



Job Estimate

Visa, Master Card and PayPal
Accepted

Northeast Solar LLC

Bringing Your Home/Business Into The Future

DATE: JUNE 28, 2009

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Note: This is not an Invoice

TO

AET Solar Systems
Made in The USA
30,000+ installations
30+ years experience

JOB	PAYMENT TERMS	DUE DATE
Home DHW and limited winter space heating	Estimate Only	N/A

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
2	4X8 AET solar collectors mounted minimal 50 degrees Please measure roof to be sure roof area supports this size collector. Other collector sizes are available Design life 30 years and panel warranty 10 years	\$825.00	\$1,650
1	One 120 gallon non HE tank drain back system with 10 or 15 gallon HE reservoir tank. Includes two pumps and differential controller with sensor and LED read out. Recommend a minimum of 1.2 gallons of hot water storage/SF of collector area	\$1,995.75	\$1,995.75

<p>Two Panel Three Person Load Solar Hot Water System ROI after tax credits 8.5 years</p>	<p>Estimated savings with a family of three with a four panel system @ \$ 2.49/gallon oil (140,00BTU'S/gallon @80% efficiency) Four solar panel output/year \$470.28 in equivalent oil dollars @ \$2.49/gallon @ 80% efficiency. Solar panel data output/month is from SRCC US Government regulated testing and Insolation US climate data rates for Providence, RI latitude. Oil consumption six months May-October months 150 gallons for hot water= \$373.50/6 = \$62.25/month minimal/year Output/month of four solar panels May-October in oil dollars from the above climate data and SRCC testing.</p> <table border="0"> <tr> <td>Solar /month</td> <td>Gas/month, (uncertain price)</td> </tr> <tr> <td>April \$41.79</td> <td>\$62.25</td> </tr> <tr> <td>May \$52.83</td> <td>\$62.25</td> </tr> <tr> <td>June \$62.90</td> <td>\$62.25</td> </tr> <tr> <td>July \$64.19</td> <td>\$62.25</td> </tr> <tr> <td>August \$53.93</td> <td>\$62.25</td> </tr> <tr> <td>September \$40.17</td> <td>\$62.25</td> </tr> <tr> <td>October \$37.5</td> <td>\$62.25</td> </tr> </table>	Solar /month	Gas/month, (uncertain price)	April \$41.79	\$62.25	May \$52.83	\$62.25	June \$62.90	\$62.25	July \$64.19	\$62.25	August \$53.93	\$62.25	September \$40.17	\$62.25	October \$37.5	\$62.25		
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	<p>Conclusion there will be very little heat not used from four solar panels during the warm six months of the year in RI. <u>Therefore it is safe to conclude the home owner will save \$470.28 dollars a year in Natural Gas (\$2.50/gallon) from a four panel system. The immediate return on your investment after tax credits is 8.5 years.</u> There is no doubt in any ones mind oil will return to close to \$5.00/gallon driving Natural Gas prices upward also in the immediate future. Solar Hot Water is a 30 year investment that should be made now while solar panels are available. When oil was at close to \$5.00/gallon solar panel manufactures and qualified installers were back ordered minimal three months.</p>																		
4	<p>Plumbing Labor minimum of three days and a maximum of five @ \$1,000.00/day for two men (lead person and helper) This price includes building permit.</p>	\$1,000.00	\$4,000.00																
1	<p>Roofer ½ day</p>	\$400.00	\$400.00																
1	<p>Electrician ½ day</p>	\$400.00	\$400.00																
2	<p>Shipping and crating fee for four collectors. All shipping and crating fees will be presented to the owner for verification. If the amount is less a credit will be issued.</p>	\$150.00	\$300.00																
1	<p>Additional plumbing materials to include ¾" rigid L copper tubing from the boiler room to the roof with the required slope, insulation and fittings to go on collectors.</p>	\$1,400.00	\$1,900.00																
2	<p>Mounting hardware to achieve 50 degree angle of inclination</p>	\$75.00	\$150.00																
	<p>Estimated savings 70 to 80% on DHW. Space heating device and additional storage tank not included Recommend a fifth collector with a drain back system because of high limit shut down. The above qualifies for 25% state and 30% federal tax credits. Please consult your accountant before starting this project Price after tax credits Subtract and additional \$1,500.00 for a National Grid rebate. \$ 3,956.50 Additional Tank Prices: One 120 Gallon non HE tank Top Side Connect separate price \$831.25 One 80 Gallon non HE tank " " separate price \$678.00 Shipping and handling not included in these prices</p>																		

Note: RI requires 125SF of collector area to exceed \$7,000 cap up to \$15,000.00

SUBTOTAL

10,295.00
Before tax
credits and
National Grid
rebates

SALES TAX

none

Data : Natural Gas FHWBB Heat and DHW system three person DHW load

TOTAL

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