

AMHERST COLLEGE

Energy Savings Tracking Spreadsheet

Version 4.1 - June 2007

PROJECTS IMPLEMENTED SINCE SEPTEMBER 2004

No.	Description	Est. Annual Energy Savings	Net Project Cost	Simple Payback	GHG Reduction eCO ₂ (tons/yr)
FY 04/05					
1	Lighting Retrofits (Barrett, Pond & Davis, Stone, Merrill Science, Seeley-Mudd, Converse)	\$ 3,443	\$ 13,418	3.9	33
2	Alumni Gym Daylighting Controls	\$ 3,300	\$ 395	0.1	29
3	Coolidge Cage Daylighting Controls	\$ 8,200	\$ 395	0.0	72
4	Orr Rink Low-e Ceiling, Bi-level Lighting, Ice Temperature Controls	\$ 37,105	\$ 71,518	1.9	1,309
5	Moore Dormitory, Replace Incandescent Lights	\$ 5,800	\$ 395	0.1	52
IMPLEMENTED FY04/05 SUBTOTALS		\$ 57,848	\$ 86,121	1.5	1,495
FY 05/06					
1	Vending Miser installation Phase 1	\$ 5,695	\$ 7,426	1.3	51
2	Music Building Comprehensive Lighting Retrofit	\$ 18,462	\$ 48,250	2.6	165
3	Seeley Mudd Lighting Retrofit	\$ 1,658	\$ 11,874	7.2	15
IMPLEMENTED FY05/06 SUBTOTALS		\$ 25,815	\$ 67,550	2.6	231
FY 06/07					
1	Athletics Lighting Retrofit	\$ 33,149	\$ 89,900	2.7	180
2	Keefe Occupancy Sensors	\$ 1,179	\$ 8,029	6.8	7
3	Athletics Occupancy Sensors	\$ 10,895	\$ 30,777	2.8	69
4	Valentine Kitchen Hood Controls	\$ 36,284	\$ 82,558	2.3	206
IMPLEMENTED FY06/07 SUBTOTALS		\$ 81,507	\$ 211,264	2.6	461
ONGOING ANNUAL EFFORTS					
1	Replace incandescents w/ compact fluorescents	\$ 34,300	\$ 3,000	32 DAYS	208
2	Million Monitor Drive, Students	\$ 13,129	\$ 300	8 DAYS	117
2A	Green Power REC Purchase		\$ 1,072		213
3	Million Monitor Drive, Fac/Staff	\$ 12,423	\$ 100	3 DAYS	111
4	Heating Policy	\$ 54,754	\$ 1,600	11 DAYS	392
5	Temperature setback during winter break	\$ 13,330	\$ 800	22 DAYS	150
6	"Big Turnoff" campaign	\$ 13,562	\$ 400	11 DAYS	82
SUBTOTAL OF ONGOING ANNUAL EFFORTS		141,498	\$ 7,272	0.1	1,275
AMHERST COLLEGE					
		\$ 306,667	\$ 372,207	1.2	3,462 tons

equivalent to 769 cars for a year . . .
or 474 acres of forest . . .

and don't forget 47 lb radioactive waste!