



MISSOURI DEPARTMENT OF NATURAL RESOURCES
ENERGY CENTER – ENERGY REVOLVING FUND
WALL OR CEILING INSULATION WORKSHEET

BUILDING	LOCATION	DATE
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CHECK THE TYPE OF INSULATION PROJECT UNDER CONSIDERATION

Attic Crawl Space Wall Roof Other _____

To estimate the savings of adding insulation to the ceiling or wall, the following information must be known:

The area to be insulated in square feet.

The old R-value.

The new total R-value.

The heating plant efficiency (in percent). (Check nameplate or with contractor).

The heating energy cost (\$/million Btu).

SAVINGS CALCULATIONS

1. Enter the old R-value..... _____
2. Enter the new total R-value _____
3. Subtract line 1 from line 2..... _____
4. Multiply line 1 by line 2 _____
5. Divide line 3 by line 4 _____
6. Enter the area to be insulated (square feet) _____
7. Multiply line 5 by line 6 _____
8. Enter the heating plant efficiency (percent divided by 100) _____
9. Divide line 7 by line 8 _____
10. Divide line 9 by 10.0 _____
11. Enter the energy cost (\$/million Btu) _____

ANNUAL SAVINGS

12. Multiply line 10 by line 11 \$_____/year

PROJECT COST

13. Enter the total cost to insulate the area including material, labor and design..... \$____

SIMPLE PAYBACK

14. Divide line 13 by line 12 _____ years

DESCRIPTION PAGE

Wall or Ceiling Insulation Energy – Conservation Measure

Describe the existing system and the proposed energy-conservation measure (use additional sheets if necessary):