

Facilities Energy Efficiency Projects

1/31/2013

Energy Conservation Projects (Projects approved mainly for energy efficiency/return on investment)

Project	Date Completed	Annual Savings	Time Since Started (Months)	One Time Savings - Rebate	Total Savings (to date)	Cost to Institute
Gallery/Exhibition/Hallway LED Lighting Project - Phase 1	9/15/2012	\$30,171	4	\$20,214	\$10,057	\$32,676
Exterior Light - Relamping globes to CFL, Reducing redundant lights trash enclosure, Carp. Shop, 2543	6/1/2012	\$399	7		\$233	\$0
Main Building Restroom Vestibule Lights - Relamping to CFL	6/1/2012	\$482	7		\$281	\$0
Designworks - Convert to T8 - 28W	3/3/2012	\$99	10		\$83	\$0
Install Light Switches - 4th Flr Room 445 & 409,411, 411A	1/1/2012	\$2,645	12		\$2,645	\$1,943
Main Studio 350, 4th Flr Stairwell & 3D shop - Replace lights to Cermanic Metal Halides	7/1/2011	\$1,670	18	\$1,654	\$2,505	\$3,825
Main South Entrance - Convert to CFL	12/20/2010	\$724	25		\$1,508	\$0
Main West Exterior Uplights - Remove/Turn Off	12/20/2010	\$263	25		\$548	\$0
Main SW Stairwell & Custodial Office Lighting - Install Motion Sensor	12/15/2010	\$163	25		\$340	\$212
Morrison Business Office - Convert to T8-28W	8/19/2010	\$59	29		\$143	\$76
Main 300 - Replace Lilghts to Cermanic Metal Halides	8/18/2010	\$470	29	\$810	\$1,136	\$2,125
Main 211, 311-313, 339 Corridor - Convert to CFL	8/3/2010	\$1,492	29		\$3,606	\$279
LA Wing Hallway - Convert to CFL	8/2/2010	\$1,029	29		\$2,487	\$208
Main 222B - Convert Lights to CFL	5/10/2010	\$46	32		\$123	\$72
Main - North & South Elevator Hallways - Convert to CFL	5/10/2010	\$678	32		\$1,808	\$127
Morrison M115 (Admissions) Convert to CFL	3/10/2010	\$282	34		\$798	\$359
Main 250 (Cafeteria) Convert to CFL	3/10/2010	\$238	34		\$676	\$50
Main 142 Hall Convert to CFL	2/22/2010	\$215	35		\$627	\$85
Morrison 2nd floor Convert to T8-25W	1/14/2010	\$127	36		\$381	\$200
Cafeteria Recirc. Pump Shut Off	10/15/2009	\$126	39		\$410	\$0
Main Printmaking - Lamp Conversion - 32-watt to 25-watt	7/17/2009	\$1,012	42		\$3,542	\$3,700
3D Shop Lamp Conversion - 32W to 28W	7/13/2009	\$3,000	42		\$10,500	\$0
LA Wing Breezeway - Convert to CFL	6/12/2009	\$108	43		\$387	\$60
Main 203 Air-cool Liquid Chiller Shut Off	4/26/2009	\$2,609	45		\$9,784	\$0
Main Printmaking Light Switches	4/16/2009	\$2,213	45		\$8,299	\$3,700
Academic Building - Restroom Occupancy Sensors	4/16/2009	\$1,325	45		\$4,969	\$1,940
Kitchen Stairwell Light Occupancy Sensor	3/10/2009	\$386	46		\$1,480	\$193
Main Building - VFD Rebate	2/26/2009	\$0	47	\$1,725	\$0	\$0
Gallery Light Switches	12/15/2008	\$3,906	49		\$15,950	\$4,000
2008 Main Building Recommission - Equipment Rebate	3/3/2008	\$0	58	\$9,450	\$0	\$0
Apartment Building Light/CFL Conversion	7/1/2007	\$8,064	66		\$44,352	\$6,000
2008 Main Building Recommission	6/7/2007	\$32,698	67		\$182,564	\$19,870
3D Shop Spray Booth - Add Controls	8/31/2006	\$4,239	77		\$27,200	\$1,690
Main 300 & 350 Studio Light Switches	8/31/2006	\$1,071	77		\$6,872	\$11,690
Main 3D & West Annex Light Switches	6/17/2005	\$5,595	91		\$42,429	\$5,520
Main 115 West Annex Light Switches	6/13/2005	\$2,378	91		\$18,033	\$1,263
Main 142 Studio Light Switches	5/10/2005	\$1,832	92		\$14,045	\$1,790
Main 2nd Floor Studio Light Switches	1/5/2005	\$1,864	96		\$14,912	\$1,895
Summer Steam Shutdown	6/15/2005	\$4,964	91		\$37,644	\$0
Main Building - Peak Controlled Service	1/5/2005	\$2,067	96		\$16,536	\$0
Sub - Total		\$120,709		\$33,853	\$479,832	\$105,548

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Other Energy Efficiency Projects (Projects approved for reasons other than energy efficiency upgrades but energy savings were realized)

Project	Date Completed	Annual Savings	Time Since Started (Months)	One Time Savings - Rebate	Total Savings (to date)	Cost to Institute
3D Shop Air Compressor - Frequency Drive	11/20/2012	\$1,200	2	\$4,500	\$200	
Morrison - Exterior Front Entry - LED Light Conversion	3/13/2012	\$97	10	\$0	\$81	
T12 Light Conversion to T8's	1/1/2012	\$5,593	12	\$12,370	\$5,593	\$36,658
Morrison Auditorium Roof Replacement - Insulation	7/1/2011	\$800	18		\$1,200	\$46,748
2550 Roof Replacement - Increased Insulation	7/1/2011	\$1,177	18		\$1,766	\$64,287
2517 Roof Replacement - Increased Insulation	8/15/2010	\$1,092	29		\$2,639	\$49,863
Chiller and Delta P Valve Replacement - Increased Efficiency	8/1/2010	\$14,429	29	\$12,058	\$34,870	\$489,060
2523 Roof Replacement - Increased Insulation	4/1/2010	\$1,092	33		\$3,003	\$49,863
206-210 Boiler Replacement - Increased Efficiency	12/7/2009	\$711	37	\$559	\$2,192	\$8,882
LA Wing Boiler Replacement - Increased Efficiency	10/7/2009	\$2,210	39	\$559	\$7,183	\$8,187
200-204 Boiler Replacement - Increased Efficiency	9/28/2009	\$1,268	40	\$559	\$4,227	\$8,437
2507 Boiler Replacement - Increased Efficiency	8/11/2009	\$1,743	41	\$559	\$5,955	\$11,737
209 (2507) Electrical Upgrade - Switch to Commercial Rate	9/1/2008	\$5,700	52		\$24,700	\$0
3D Shop HVAC Upgrade	8/1/2007	\$21,994	65		\$119,134	\$217,030
3D Shop Spray Booth - Convert Lights	8/31/2006	\$802	77		\$5,146	\$4,220
Sub - Total		\$59,908		\$31,163	\$217,688	\$994,972