$1,002.80	\$1,086.37	\$1,169.93	\$1,253.50	\$1,337.07	\$1,420.63	\$1,504.20	\$1,587.77	\$1,671.33			
6	2190	\$933.15	\$1,026.46	\$1,119.78	\$1,213.09	\$1,306.41	\$1,399.72	\$1,493.04	\$1,586.35	\$1,679.67	\$1,772.98	\$1,866.30			
6.5	2372.5	\$1,030.63	\$1,133.69	\$1,236.76	\$1,339.82	\$1,442.88	\$1,545.94	\$1,649.01	\$1,752.07	\$1,855.13	\$1,958.20	\$2,061.26			
7	2555	\$1,128.11	\$1,240.92	\$1,353.73	\$1,466.54	\$1,579.35	\$1,692.17	\$1,804.98	\$1,917.79	\$2,030.60	\$2,143.41	\$2,256.22			
2.5	912.5	\$0.105	\$0.110	\$0.115	\$0.120	\$0.125	\$0.130	\$0.135	\$0.140						
3	1095	\$731.35	\$766.17	\$801.00	\$835.83	\$870.65	\$905.48	\$940.31	\$975.13						
3.5	1277.5	\$936.06	\$980.63	\$1,025.21	\$1,069.78	\$1,114.36	\$1,158.93	\$1,203.50	\$1,248.08						
4	1460	\$1,140.77	\$1,195.09	\$1,249.41	\$1,303.74	\$1,358.06	\$1,412.38	\$1,466.70	\$1,521.03						
4.5	1642.5	\$1,345.48	\$1,409.55	\$1,473.62	\$1,537.69	\$1,601.76	\$1,665.83	\$1,729.90	\$1,793.97						
5	1825	\$1,550.19	\$1,624.01	\$1,697.83	\$1,771.65	\$1,845.46	\$1,919.28	\$1,993.10	\$2,066.92						
5.5	2007.5	\$1,754.90	\$1,838.47	\$1,922.03	\$2,005.60	\$2,089.17	\$2,172.73	\$2,256.30	\$2,339.87						
6	2190	\$1,959.61	\$2,052.93	\$2,146.24	\$2,239.56	\$2,332.87	\$2,426.18	\$2,519.50	\$2,612.81						
6.5	2372.5	\$2,164.32	\$2,267.38	\$2,370.45	\$2,473.51	\$2,576.57	\$2,679.64	\$2,782.70	\$2,885.76						
7	2555	\$2,369.03	\$2,481.84	\$2,594.65	\$2,707.46	\$2,820.28	\$2,933.09	\$3,045.90	\$3,158.71						

2 · 18		434 Kwh Annual Usage Replacement Unit - 18 cf													
		Fuel Cost in Cents per Kwh													
Kwh/Day	Kwh/Year	\$0.050	\$0.055	\$0.060	\$0.065	\$0.070	\$0.075	\$0.080	\$0.085	\$0.090	\$0.095	\$0.100			
2.5	912.5	\$255.59	\$281.15	\$306.70	\$332.26	\$357.82	\$383.38	\$408.94	\$434.50	\$460.06	\$485.62	\$511.17			
3	1095	\$353.07	\$388.38	\$423.68	\$458.99	\$494.30	\$529.60	\$564.91	\$600.22	\$635.52	\$670.83	\$706.14			
3.5	1277.5	\$450.55	\$495.60	\$540.66	\$585.71	\$630.77	\$675.82	\$720.88	\$765.93	\$810.99	\$856.04	\$901.10			
4	1460	\$548.03	\$602.83	\$657.64	\$712.44	\$767.24	\$822.05	\$876.85	\$931.65	\$986.46	\$1,041.26	\$1,096.06			
4.5	1642.5	\$645.51	\$710.06	\$774.61	\$839.17	\$903.72	\$968.27	\$1,032.82	\$1,097.37	\$1,161.92	\$1,226.47	\$1,291.02			
5	1825	\$742.99	\$817.29	\$891.59	\$965.89	\$1,040.19	\$1,114.49	\$1,188.79	\$1,263.09	\$1,337.39	\$1,411.69	\$1,485.99			
5.5	2007.5	\$840.47	\$924.52	\$1,008.57	\$1,092.62	\$1,176.66	\$1,260.71	\$1,344.76	\$1,428.81	\$1,512.85	\$1,596.90	\$1,680.95			
6	2190	\$937.96	\$1,031.75	\$1,125.55	\$1,219.34	\$1,313.14	\$1,406.93	\$1,500.73	\$1,594.52	\$1,688.32	\$1,782.12	\$1,875.91			
6.5	2372.5	\$1,035.44	\$1,138.98	\$1,242.52	\$1,346.07	\$1,449.61	\$1,553.15	\$1,656.70	\$1,760.24	\$1,863.79	\$1,967.33	\$2,070.87			
7	2555	\$1,132.92	\$1,246.21	\$1,359.50	\$1,472.79	\$1,586.08	\$1,699.38	\$1,812.67	\$1,925.96	\$2,039.25	\$2,152.54	\$2,265.84			
2.5	912.5	\$0.105	\$0.110	\$0.115	\$0.120	\$0.125	\$0.130	\$0.135	\$0.140						
3	1095	\$741.44	\$776.75	\$812.06	\$847.36	\$882.67	\$917.98	\$953.29	\$988.59						
3.5	1277.5	\$946.15	\$991.21	\$1,036.26	\$1,081.32	\$1,126.37	\$1,171.43	\$1,216.48	\$1,261.54						
4	1460	\$1,150.86	\$1,205.67	\$1,260.47	\$1,315.27	\$1,370.08	\$1,424.88	\$1,479.68	\$1,534.49						
4.5	1642.5	\$1,355.58	\$1,420.13	\$1,484.68	\$1,549.23	\$1,613.78	\$1,678.33	\$1,742.88	\$1,807.43						
5	1825	\$1,560.29	\$1,634.58	\$1,708.88	\$1,783.18	\$1,857.48	\$1,931.78	\$2,006.08	\$2,080.38						
5.5	2007.5	\$1,765.00	\$1,849.04	\$1,933.09	\$2,017.14	\$2,101.19	\$2,185.23	\$2,269.28	\$2,353.33						
6	2190	\$1,969.71	\$2,063.50	\$2,157.30	\$2,251.09	\$2,344.89	\$2,438.68	\$2,532.48	\$2,626.27						
6.5	2372.5	\$2,174.42	\$2,277.96	\$2,381.50	\$2,485.05	\$2,588.59	\$2,692.13	\$2,795.68	\$2,899.22						
7	2555	\$2,379.13	\$2,492.42	\$2,605.71	\$2,719.00	\$2,832.29	\$2,945.59	\$3,058.88	\$3,172.17						

