

## Kraus-Fabel ZNE Renovation, Amherst, MA

### Project Costs

Cost of Renovation:				
Item	Cost	Rebates	Tax Credit (Fed)	Tax Credit (MA)
PV	\$ 48,601.00	\$ (10,500.00)	\$ (14,580.30)	\$ (1,000.00)
SDHW changes	\$ 3,818.40			
Electric assoc w/PV & SDHW	\$750.00			
Heat pumps	\$ 6,619.00	\$ (1,000.00)		
HRV	\$ 3,125.00			
Sale of old boiler	\$ (2,300.00)			
Misc carpentry	\$ 545.00			
Gas disconnect	\$ 45.00			
New refrigerator	\$ 736.40			
Air sealing	\$ 135.00			
Weatherstripping (by owner)	\$ 13.70			
<b>Total Cost</b>	<b>\$ 62,088.50</b>			
Totals: Rebates & Tax Credits		\$ (11,500.00)	\$ (14,580.30)	\$ (1,000.00)
<b>Net Total Cost</b>	<b>\$ 35,008.20</b>			

Payback for Renovation:			
	kwh or gal	cost per unit	savings / year
Electricity Savings	3748	\$ 0.17	\$ 618.42
Propane Savings	334	\$ 2.70	\$ 901.80
SRECs			\$ 2,357.76
Total Revenues			\$ 3,877.98
<b>Years Payback</b>			<b>9.0</b>