Energy Usage Index -- EUI -- Calculator

09/29/15

Project name

Insert data only in yellow cells

Provide minimum 12 months, preferably 24

Building conditioned sq.ft. 4273 *from drawing set 9/25/13

	Electricity	Natural Gas	Propane	Oil	Other Fuel
Total units/year	15,908	-	335	-	-
MMBtu/unit	0.003413	0.100	0.091	0.138	22
MMBtu/yr	54	0	23	0	0

Total		Electric only
77	MMBtu/yr	54
18	**kBtu/sq.ft.-yr**	13

note: not normalized for heating degree d

	Electricity	Natural Gas	Propane	Oil	Other Fuel
Number of months*	12	12	16	12	12

*this is number of months of usage covered by the fuel use

fuel type: wood e.g., wood pellets, wood chips, cordwood, coal, etc., solar electri

units: cord e.g., tons, cords

Meter read date	meter read	Actual "banked usage"	PSNH kWh chrg	solar production 9.75	net kWh/month	Meter read date	ccf or therm	delivery date	Propane ga	delivery date	gallons	delivery date	No. of units
07/16/14	9833			1286				11/17/14					
08/15/14	9328		0	1256									
09/16/14	9294		0	1070									
10/16/14	9204	796	0	629	-90								
11/14/14	9879	121	0	322	675								
12/16/14	1311	0	1311	172	1311								
01/15/15	3123	0	906	235	1812								
02/13/15	5736	0	2613	333	2613			02/01/15	239.3				
03/16/15	8229	0	2493	926	2493								
04/15/15	8124	105	0	1088	-105								
05/15/15	7848	381	0	1371	-276			05/21/15	207.9				
06/16/15	6890	1339	0	1203	-958								
07/17/15	6431	1798	0	1299	-459								
08/17/15	5869	2360	0	1277	-562								
09/16/15	5378	2851	0	1090	-491								

banked to date	total consumed from	total solar produced	net consumed
2851	7323	9945	5963

FUEL COST TABLE

Fuel (Abrrev.)	Unit	$/Unit	MMBtu/ Unit	$/MMBtu
Electricity	kWh	$0.15	0.003413	$43.99
Kerosene	Gal	$3.50	0.137	$25.62
Natural Gas	ccf	$2.00	0.100	$20.00
Oil	Gal	$3.00	0.138	$21.43
Propane	Gal	$3.00	0.091	$32.09
Wood**	Cord	$220	22	$10.89
pellets	ton	$229	16	$14.31
wood chips*	ton	$61	9.0	$6.72

* green wood chips

** dry hardwood