372 Kwh Annual Usage Replacement Unit - 15 cf

Fuel Cost in Cents per Kwh

Kwh/Day	Kwh/Year	\$0.050	\$0.055	\$0.060	\$0.065	\$0.070	\$0.075	\$0.080	\$0.085	\$0.090	\$0.095	\$0.100
2.5	912.5	\$288.70	\$317.57	\$346.45	\$375.32	\$404.19	\$433.06	\$461.93	\$490.80	\$519.67	\$548.54	\$577.41
3	1095	\$386.19	\$424.80	\$463.42	\$502.04	\$540.66	\$579.28	\$617.90	\$656.52	\$695.13	\$733.75	\$772.37
3.5	1277.5	\$483.67	\$532.03	\$580.40	\$628.77	\$677.13	\$725.50	\$773.87	\$822.23	\$870.60	\$918.97	\$967.33
4	1460	\$581.15	\$639.26	\$697.38	\$755.49	\$813.61	\$871.72	\$929.84	\$987.95	\$1,046.07	\$1,104.18	\$1,162.30
4.5	1642.5	\$678.63	\$746.49	\$814.35	\$882.22	\$950.08	\$1,017.94	\$1,085.81	\$1,153.67	\$1,221.53	\$1,289.39	\$1,357.26
5	1825	\$776.11	\$853.72	\$931.33	\$1,008.94	\$1,086.55	\$1,164.16	\$1,241.78	\$1,319.39	\$1,397.00	\$1,474.61	\$1,552.22
5.5	2007.5	\$873.59	\$960.95	\$1,048.31	\$1,135.67	\$1,223.03	\$1,310.39	\$1,397.75	\$1,485.10	\$1,572.46	\$1,659.82	\$1,747.18
6	2190	\$971.07	\$1,068.18	\$1,165.29	\$1,262.39	\$1,359.50	\$1,456.61	\$1,553.72	\$1,650.82	\$1,747.93	\$1,845.04	\$1,942.14
6.5	2372.5	\$1,068.55	\$1,175.41	\$1,282.26	\$1,389.12	\$1,495.97	\$1,602.83	\$1,709.69	\$1,816.54	\$1,923.40	\$2,030.25	\$2,137.11
7	2555	\$1,166.03	\$1,282.64	\$1,399.24	\$1,515.84	\$1,632.45	\$1,749.05	\$1,865.66	\$1,982.26	\$2,098.86	\$2,215.47	\$2,332.07
2.5	912.5	\$0.105	\$0.110	\$0.115	\$0.120	\$0.125	\$0.130	\$0.135	\$0.140			
3	1095	\$810.99	\$849.61	\$888.23	\$926.85	\$965.46	\$1,004.08	\$1,042.70	\$1,081.32			
3.5	1277.5	\$1,015.70	\$1,064.07	\$1,112.43	\$1,160.80	\$1,209.17	\$1,257.53	\$1,305.90	\$1,354.27			
4	1460	\$1,220.41	\$1,278.52	\$1,336.64	\$1,394.75	\$1,452.87	\$1,510.98	\$1,569.10	\$1,627.21			
4.5	1642.5	\$1,425.12	\$1,492.98	\$1,560.85	\$1,628.71	\$1,696.57	\$1,764.44	\$1,832.30	\$1,900.16			
5	1825	\$1,629.83	\$1,707.44	\$1,785.05	\$1,862.66	\$1,940.27	\$2,017.89	\$2,095.50	\$2,173.11			
5.5	2007.5	\$1,834.54	\$1,921.90	\$2,009.26	\$2,096.62	\$2,183.98	\$2,271.34	\$2,358.70	\$2,446.06			
6	2190	\$2,039.25	\$2,136.36	\$2,233.47	\$2,330.57	\$2,427.68	\$2,524.79	\$2,621.89	\$2,719.00			
6.5	2372.5	\$2,243.96	\$2,350.82	\$2,457.67	\$2,564.53	\$2,671.38	\$2,778.24	\$2,885.09	\$2,991.95			
7	2555	\$2,448.67	\$2,565.28	\$2,681.88	\$2,798.48	\$2,915.09	\$3,031.69	\$3,148.29	\$3,264.90			

