



NEAT Recommended Measures

Agency State Run On RunID
 Client ID Version AuditID
 Audit Name Audit Date
 Client Name Auditor
 Weather File Setup Library Name

Comment

Annual Energy and Cost Savings

Index	Recommended Measure	Components	Heating (MMBtu)	Heating (\$)	Cooling (kWh)	Cooling (\$)	BaseLoad (kWh)	BaseLoad (\$)	Total (MMBtu)
1	Infiltration Redctn		3.5	27	24	2	0	0	3.6
2	Wall Insulation	WALLE,WALLN,WALL S,WALLW	17.2	132	285	23	0	0	18.2
3	Refrigerator Rplcmnt		0.0	0	0	0	714	58	2.4
4	Low-E Windows	WINN2,WINE2,WINW2	10.9	84	199	16	0	0	11.6

Energy Saving Measure Economics

Index	Recommended Measure	Components	Measure Savings (\$/yr)	Measure Cost (\$)	Measure SIR	Cumulative Cost (\$)	Cumulative SIR
1	Infiltration Redctn		29	100	2.5	100	2.5
2	Wall Insulation	WALLE,WALLN,WALLS,WALLW	156	836	2.9	936	2.9
3	Refrigerator Rplcmnt		58	519	1.3	1455	2.3
4	Low-E Windows	WINN2,WINE2,WINW2	100	1518	1.0	2973	1.7

Materials

Index	Material	Type	Quantity	Units
1	Wall Insulation	Cellulose, Blown - 2x4 Filled	828	SqFt
2	Low E Window		6	Each
3	New Refrigerator		1	Each

Pre/Post Retrofit Energy and Loads

	<i>Pre Retrofit</i>		<i>Post Retrofit</i>	
	<i>Heating</i>	<i>Cooling</i>	<i>Heating</i>	<i>Cooling</i>
Annual load (MBtu/yr)	34.4	38.5	16.3	25.8
Annual Energy (MBtu/yr)	60.4	5.2	28.7	3.5
Heat loss/gain (kBtu/hr)	36.6	21.6	23.0	17.7
Output required (kBtu/hr)(ton)	42.1	1.9	26.4	1.5

Approximate Manual J Component Contributions to Peak HEATING Load

<i>Component Type</i>	<i>Component Name</i>	<i>Area or Volume (Inf)</i>	<i>Pre Retrofit Load (Btu/h)</i>	<i>Post Retrofit Load (BTU/h)</i>
Wall	WALLE	258	4687.8	1444.3
Wall	WALLN	138	2505.7	772.0
Wall	WALLS	156	2836.7	874.0
Wall	WALLW	276	5018.7	1546.2
Window	WINE1	12	928.6	928.6
Window	WINE2	32	2476.3	1779.5
Window	WINN1	12	928.6	928.6
Window	WINN2	32	2476.3	1779.5
Window	WINS1	12	928.6	928.6
Window	WINS2	32	2476.3	2476.3
Window	WINW1	12	928.6	928.6
Window	WINW2	32	2476.3	1779.5
Door	DOORE	18	560.9	560.9
Door	DOORN	18	560.9	560.9
Attic	ATT1	1000	1535.2	1535.2
Foundation	FOUND1	1000	1191.7	1191.7
Infiltration	Inf	8000	4094.5	2977.8
Total heat loss	Tot	0	36612.0	22992.4
Duct loss	Duct	0	5491.8	3448.9
Output required	Output	0	42103.8	26441.2

Approximate Manual J Component Contributions to Peak COOLING Load

<i>Component Type</i>	<i>Component Name</i>	<i>Area or Volume (Inf)</i>	<i>Pre Retrofit Load (Btu/h)</i>	<i>Post Retrofit Load (BTU/h)</i>
Wall	WALLE	258	1581.3	487.2
Wall	WALLN	138	845.2	260.4
Wall	WALLS	156	956.8	294.8
Wall	WALLW	276	1692.9	521.6
Window	WINE1	12	1058.4	1058.4
Window	WINE2	32	2822.4	2822.4
Window	WINN1	12	362.4	362.4
Window	WINN2	32	966.4	966.4

<i>Component Type</i>	<i>Component Name</i>	<i>Area or Volume (Inf)</i>	<i>Pre Retrofit Load (Btu/h)</i>	<i>Post Retrofit Load (BTU/h)</i>
Window	WINS1	12	566.4	566.4
Window	WINS2	32	1510.4	1510.4
Window	WINW1	12	1058.4	1058.4
Window	WINW2	32	2822.4	2822.4
Door	DOORE	18	189.2	189.2
Door	DOORN	18	189.2	189.2
Attic	ATT1	1000	981.9	981.9
Foundation	FOUND1	1000	0.0	0.0
Infiltration	Inf	8000	1797.1	1383.0
People	People	4	1000.0	1000.0
Appliances	Appl	1	1200.0	1200.0
Total Sensible	TotS	0	21600.8	17674.4
Ducts	Ducts	0	0.0	0.0
Total (with ducts)	TotW	0	21600.8	17674.4
Size (tons)	Size	0	1.8	1.5
Latent Load (inf)	LatentI	0	0.0	0.0
Latent Load (occ)	LatentO	0	920.0	920.0
Latent Load (tot)	LatentT	0	920.0	920.0
Total Load	Total	0	22520.8	18594.4
Size (tons)	Size	0	1.9	1.5

Special Notes

NOTE: Heat loss and Output required are only guides to sizing equipment.

NOTE: See NEAT User's Manual for further sizing details.

NOTE: Read cautions in NEAT User's Manual related to sizing results.

NOTE: (+) in the Materials list indicates there are more related User Defined Materials.

Retrofit Measures NOT Considered

Duct insulation
 Electric vent damper
 Electric vent damper IID
 Evaporative cooler
 Fill ceiling cavity
 Flame retention burner
 Foundation wall insulation
 Furnace tuneup
 IID
 Install/Replace heatpump
 Lighting retrofits
 Low flow showerheads
 Replace heating system
 Sillbox insulation
 Smart thermostat
 Storm windows
 Sun screen fabric
 Sun screen louvered
 Thermal vent damper
 Tuneup AC

Water heater pipe insulation
Water heater replacement
Water heater tank insulation
Window film
Window replacement
Window sealing
Window shading (awning)