

## BROOKHAVEN NATIONAL LABORATORY FY06 Funded Pollution Prevention Projects

Rank	Project Name	Directorate, Dept/Div and POC	Cost	Savings	Payback (Years)	Waste Reduction
1	Aerosol Can Disposal System	Light Source, NSLS (John Aloii)	\$850	\$1,018.00	0.83	50 pounds of hazardous waste
2	Replacement of Mercury Thermometers	Basic Energy Sciences, Condensed Matter Physics & Material Science (Robert Sabatini)	\$250	\$2,350.00	0.11	mercury
3	HPLC Solvent Recycler	Life Sciences, Medical Department (Andrew Gifford)	\$2,675	\$6,755.00	0.40	50 liters Haz waste; 100 man hours
4	Propane Cylinder Devalver	High Energy Nuclear Physics, CAD (M. Van Essendelft)	\$953	\$4,000.00	0.24	20 cylinders (haz waste)
5	Fluorescently Labeled Oligonucleotides *	Life Sciences, Biology (Betsy Sutherland)	\$14,000	\$43,370.00	0.32	72 ft <sup>3</sup> solid rad waste; 35 gal of mixed waste; 108 gal of haz waste; 324 ft <sup>3</sup> of rad DIS waste
6	Electronic Recycling	Procurement & Property Management (John Collins)	\$3,500	TBD	N/A	10 tons of e-waste
7	Oil Free Pumps	Basic Energy Sciences, Condensed Matter Physics & Material Science (Robert Sabatini)	\$6,000	\$830.00	7.23	6 liters of industrial waste
8	Disposal of #6 Fuel Oil *	EENS (Yousif Celebi)	\$500	\$4,014.00	0.12	675 gallons of #6 fuel oil plus energy recovery
9	Halogen 1211 Fire Extinguisher Substitution *	Facilities & Operations, Emergency Services (J. Searing)	\$6,200	\$4,000.00	1.6	Reduction of Halogenated Ozone Depleting Substances
10	Electronic Barometer *	Energy, Environment & National Security, Energy Sciences & Technology Department (Victor Cassella)	\$1,800	\$2,350.00	0.77	Mercury Reduction
11	Animal Bedding Facility Dumpster *	Life Sciences, Medical (Ann Emrick)	\$2,000	\$5,500.00	0.36	250 ft <sup>3</sup> of LLRW
<b>TOTAL INVESTED</b>			<b>\$37,178</b>			
<b>TOTAL SAVINGS</b>				<b>\$74,187</b>		
<b>AVERAGE PAYBACK PERIOD</b>					<b>0.5</b>	

\* indicates partial funding of the project