Schedule of Payment for Refrigerator Replacement 15 Cubic Foot Model

Annual kWh Consumption			Cinergy/PSI
Old Unit			
800	to	899	\$133
900	to	999	\$149
1000	to	1099	\$180
1100	to	1199	\$212
1200	to	1299	\$243
1300	to	1399	\$274
1400	to	1499	\$306
1500	to	1599	\$337
1600	to	1699	\$369
1700	to	1799	\$400
1800	to	1899	\$432

Cost per unit = \$428

kWh usage = 372

All units saving above this level will be paid for by Cinergy because cost of refrigerators will not exceed \$428

Schedule of Payment for Refrigerator Replacement 18 Cubic Foot Model

Annual kWh Consumption			Cinergy/PSI
Old Unit			
800	to	899	\$131
900	to	999	\$147
1000	to	1099	\$178
1100	to	1199	\$210
1200	to	1299	\$241
1300	to	1399	\$273
1400	to	1499	\$304
1500	to	1599	\$336
1600	to	1699	\$367
1700	to	1799	\$398
1800	to	1899	\$430
1900	to	1999	\$461
2000	to	2099	\$493
2100	to	2199	\$524

Cost per unit = \$519

kWh usage = 434

All units saving above this level will be paid for by Cinergy because cost of refrigerators will not exceed \$519

Schedule of Payment for Refrigerator Replacement 21 Cubic Foot Model

Annual kWh Consumption Old Unit			Cinergy/PSI
800	to	899	\$128
900	to	999	\$144
1000	to	1099	\$175
1100	to	1199	\$207
1200	to	1299	\$238
1300	to	1399	\$270
1400	to	1499	\$301
1500	to	1599	\$333
1600	to	1699	\$364
1700	to	1799	\$396
1800	to	1899	\$427
1900	to	1999	\$459
2000	to	2099	\$490
2100	to	2199	\$522
2200	to	2299	\$553

Cost per unit = \$547

kWh usage = 443

All units saving above this level will be paid for by Cinergy because cost of refrigerators will not exceed \$547.

BUILDING ENERGY MODEL

STANDARD - CONSUMPTION ANALYSIS

Historical Fuel Consumption Analysis

- Determine energy consumption for baseload needs by calculating the energy used within a time absent of space heating/cooling loads; typically May through September.
- Retrieve consumption records for all fuel used within the building for a specific period of the heating/cooling season.
- Determine energy consumption related to space heating by deducting the average baseload energy for that given period of time, from the total energy consumed within that time period.
- Convert fuels consumed for space heating to Btu.
- Normalize space heating fuel usage by dividing results by collective Heating Degree Days recorded within that time period.
- Divide the results by the square footage of intentionally heated floor space to acquire a building energy rating =

$$\frac{\text{Btu/Heating Degree Day}}{\text{Square foot}}$$

STANDARD - CONSUMPTION ANALYSIS

Princeton Scorekeeping Method (PRISM)

- The Princeton Scorekeeping Method is widely accepted as the standard for energy analysis software and is used by utility companies, government agencies, research institutions and weatherization operators. It compares meter readings from specific houses of historical weather data to produce a statistically accurate estimate of heating and/or cooling usage. PRISM calculates all the above listed details. INCAA can assist in your use of PRISM.