

YEARLY - 2013

3 BTU PER WATT

140,000 BTU PER GALLON OF OIL GROSS

112,000 BTU PER GALLON OF OIL NET 80% EFFICIENCY

78,400,000 TOTAL NET BTU PER YR PROVIDED BY OIL HEAT

700 GALLONS YR

\$ 4.00 PER GALLON

\$ 2,800 YR OIL COST

10.5 HEAT PUMP BTU PER WATT 3.5 COP

7,466,666.67 WATTS REQ PER YR

7,466.67 KW REQ PER YR

\$ 0.15 COST PER KW

\$ 1,120 YR ELEC COST

40% % SAVINGS

\$ 1,680 YR COST SAVINGS

66% YR CARBON REDUCTION

\$ 20,000 SYSTEM COST - MATERIAL AND MINIMAL LABOR

11.90 YR PAYBACK

23.81 YR PAYBACK FOR FULLY GC'D SYSTEM

Not cutting the mustard, lets enter the realm of life cycle costing

Borrowing Money \$40,000 for full system inc all inside distribution

\$ 200.00 Mo Cost (no inc fixed costs getting 30 yr mort to cover this - probably redoing your current mort)

\$ 2,400 Yrly Cost Fixed

\$200 Initial yrly savings

\$ 1,520 Yrly savings at 10 yrs

\$ 15,200 Apprx 15 yr svgs when parts rep kicks in

\$ 10,000 Likely lost opp cost invest \$20,000 for 15 yrs

\$ 5,200 Net Return above typ invest income

52% Net Return above typ invest income

So, as an investment, it's a FANTASTIC idea

Will that make you feel warm and fuzzy when in

yr 1, you pay \$4,000 for combined elec and mort

instead of the \$2,900 you'd have paid for oil?

Why is everything so hard!!!!!!!