

Summary of Installation of a 3.5-ton EarthLinked® System in a 2,600 sq. ft. Single-Family Home

Installation Year: 2002

Location: Rye, New Hampshire



EARTHLINKED
TECHNOLOGIES



Size: 2,600 sq. ft. living space

House Construction: Structural Insulated Panels

Insulation: Walls: R-26, Roof: R-34, Basement Ceiling: R-24, Basement Walls Above Grade: R-26, Basement Walls Below Grade: R-7

HVAC System: EarthLinked® geothermal heat pump, 3-1/2 ton, 4 vertical loops

Energy Star® Rating On Building: 90.5+

"We are running about 40% colder this winter than last and about 12% colder than the 30-year average. So, we are putting the EarthLinked® system to the test and it is passing with flying colors," says homeowner John Cavanagh.

Month	Degree Days	Billing Days
Feb '03	1387	29
Jan '03	1186	32
Dec	943	31
Nov	690	29
Oct	225	30
Sep	191	32
Aug	168	30
Jul	204	29
Jun	343	33
May	524	30
Apr	817	29
Mar	1012	31
Feb '02	1069	30
Average		

Lights & Power Bill	Lights & Power kwh	Lights & Power kwh/day
\$42.63	318	10
\$48.86	383	11
\$52.04	412	13
\$45.58	353	12
\$39.16	294	9
\$42.21	325	10
\$34.74	256	8
\$37.57	282	9
\$41.13	315	9
\$36.91	276	9
\$37.79	284	9
\$44.48	346	11
\$61.46	503	16
\$43.43	334	10

Heat/AC/Hot Water Bill	Heat/AC/Hot Water kwh	Heat/AC/Hot Water kwh/day
\$135.36	1749	60
\$121.88	1628	50
\$99.54	1319	42
\$74.36	971	33
\$34.02	413	13
\$34.45	425	13
\$34.39	424	14
\$39.31	493	17
\$46.23	590	17
\$61.06	798	26
\$85.17	1136	39
\$90.81	1215	39
\$79.88	1062	35
\$72.04	940	31